Official Gazette

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

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July 4, 1944

Trade-Marks	72	No. 407,874 to No.	407,945, inclusive.
T. M. Renewals	75		
Reissues	5	No. 22,509 to No.	22,513, inclusive.
Plant Patents	1	No. 633	
Patents	528	No. 2,352,592 to No.	2,353,119, inclusive.
Designs	42	No. 138,177 to No.	138,218, inclusive.
Total	723		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,282,153, B. P. Baker and A. H. Bakken, Circuit interrupter, decided April 10, 1944, claims 12 and 14.

Pat. 2,298,480, H. C. Harvey, Protective closure, decided April 13, 1944, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 14.

Adjudicated Patent

(D. C. N. Y.) Swanson patent, No. 2,185,359, for a coin purse, claims 4, 5, and 6 *Held* invalid. *Swanson Mfg. Co. v. Feinberg-Henry Mfg. Co.*, 54 F. Supp. 805, amended 54 F. Supp. 816.

Disclaimer

1,737,908.—*Raymond E. Beegle*, East St. Louis, Ill. Timber Anchor. Patent dated December 3, 1929. Disclaimer filed June 3, 1944, by the patentee.

Hereby disclaims from the scope of each and every claim of said patent all metal strip anchors not adapted to have the entire strip length thereof driven edgewise into the sound end wood of railway cross ties to a depth equal to the strip width and not adapted to be thus driven without crushing the fibres of said wood;

And disclaims from the scope of each and every claim any and all devices of whatsoever nature except such as are intended, in use, to prevent or retard the splitting of the end section of railway cross ties;

And further disclaims from the scope of claims 2 and 4 any structure formed from a strip of metal not having substantially uniform cross sectional thickness throughout its length.

Briefs in Appealed Cases

All briefs filed in this Office should have conspicuously printed thereon a statement designating the particular tribunal of the Patent Office to which the brief is addressed.

Amendments to Amendments

Rule 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

Suggestion for the Use of Coupons

The execution of orders for printed copies of U. S. patents, trade-marks, etc., will be considerably expedited if coupons are used. Such coupons may be purchased at the Patent Office in lots of 20 at $2.00 and 100 at $10.00.

Coupon orders do not have to be accompanied by letters of transmittal. They require nothing but the filling in of the patent number, the name of the inventor, the date of issue, and the name and address of the party desiring the service.

Condition of Applications Under Examination at Close of Business June 17, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,247; Trade-Mark Division, 1,619. Oldest new case, June 30, 1943; oldest amended, Aug. 4, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders: Baths, Closets, Sinks, and Spittons; Sewerage.	†Jan. 27	Dec. 10	425
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Nov. 30	Dec. 4	599
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Nov. 13	Oct. 26	950
4. BISHOP, WALTER C., Conveyors; Hoists; Handing Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Dec. 28	Oct. 11	495
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Oct. 1	Oct. 2	1,163
6. GENIESSE, E. W., Carbon Chemistry (part)	Oct. 20	†Jan. 1	1,121
7. JARBOE, C. G., Optics, Photography	†Feb. 5	†Feb. 10	756
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Feb. 1	Nov. 10	491
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	†Jan. 11	Dec. 27	699
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 21	†Feb. 2	268
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Sept. 25	Sept. 15	1,072
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	†Jan. 10	†Jan. 10	582
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	†Feb. 12	†Jan. 31	640
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	†Jan. 10	†Jan. 20	738
16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 5	†Jan. 10	588
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 7	Oct. 4	500
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Aug. 9	Aug. 5	852
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Dec. 15	Dec. 6	532
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Feb. 2	Dec. 15	360
21. THOMPSON, T. J., Textiles	Dec. 31	Nov. 30	447
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Oct. 29	Oct. 29	1,060
23. BARROWS, B., Cash Registers; Calculators (part)	Oct. 20	Aug. 4	171
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Jan. 18	†Jan. 11	523
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Nov. 24	Dec. 2	731
26. YOUNG, R. R., Electricity—Generation and Motive Power	Sept. 29	Oct. 1	918
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 22	Sept. 24	481
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Sept. 16	Oct. 5	747
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	†Jan. 3	†Jan. 7	706
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidestats; Heating Systems; Ammunition and Explosive Devices.	Sept. 23	Sept. 29	1,045
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Dec. 31	†Jan. 7	1,042
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells, Earth Boring.	Nov. 30	Dec. 4	649
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Feb. 7	†Feb. 19	642
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	†Jan. 7	†Jan. 7	589
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	†Feb. 21	†Feb. 17	490
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	†Feb. 1	†Jan. 14	435
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 4	Oct. 23	754
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Oct. 14	Oct. 19	511
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Dec. 23	Dec. 30	695
40. DRUMMOND, E. J., Receptacles (part); Packages	†Jan. 29	†Jan. 27	602
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 6	Sept. 21	415
42. MARANS, H., Electric Signaling	†Feb. 5	†Feb. 14	316
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Nov. 24	Dec. 2	738
44. HARVEY, L. P., Refrigeration; Preserving	Oct. 6	Oct. 13	429
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Dec. 6	Nov. 29	1,038
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 2	Nov. 2	484
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	†Jan. 27	Dec. 9	605
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Nov. 25	Nov. 27	794
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Dec. 13	Dec. 10	660
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Dec. 8	Dec. 8	1,383
51. CROCKER, A. W., Radiant Energy; Multiplex Telephony, Modulators	Nov. 2	Nov. 4	1,389
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Nov. 29	Dec. 3	820
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	†Feb. 18	Nov. 18	438
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	June 30	Aug. 11	824
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 5	Oct. 4	637
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Nov. 25	Nov. 25	758
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	July 22	Oct. 12	778
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 8	Dec. 6	673
59. SHEPARD, P. W., Chemistry: Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Nov. 4	Oct. 25	1,383
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 1	Oct. 11	858
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	†Jan. 15	Dec. 20	466
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Jan. 29	Dec. 7	890
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Oct. 15	Oct. 6	955
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Feb. 2	†Jan. 25	1,008
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 1	Aug. 27	875
TRADE-MARKS: RICHMOND, F. A.	†Apr. 3	†May 3	1,619
DESIGNS: KALUPY, H. H.	†May 3	†May 24	560

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott, Donald B., Mamaroneck, N. Y. Row boats, sail boats, and motor boats. Serial No. 467,640; July 4. Class 19.

American Brake Shoe Company, New York, N. Y. Vehicle wheels and truck caster wheels. Serial No. 468,690; July 4. Class 19.

American Products Company, Inc., The, Kansas City, Kans. Liquid waterproofing and preservative composition. Serial No. 469,102; July 4. Class 16.

Anderson & Brown Company, Cleveland, Ohio, now by change of name Magnetic Holding Devices, Inc. Magnetic chucks, demagnetizing units and electrical controls therefor. Serial No. 463,162; July 4. Class 21.

Anglo-French Laboratories, Inc., New York, N. Y. Pharmaceutical preparation. Serial No. 469,714; July 4. Class 6.

Atlas Supply Company, Newark, N. J. Water bags. Serial No. 469,745; July 4. Class 2.

B-Z-B Honey Company. (See Schumacher, H. H.)

Bassan, Sol L., doing business as Harriet Hill, Chicago, Ill. Cologne. Serial No. 469,715; July 4. Class 6.

Beem & Company. (See Selling, James W.)

Bokum Tool Company, Inc., Detroit, Mich. Boring bars. Serial No. 464,743; July 4. Class 23.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Cue balls. Serial No. 463,564; July 4. Class 22.

Cacioppo, Joseph M., doing business as J. M. C. Cigar Co., Brooklyn, N. Y. Cigars. Serial No. 469,115; July 4. Class 17.

Cargill, Incorporated, Minneapolis, Minn. Livestock and poultry feeds. Serial No. 456,582; July 4. Class 46.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 466,525; July 4. Class 42.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods of cotton, rayon, etc. Serial No. 468,780; July 4. Class 42.

Commercial Compinex Company, New York, N. Y. Canned sardines. Serial No. 470,068; July 4. Class 46.

Commercial Flour Mills. (See International Milling Company.)

Crest Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 467,592; July 4. Class 42.

Darby, Harry, Kansas City, Kans. Amphibian landing shields. Serial No. 468,709; July 4. Class 9.

Day Chemical Co., Newark, N. J. Rectal ointment. Serial No. 469,494; July 4. Class 6.

Deance Machine Works, Inc., Toledo, Ohio. Plastics processing machines and parts of such machines. Serial No. 468,665; July 4. Class 23.

De Pree Company, The, Holland, Mich. Product in paste form for use in the extermination of rats and roaches. Serial No. 468,377; July 4. Class 6.

Dow Chemical Company, The, Midland, Mich. Artificial fibers of synthetic resinous material. Serial No. 469,192; July 4. Class 1.

Federal Telephone and Radio Corporation. (See International Telephone and Radio Manufacturing Corporation.)

Gates Rubber Company, The, Denver, Colo. Garden hose. Serial Nos. 469,195–6; July 4. Class 35.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. Serial No. 469,395; July 4. Class 6.

Goldware, Ben, Omaha, Nebr. Admixture of rubber and comminuted particles of cork. Serial No. 469,596; July 4. Class 50.

Gormey Manufacturing Co., Chicago, Ill. Toy furniture. Serial No. 469,597; July 4. Class 22.

Grant Photo Products, Inc., New York, N. Y. Photographic sensitized paper. Serial No. 468,839; July 4. Class 26.

Gum Incorporated, Philadelphia, Pa. Chewing gum. Serial No. 460,647; July 4. Class 46.

Hawkins-Hawkins Co., Oakland, Calif. Welding rings. Serial No. 466,837; July 4. Class 13.

Hill, Harriet. (See Bassan, Sol L.)

International Milling Company, doing business as Commercial Flour Mills, Wilmington, Del. Wheat flour. Serial No. 468,753; July 4. Class 46.

International Telephone and Radio Corporation, New York, N. Y., now by change of name to Federal Telephone and Radio Corporation. Electrical insulating materials. Serial No. 451,176; July 4. Class 21.

J. M. C. Cigar Co. (See Cacioppo, Joseph M.)

John-Frederics, New York, N. Y. Cold creams, lipsticks, rouges, etc. Serial No. 466,734; July 4. Class 6.

Johns-Manville Corporation, New York, N. Y. Asbestos-cement shingles and siding. Serial No. 468,116; July 4. Class 12.

Kellogg, Spencer, and Sons, Inc., Buffalo, N. Y. Vegetable drying oil. Serial No. 469,050; July 4. Class 16.

King Leathers Incorporated, Indiana, Pa. Purses, wallets, and pocket books. Serial No. 469,502; July 4. Class 3.

Kremer Plantations. (See Kremer, Victor.)

Kremer, Victor, doing business as Kremer Plantations, Cardiff-by-the-Sea, California. Carbonated water. Serial No. 469,203; July 4. Class 45.

Lightfoot Schultz Co., New York, N. Y. Toilet soaps. Serial No. 465,758; July 4. Class 4.

Magnetic Holding Devices, Inc. (See Anderson & Brown Company.)

Maltine Company, The, New York, N. Y. Medicinal compounds. Serial No. 466,860; July 4. Class 6.

Meat Industry Suppliers, Inc., Chicago, Ill. Spices. Serial No. 462,775; July 4. Class 4.

Montgomery, Wm., Company, Philadelphia, Pa. Packaged breakfast cereals, salt, pepper, etc. Serial No. 439,311; July 4. Class 46.

Morse, George H., Arlington, Va. Slide rule. Serial No. 468,805; July 4. Class 26.

National Gypsum Company, Buffalo, N. Y. Plaster. Serial No. 468,149; July 4. Class 12.

New Holland Machine Company, New Holland, Pa. Farm machinery. Serial No. 468,806; July 4. Class 23.

Norwich Pharmacal Company, The, Norwich, N. Y. Vitamin-mineral preparation. Serial No. 468,965; July 4. Class 6.

Nyal Company, Detroit, Mich. Cough syrup, laxative, soothing lotion, etc. Serial No. 468,719; July 4. Class 6.

Odell Company, Inc., Newark, N. J. Hair tonic and dandruff treatment. Serial No. 469,644; July 4. Class 6.

Plunkett Chemical Cmpany. (See Plunkett, W. H.)

Plunkett Trust. (See Plunkett, W. H., assignor.)

Plunkett, W. H., doing business as Plunkett Chemical Company, assignor to Plunkett Trust, Chicago, Ill. Insecticide. Serial No. 450,694; July 4. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. Serial No. 469,577; July 4. Class 4.

Quaker Oats Company, The, Chicago, Ill. Wheat and soy spaghetti product. Serial No. 467,948; July 4. Class 46.

Red Lion Cabinet Company, Red Lion, Pa. Building boards, acoustical insulation and acoustical boards, etc. Serial No. 467,701; July 4. Class 12.

Rich, Ivor, New York, N. Y. Cream cologne. Serial No. 459,346; July 4. Class 6.

Rockwell-Barnes Company, Chicago, Ill. Filing cabinets. Serial No. 469,969; July 4. Class 32.

Schumacher, H. H., doing business as B-Z-B Honey Company, Alhambra-Los Angeles, Calif. Honey. Serial No. 464,402; July 4. Class 46.

Selling, James W., doing business as Beem & Company, Stockton, Calif. Hair tonic. Serial No. 455,806; July 4. Class 6.

Silver Seal Products of Oklahoma, Inc., Barnsdall, Okla. Sodium hypochlorite solution. Serial No. 469,214; July 4. Class 6.

Singer Textile Machinery Corp., New York, N. Y. Pressing machines. Serial No. 469,655; July 4. Class 24.

Sleepmaster Products Company, Inc., Newark, N. J. Mattresses, bed springs, box springs, etc. Serial No. 465,467; July 4. Class 32.

Sparkler Manufacturing Company, Mundelein, Ill. Domestic water filters. Serial No. 469,347; July 4. Class 31.

Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Rotor-balancing apparatus. Serial No. 469,974; July 4. Class 26.

Staffel, Ferd, Company, San Antonio, Tex. Insecticide. Serial No. 468,640; July 4. Class 6.

Star-Peerless Wall Paper Mills, Chicago, Ill. Wall paper. Serial Nos. 469,367–8; July 4. Class 37.

Stauffer Chemical Company, San Francisco, Calif. Fuming sulphuric acid, aluminum sulphate, borax, etc. Serial No. 467,411; July 4. Class 6.

Thordarson Electric Manufacturing Company, Chicago, Ill. Electronic control equipment. Serial No. 462,830; July 4. Class 21.

Toledo Steel Products Company, The, Toledo, Ohio. Pistons. Serial No. 469,099; July 4. Class 23.

Trade Winds, Ltd., Los Angeles, Calif. Shaving soap. Serial No. 468,688; July 4. Class 4.

Tremco Manufacturing Company, The, Cleveland, Ohio. Paint enamel. Serial No. 469,174; July 4. Class 16.

Tri-Valley Packing Association, San Francisco, Calif. Canned fruit, canned fruit cocktail and canned vegetables. Serial No. 468,272; July 4. Class 46.

Wella Corporation, The, New York, N. Y. Hair bleach. Serial No. 468,403; July 4. Class 6.

Wessel Company, The, assignor to Stanley Wessel & Company, Chicago, Ill. Combination letter sheet and envelope. Serial No. 457,594; July 4. Class 37.

Wessel, Stanley, & Company. (See Wessel Company, The, assignor.)

Wessel, Stanley, & Company, Chicago, Ill. Pads of combination letter sheets and envelopes. Serial No. 461,011; July 4. Class 37.

Worthman, Irving, Brooklyn, N. Y. Facial tissues. Serial No. 469,351; July 4. Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, Inc., New York, to Abraham & Straus, Inc., Brooklyn, N. Y. Mothproof bags. 191,127; renewed Nov. 4, 1944.

Arkadelphia Milling Co., Arkadelphia, Ark. Laying mash, scratch feed, poultry feed, etc. 184,852; renewed June 3, 1944.

Armstrong Publications. (See Armstrong, William, assignor.)

Armstrong, William, assignor to Armstrong Publications, Inc., New York, N. Y. Daily publication. 189,757; renewed Sept. 23, 1944.

Associated Food Factors. (See Barr, Philip F.)

Avon Products, Inc., New York, N. Y. Perfume, toilet water, powder and rouge compacts, etc. 407,897; July 4; Serial No. 464,774; published Dec. 21, 1943. Class 6.

Babcock & Wilcox Tube Company, The, Beaver Falls, Pa. Steel tubes. 184,278; renewed May 20, 1944.

Baker, Charles F., & Co., Boston, to Charles F. Baker & Co. Inc., Framingham, Mass., successor. Nails. 25,477; re-renewed Nov. 6, 1944.

Baker, Charles F., & Co. Inc. (See Baker, Charles F., & Co.)

Baker, Franklin, Company, Philadelphia, Pa., assignor to General Foods Corporation, New York, N. Y. Prepared toasted coconut. 186,136; renewed July 1, 1944.

Barr, Philip F., doing business as Associated Food Factors, New York, N. Y. Canned fruits and fruit juices; canned vegetables and vegetable juices, etc. 407,875; July 4; Serial No. 454,051; published Apr. 25, 1944. Class 46.

Belcher, George E., Company, Stoughton, Mass. Shoe trees. 407,890; July 4; Serial No. 462,699; published Apr. 18, 1944. Class 50.

Belding Heminway Company. (See Corticelli Silk Company, The, assignor.)

Bennahum, Muriel, New York, N. Y. Finger rings. 407,921; July 4; Serial No. 467,264; published Apr. 25, 1944. Class 28.

Bonat, Samuel, & Bro., New York, N. Y. Hair and permanent wave lotions. 407,911–12; July 4; Serial Nos. 467,063—4; published Apr. 18, 1944. Class 6.

Bond, Charles, Company, Philadelphia, Pa. Flat and round leather belting. 191,200; renewed Nov. 4, 1944.

Borden Company, The, New York, N. Y. Liquid phenol-formaldehyde resin solution. 407,879; July 4; Serial No. 456,621; published Apr. 13, 1943. Class 6.

Bradford Dyeing Association (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 191,136; renewed Nov. 4, 1944.

Bradford Dyeing Association (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 191,139; renewed Nov. 4, 1944.

Bradford Dyeing Association (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 191,141; renewed Nov. 4, 1944.

Bradford Dyeing Association (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 191,214–16; renewed Nov. 4, 1944.

Brantz, Louis P., Company, Philadelphia, Pa. Nursery and juvenile furniture. 407,880; July 4; Serial No. 456,622; published Jan. 25, 1944. Class 32.

Brooks Brothers, New York, N. Y. Smoking tobacco. 417,895; July 4; Serial No. 464,214; published Apr. 18, 1944. Class 17.

Bulova Watch Company, Inc., New York, N. Y. Watches. 184,904; renewed June 3, 1944.

Burbey, John E., Kansas City, Mo. Game involving letter sequences. 407,919; July 4; Serial No. 467,230; published Apr. 25, 1944. Class 22.

Byron Weston Company, Dalton, Mass. Ledger and bond paper. 407,884; July 4; Serial No. 459,021; published Apr. 18, 1944. Class 37.

Carolina Coffee Company, Charleston, S. C. Coffee. 191,255; renewed Nov. 4, 1944.

Carter Products, Inc., New York, N. Y. Cosmetic deodorant and anti-perspirant. 407,913; July 4; Serial No. 467,065; published Apr. 18, 1944. Class 6.

Chamberlain, F. B., Company, East St. Louis, Ill. Medicinal preparation for poultry. 407,923; July 4; Serial No. 467,288; published Apr. 18, 1944. Class 6.

Charles & Co., assignor to Mission Garden Co. Inc., New York, N. Y. Domestic beverages, staples, jellies, and paste, etc. 191,367; renewed Nov. 4, 1944.

Chasers, Inc., New York, N. Y. Candy. 407,892; July 4; Serial No. 463,506; published Apr. 25, 1944. Class 46.

Chipman's, Chas., Sons Co., Inc. (See Chipman Knitting Mills, assignor.)

Chipman Knitting Mills, Easton, Pa., assignor to Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 189,256; renewed Sept. 16, 1944.

Container Corporation of America, Chicago, Ill. Cylindrical paperboard containers and component parts thereof. 407,938; July 4. Class 2.

Continental Baking Company. (See Ward Bros. Co. Inc., assignor.)

Continental Steel Corporation. (See Keystone Steel & Wire Company, assignor.)

Corticelli Silk Company, The, Florence, Mass., assignor to Belding Heminway Company, New York, N. Y. Threads of silk, cotton, and wool. 191,117; renewed Nov. 4, 1944.

Corticelli Silk Company, The, Northampton, Mass., assignor to Belding Heminway Company, New York, N. Y. Thread of cotton, silk, or other fibrous material. 191,339; renewed Nov. 4, 1944.

Danish Pride Milk Products Co., Sheboygan, Wis., assignor to Pet Milk Company, St. Louis, Mo. Condensed milk and evaporated milk. 186,845; renewed July 22, 1944.

Darling, L. A., Company, Bronson, Mich. Merchandise display forms and mannequins. 407,933; July 4; Serial No. 468,878; publication waived. Class 50.

Davison Chemical Corporation, The. (See Silica Gel Products Corporation, The, assignor.)

Day, Bennett, Importing Company, Inc., assignor, by mesne assignments, to General Foods Sales Company, Inc., New York, N. Y. Walnuts. 186,825; renewed July 22, 1944.

Dictaphone Corporation, Bridgeport, Conn. Lubricating oil. 185,875; renewed June 24, 1944.

Dill Company, The, Norristown, Pa. Extract in liquid form. 191,219; renewed Nov. 4, 1944.

Drygoods Retailers, Inc. (See N. Y. Cotton Stores Inc.)

Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. 407,916–17; July 4; Serial Nos. 461,149–50; published Apr. 25, 1944. Class 1.

Endee Laboratories, Inc., New York, N. Y. Medicinal vitamin preparations. 407,885; July 4; Serial No. 460,021; published June 29, 1943. Class 6.

Fabish, Louis, New York, N. Y. Cosmetic oil. 407,943; July 4. Class 6.

Feldman, Meyer, doing business as Zephyr Venetian Blind Co., Tucson, Ariz. Venetian blinds. 407,922; July 4; Serial No. 467,273; published Apr. 25, 1944. Class 32.

Fels & Co., assignor to Fels & Company, Philadelphia, Pa. Soap. 25,272; re-renewed Sept. 25, 1944.

Fels & Company. (See Fels & Co., assignor.)

Ferris, F. A., & Co. Inc., New York, to Stahl-Meyer, Inc., Brooklyn, N. Y. Bacon. 183,985; renewed May 13, 1944.

Fisk Rubber Company, The, Chicopee Falls, Mass., assignor to United States Rubber Company, New York, N. Y. Vehicle tires. 189,830; renewed Sept. 30, 1944.

Foster Machine Company, Westfield, Mass. Cone winders, tube winders, and gassing machines. 188,655; renewed Sept. 2, 1944.

Franklin Baker Company, Haboken, N. J., assignor to General Foods Corporation, New York, N. Y. Prepared coconut. 189,987–8; renewed Sept. 30, 1944.

Frink Corporation, The. (See Frink, I. P., Inc., assignor.)

Frink, I. P., Inc., New York, assignor to The Frink Corporation, Long Island City, N. Y. Metal light reflectors. 185,129; renewed June 10, 1944.

General Food Sales Company. (See Day, Bennett, Importing Company, assignor.)

General Foods Corporation. (See Baker, Franklin, Company, assignor.)

Gimbel Brothers, Inc., New York, N. Y. Perfumes, colognes, toilet waters, etc. 407,900; July 4; Serial No. 465,916; published Apr. 18, 1944. Class 6.

Gladbrook Mustard Factory, to Gladbrook Mustard Factory, Gladbrook, Iowa, successor. Prepared mustard. 184,294; renewed May 20, 1944.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Composition soling material. 407,908; July 4; Serial No. 466,793; published Apr. 18, 1944. Class 50.

Grand Union Company, The. (See Jones Brothers Tea Company Inc., assignor.)

Graton & Knight Company. (See Graton & Knight Manufacturing Company, The, assignor.)

Graton & Knight Manufacturing Company, The, assignor to Graton & Knight Company, Worcester, Mass. Cut lace leather and lace leather in sides. 190,878; renewed Oct. 28, 1944.

Graton & Knight Mannfacturing Company, The, assignor to The Graton & Knight Company, Worcester, Mass. Leather packings. 191,241; renewed Nov. 4, 1944.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. 407,940; July 4. Class 27.

Gulf & West Indies Co., Inc., New York, N. Y. Chamois. 407,883; July 4; Serial No. 458,097; published Apr. 25, 1944. Class 1.

Harden, Acheson, & Company. (See Harden, Acheson, Co., The, assignor.)

Harden, Acheson, Co., The, assignor to Acheson Harden & Company, New York, N. Y. Handkerchiefs. 191,179; renewed Nov. 4, 1944.

Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Lead pencils. 407,894; July 4; Serial No. 463,999; published Apr. 25, 1944. Class 37.

Hartford Fire Insurance Company, Hartford, Conn. Loose leaf binder containing correlated questionnaires and application forms. 407,874; July 4; Serial No. 417,575; published Apr. 25, 1944. Class 37.

Hausmann A. G. Schewiz. Medizinal-& Sanitätsgeschäft St. Gallen, St. Gall, Switzerland. Preparations of fats, lipoids and waxes. 185,638; renewed June 24, 1944.

Hawaiian Fruit Candy Factory. (See Tateishi, Ryoichi.)

Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Candy. 407,925; July 4; Serial No. 467,398; published Apr. 25, 1944. Class 46.

Hawkins-Hawkins Co., Oakland, Calif. Welding rings. 407,942; July 4. Class 13.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. 407,918; July 4; Serial No. 467,194; published Apr. 18, 1944. Class 6.

Hollingsworth & Whitney Co., Boston, Mass. Writing and wrapping paper. 183,725; renewed May 6, 1944.

Hollywood Brands, Inc. (See Martoccio, F. A., Macaroni Co.)

Horowitz & Son, Inc., New York, N. Y. Watches. 407,944; July 4. Class 27.

Hospital Specialty Company, The, Cleveland, Ohio. Barber supplies. 407,901; July 4; Serial No. 466,081; published Apr. 25, 1944. Class 37.

Household Products Incorporated, Stamford, Conn. Odor neutralizer. 407,920; July 4; Serial No. 467,241; published Apr. 18, 1944. Class 6.

Hygienol Company, Inc. (See Levy, Maurice, assignor.)

Hytron Corporation, Salem, Mass. Portable miniature radio sending and receiving sets. 407,941; July 4. Class 21.

Indian Arts and Crafts Board, Washington, D. C. Canoes. 407,902; July 4; Serial No. 466,493; published Apr. 25, 1944. Class 19.

International Business Machines Corporation. (See International Time Recording Company of New York, assignor.)

International Textbook Company. (See Technical Supply Company.)

International Time Recording Company of New York, assignor to International Business Machines Corporation, New York, N. Y. Clocks and time recorders. 191,325; renewed Nov. 4, 1944.

Intoco Tobacco Corporation, New York, N. Y. Pipe tobacco. 407,898; July 4; Serial No. 464,999; published Apr. 25, 1944. Class 17.

James, Leonard, Company, San Saba, Tex. Vitamin preparation. 407,899; July 4; Serial No. 464,888; published Apr. 18, 1944. Class 6.

Jones Brothers Tea Company Inc., Brooklyn, assignor to The Grand Union Company, New York, N. Y. Coffee. 189,343; renewed Sept. 16, 1944.

Karp, Max, doing business as Valevista Ranch Co., Palmdale, Calif. Fresh cantaloupes, watermelons, pears, etc. 407,893; July 4; Serial No. 463,871; published Apr. 25, 1944. Class 46.

Katz & Ogush, Inc., to William B. Ogush, Inc., New York, N. Y. Finger rings, bar pins, bracelets, etc. 190,339; renewed Oct. 14, 1944.

Keith, Irving L., Haverhill, Mass. Automatic refrigerating apparatus. 191,152; renewed Nov. 4, 1944.

Kelco Company, San Diego, Calif. Algin product for use as an hydrophilic colloid. 407,888; July 4; Serial No. 462,314; published Sept. 14, 1943. Class 6.

Keystone Steel & Wire Company, Bartonville, Peoria, Ill., assignor to Continental Steel Corporation, Kokomo, Ind. Wire fence. 184,952; renewed June 3, 1944.

Levy, Maurice, New York, assignor to Hygienol Company, Inc., New Rochelle, N. Y. Powder puffs. 191,167; renewed Nov. 4, 1944.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparations for treatment of diabetes. 187,698; renewed Aug. 12, 1944.

Llobera Y Compania, S. En C., Habana, Cuba. Fruits, and vegetables, fresh, canned, dried or preserved, canned fish, etc. 407,886; July 4; Serial No. 461,144; published Jan. 18, 1944. Class 46.

Loewenstein, Hermann, New York, N. Y. Synthetic resin sheeting for shoe uppers. 407,924; July 4; Serial No. 467,372; published Apr. 25, 1944. Class 1.

Lyon Rural Electric Company, San Diego, Calif. Machine for trimming the upper beak of a fowl. 407,910; July 4; Serial No. 466,998; published Apr. 25, 1944. Class 44.

Macy, R. H., & Co., Inc., New York, N. Y. Men's and young men's suits. 189,268; renewed Sept. 16, 1944.

Macy, R. H. & Co., Inc., New York, N. Y. Young men's suits. 189,415; renewed Sept. 16, 1944.

Manos & Wood, San Diego, Calif. Fresh vegetables. 407,931; July 4; Serial No. 467,764; published Apr. 25, 1944. Class 46.

Marsh, Edward E., doing business as Marsh's Nursery, Pasadena, Calif. Cucumber seeds. 407,904; July 4; Serial No. 466,093; published Apr. 25, 1944. Class 1.

Marsh's Nursery. (See Marsh, Edward E.)

Martoccio, F. A., Macaroni Co., Minneapolis, Minn., by change of name to Hollywood Brands, Inc., Centralia, Ill. Candy. 191,366; renewed Nov. 4, 1944.

McCormick-Mathers Company, Wichita, assignor to G. R. Oleson, doing business as School Specialty Supply, Salina, Kans. Pamphlet records. 185,404; renewed June 17, 1944.

Melrose Hospital Uniform Company. (See Tames, Peter.)

Melrose Manufacturing Co. (See Tames, Peter.)

Mission Garden Co. Inc. (See Charles & Co. assignor.)

Mountford, Alfred, Philadelphia, Pa. Preparation for use in the treatment of rheumatism. 407,909; July 4; Serial No. 466,924; published Apr. 18, 1944. Class 6.

Munizaba, Jovan. (See Schwarz, Werner.)

N. Y. Cotton Stores Inc., to Drygoods Retailers, Inc., New York, N. Y., successor. Cotton piece goods and household linen. 186,262; renewed July 8, 1944.

Nahcee Hat Shops, Inc. (See Ziegler Manufacturing Company, assignor.)

National Lock Washer Company, The, Newark, N. J. Window-shade curtains. 189,764; renewed Sept. 23, 1944.

Nevada Celatom Co., Chicago, Ill. Poultry litter. 407,906; July 4; Serial No. 466,456; published Apr. 25, 1944. Class 1.

New York Belting and Packing Company, assignor to United States Rubber Company, New York, N. Y. Packing of rubber and fiber. 188,788; renewed Sept. 2, 1944.

Newport Industries, Inc., Pensacola, Fla. Resin for use in a tackifier, plasticizer, replacer, and extender of crude rubber, reclaimed rubber, and synthetic rubber. 407,882; July 4; Serial No. 457,590; published Feb. 23, 1943. Class 6.

Ogush, William B., Inc. (See Katz & Ogush, Inc.)

Ogush, William B., Inc., New York, N. Y. Watch cases, watches, watch movements and watch parts. 407,926; July 4; Serial No. 467,462; published Apr. 18, 1944. Class 27.

Ogush, William B., Inc., New York, N. Y. Jewelry for personal wear. 407,927; July 4; Serial No. 467,463; published Apr. 25, 1944. Class 28.

Oleson, G. R. (See McCormick-Mathers Company, assignor.)

Orange-Crush Company, Chicago, Ill. Nonalcoholic, noncereal, maltless beverages. 190,821; renewed Oct. 28, 1944.

Originalities, New York, N. Y. Women's wallets. 407,932; July 4; Serial No. 467,897; published Apr. 25, 1944. Class 3.

Overby, Stanley, doing business as Stanley Overby Chair Company, Inglewood, Calif. Chairs. 407,928; July 4; Serial No. 467,498; published Apr. 25, 1944. Class 32.

Overby, Stanley, Chair Company. (See Overby, Stanley.)

Paraloy Co., The. (See Williamson, Fred E.)

Patton, Herbert W., doing business as The Sal-Oda Sales Co., Boston, Mass. Preparation for the treatment or relief of rheumatism, neutritis, neuralgia, etc. 407,903; July 4; Serial No. 465,783; published Apr. 18, 1944. Class 6.

Pet Milk Company. (See Danish Pride Milk Products Co., assignor.)

Prescott, J. L., Company. (See Prescott, J. L., & Co., assignor.)

Prescott, J. L., & Co., North Berwick, Maine, assignor to J. L. Prescott Company, Passaic, N. J. Polish. 25,331; re-renewed Oct. 9, 1944.

Quigley Company, Inc. (See Quigley Furnace Specialties Company, Inc.)

Quigley Furnace Specialties Company, Inc., New York, N. Y., by change of name to Quigley Company, Inc. Light-weight heat-insulating concrete. 187,430; renewed Aug. 5, 1944.

Red Hand Compositions Company, Inc., New York, N. Y. Varnish. 190,703; renewed Oct. 21, 1944.

Red Hand Compositions Company, Inc., New York, N. Y. Paints and enamels. 190,914; renewed Oct. 28, 1944.

Redston, Aaron J. (See Rothstein, Aaron J.)

Rodman, Harry, New York, N. Y. Watches and watch movements. 407,945; July 4. Class 27.

Rothstein, Aaron J., New York, N. Y., by judicial change of name to Aaron J. Redston, formerly known as A. J. Rothstein, doing business as Triangle Thread Mills. Artificial and real silk yarn and silk thread. 190,258; renewed Nov. 4, 1944.

Royal Typewriter Company, Inc., New York, N. Y. Pocketlike holders. 407,876; July 4; Serial No. 454,314; published Apr. 25, 1944. Class 2.

Rumble, C. B., & Sons. (See Rumble, Chas. B., assignor.)

Rumble, Chas. B., doing business as Chas. B. Rumble & Sons, Modesto and Salida, assignor to C. B. Rumble & Sons, Salida, Calif. Fresh deciduous fruits. 191,284; renewed Nov. 4, 1944.

Rumble, Chas. B., & Sons. (See Rumble, Chas. B.)

Sal-Oda Sales Co. (See Patton, Herbert W.)

Sauer, C. F., Company, The, Richmond, Va. Flavoring extracts and baking-powder. 25,222; re-renewed Sept. 11, 1944.

School Specialty Supply. (See Oleson, G. R.)

Schwarz, Werner, and J. Munizaba, Buenos Aires, Argentina. Crude, raw or partly prepared animal hides and skins. 407,889; July 4; Serial No. 462,429; published Apr. 18, 1944. Class 1.

Score's 'Balaclava'Co. Limited. (See Score's Balaclava Limited.)

Score's Balaclava Limited, to Score's 'Balaclava' Co. Limited, Ontario, Canada. Men's overcoats. 190,262; renewed Oct. 7, 1944.

Searle, G. D., & Co., Chicago, Ill. Radiopaque solution. 407,905; July 4; Serial No. 466,129; published Apr. 18, 1944. Class 6.

Silica Gel Products Corporation, The, assignor to The Davison Chemical Corporation, Baltimore, Md. Toilet powder. 190,425; renewed Oct. 14, 1944.
Smith, Floyd N., doing business as Floyd N. Smith Co., Phoenix, Ariz. Fresh vegetables. 407,914; July 4; Serial No. 467,077; published Apr. 25, 1944. Class 46.
Spray Engineering Company, Boston, assignor to Spray Engineering Company, Somerville, Mass. Pneumatic painting and industrial surface finishing equipment. 190,168; renewed Oct. 7, 1944.
Stahl-Meyer, Inc. (See Ferris, F. A., & Co. Inc.)
Stahmann, D. F., doing business as Stahmann Farms, Las Cruces, N. Mex. Fresh melons and fresh vegetables. 407,907; July 4; Serial No. 466,463; published Apr. 25, 1944. Class 46.
Stahmann Farms. (See Stahmann, D. F.)
Strauss, Levi, and Company, San Francisco, Calif. Wearing apparel. 189,350; renewed Sept. 16, 1944.
Surrette Storage Battery Co., Inc., Salem, Mass. Electrical batteries. 407,877; July 4; Serial No. 455,832; published Apr. 25, 1944. Class 21.
Taft Alloy Steel Company, Taft, Calif. Anchorage chains and chain links. 407,891; July 4; Serial No. 462,956; published Apr. 25, 1944. Class 13.
Tames, Peter, doing business as Melrose Hospital Uniform Company and Melrose Manufacturing Co., New York, N. Y. Operating gowns, operating suits, laboratory gowns, etc. 191,018; renewed Oct. 28, 1944.
Tateishi, Ryoichi, doing business as Hawaiian Fruit Candy Factory, Kalaheo, Hawaii. Guava juice, papaya juice, crushed poha, etc. 407,934; July 4. Class 46.
Technical Supply Company, to International Textbook Company, Scranton, Pa., successor. Drawing instruments and drawing tables. 190,952; renewed Oct. 28, 1944.
Triangle Thread Mills. (See Redston, Aaron J.)
United Candy Company. (See United Drug Company, assignor.)
United Cigar-Whelan Stores Corporation, New York, N. Y. Smoking pipes. 407,939; July 4. Class 8.
United Drug Company, doing business as United Candy Company, assignor to United Drug Company, Boston, Mass. Candy. 183,574; renewed May 6, 1944.
United States Gypsum Company, Chicago, Ill. Finely ground gypsum. 407,935; July 4. Class 1.
United States Rubber Company. (See Fisk Rubber Company, assignor.)
United States Rubber Company. (See New York Belting and Packing Company, assignor.)
Universal Sanitary Manufacturing Company, New Castle, Pa. Water closet tanks, closet bowls, urinals, etc. 407,936; July 4. Class 13.
Upson Company, The, Lockport, N. Y. Artificial lumber. 189,933; renewed Sept. 30, 1944.
Valevista Ranch Co. (See Karp, Max.)
Veterans of Foreign Wars of the United States, Kansas City, Kans., to Veterans of Foreign Wars of the United States, Kansas City, Mo. Artificial flowers. 190,364; renewed Oct. 14, 1944.
Walker, Crosweller & Company Limited, Cheltenham, England. Gas-flow recorders and meters, pressure and vacuum recorders, etc. 407,881; July 4; Serial No. 456,949; published Apr. 25, 1944. Class 26.
Walker Industries. (See Walker, William Louis.)
Walker, Thomas, & Son Limited, Birmingham, England. Ship logs, nautical distance recorders, nautical speed indicators, etc. 185,440; renewed June 17, 1944.
Walker, William Louis, doing business as Walker Industries, San Francisco, Calif. Apparatus for electrolytic protection of boilers, water tanks, etc. 407,896; July 4; Serial No. 464,493; published Apr. 25, 1944. Class 21.
War Bros. Co. Inc., Buffalo, assignor to Continental Baking Company, New York, N. Y. Bread. 190,724; renewed Oct. 21, 1944.
Ward, Ralph D., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, New York, N. Y. Electric delivery and passenger vehicles. 191,243; renewed Nov. 4, 1944.
Warner, William R., & Co. Inc., Wilmington, Del., and New York, N. Y. Medicinal preparations. 407,915; July 4; Serial No. 467,118; published Apr. 18, 1944. Class 6.
Waverly Oil Works Company, The. (See Waverly Oil Works Company.)
Waverly Oil Works Company, to The Waverly Oil Works Company, Pittsburgh, Pa., successor. Motor fuel. 189,034; renewed Sept. 9, 1944.
Wenatchee Valley Foods, Inc., North Wenatchee, Wash. Canned fruits and vegetables. 407,887; July 4; Serial No. 461,397; published Apr. 25, 1944. Class 46.
Wesco Waterpaints, Inc. (See West Coast Kalsomine Company.)
West Coast Kalsomine Company, Berkeley, Calif., by change of name of Wesco Waterpaints, Inc. Semipaste paint. 191,129; renewed Nov. 4, 1944.
Western Auto Supply Company, Kansas City, Mo. Grass, vegetable and flower seeds. 407,937; July 4. Class 1.
Westfield River Paper Company, Inc., Russell, Mass, and New York, N. Y., to Westfield River Paper Company, Inc., Russell, Mass. Wrapping and transparent papers. 191,308; renewed Nov. 4, 1944.
Wheaton, D. L., Los Angeles, Calif. Identification tags. 407,878; July 4; Serial No. 455,992; published Apr. 25, 1944. Class 50.
Williamson, Fred E., doing business as The Paraloy Co., Chicago, Ill. Phonograph needles. 407,929–30; July 4; Serial Nos. 467,705–6; published Apr. 25, 1944. Class 36.
Wolf Safety Lamp Co. of America, Inc., Brooklyn, N. Y. Safety lamps, carbide cap lamps, carbide hand lamps. 190,984; renewed Oct. 28, 1944.
Yale & Towne Manufacturing Company, The. (See Ward, Ralph D., assignor.)
Zephyr Venetian Blind Co. (See Feldman, Meyer.)
Ziegler Manufacturing Company, assignor, by mesne assignments, to Nancee Hat Shops, Inc., St. Louis, Mo. Girls', misses', ladies' and women's hats. 188,203; renewed Aug. 19, 1944.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Chamois. Gulf & West Indies Co. 407,883; July 4; Serial No. 458,097; published Apr. 25, 1944.
Gypsum, Finely ground. United States Gypsum Company. 407,935; July 4.
Hides and skins, Crude, raw or partly prepared, Animal. W. Schwarz and J. Munizaba. 407,889; July 4; Serial No. 462,429; published Apr. 18, 1944.
Leather. B. D. Eisendrath Tanning Co. 407,916–17; July 4; Serial Nos. 467,149–50; published Apr. 25, 1944.
Leather and lace leather in sides, Cut lace. Graton & Knight Manufacturing Company. 190,878; renewed Oct. 28, 1944.
Litter, Poultry. Nevada Celatom Co. 466,456; July 4; Serial No. 407,906; published Apr. 25, 1944.
Resin sheeting for shoe uppers, Synthetic. H. Lowenstein. 407,924; July 4; Serial No. 467,372; published Apr. 25, 1944.
Seeds, Cucumber. E. E. Marsh. 407,904; July 4; Serial No. 466,093; published Apr. 25, 1944.
Seeds, Grass, vegetable and flower. Western Auto Supply Company. 407,937; July 4.

CLASS 2

Bags, Mothproof. Abraham & Straus, Inc. 191,127; renewed Nov. 4, 1944.
Containers and component parts thereof, Cylindrical paperboard. Container Corporation of America. 407,938; July 4.
Holders, Pocketlike. Royal Typewriter Company. 407,876; July 4; Serial No. 454,314; published Apr. 25, 1944.

CLASS 3

Wallets, Women's. Originalities. 407,932; July 4; Serial No. 467,897; published Apr. 25, 1944.

CLASS 4

Polish. J. L. Prescott & Co. 25,331; re-renewed Oct. 9, 1944.
Soap. Fels & Co. 25,272; re-renewed Sept. 25, 1944.

CLASS 6

Algin product for use as an hydrophilic colloid. Kelco Company. 407,888; July 4; Serial No. 462,314; published Sept. 14, 1943.
Deodorant and anti-perspirant, Cosmetic. Carter Products, Inc. 407,913; July 4; Serial No. 467,065; published Apr. 18, 1944.
Fats, lipoids, and waxes, Preparations of. Hausmann A. G. Schewiz. Medizinal- & Sanitätsgeschäft St. Gallen. 185,638; renewed June 24, 1944.
Lotions, Hair and permanent wave. Samuel Bonat & Bro. 407,911–12; July 4; Serial Nos. 467,063–4; published Apr. 18, 1944.
Medicinal preparation. Hoffman-La Roche, Inc. 407,918; July 4; Serial No. 467,194; published Apr. 18, 1944.
Medicinal preparation for poultry. F. B. Chamberlain Company. 407,923; July 4; Serial No. 467,288; published Apr. 18, 1944.
Medicinal preparations. William R. Warner & Co. Inc. 407,915; July 4; Serial No. 467,118; published Apr. 18, 1944.
Medicinal preparations for treatment of diabetes. Eli Lilly and Company. 187,698; renewed Aug. 12, 1944.
Medicinal vitamin preparations. Emdee Laboratories, Inc. 407,885; July 4; Serial No. 460,021; published June 29, 1943.
Odor neutralizer. Household Products Incorporated. 407,920; July 4; Serial No. 467,241; published Apr. 18, 1944.
Oil, Cosmetic. L. Fabish. 407,943; July 4.

Perfume, toilet water, powder and rouge compacts, etc. Avon Products, Inc. 407,897; July 4; Serial No. 464,774; published Dec. 21, 1943.
Perfumes, colognes, toilet waters. Gimbel Brothers, Inc. 407,900; July 4; Serial No. 465,916; published Apr. 18, 1944.
Powder, Toilet. Silica Gel Products Corporation. 190,425; renewed Oct. 14, 1944.
Preparation for the treatment or relief of rheumatism, neuritis, neuralgia, etc. H. W. Patton. 407,903; July 4; Serial No. 463,783; published Apr. 18, 1944.
Preparation for use in the treatment of rheumatism. A. Mountford. 407,909; July 4; Serial No. 466,924; published Apr. 18, 1944.
Resin for use in a tackifier, plasticizer, replacer, and extender of crude rubber, reclaimed rubber and synthetic rubber. Newport Industries, Inc. 407,882; July 4; Serial No. 457,590; published Feb. 23, 1943.
Resin solution, Liquid phenol-formaldehyde. Borden Company. 407,879; July 4; Serial No. 456,621; published Apr. 13, 1943.
Solution, Radiopaque. G. D. Searle & Co. 407,905; July 4; Serial No. 466,129; published Apr. 18, 1944.
Vitamin preparation. Leonard James Company. 407,899; July 4; Serial No. 464,888; published Apr. 18, 1944.

CLASS 8

Pipes, Smoking. United Cigar-Whelan Stores Corporation. 407,939; July 4.

CLASS 12

Concrete, Light-weight heat-insulating. Quigley Furnace Specialties Company. 187,430; renewed Aug. 5, 1944.
Lumber, Artificial. Upson Company. 189,933; renewed Sept. 30, 1944.

CLASS 13

Chains and chain links, Anchorage. Taft Alloy Steel Company. 407,891; July 4; Serial No. 462,956; published Apr. 25, 1944.
Fence, Wire. Keystone Steel & Wire Company. 184,952; renewed June 3, 1944.
Nails. Charles F. Baker & Co. 25,477; re-renewed Nov. 6, 1944.
Rings, Welding. Hawkins-Hawkins Co. 407,942; July 4.
Tanks, closet bowls, urinals, etc., Water closet. Universal Sanitary Manufacturing Company. 407,936; July 4.
Tubes, Steel. Babcock & Wilcox Tube Company. 184,278; renewed May 20, 1944.

CLASS 15

Fuel, Motor. Waverly Oil Works Company. 189,034; renewed Sept. 9, 1944.
Oil, Lubricating. Dictaphone Corporation. 185,875; renewed June 24, 1944.

CLASS 16

Paint, Semipaste. West Coast Kalsomine Company. 191,129; renewed Nov. 4, 1944.
Paints and enamels. Red Hand Compositions Company. 190,914; renewed Oct. 28, 1944.
Varnish. Red Hand Compositions Company. 190,703; renewed Oct. 21, 1944.

CLASS 17

Tobacco, Pipe. Intoco Tobacco Corporation. 407,898; July 4; Serial No. 464,999; published Apr. 25, 1944.
Tobacco, Smoking. Brooks Brothers. 407,895; July 4; Serial No. 464,214; published Apr. 18, 1944.

CLASS 19

Canoes. Indian Arts and Crafts Board. 407,902; July 4; Serial No. 466,493; published Apr. 25, 1944.
Vehicles, Electric delivery and passenger. R. D. Ward. 191,243; renewed Nov. 4, 1944.

CLASS 21

Apparatus for electrolytic protection of boilers, water tanks, etc. W. L. Walker. 407,896; July 4; Serial No. 464,493; published Apr. 25, 1944.
Electrical storage batteries. Surrett Storage Battery Co. 407,877; July 4; Serial No. 455,832; published Apr. 25, 1944.
Radio sending and receiving sets, Portable miniature. Hytron Corporation. 407,941; July 4.

CLASS 22

Game involving letter sequences. J. E. Burbey. 407,919; July 4; Serial No. 467,230; published Apr. 25, 1944.

CLASS 23

Painting and industrial surface finishing equipment, Pneumatic. Spray Engineering Company. 190,168; renewed Oct. 7, 1944.
Winders, tube winders, and gassing machines. Cone. Foster Machine Company. 188,655; renewed Sept. 2, 1944.

CLASS 26

Drawing instruments and drawing tables. Technical Supply Company. 190,952; renewed Oct. 28, 1944.
Recorders and meters, pressure and vacuum recorders, etc., Gas-flow. Walker, Crosweller & Company Limited. 407,881; July 4; Serial No. 456,949; published Apr. 25, 1944.
Ship logs, nautical distance recorders, nautical speed indicators, etc. Thomas Walker & Son Limited. 185,440; renewed June 17, 1944.

CLASS 27

Clocks and time recorders. International Time Recording Company of New York. 191,325; renewed Nov. 4, 1944.
Watch cases, watches, watch movements, and parts thereof. William B. Ogush, Inc. 407,926; July 4; Serial No. 467,462; published Apr. 18, 1944.
Watches. Bulova Watch Company. 184,904; renewed June 3, 1944.
Watches. Horowitz & Son, Inc. 407,944; July 4.
Watches and watch movements. H. Rodman. 407,945; July 4.
Watches, watch cases and watch movements. Gruen Watch Company. 407,940; July 4.

CLASS 28

Jewelry for personal wear. William B. Ogush, Inc. 407,927; July 4; Serial No. 467,463; published Apr. 25, 1944.
Rings, bar pins, bracelets, etc., Finger. Katz & Ogush, Inc. 190,339; renewed Oct. 14, 1944.
Rings, Finger. M. Bennahum. 407,921; July 4; Serial No. 467,264; published Apr. 25, 1944.

CLASS 29

Powder puffs. M. Levy. 191,167; renewed Nov. 4, 1944.

CLASS 31

Refrigerating apparatus, Automatic. I. L. Keith. 191,152; renewed Nov. 4, 1944.

CLASS 32

Blinds, Venetian. M. Feldman. 407,922; July 4; Serial No. 467,273; published Apr. 25, 1944.
Chairs. S. Overby. 407,928; July 4; Serial No. 467,498; published Apr. 25, 1944.
Curtains, Window-shade. National Lock Washer Company. 189,764; renewed Sept. 23, 1944.
Furniture, Nursery and juvenile. Louis P. Branz Company. 407,880; July 4; Serial No. 456,622; published Jan. 25, 1944.

CLASS 34

Lamps, carbide cap lamps, carbide handlamps, Safety. Wolf Safety Lamp Co. of America. 190,984; renewed Oct. 28, 1944.
Reflectors, Metal light. I. P. Frink, Inc. 185,129; renewed June 10, 1944.

CLASS 35

Belting, Flat and round leather. Charles Bond Company. 191,200; renewed Nov. 4, 1944.
Packings, Leather. Graton & Knight Manufacturing Company. 191,241; renewed Nov. 4, 1944.
Rubber and fiber, Packing of. New York Belting and Packing Company. 188,788; renewed Sept. 2, 1944.
Tires, Rubber. Fisk Rubber Company. 189,830; renewed Sept. 30, 1944.

CLASS 36

Needles, Phonograph. F. E. Williamson. 407,929–30; July 4; Serial Nos. 467,705–6; published Apr. 25, 1944.

CLASS 37

Barber supplies, Hospital Specialty Company. 417,901; July 4; Serial No. 466,081; published Apr. 25, 1944.
Binder containing correlated questionnaires and application forms, Loose leaf. Hartford Fire Insurance Company. 407,874; July 4; Serial No. 417,575; published Apr. 25, 1944.
Pamphlet records. McCormick-Mathers Company. 185,404; renewed Jan. 17, 1944.
Paper, Ledger and bond. Byron Weston Company. 407,884; July 4; Serial No. 459,021; published Apr. 18, 1944.
Paper, Writing and wrapping. Hollingsworth & Whitney Co. 183,725; renewed May 6, 1944.
Papers, Wrapping and transparent. Westfield River Paper Company. 191,308; renewed Nov. 4, 1944.
Pencils, Lead. L. & C. Hardtmuth, Inc. 407,894; July 4; Serial No. 463,999; published Apr. 25, 1944.

CLASS 38

Publication, Daily. W. Armstrong. 189,757; renewed Sept. 23, 1944.

CLASS 39

Gowns, operating suits, laboratory gowns, etc., Operating. P. Tames. 191,018; renewed Oct. 28, 1944.
Handkerchiefs. Acheson Harden Co. 191,179; renewed Nov. 4, 1944.
Hats, Girls', misses', ladies' and women's. Ziegler Manufacturing Company. 188,203; renewed Aug. 19, 1944.
Hosiery. Chipman Knitting Mills. 189,256; renewed Sept. 16, 1944.
Overcoats, Men's. Score's Balaclava Limited. 190,262; renewed Oct. 7, 1944.
Suits, Men's and young men's. R. H. Macy & Co. 189,268; renewed Sept. 16, 1944.
Suits, Young men's. R. H. Macy & Co. 189,415; renewed Sept. 16, 1944.
Wearing apparel. Levi Strauss and Company. 189,350; renewed Sept. 16, 1944.

CLASS 40

Flowers, Artificial. Veterans of Foreign Wars of the United States. 190,364; renewed Oct. 14, 1944.

CLASS 42

Cotton piece goods and household linen. N. Y. Cotton Stores Inc. 186,262; renewed July 8, 1944.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.) 191,136; renewed Nov. 4, 1944.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.) 191,139; renewed Nov. 4, 1944.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.) 191,141; renewed Nov. 4, 1944.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association (U. S. A.) 191,214–16; renewed Nov. 4, 1944.

CLASS 43

Thread of cotton, silk or other fibrous material. Corticelli Silk Company. 191,339; renewed Nov. 4, 1944.
Threads of silk, cotton and wool. Corticelli Silk Company. 191,117; renewed Nov. 4, 1944.
Yarn and silk thread, Artificial and real silk. A. J. Rothstein. 191,258; renewed Nov. 4, 1944.

CLASS 44

Machine for trimming the upper beak of a fowl. Lyon Rural Electric Company. 407,910; July 4; Serial No. 466,998; published Apr. 25, 1944.

CLASS 45

Beverages, Nonalcoholic, noncereal, maltless. Orange-Crush Company. 190,821; renewed Oct. 28, 1944.
Extract in liquid form. Dill Company. 191,219; renewed Nov. 4, 1944.

CLASS 46

Bacon. F. A. Ferris & Co. Inc. 183,985; renewed May 13, 1944.
Beverages, staples, jellies and paste, etc., Domestic. Charles & Co. 191,367; renewed Nov. 4, 1944.
Bread. Ward Bros. Co. Inc. 190,724; renewed Oct. 21, 1944.
Candy. Chasers, Inc. 407,892; July 4; Serial No. 463,506; published Apr. 25, 1944.
Candy. Hawaiian Pineapple Company, Ltd. 407,925; July 4; Serial No. 467,398; published Apr. 25, 1944.
Candy. F. A. Martoccio Macaroni Co. 191,366; renewed Nov. 4, 1944.
Candy. United Drug Company. 183,574; renewed May 6, 1944.
Canned fruits and fruit juices, canned vegetables and vegetable juices, etc. P. F. Barr. 407,875; July 4; Serial No. 454,051; published Apr. 25, 1944.
Canned fruits and vegetables. Wenatchee Valley Foods, Inc. 407,887; July 4; Serial No. 461,307; published Apr. 25, 1944.
Cantaloupes, watermelons, pears, etc., Fresh. M. Karp. 407,893; July 4; Serial No. 463,871; published Apr. 25, 1944.
Coconut, Prepared. Franklin Baker Company. 189,987–8; renewed Sept. 30, 1944.
Coconut, Prepared toasted. Franklin Baker Company. 186,136; renewed July 1, 1944.
Coffee. Carolina Coffee Company. 191,255; renewed Nov. 4, 1944.
Coffee. Jones Brothers Tea Company Inc. 189,343; renewed Sept. 16, 1944.
Flavoring extracts and baking-powder. C. F. Sauer Company. 25,222; re-renewed Sept. 11, 1944.
Fruits, and vegetables, fresh, canned, dried or preserved, canned fish, etc. Llobera y Compania, S. en C. 407,886; July 4; Serial No. 461,144; published Jan. 18, 1944.
Fruits, Fresh deciduous. C. B. Rumble. 191,284; renewed Nov. 4, 1944.
Guava juice, papaya juice, crushed poha, etc. R. Tateishi. 407,934; July 4.
Mash, scratch feed, poultry feed, etc., Laying. Arkadelphia Milling Co. 184,852; renewed June 3, 1944.
Melons and fresh vegetables. Fresh. D. F. Stahmann. 407,904; July 4; Serial No. 466,463; published Apr. 25, 1944.
Milk and evaporated milk, Condensed. Danish Pride Milk Products Co. 186,845; renewed July 22, 1944.
Mustard, Prepared. Gladbrook Mustard Factory. 184,294; renewed May 20, 1944.
Vegetables, Fresh. F. N. Smith. 407,914; July 4; Serial No. 467,077; published Apr. 25, 1944.
Vegetables, Fresh. Manos & Wood; 407,931; July 4; Serial No. 467,764; published Apr. 25, 1944.
Walnuts, Bennett Day Importing Company. 186,825; renewed July 22, 1944.

CLASS 50

Composition soling material. Goodyear Tire & Rubber Company. 407,908; July 4; Serial No. 466,793; published Apr. 18, 1944.
Display forms and mannequins, Merchandise. L. A. Darling Company. 407,933; July 4; Serial No. 468,878; publication waived.
Shoe trees. George E. Belcher Company. 407,890; July 4; Serial No. 462,699; published Apr. 18, 1944.
Tags, Identification. D. L. Wheaton. 407,878; July 4; Serial No. 455,992; published Apr. 25, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brandon, John R., Cramerton, N. C. Checkstrap for looms. Re. 22,509; July 4.
Clarke, Louis A. (See Goldsby, A. R., Pevere, Clarke, and Hatch.)
Goldsby, Arthur R., and E. F. Pevere, Beacon, L. A. Clarke, Fishkill, and G. B. Hatch, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. Re. 22,510; July 4.
Grayson Heat Control, Limited. (See Jackson, Wilbur F., assignor.)
Hatch, George B. (See Goldsby, A. R., Pevere, Clarke, and Hatch.)
Jackson, Wilbur F., Compton, assignor to Grayson Heat Control, Limited, Lynwood, Calif. Fuel control device. Re. 22,511; July 4.
Munschak, Uscher, New York, N. Y., assignor of one-half to J. Wolodarsky, Paris, France. Electric heating systems for garments and other objects. Re. 22,512; July 4.
Pevere, Ernest F. (See Goldsby, A. R., Pevere, Clarke, and Hatch.)
Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Single anchor mounting construction for brake shoes. Re. 22,513; July 4.
Texas Company, The. (See Goldsby, A. R., Pevere, Clarke, and Hatch, assignors.)
Wagner Electric Corporation. (See Schnell, Steve, assignors.)
Wolodarsky, Jacob. (See Munschak, Uscher, assignor.)

LIST OF PLANT PATENTEES

Nelson, Oscar, Miami, Fla. Sansevieria plant. 633; July 4.

LIST OF DESIGN PATENTEES

Ansell, Frank E., Brooklyn, N. Y. Combined bottle and stopper. 138,192; July 4.
Bendix Aviation Corporation. (See Nardone, Romeo M., assignor.)
Boynton, Earl S., East Orange, N. J. Lamp. 138,209; July 4.
Burrafato, Saveria, Brooklyn, N. Y. Shoe. 138,210; July 4.
Burrafato, Saveria, Brooklyn, N. Y. Shoe. 138,211; July 4.
Clark, Robert H. (See Smith, Lawson A., assignor.)
Committee for Constitutional Government. (See Hopkins, Le Roy E., assignor.)
Condon, Robert S., Rutland, Vt. Abrasive cutoff machine. 138,206; July 4.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone desk stand. 138,212; July 4.
Duffy, Tom, Detroit, Mich., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Toy wagon. 138,193; July 4.
Duffy, Tom, Detroit, Mich., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Toy wagon. 138,194; July 4.
Duffy, Tom, Detroit, Mich., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Toy wagon. 138,195; July 4.
Field, Allen, New York, N. Y. Set of playing cards or similar article. 138,177; July 4.
Filler, Abraham, New York, N. Y. Adjustable nursing bottle support. 138,196; July 4.
Firquain, Elmer J., assignor of one-half to M. D. Friedman, Kansas City, Mo. Coaster. 138,178; July 4.
Folke, Bengt E., Mamaroneck, assignor to Nathan Manufacturing Company, New York, N. Y. Mechanical lubricator. 138,179; July 4.
Friedman, Martin D. (See Firquain, Elmer J., assignor.)
Gordon, Samuel, Stamford, Conn. Dental plate container. 138,180; July 4.
Gruber, Abe, New York, N. Y. Coat. 138,197; July 4.
Hopkins, Le Roy E., Northbrook, Ill., assignor to Committee for Constitutional Government, New York, N. Y. Book cover. 138,213; July 4.
International Standard Electric Corporation. (See Deakin, Gerald, assignor.)
Jackson, Bruce A., Grand Rapids, Mich. Bottle. 138,198; July 4.
Kotzin, Bernard, Los Angeles, Calif. Face powder compact. 138,199; July 4.
Kuczajda, Frederick, Detroit, Mich. Ring mounting. 138,181; July 4.
Labran, Garrie, New York, N. Y. Bottle or similar article. 138,200; July 4.
Lamb, Lloyd V., Seattle, Wash. Patriotic photograph mounting card. 138,207; July 4.
Martin, Glenn L., Company, The. (See van Zelm, Willem D., assignor.)
Miller, Tobias, Washington, D. C. Device for training in cooperation and coordination. 138,214; July 4.
Minchenberg, David, New York, N. Y. Dress. 138,215; July 4.
Minet, Valere L., Geneva, N. Y. Sign. 138,182; July 4.
Montgomery Ward & Co. (See Duffy, Tom, assignor.)
Nardone, Romeo, M., Westwood, assignor to Bendix Aviation Corporation, Bendix, N. J. Gear box for aircraft engine starters. 138,216; July 4.
Nathan Manufacturing Company. (See Folke, Bengt E., assignor.)
Newlon, John S., Nevada, Mo. Burial casket for pet animals or similar article. 138,201; July 4.
Olszewski, Edward, Detroit, Mich. Display stand for illustrated postal cards. 138,208; July 4.
Philippe, Alfred, Providence, R. I. Brooch pin. 138,202; July 4.
Philippe, Alfred, Providence, R. I. Brooch pin. 138,203; July 4.
Pool, Clarence, Rivera, Calif. Valve check. 138,183; July 4.
Pool, Clarence, Rivera, Calif. Valve check. 138,184; July 4.
Reiter, Harold J., Chicago, Ill. Slide buckle. 138,185; July 4.
Rosenblatt, Manfred, Kew Gardens, N. Y. Belt rack. 138,204; July 4.
Rothschild, Lionel G., Dallas, Tex. Bottle or similar article. 138,205; July 4.
Rowlett, John E., assignor of fifty per cent to N. W. Smith, Nacogdoches, Tex. Combination tool. 138,186; July 4.
Smith, Lawson A., assignor to R. H. Clark, Los Angeles, Calif. Cutting tool. 138,187; July 4.
Smith, Lawson A., assignor to R. H. Clark, Los Angeles, Calif. Cutting tool. 138,188; July 4.
Smith, Lawson A., assignor to R. H. Clark, Los Angeles, Calif. Cutting tool. 138,189; July 4.
Smith, Neal W. (See Rowlett, John E., assignor.)
Swanson, Rolf G., Minneapolis, Minn. Toy gun. 138,190; July 4.
Van Zelm, Willem D., Ruxton, assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. 138,217; July 4.
Van Zelm, Willem D., Ruxton, assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. 138,218; July 4.
Wilson, Ruth F., St. Paul, Minn. Push toy. 138,191; July 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adel Precision Products Corp. (See Ellinwood, Herman R., assignor.)
Adel Precision Products Corp. (See Morehouse, Eugene M., assignor.)
Agriculture of the United States of America, and his successors in office, Claude R. Wickard, as Secretary of. (See Goldthwait, Charles F., assignor.)
Agriculture of the United States of America, and his successors in office, Claude R. Wickard, as Secretary of. (See Lyons, William J., assignor.)
Air Preheater Corporation, The. (See Karlsson, Per H., assignor.)
Aktiebolaget Asea Svetsmackiner. (See Anderson, B., and Wängsjö, assignors.)
Albertson, Maurice M., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Radiological method of logging wells. 2,352,993; July 4.
Albumatic Company. (See Hart, Joseph J.)
Alder, Kurt, and E. Windemuth, Cologne, Germany; vested in the Alien Property Custodian. Condensation products. 2,352,606; July 4.
Alexander, Harvey B., Kenvil, N. J., and C. H. Cordle, assignors to Hercules Powder Company, Wilmington, Del. Packaging electric blasting caps. 2,352,998; July 4.
Alexander, Ralph P., Slater, S. C. Device for stacking cases or the like. 2,352,879; July 4.
Alexandrescu, Alexander M., Cleveland, Ohio. Expansion controlling piston construction. 2,352,592; July 4.
Alien Property Custodian. (See Alder, K., and Windemuth.)
Alien Property Custodian. (See de Boer, K., and Schouten.)
Alien Property Custodian. (See Saint Genies, Anne, H. J. de L.)
Alien Property Custodian. (See Strutt, M. J. O., van der Ziel, and Bakker.)
Alland, Maurice, Los Angeles, Calif. Pocket cigarette-making machine. 2,352,999; July 4.
Allin, George S., assignor to Isaacson Iron Works, Seattle, Wash. Wheel equipped tractor. 2,352,593; July 4.
Alperin, Morton, Dayton, Ohio. Fluid flow indicating and measuring means. 2,352,607; July 4.
Aluminum Company of America. (See Stowe, Vernon M., assignor.)
Aluminum Company of America. (See Wood, Robert T., assignor.)
American Can Company. (See Morton, Wirt, and Magill, assignors.)
American Can Company. (See Tofanelli, Olinto J., assignor.)
American Car and Foundry Company. (See Kassler, Adolph, assignor.)
American Car and Foundry Company. (See Maulding, Arthur W., assignor.)
American Dairies Incorporated, et al. (See Graham, William R., Jr., assignor.)
American Electric Fusion Corporation. (See von Henke, Edmund J., assignor.)
American Optical Company. (See Canning, William P., assignor.)
American Optical Company. (See Riller, Joseph M., assignor.)
American Screw Company. (See Tomalis, Joseph J., assignor.)
American Steam Automobile Company. (See Anderson, A. G., and Derr, assignors.)
American Steel Foundries. (See Bachman, Fred E., assignor.)
Anchor Hocking Glass Corporation. (See Bell, William D., assignor.)
Andalikiewicz, Boley A., and D. T. Carlson, assignors to C. E. Hovey, trustee, Kansas City, Mo. Article testing machine. 2,352,880; July 4.
Anderson, Anton G., Arlington, and T. S. Derr, Newton, assignors of one-third to American Steam Automobile Company, Middlesex County, Mass. Artificial fog production. 2,352,677; July 4.
Anderson, Bror, Saltsjo-Duvnas, and H. Wängsjö, assignors to Aktiebolaget Asea Svetsmaskiner, Stockholm, Sweden. Joining workpieces by means of resistance welding. 2,352,754; July 4.
Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Method of and apparatus for generating arcuate raceways. 2,352,753; July 4.
Anderson, Philip P., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,352,930; July 4.

Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Adjustable chair. 2,352,678; July 4.
Anholt, Harry M., Denver, Colo. Ash tray. 2,352,756; July 4.
Annis, Howard R., Mount Holly, assignor to Arrow Safety Device Company, Medford, N. J. Illumination control means. 2,352,679; July 4.
Apex Electrical Manufacturing Company, The. (See Ehrenfeld, Ralph, assignor.)
Archer, Charles E., Birmingham, assignor to Ex-Cell-O Corporation, Detroit, Mich. Blank shaping fixture. 2,352,608; July 4.
Armbruster, John W., East Rockaway, assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,353,001; July 4.
Armbruster, John W., East Rockaway, assignor to International Business Machines Corporation, New York, N. Y. Dispensing and tabulating machine. 2,353,002; July 4.
Armbruster, John W., East Rockaway, assignor to International Business Machines Corporation, New York, N. Y. Record sensing device. 2,353,003; July 4.
Armitage, Lindley R., Enfield, England. Supply and delivery of liquid under pressure. 2,352,680; July 4.
Arnold, Hoffman & Co. Incorporated. (See McLeod, Earle D., assignor.)
Arrow Safety Device Company. (See Annis, Howard R., assignor.)
Atlas Engine Co. (See Petrilli, Harry E., assignor.)
Atwood Machine Company. (See Winslow, Albert E., assignor.)
August, Joseph, Jr., assignor to The Standard Oil Company, Cleveland, Ohio. Reclaiming of constituents from waste solutions containing sulphur, etc. 2,352,594; July 4.
Austin, Arthur O., near Barberton, Ohio, and L. W. Austin, near San Jose, Calif. Forming articles of plastic material. 2,353,000; July 4.
Austin, Kirby B., Bridgeport, Conn., assignor to General Electric Company. Frequency response control circuit. 2,352,931; July 4.
Austin, Leslie W. (See Austin, Arthur O. and L. W.)
Automatic Canteen Company of America. (See Richmond, William E., assignor.)
Automatic Control Corporation. (See Rennecamp, Clarence, assignor.)
"Automatic" Sprinkler Company of America. (See Rider, Harry N., assignor.)
Avigdor, Rifat, Toronto, Ontario. Mounting instruments in their casings. 2,352,881; July 4.
Avis, Harriette M., administratrix. (See Avis, Samuel W.)
Avis, Samuel W., deceased, by H. M. Avis, Wellesley, administratrix, assignor to The Reece Button Hole Machine Company, Boston, Mass. Button clamp. 2,352,681; July 4.
B. F. B. Engineers, Incorporated. (See Finch, Edgar L., assignor.)
Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,352,595; July 4.
Bakelite Corporation. (See Shannon, Harvey D., assignor.)
Bakker, Cornelis J. (See Strutt, M. J. O., van der Ziel, and Bakker.)
Baldwin Locomotive Works, The. (See Essl, Max, assignor.)
Barker, Gregson L., assignor to United Autographic Register Co., Chicago, Ill. Continuous-form stationery. 2,352,757; July 4.
Barnes, Carey O. (See Hazouri, J. S., and Barnes.)
Barrett, Elliott P., and James R. West, Pittsburgh, Pa. Adsorbent. 2,352,932; July 4.
Bartlett, Edwin S., and E. R. Eldridge, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Power driven clutch and shifter assembly. 2,352,596; July 4.
Bascom, Henry M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,353,004; July 4.
Bates, Sam J., East Point, Ga. Black-out device. 2,352,609; July 4.
Bauknecht, Harry F., Ridgewood, N. J. Aircraft inclination indicator. 2,352,758; July 4.
Baum, Jasper, Bronx, assignor to Sonotone Corporation, Elmsford, N. Y. Electrical battery. 2,352,759; July 4.
Baxter, Arthur E. (See Gueterbock, P. G. J., and Baxter.)
Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Electric discharge device and fabrication thereof. 2,352,933; July 4.

Behrent, Eric, East Rutherford, N. J., and E. F. Marresford, Baldwin, assignors to National Biscuit Company, New York, N. Y. Automatic packaging machine. 2,353,005; July 4.
Belcher, Clarence F. (See Lee, H. R., and Belcher.)
Bell Aircraft Corporation. (See La Sha, S. S., and Salisbury, assignors.)
Bell Aircraft Corporation. (See Trotter, John C., assignor.)
Bell, Richmond T., Deerfield, assignor to The Pure Oil Company, Chicago, Ill. Antiknock compound and motor fuel containing same. 2,352,760; July 4.
Bell Telephone Laboratories, Incorporated. (See Bascom, Henry M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Irwin, John C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kuntz, Frank A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mallina, Rudolph F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Marshall, Tola A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Soffel, Robert O., assignor.)
Bell, William D., Columbus, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for sealing containers. 2,352,761; July 4.
Bell, William D., Columbus, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for sealing containers. 2,352,762; July 4.
Bell, William D., Columbus, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for sealing containers. 2,352,763; July 4.
Bell, William D., Columbus, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Cap-feeding apparatus. 2,352,764; July 4.
Belokopytoff, Alexander J., New York, assignor to P. N. Robins, Scarsdale, N. Y. Machine for dyeing textile fabrics. 2,352,882; July 4.
Beltz, John S., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Drilling machine. 2,353,006; July 4.
Benjamin Electric Mfg. Company. (See Church, Eric H., assignor.)
Beutel, Carl, Detroit, Mich. Apparatus for musical instruction. 2,352,597; July 4.
Bierenfeld, Josef, Shorewood, Wis., and L. G. Maechtlen, San Marino, Calif., assignors to Square D Company, Detroit, Mich. Electric switch. 2,352,765; July 4.
Billington, Emil J., assignor to Union Special Machine Company, Chicago, Ill. Rotary hook for sewing machines. 2,352,598; July 4.
Blackman, Edward L., Greenwich, Conn. Sailing vessel. 2,353,007; July 4.
Blanding, Joseph E., New London, assignor of forty-nine per cent to P. B. McNamara, Groton, Conn. Oil fuel feed device. 2,352,682; July 4.
Blessing, Harry A. (See Liebmann, August G., assignor.)
Bloom, Samuel, Dorchester, Mass. Ice skate. 2,352,599; July 4.
Blosser, Herman G. (See Staples, C. E., and Blosser.)
Bodin, George, assignor to Goodman Manufacturing Company, Chicago, Ill. Slack or cuttings removing attachment for kerf-cutting machines. 2,352,683; July 4.
Bogue, Walter H., East Orange, N. J. Paper box. 2,352,766; July 4.
Bohannan, Robert S., assignor to Toledo Scale Company, Toledo, Ohio. Hydraulic force transmission. 2,352,934; July 4.
Bohannan, Robert S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,352,935; July 4.
Bolley, Don S., Brooklyn, assignor to National Lead Company, New York, N. Y. Production and purification of fatty oils. 2,352,883; July 4.
Bondeson, Herman A., Providence, assignor to Standard Machinery Company, Cranston, R. I. Applying metal bands to articles of manufacture. 2,353,008; July 4.
Bonilla, Saturnino T., New York, N. Y. Eye cup. 2,352,610; July 4.
Booth, George M., Westfield, and M. H. Cubberley, assignors to Wallace & Tiernan Co. Inc., Belleville, N. J. Diffuser-circulator. 2,352,767; July 4.
Borg-Warner Corporation. (See Anderson, Edmund B., assignor.)
Borg-Warner Corporation. (See Dodge, Adiel Y., assignor.)
Bowers, Roy L. (See Lauer, C. J., Bowers, and Forshee.)
Bowers, William W., assignor to Wilson & Co. Inc., Chicago, Ill. Preparing meat products. 2,352,611; July 4.
Boyd, George S., East Cleveland, Ohio. Machine center. 2,353,009; July 4.
Boynton, Alexander, San Antonio, Tex. Bottom hole regulator and choke in combination. 2,352,612; July 4.
Brackett, George E., San Mateo, Calif. Extension jack. 2,352,600; July 4.
Bradbury, William T., Millersport, assignor to Newark Stove Company, Newark, Ohio. Oven broiler. 2,352,613; July 4.
Braddock, John S., Grand Rapids, Mich. Serving plate. 2,352,684; July 4.
Bratton, Wilson T. (See da Roza, F. G., and Bratton.)
Brend, William R., assignor to Lock Joint Pipe Company, East Orange, N. J. Pipe lining apparatus. 2,352,768; July 4.
Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)
Brinker, Elizabeth M. (See Brinker, Joseph M., assignor.)
Brinker, Joseph M., assignor of one-half to M. Podgurski, Baltimore, Md. Welding rod box. 2,352,685; July 4.
Brinker, Joseph M., assignor to E. M. Brinker, Washington, D. C. Corrugated sheet metal building construction. 2,352,884; July 4.
Briskman, Samuel. (See Weidauer, Curtis, assignor.)
Broadbooks, Byron B., McPherson, Kans., assignor to A. B. Chance Company, Centralia, Mo. Tool for high-tension lines. 2,352,686; July 4.
Brown, Enoch N., Brockton, Mass., assignor to Lentheric, Incorporated, New York, N. Y. Shaving stick. 2,352,769; July 4.
Brown, Fred O. C., Grand Rapids, Mich. Safety sleeve. 2,352,614; July 4.
Brush Development Company, The. (See Shapiro, Harry B., assignor.)
Bryant Electric Company, The. (See Hodgkins, Charles H., assignor.)
Bryant, Frank D., Syracuse, N. Y., assignor to General Electric Company. Operating system for discharge lamps. 2,352,936; July 4.
Buckmaster, James L., Arlington, Va. Transfer method and instrument. 2,352,615; July 4.
Budd, Edward G., Manufacturing Company. (See Weightman, William A., assignor.)
Bukowsky, Harry E., Port Townsend, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Load-positioning means. 2,352,885; July 4.
Burgess-Manning Company. (See Hoyle, Robert L., assignor.)
Burke, Arnold C., Toronto, Ontario, Canada. Frame for processing photographic negatives. 2,352,601; July 4.
Buxbaum, Edwin C., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the anthraquinone series. 2,353,010; July 4.
Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Refining fat-soluble vitamin-containing materials. 2,353,011; July 4.
Byron Jackson Co. (See Codner, Edwin F., assignor.)
Callahan, John L., Malverne, N. Y., assignor to Radio Corporation of America. Phasing device for synchronous telegraph systems. 2,352,688; July 4.
Camp, Thomas P., Arlington Heights, assignor to United Stats Gypsum Company, Chicago, Ill. Plasterboard nail. 2,353,110; July 4.
Canning, William P., assignor to American Optical Company, Southbridge, Mass. Lens holder. 2,352,616; July 4.
Carbide and Carbon Chemicals Corporation. (See Toussaint, W. J., and MacDowell, assignors.)
Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Gear-cutting machine. 2,352,689; July 4.
Carlson, Drexel T. (See Andalikiewicz, B. A., and Carlson.)
Carnegie-Illinois Steel Corporation. (See Greulich, Gerald G., assignor.)
Carter Carburetor Corporation. (See Lannert, Kenneth, assignor.)
Case, Edward B., St. Louis, Mo. Bias-cutting machine. 2,352,937; July 4.
Caughey, John M., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Seat cushion. 2,352,938; July 4.
Celanese Corporation of America. (See Whitehead, William, assignor.)
Chance, A. B., Company. (See Broadbooks, Byron B., assignor.)
Cheney, Harold W., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Chicago, Ill. Removable sanitary pipe coupling. 2,353,012; July 4.
Cherry-Burrell Corporation. (See Cheney, Harold W., assignor.)
Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reserve shuttle control for shuttle changing looms. 2,352,770; July 4.
Chicago Flexible Shaft Company. (See Bartlett, E. S., and Eldridge, assignors.)
Chicago Flexible Shaft Company. (See Molnar, Charles L., assignor.)
Church, Eric H., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Electric horn. 2,352,602; July 4.
Cities Service Oil Company. (See Workman, Arnold R., assignor.)
Clark, Charles H., assignor, by mesne assignments, of one-half to P. F. Schumacher, San Francisco, Calif. Folding and nonfolding marine craft. 2,353,013; July 4.
Clark, Emma A., Portland, Oreg. Maternity dress 2,352,886; July 4.
Clausing, George, Portsmouth, Ohio, assignor to Vulcan Corporation. Machine for smoothing surfaces. 2,352,690; July 4.
Clausing, Henry and W., assignors to Vulcan Corporation, Portsmouth, Ohio. Apparatus for transcribing last contours. 2,352,695; July 4.
Clausing, Walter. (See Clausing, Henry and W.)
Clayton Manufacturing Company. (See Griswold, Donald G., assignor.)
Cockrill, William T., and T. J. Duncan, Flint, Mich. Electrode holder. 2,352,939; July 4.

Coder, John M. (See Cowan, E. G., and Coder.)
Codner, Edwin F., Ventura, assignor to Byron Jackson Co., Huntington Park, Calif. Tong guard. 2,352,603; July 4.
Cohen, Morris, Kansas City, Mo., and D. W. Enoch, G. Hasty, and G. A. Jorgenson, Chicago, Ill., assignors to Inter-state Bakeries Corporation, Kansas City, Mo. Treating dough. 2,352,617; July 4.
Cole, Herbert. (See Sell, H. A., and Cole.)
Coleman, Roy E., Chicago, Ill., assignor to Time Incorporated. Preparing zein solutions directly from gluten. 2,352,604; July 4.
Coley, Nelson B. (See Webster, O. B., and Coley.)
Colley, George A. (See Hammond, J. H., Jr., and Colley.)
Colonial Broach Company. (See Welte, B., and Gotberg, assignors.)
Conboie, Joseph A., San Francisco, Calif. Ventilator. 2,352,821; July 4.
Consolidated Packaging Machinery Corporation. (See Gantzer, Howard E., assignor.)
Consolidated Water Power & Paper Company. (See Richmond, H. B., and Dickerman, assignors.)
Continental Can Company. (See Schrader, Herbert, assignor.)
Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Fluorescent lamp starting and controlling apparatus. 2,352,940; July 4.
Cooper, Paul. (See Shelmire, S. R., and Cooper.)
Cordle, Cornell H. (See Alexander, H. B., and Cordle.)
Core Laboratories, Inc. (See Kelton, Frank C., Jr., assignor.)
Cornell-Dubilier Electric Corporation. (See Weiss, Felix, assignor.)
Corning Glass Works. (See Jackson, John K., assignor.)
Corning Glass Works. (See Kell, Raymond W., assignor.)
Cowan, Elmer G., and J. M. Coder, Claysburg, assignors to General Refractories Company, Philadelphia, Pa. Drop-mud method of and apparatus for molding brick. 2,352,771; July 4.
Crane Co. (See Newton, Norman B., assignor.)
Crompton & Knowles Loom Works. (See Chevrette, Augustin J., assignor.)
Crooks, Harry M., Jr. (See Marker, R. E., Crooks, and Wittle.)
Crooks, Ralph K., Clearfield, assignor to The Union Switch and Signal Company, Swissvale, Pa. Receiving apparatus for train control systems. 2,352,687; July 4.
Crowell-Collier Publishing Company, The. (See Lundbye, Axel E., assignor.)
Crown Zellerbach Corporation. (See Bukowsky, Harry E., assignor.)
Cubberley, Mitchel H. (See Booth, G. M., and Cubberley.)
Curtis, David, New York, N. Y. Anesthetic compound and preparation. 2,352,691; July 4.
Curtis Pump Company. (See Curtis, William H., assignor.)
Curtis, William H., assignor to Curtis Pump Company, Dayton, Ohio. Offset rotor vane pump. 2,352,941; July 4.
Daenz, William A., assignor to H. H. Eby, Inc., Philadelphia, Pa. Plug-in socket device. 2,352,618; July 4.
D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Triazole derivatives. 2,352,944; July 4.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Reaction products of aldehydes and triazine derivatives. 2,352,942; July 4.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Reaction product of aldehydes and diazine derivatives. 2,352,943; July 4.
D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Diazine derivatives. 2,352,945; July 4.
Dann, Joseph A., Milwaukee, Wis. Automatically operable safety landing switch for airplanes. 2,352,692; July 4.
Darby, George M., Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y. Treatment of impure liquids. 2,352,772; July 4.
Da Roza, Francis G., Ferndale, and W. T. Bratton, assignors to General Motors Corporation, Detroit, Mich. Control means. 2,353,014; July 4.
Daughenbaugh, Paul J., Wrightstown, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Physiologically active substance. 2,353,016; July 4.
Daugherty, George, Imperial, Calif. Fence stretcher. 2,352,694; July 4.
Davidson, Arthur C., Chicago, Ill. Railway truck. 2,352,693; July 4.
Davidson, Samuel L., Rutherford, N. J., assignor to The New York Central Railroad Company. Endgate lock for freight cars. 2,352,887; July 4.
Davis, Ernest W., River Forest, Ill. Coating device. 2,352,773; July 4.
Davis, Gifford D. (See Robinson, E. A., and Davis.)
Davis, John I., and H. B. Saunders, assignors to Galvin Manufacturing Corporation, Chicago, Ill. Radio receiver system. 2,353,111; July 4.
Davis, Walwin L., Avon, assignor to E. D. McCurdy, Cleveland, Ohio, as trustee. Rotary pump. 2,353,015; July 4.
De Boer, Kornelis, and J. F. Schouten, Eindhoven, Netherlands; vested in the Alien Property Custodian. Device for the stereophonic registration, transmission, and reproduction of sounds. 2,352,696; July 4.
Denton, Malcolm G., Arbutus, Md. Cargo deck lashing. 2,353,017; July 4.
Dermond, Lawrence C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starter control system. 2,352,774; July 4.
Derr, Thomas S. (See Anderson, A. G., and Derr.)
Dessauer, John, Irondequoit, assignor to The Haloid Company, Rochester, N. Y. Photographic coating. 2,352,822; July 4.
Dettloff, William P., Detroit, Mich. Keyway grinding tool. 2,352,888; July 4.
Deutsch, Friedrich. (See Freund, E., and Deutsch.)
De Walt Products Corporation. (See Schutz, Ewald, assignor.)
Dickerman, Gilbert K. (See Richmond, H. B., and Dickerman.)
Dickey, Albert W. (See Haglund, H. H., Dickey, and Newman.)
Diehm, Robert A. (See Thomas, J. J., Diehm, and Somerville.)
Dittmer, Joseph C., St. Albans, assignor to National Lead Company, New York, N. Y. Generation of gaseous CO_2. 2,352,775; July 4.
Dittrich, Alex E., Maywood, N. J., assignor to The Linde Air Products Company. Jig for welding structural shapes. 2,352,697; July 4.
Doane, William A., Waverly, N. Y. Lifting mechanism for plows. 2,352,946; July 4.
Dodge, Adiel Y., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Constant velocity universal joint. 2,352,776; July 4.
Dominguez Agurcia, Roberto, Comayaguela, D. C., Honduras. Music leaf turner. 2,352,605; July 4, 1944.
Dorr Company, The. (See Darby, George M., assignor.)
Douden, William L., Philadelphia, Pa., assignor to Radio Corporation of America. Range finder. 2,352,777; July 4.
Dough-King, Inc. (See Gardner, Stephen A., assignor.)
Drake, Edward P. (See Ryan, C. D., and Drake.)
Draper Corporation. (See Repass, James E., assignor.)
Drescher, Ernest W., Township of Manheim, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Chronometer watch case. 2,352,889; July 4.
Duke, Vernon J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Television apparatus. 2,353,018; July 4.
Dunbar, Ralph E., East Cleveland, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Vacuum cleaner fan shaft seal. 2,352,947; July 4.
Duncan, Thomas J. (See Cockrill, W. T., and Duncan.)
Du Pont, E. I., de Nemours & Company. (See Buxbaum, Edwin C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Gilbert, Harvey N., assignor.)
Du Pont, E. I., de Nemours & Company. (See Klein, David X., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lee, H. R., and Belcher, assignors.)
Du Pont, E. I., de Nemours & Company. (See Markwood, William H., Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Walker, Joseph F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wuertz, A. J., and Klein, assignors.)
Dyer, Colver P., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Etching steel. 2,353,019; July 4.
Dyer, William J. H., Providence, R. I. Boat hull. 2,353,020; July 4.
Eaton, James T., Wyncote, and P. W. Volk, assignors to E. F. Houghton and Co., Philadelphia, Pa. Preparing a sulphonated product. 2,352,698; July 4.
Eby, Hugh H., Inc. (See Daenz, William A., assignor.)
Eddy, William C., Michigan City, Ind. Control mechanism for sound reproducing apparatus. 2,352,778; July 4.
Edgar, Robert F., Patternsonville, N. Y., assignor to General Electric Company. Electromagnetic device. 2,352,948; July 4.
Edison, Thomas A., Incorporated. (See Gardenier, Clyde B., assignor.)
Edwards, Martin A., Scotia, N. Y., assignor to General Electric Company. Electrical system. 2,352,620; July 4.
Ehrenfeld, Ralph, Euclid, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Motor testing apparatus. 2,352,779; July 4.
Ehrlich, Samuel D. (See McNatt, J. D., and Ehrlich.)
Eldridge, Ernest R. (See Bartlett, E. S., and Eldridge.)
Electric Vacuum Cleaner Company. (See Dunbar, Ralph E., assignor.)
Ellinwood, Herman R., assignor to Adel Precision Products Corp., Burbank, Calif. Universal support for conduits. 2,352,823; July 4.
Ennis, Earl, San Francisco, Calif. Work holder. 2,352,699; July 4.
Enoch, Duard W. (See Cohen, M., Enoch, Hasty, and Jorgenson.)

Essl, Max, Swarthmore, Pa., assignor to The Baldwin Locomotive Works. Internal-combustion engine. 2,352,824; July 4.
Evans Case Company. (See Hickman, Darold B., assignor.)
Ex-Cell-O Corporation. (See Archer, Charles E., assignor.)
Ex-Cell-O Corporation. (See Snader, Ira J., assignor.)
Falconer Plate Glass Corporation. (See Turner, Richard H., assignor.)
Falge, Robert N. (See Roedding, G. E., and Falge.)
Fanés, Juan F., Mexico City, Mexico. Self-automatic mechanical jack. 2,353,021; July 4.
Fay, Charles H., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Seismograph amplification gain control. 2,352,825; July 4.
Federal Telephone & Radio Corporation. (See Kotterman, Chester A., assignor.)
Ferris, Auttie T., Flora, Ill., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Open hole removable packer. 2,352,700; July 4.
Finch, Edgar L., Glendale, Calif., assignor to B. F. B. Engineers, Incorporated. Pneumatic tool lubricator. 2,352,826; July 4.
Fischer, Erich, Bad Soden in Taunus, W. Kirst, Konigstein in Taunus, and W. Gmelin, Bad Soden in Taunus, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Producing fast dyeings and the dyed fiber obtained thereby. 2,352,701; July 4.
Fisher, Charles B., Montoursville, Pa. Ice creeper. 2,352,827; July 4.
Fisher, Edwin J. (See Fletcher, E., and Fisher.)
Fitz Gerald, John F., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,352,828; July 4.
Fletcher, Ed, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Winding apparatus. 2,352,780; July 4.
Fletcher, Ed, Newark, and E. J. Fisher, Millersport, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Traversing apparatus. 2,352,781; July 4.
Folberth, Frederick G. and W. M., Cleveland, Ohio. Motor. 2,353,022; July 4.
Folberth, William M. (See Folberth, Frederick G., and W. M.)
Forbes, Joseph A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel and brake assembly. 2,352,829; July 4.
Ford, George E., assignor to Rochester Manufacturing Co., Inc., Rochester, N. Y. Signal mechanism. 2,352,830; July 4.
Foreman, Bertha, Harlowton, Mont. Combined writing paper and envelope. 2,352,890; July 4.
Forshee, Kent. (See Lauer, C. J., Mowers, and Forshee.)
Fowles, Gilbert L., Lakewood, and C. J. Nocar, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Partition construction. 2,352,702; July 4.
Fox, Jacob L., et al., trustee. (See Sell, H. A., and Cole, assignors.)
Frankel, Wm. Walter, et al., trustee. (See Sell, H. A., and Cole, assignors.)
Franklin Glass Corporation. (See Pasquier, Arthur L., assignor.)
Freeman, Benjamin W., Cincinnati, Ohio. Ornamenting machine. 2,352,831; July 4.
Freund, Ernest, New York, N. Y., and F. Deutsch, Rechoboth, Palestine. Treatment of cellulose acetate films. 2,353,023; July 4.
Fries, Jacob, Jr., Chicago, Ill. Expander. 2,352,703; July 4.
Frohring, William O., Cleveland Heights, Ohio. Voltage control means. 2,352,621; July 4.
Gainsley, Sheldon H., Minneapolis, Minn. Toy. 2,352,676; July 4.
Galvin Manufacturing Corporation. (See Davis, J. I., and Saunders, assignors.)
Gantzer, Howard E., Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation. Container handling apparatus. 2,352,949; July 4.
Gardenier, Clyde B., Belleville, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Trimethylene chlorbromide. 2,352,782; July 4.
Gardner, Stephen A., assignor to Dough-King, Inc., Minneapolis, Minn. Doughnut machine. 2,353,024; July 4.
Garner, Edward Greet, Birmingham, assignor to Serck Radiators Limited, Birmingham, England. Oil cooler. 2,352,704; July 4.
Garr, Donald E., Schenectady, N. Y., assignor to General Electric Company, Electrical system. 2,352,619; July 4.
Garvey, Benjamin S., and D. E. Henderson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Composite article. 2,352,705; July 4.
Gates, Charles W., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Antioxidant. 2,352,950; July 4.
Gaumer, George K., assignor to Northwestern Steel & Wire Company, Sterling, Ill. Counter assembly for wire products machines. 2,352,622; July 4.
Gaumer, George K., assignor to Northwestern Steel and Wire Company, Sterling, Ill. Bundler and discharge assembly for wire products machines. 2,352,623; July 4.
Gautreaux, Jeanne, Houston, Tex. Dressing mask. 2,353,025; July 4.
Geer, Russell L., Grand Island, Nebr. Demountable form for poured concrete. 2,352,783; July 4.
General Aniline & Film Corporation. (See Fischer, E., Kirst, and Gmelin, assignors.)
General Aniline & Film Corporation. (See Love, Robert F., assignor.)
General Aniline & Film Corporation. (See Trump, Frederick O., assignor.)
General Aniline & Film Corporation. (See Zerweck, W., and Heinrich, assignors.)
General Bronze Corporation. (See Peremi, E., and Toth, assignors.)
General Electric Company. (See Austin, Kirby B., assignor.)
General Electric Company. (See Beggs, James E., assignor.)
General Electric Company. (See Bryant, Frank D., assignor.)
General Electric Company. (See Cook, Leonard W., assignor.)
General Electric Company. (See D'Alelio, Gaetano F., assignor.)
General Electric Company. (See D'Alelio, G. F., and Underwood, assignors.)
General Electric Company. (See Edgar, Robert F., assignor.)
General Electric Company. (See Edwards, Martin A., assignor.)
General Electric Company. (See Garr, Donald E., assignor.)
General Electric Company. (See Mendelsohn, Lewis I., assignor.)
General Electric Company. (See Rochow, Eugene G., assignor.)
General Electric Company. (See Schaefer, Vincent J., assignor.)
General Electric Company. (See Scheldorf, Marvel W., assignor.)
General Electric Company. (See Walle, Ludwig S., assignor.)
General Electric Company. (See Warrington, Albert R. van C., assignor.)
General Electric Company. (See Wilcox, James F., assignor.)
General Fibre Box Company. (See Morgan, James J. assignor.)
General Motors Corporation. (See da Roza, F. G., and Bratton, assignors.)
General Motors Corporation. (See Dermond, Lawrence C., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Lauer, C. J., Bowers, and Forshee, assignors.)
General Motors Corporation. (See Rice, Ira A., assignor.)
General Motors Corporation. (See Roedding, G. E., and Falge, assignors.)
General Railway Signal Company. (See Webster, O. B., and Coley, assignors.)
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
General Refractories Company. (See Cowan, E. G., and Coder, assignors.)
General Timber Service, Inc. (See MacKenzie, Neal T., assignor.)
Geria, Andrew, Ridgefield, Conn. Chemically heated liquid container. 2,352,951; July 4.
Getz, Delmond L. (See Scholl, C., and Getz.)
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Fluid seal. 2,352,784; July 4.
Gilbert, Harvey N., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal-cleaning process and composition. 2,353,026; July 4.
Gillette Safety Razor Company. (See Gustafson, Henry A., assignor.)
Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)
Gleason Works. (See Carlsen, Leonard O., assignor.)
Glynn, Edwin A. (See Kuster, W. H., and Glynn.)
Gmelin, Walter. (See Fischer, E., Kirst, and Gmelin.)
Goldsborough, John B., Croton on Hudson, assignor to Underpinning & Foundation Company, Inc., New York, N. Y. Filter bed cleaning. 2,352,624; July 4.
Goldthwait, Charles F., New Orleans, La., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Cotton yarn for water-pressure hose. 2,352,707; July 4.
Gollonder, Mathilde, etal. (See Hart, Joseph J., assignor.)
Goodman Manufacturing Company. (See Bodin, George, assignor.)
Goodman Manufacturing Company. (See McCullough, William T., assignor.)
Goodrich, B. F., Company, The. (See Garvey, B. S., and Henderson, assignors.)
Goodrich, B. F., Company, The. (See Juve, Arthur E., assignor.)
Goodrich, B. F., Company. (See Kung, Frederick E., assignor.)

Goodrich, B. F., Company, The. (See Leguillon, C. W., and Krotz, assignors.)
Goodwin, Henry S., East Bound Brook, N. J., assignor to Standard Oil Development Company. Bituminous road pavement. 2,353,027; July 4.
Gotberg, Harry H. (See Welte, B., and Gotberg.)
Gottschalk, Lionel J., New Orleans, La. Changeable exhibitor. 2,353,028; July 4.
Grabau, William C., Brighton, assignor to Submarine Signal Company, Boston, Mass. Motor speed regulator. 2,352,626; July 4.
Graham, William R., Jr., Kansas City, Kans., assignor to American Dairies Incorporated, Kansas City, Mo., and the Quaker Oats Company, Chicago, Ill. Preserving organic materials. 2,353,029; July 4.
Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fluid dispensing system. 2,352,627; July 4.
Graves, William A., Lomita, Calif. Internal combustion engine. 2,352,891; July 4.
Green, Emmet M., Los Angeles, Calif. Threaded fastener. 2,353,030; July 4.
Greulich, Gerald G., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Portable deck. 2,352,892; July 4.
Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Valve. 2,352,628; July 4.
Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Fluid distribution and control apparatus. 2,352,629; July 4.
Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Liquid level control apparatus. 2,352,630; July 4.
Gruenke, Aloys P., St. Paul, Minn., and B. E. Stair, Sioux Falls, S. Dak. Waffle iron. 2,352,706; July 4.
Guarnieri, Edward, Trenton, N. J. Knee action fishing tackle. 2,352,631; July 4.
Gueterbock, Paul G. J., Abbots Leigh, near Bristol, and A. E. Baxter, assignors to Capper Pass & Son Limited, Bristol, England. Refining lead. 2,352,625; July 4.
Gulberson Corporation, The. (See Taylor, Raymond G., Jr., assignor.)
Guignon, Emile S., Jr. (See Sheldon, Ralph O., assignor.)
Gunderson, Norris E., assignor to Layne-Northern Company, Incorporated, Mishawaka, Ind. Method for preventing deposits within water formations and on well screens. 2,352,832; July 4.
Gustafson, Henry A., Dorchester, assignor to Gillette Safety Razor Company, Boston, Mass. Protected open-end blade. 2,352,785; July 4.
H. K. Metal Craft Manufacturing Co. (See Hopp, H. P., and Kunzelman, assignors.)
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Company, Flemington, N. J. Shoe sewing machine and driving and stopping mechanism therefor. 2,352,708; July 4.
Haase, Carl O., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for annealing articles. 2,352,709; July 4.
Haglund, Hakon H., New York, N. Y., A. W. Dickey, Madison, N. J., and T. A. Newman, Rego Park, assignors to The Western Union Telegraph Company, New York, N. Y. Code converter. 2,352,952; July 4.
Haight, Norman L., assignor to Sperry Products, Inc., Hoboken, N. J. Strain gauge. 2,352,953; July 4.
Halliburton Oil Well Cementing Company. (See Ferris, Auttie T., assignor.)
Halliburton Oil Well Cementing Company. (See Stoddard, Albert D., assignor.)
Haloid Company, The. (See Dessauer, John, assignor.)
Hamilton, Francis E. (See Lake, C. D., and Hamilton.)
Hamilton Watch Company. (See Drescher, Ernest W., assignor.)
Hammond, John Hays, Jr., Gloucester, and G. A. Colley, Newton Center, Mass.; said Colley assignor to said Hammond, Jr. Variable pitch propeller control. 2,352,786; July 4.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Cooling of vacuum devices. 2,352,893; July 4.
Harley, Clifford B., Herne Hill, London, assignor of one-half to Robert Powley & Sons Limited, Sunderland, England. Apparatus for sterilizing the interiors of empty vessels. 2,352,787; July 4.
Harmon, Kenneth A., and S. K. Smart, Longmeadow, assignors to Wico Electric Company, West Springfield, Mass. Magneto. 2,352,894; July 4.
Hart, Joseph J., et al. (See Hart, Joseph J., assignor.)
Hart, Joseph J., assignor to J. J. Hart and M. Gollonder, New York, N. Y., a copartnership doing business as Albumatic Company. Phonograph record ejecting holder. 2,352,710; July 4.
Hartline, Ralph E., Swissvale, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Fluid pump. 2,353,031; July 4.
Hasenberg, Werner, Rio de Janeiro, Brazil. Communication system. 2,352,711; July 4.
Hassler, Gerald L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Choke valve borehole indicating system. 2,352,833; July 4.
Hassler, Gerald L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Adjusting flow rates of fluids through formations traversed by boreholes. 2,352,834; July 4.
Hasty, George. (See Cohen, M., Enoch, Hasty, and Jorgenson.)
Hauserman, E. F., Company, The. (See Fowles, G. L., and Nocar, assignors.)
Hayes, Samuel T., assignor of one-half to W. C. Waldby, Kakima, Wash. Figure toy. 2,352,895; July 4.
Hazourl, Jack S., and C. O. Barnes, Jacksonville, Fla. Double-jawed work gripping and handling clamp. 2,353,032; July 4.
Heckett, Eric H., Titusville, Pa. Recovery and use of scrap steel. 2,352,717; July 4.
Heinrich, Ernst. (See Zerweck, W., and Heinrich.)
Helbush, Herman H. (See Lipp, Elmer L., assignor.)
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Airplane testing apparatus. 2,353,033; July 4.
Henderson, Donald E. (See Garvey, B. S., and Henderson.)
Hercules Powder Company. (See Alexander, H. B., and Cordle, assignors.)
Hertel, Kenneth L., assignor to University of Tennessee Research Corporation, Knoxville, Tenn. Apparatus for and method of determining physical properties of porous material. 2,352,835; July 4.
Hertel, Kenneth L., assignor to University of Tennessee Research Corporation, Knoxville, Tenn. Method of and apparatus for determining physical properties of porous compressible materials. 2,352,836; July 4.
Hetherington, Robert, Sharon Hill, Pa. Motor-operated cloth guider. 2,352,896; July 4.
Heyman, Irene K. (See Heyman, Moses D., assignor.)
Heyman, Moses D., assignor of one-half to I. K. Heyman, Cedarhurst, N. Y. Transfer arm. 2,352,632; July 4.
Hibbard, Donald L. (See Linderman, G. B., Jr., and Hibbard.)
Hickman, Darold B., assignor to Evans Case Company, North Attleboro, Mass. Lighter. 2,352,897; July 4.
Higson, Percy R., Sidcup, assignor to Vickers-Armstrongs Limited, London, England. Cartridge belt for automatic guns or machine guns. 2,352,954; July 4.
Hill, Henry C., Montclair, N. J., assignor to Wright Aeronautical Corporation. Engine breather valve. 2,352,898; July 4.
Hillenbrand, William A., Franklin County, assignor to Hill-Rom Company, Inc., Batesville, Ind. Over-bed table attachment. 2,352,837; July 4.
Hill-Rom Company. (See Hillenbrand, William A., assignor.)
Hinds, Carl R., Sioux City, Iowa. Mud hook. 2,352,788; July 4.
Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)
Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Fluorescent lamp starter. 2,352,713; July 4.
Hoe, R., & Co. (See Larocca, Vincent, assignor.)
Holm, Carl B., Englewood, N. J., assignor to International Braid Company. Display package. 2,352,633; July 4.
Holophane Company. (See Rolph, Thomas W., assignor.)
Holt, Albert C., Oradell, N. J., assignor to International Business Machines Corporation, New York, N. Y. Perforating apparatus. 2,353,034; July 4.
Hopp, Harold P., Englewood, N. J., and E. Kunzelman, Mount Vernon, assignors to H. K. Metal Craft Manufacting Co., New York, N. Y. Chain ladder. 2,353,035; July 4.
Hotels Statler Company. (See Margulies, Walter P., assignor.)
Houghton, E. F., and Co. (See Eaton, J. T., and Volk, assignors.)
Hovey, C. Earl, trustee. (See Andaliklewicz, B. A., and Carlson, assignors.)
Hoyle, Robert L., assignor, by mesne assignments, to Burgess-Manning Company, Chicago, Ill. Manifold. 2,353,036; July 4.
Hull, Maury I., Memphis, Tenn. Signaling system. 2,352,634; July 4.
Hurley, Elmer D., Memphis, Tenn. Precision scale. 2,352,838; July 4.
Huyssen, Prescott S., Glendale, Calif. Wall panel. 2,352,714; July 4.
Ibach, Gerald A., Phillips, Tex., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,352,789; July 4.
Industrial Rayon Corporation. (See Tarbox, John P., assignor.)
Interchemical Corporation. (See Swain, Raymond A., assignor.)
International Braid Company. (See Holm, Carl B., assignor.)
International Business Machines Corporation. (See Armbruster, John W., assignor.)
International Business Machines Corporation. See Holt, Albert C., assignor.)
International Business Machines Corporation. (See Lake, C. D., and Hamilton, assignors.)
International Business Machines Corporation. (See Mills, Albert W., assignor.)
International Business Machines Corporation. (See Oldenboom, Derk J., assignor.)
International Business Machines Corporation. (See Roth, Robert I., assignor.)
International Business Machines Corporation. (See Von Reppert, Richard, assignor.)
Interstate Bakeries Corporation. (See Cohen, M., Enoch, Hasty, and Jorgenson, assignors.)
Iowa Manufacturing Company. (See Pollitz, Harold C., assignor.)
Irwin, John C., Roosevelt, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,352,635; July 4.
Irwin, William R., assignor of one-half to J. F. Termeer, New York, N. Y. Puzzle. 2,353,037; July 4.
Isaacson Iron Works. (See Allin, George S., assignor.)
Jackman, Elmer F., Lakewood, Ohio, assignor to G. V. Woodling and E. F. Jackman, as co-trustees. Fluid seal and means for cooling same. 2,352,636; July 4.
Jackson, John K., assignor to Corning Glass Works, Corning, N. Y. Clarification and cooling of fluids. 2,353,038; July 4.
Jacobson, James H. (See Westcott, Clifford H., assignor.)
Jalbert, Adrien L., Haverhill, and E. Quinn, Saugus, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Insole. 2,352,715; July 4.
Jameson, Robert M. (See Johnston, E. C., Russell, and Jameson.)
Janiszewski, Tadeusz, New York, N. Y. Basic joint and bar for building structures. 2,353,039; July 4.
Jasco, Incorporated. (See Jones, M. C. J., and Wells, assignors.)
Jeffrey Manufacturing Company, The. (See Beltz, John S., assignor.)
Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
Jeffrey Manufacturing Company, The. (See Patterson, Harry R., assignor.)
Johnson, Clarence L., Burbank, Calif. Angle of attack indicator. 2,352,955; July 4.
Johnson, Robert A., Company. (See Johnston, E. C., Russell, and Jameson, assignors.)
Johnston, Edward C., N. J. Russell, and R. M. Jameson, assignors to Robert A. Johnston Company, Milwaukee, Wis. Apparatus for enrobing confections with chocolate. 2,352,839; July 4.
Jones, Lloyd T., Berkeley, Calif., assignor to The Linde Air Products Company. Welding. 2,352,716; July 4.
Jones, Minor C. J., Westfield, and A. A. Wells, Roselle Park, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Recovery of styrene. 2,353,040; July 4.
Jordan, Donald J., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Air intake scoop. 2,352,790; July 4.
Jorgenson, Gerald A. (See Cohen, M., Enoch, Hasty, and Jorgenson.)
Juve, Arthur E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composite article. 2,352,637; July 4.
Karlson, Karl R., Montclair, N. J., assignor to Union Bag & Paper Corporation, New York, N. Y. Sealing head and machine. 2,352,899; July 4.
Karlsson, Per H., Wellsville, N. Y., assignor to The Air Preheater Corporation. Air preheater mounting. 2,352,717; July 4.
Kassler, Adolph, assignor to American Car and Foundry Company, New York, N. Y. Draft gear back stop and center filler. 2,352,718; July 4.
Kell, Raymond W., Charleroi, Pa., assignor to Corning Glass Works, Corning, N. Y. Forming glass articles. 2,352,957; July 4.
Kelsey-Hayes Wheel Company. (See Forbes, Joseph A., assignor.)
Kelton, Frank C., Jr., assignor to Core Laboratories, Inc., Dallas, Tex. Connate water determination. 2,352,638; July 4.
Kessler Chemical Co. (See Wasum, Ludwig W., assignor.)
Kincaid, Horace L., Tuscaloosa, Ala., assignor to Kincaid Kottentex Manufacturing Company, Inc. Composition board. 2,352,900; July 4.
Kincaid Kottentex Manufacturing Company. (See Kincaid, Horace L., assignor.)
King, Andrew, Narberth, Pa. Folding microscope. 2,352,719; July 4.
Kinish, Arthur R., Detroit, Mich. Window or door stop. 2,352,639; July 4.
Kinkaid, J. H. (See Stoltz, Edgar J., assignor.)
Kirst, Werner. (See Fischer, E., Kirst, and Gmelin.)
Kittleson, Allen R. (See Slotterbeck, O. C., and Kittleson.)
Klein, David X. (See Wuertz, A. J., and Klein.)
Klein, David X., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,353,041; July 4.
Klein, William I., East Orange, assignor to Medford Engineering Co., Medford, N. J. Apparatus for treating water. 2,352,901; July 4.
Kleintop, Harold E., Parkesburg, assignor to Korb-Pettit Wire Fabrics & Iron Works, Inc., Philadelphia, Pa. Conveyer system. 2,352,840; July 4.
Klumb, Stanley G., Milwaukee, Wis. Gaseous discharge tube. 2,352,841; July 4.
Knowlton, Cutler D., Rockport, assignor to Hoague-Sprague Corporation, Lynn, Mass. Gluing mechanism for box-making machines. 2,352,720; July 4.
Koch, Albert H., Atlanta, Ga., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,353,042; July 4.
Korb-Pettit Wire Fabrics & Iron Works, Inc. (See Kleintop, Harold E., assignor.)
Kotterman, Chester A., Livingston, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Plate rectifier. 2,352,640; July 4.
Krahel, Peter, Newark, N. J. Parachute and automatic opening device therefor. 2,352,721; July 4.
Kraski, Edmund, Dearborn, and C. Lutowsky, Detroit, Mich. Welding goggles. 2,353,043; July 4.
Kreeft, John, Haledon, assignor to Morrison Machine Co., Paterson, N. J. Tentering machine. 2,352,902; July 4.
Kriegsheim, William, Long Island City, N. Y. Film magazine. 2,353,044; July 4.
Krotz, Alvin S. (See Leguillon, C. W., and Krotz.)
Krumboltz, Orus F., Huron, S. Dak. Magnetic field control of heterogeneous catalysts. 2,352,791; July 4.
Küng, Frederick E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-alkoxy monocarboxylic acids. 2,352,641; July 4.
Kuntz, Frank A., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone booth. 2,353,045; July 4.
Kunzelman, Edward. (See Hopp, H. P., and Kunzelman.)
Kuster, William H., San Francisco, and E. A. Glynn, Lodi, Calif. Fluid circulating device. 2,352,792; July 4.
Lake, Clair D., Binghamton, and F. E. Hamilton, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Card punching machine. 2,353,046; July 4.
Langdon, Jesse D., Downey, Calif. Check valve device. 2,352,642; July 4.
Lannert, Kenneth, Overland, assignor to Carter Carburetor Corporation, St. Louis, Mo. Electric motor structure. 2,353,047; July 4.
Larocca, Vincent, Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Intaglio plate printing machine. 2,353,048; July 4.
La Sha, Stanley S., and F. M. Salisbury, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft heater. 2,353,112; July 4.
Lauer, Carleton, J., R. L. Bowers, and Kent Forshee, Flint, assignors to General Motors Corporation, Detroit, Mich. Electric fuel pump. 2,352,958; July 4.
Lawrenz, Ralph R., Winthrop, Minn. Fishing reel. 2,352,903; July 4.
Layne-Northern Company. (See Gunderson, Norris E., assignor.)
Lee, Henry R., Pitman, and C. F. Belcher, Bridgeton, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing 6-Bz-1-dibromobenzanthrone. 2,353,049; July 4.
Leguillon, Charles W., and A. S. Krotz, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Track block. 2,353,050; July 4.
Leighton, John D., Port Huron, Mich. Casting process. 2,352,842; July 4.
Lennes, J. Burr, San Francisco, Calif. Cooling and ventilating system for airplanes. 2,352,793; July 4.
Lentheric, Incorporated. (See Brown, Enoch N., assignor.)
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Footing. 2,352,904; July 4.
Levin, Carl A., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,352,643; July 4.
Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Loading machine. 2,353,051; July 4.
Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Loading machine. 2,353,052; July 4.
Lewis, Leroy M., Rosemont, Pa. Fire protective system. 2,352,843; July 4.
Lieber, Eugene, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company. Condensation product and preparing and using same. 2,353,053; July 4.
Liebmann, August G., assignor of one-half to H. A. Blessing, Washington, D. C. Container making and filling machine. 2,352,645; July 4.
Liebmann, August G., assignor of one-half to H. A. Blessing, Washington, D. C. Making, packing, and sealing cartridge containers. 2,352,646; July 4.
Lily-Tulip Cup Corporation. (See Miller, Albert F., assignor.)
Linde Air Products Company, The. (See Dittrich, Alex E., assignor.)
Linde Air Products Company, The. (See Jones, Lloyd T., assignor.)
Linderman, Garrett B., Jr., and D. L. Hibbard, U. S. Navy. Apparatus for estimating ranges. 2,352,644; July 4.
Linsenmeyer, John Z., and L. C. Poole, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fault-responsive control system for strand working machines. 2,352,647; July 4.

Lipp, Elmer L., Glendale, assignor, by mesne assignments, to H. H. Helbush, Beverly Hills, Calif. Clamp applying tool. 2,352,722; July 4.

Liss, August S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article working and assembling apparatus. 2,353,054; July 4.

Littell, F. J., Machine Company. (See Littell, Frederick M., assignor.)

Littell, Frederick M., Detroit, Mich., assignor to F. J. Littell Machine Company, Chicago, Ill. Coil catcher for cradle reels. 2,352,959; July 4.

Lock Joint Pipe Company. (See Brend, William R., assignor.)

Lock Joint Pipe Company. (See Wills, Barton, assignor.)

Loebe, Robert W., Wauwatosa, Wis. Camera attachment. 2,352,844; July 4.

Loewy Engineering Company Limited, The. (See Lorant, Hugo, assignor.)

Lorant, Hugo, New York, N. Y., assignor to The Loewy Engineering Company Limited, London, England. Bar conveyor device for extrusion presses. 2,352,960; July 4.

Love, Robert F., assignor to General Aniline & Film Corporation, Binghamton, N. Y. Tripod case. 2,352,794; July 4.

Lundbye, Axel E., assignor to The Crowell-Collier Publishing Company, Springfield, Ohio. Forming and conditioning composite printing plates and the like. 2,352,905; July 4.

Lutowsky, Chester. (See Kraski, E., and Lutowsky.)

Lynch, Charles S. (See Whiteley, J. M., Jr., and Lynch.)

Lyons, William J., New Orleans, La., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Spring balance. 2,352,906; July 4.

MacDowell, Louis G., Jr. (See Toussaint, W. J., and MacDowell.)

MacKenzie, Neal T., assignor to General Timber Service, Inc., St. Paul, Minn. Downspout of wood for gutters. 2,353,113; July 4.

Maechtlen, Lawrence G. (See Bierenfeld, J., and Maechtlen.)

Magill, Donald G. (See Morton, Wirt, and Magill.)

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,352,723; July 4.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,352,724; July 4.

Mangan, Joseph B., Wethersfield, assignor to Veeder-Root Incorporated, Hartford, Conn. Recorder. 2,352,907; July 4.

Man-Sew Corp. (See Sigoda, Victor J., assignor.)

Marchioni, Frank A. and M. E., Rutherford, N. J. Coin handling mechanism. 2,352,846; July 4.

Marchioni, Frank A. and M. E., Rutherford, N. J. Coin handling mechanism. 2,352,847; July 4.

Marchioni, Mark E. (See Marchioni, Frank A. and M. E.)

Margulies, Walter P., Forest Hills, assignor to Hotels Statler Company, Inc., New York, N. Y. Convertible studio bed. 2,352,961; July 4.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Hormone intermediates and preparation of same. 2,352,648; July 4.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal hormone Intermediates and preparation of the same. 2,352,848; July 4.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Halogenated steroid derivatives and process of preparing same. 2,352,849; July 4.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sapogenin derivatives and preparation of same. 2,352,850; July 4.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Oxidation products from sapogenin derivatives and preparation of same. 2,352,853; July 4.

Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sapogenin transformation products and preparation of the same. 2,352,852; July 4.

Marker, Russell E., H. M. Crooks, Jr., State College, Pa., and E. L. Wittle, assignors to Parke, Davis & Company, Detroit, Mich. Sapogenin derivatives and preparation of same. 2,352,851; July 4.

Markwood, William H., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Shaped product. 2,352,725; July 4.

Marresford, Eugene F. (See Behrent, E., and Marresford.)

Marshall, Tola A., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Satellite communication system. 2,353,055; July 4.

Martin, James, Higher Denham, near Uxbridge, England. Mobile lifting gear. 2,352,962; July 4.

Martindell, Frank, Western Springs, assignor to Western Electric Company, Incorporated, New York, N. Y. Weld strength testing apparatus. 2,353,056; July 4.

Maulding, Arthur W., Chicago, Ill., assignor to American Car and Foundry Company, New York, N. Y. Work handling mechanism. 2,352,726; July 4.

McAfee, Jerry, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,352,755; July 4.

McCrosky Tool Corporation. (See Poreau, Arthur W., assignor.)

McCullough, William T., assignor to Goodman Manufacturing Company, Chicago, Ill. Slack or cuttings removing device for kerf-cutting machines. 2,352,795; July 4.

McCurdy, Everett D., trustee. (See Davis, Walwin L., assignor.)

McGowan, Arthur O., Jr., Kansas City, Kans. Toilet seat wringer. 2,352,845; July 4.

McLeod, Earle D., Rumford, R. I., assignor to Arnold, Hoffman & Co. Incorporated. Walter-soluble biuret resins and making the same. 2,352,796; July 4.

McMahon, Hugh C., Washington, D. C. Safety windshield and mounting. 2,352,727; July 4.

McMahon, William F., Riverside, Calif. Disk harrow. 2,352,963; July 4.

McNamara, Patrick B. (See Blanding, Joseph E., assignor.)

McNutt, Joseph D., New Haven, Conn., and S. D. Ehrlich, Tamaqua, Pa., assignors to Western Cartridge Company, New Haven, Conn. Manufacturing salts of styphnic acid. 2,352,964; July 4.

Medford Engineering Co. (See Klein, William I., assignor.)

Mendelsohn, Lewis I., Lynn, Mass., assignor to General Electric Company. Meter light load adjustment. 2,352,965; July 4.

Meredith, Frederick W., assignor to S. Smith & Sons (Motor Accessories) Limited, London, England. Indicating or control apparatus in air or water craft. 2,352,649; July 4.

Meredith, Frederick W., assignor to S. Smith & Sons (Motor Accessories) Limited, London, England. Aircraft air speed control. 2,352,878; July 4.

Merker, Herman, and H. L. Newton, assignors to Pressed Steel Tank Company, Milwaukee, Wis. Container. 2,352,728; July 4.

Meston, Archibald F., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Manufacture of electrodes. 2,352,651; July 4.

Metcalf, Arthur G. B., Milton, Mass., assignor to North American Holding Corporation, Syracuse, N. Y. Grading machine. 2,352,650; July 4.

Metzger, Reinhardt F., Glendale, Long Island, N. Y. Lens mounting. 2,352,729; July 4.

Miessner, Benjamin F., Morristown, N. J. Tool for stringing tennis rackets. 2,352,730; July 4.

Miller, Albert F., Flushing, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Variable intermittent motion device. 2,352,797; July 4.

Miller, Cary, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,352,798; July 4.

Miller, Glen E., Lincoln, Nebr. Seed harvester. 2,352,854; July 4.

Mills, Albert W., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,353,057; July 4.

Mine Safety Appliances Company. (See Hartline, Ralph E., assignor.)

Minneapolis-Honeywell Regulator Company. (See Koch, Albert H., assignor.)

Mitchell, Leo J., Clayton, Mo. Metallic paste pigment. 2,353,058; July 4.

Molins Machine Company, Limited. (See Ruau, Felix F., assignor.)

Molnar, Charles L., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Apparatus for making comb units and the like. 2,352,855; July 4.

Moloney, Raymond T. (See Nicholson, Ralph A., assignor.)

Monsanto Chemical Company. (See Dyer, Colver P., assignor.)

Moore, Vincent T., Glen Rock, N. J., assignor to Wright Aeronautical Corporation. Dynamic damper. 2,352,908; July 4.

Morando, Emanuel R., New York, N. Y. Baby's carriage sleigh attachment. 2,352,966; July 4.

Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Supporting clip. 2,352,856; July 4.

Morgan, James J., Hampden, assignor to General Fibre Box Company, West Springfield, Mass. Receptacle. 2,352,994; July 4.

Morris, Claremont R., New York, N. Y. Button. 2,352,731; July 4.

Morrison Machine Co. (See Kreeft, John, assignor.)

Morton, Wirt, Lake Forest, Ill., and D. G. Magill, Great Neck, assignors to American Can Company, New York, N. Y. Producing drawn moisture-proof articles. 2,352,652; July 4.

Mossberg, O. F., & Sons, Inc. (See Sawin, Raymond R., assignor.)

Murray, James B., Garden City, N. Y. Filing apparatus. 2,353,059; July 4.

Nachemov, Leonard, assignor to A. J., T. S., and N. Sossner, a co-partnership doing business as Sossner Steel Stamps, New York, N. Y. Holder for taps, drills and the like. 2,352,857; July 4.

Naegeli, Rudolf, Bern, Switzerland. Shaving device. 2,352,909; July 4.

National Biscuit Company. (See Behrent, E., and Marresford, assignors.)

National Lead Company. (See Bolley, Don S., assignor.)

National Lead Company. (See Dittmer, Joseph C., assignor.)

National Oil Products Company. (See Buxton, Loran O., assignor.)

National Oil Products Company. (See Robinson, E. A., and Davis, assignors.)

National Postal Meter Company. (See Ryan, C. D., and Drake, assignors.)

Neva-Clog Products, Inc. (See Vogel, Max, assignor.)

Newark Stove Company. (See Bradbury, William T., assignor.)

Newman, Thomas A. (See Haglund, H. H., Dickey, and Newman.)

Newton, Howard L. (See Merker, H., and Newton.)

Newton, Norman B., assignor to Crane Co., Chicago, Ill. Internally insulated valve. 2,352,799; July 4.

New York Central Railroad Company, The. (See Davidson, Samuel L., assignor.)

Niagara Blower Company. (See Olstad, John Walter, assignor.)

Nicholson, Ralph A., assignor to Raymond T. Moloney, Chicago, Ill. Dispenser control. 2,352,858; July 4.

Noble, Robert G., Chicago, Ill. Lock. 2,352,967; July 4.

Nocar, Charles J. (See Fowles, G. L., and Nocar.)

Norman, Carl A., Columbus, Ohio. Hydraulic transmission and differential gearing. 2,353,060; July 4.

Normain Corporation. (See Whitehead, Earl B., assignor.)

Norristown Magnesia & Asbestos Co. (See Wilson, Ladd L., assignor.)

North America Holding Corporation. (See Metcalf, Arthur G. B., assignor.)

Northwestern Steel & Wire Company. (See Gaumer, George K., assignor.)

Novak, John, Brownsville, Pa. Cable connector for welding machines. 2,353,114; July 4.

Nugent, Corliss D., Chicago, Ill. Pressure filter. 2,352,732; July 4.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electric switch means. 2,352,653; July 4.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electricity conductor unit. 2,352,654; July 4.

Oldenboom, Derk J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Circuit connecting device. 2,353,061; July 4.

Olstad, John W., Buffalo, assignor to Niagara Blower Company, New York, N. Y. Bubble tower. 2,352,655; July 4.

Olszewski, Edward, Detroit, Mich. Razor blade holder. 2,353,062; July 4.

O'Neil, Rose, New Orleans, La. Mop wringer. 2,352,910; July 4.

Orton, Samuel T., assignor to Union Screen Plate Company, Fitchburg, Mass. Making paper pulp screen plates. 2,352,968; July 4.

Osplack, Joseph J., assignor to Vinco Corporation, Detroit, Mich. Bearing. 2,352,911; July 4.

Otis, Carl W., Menands, N. Y. Ornamental illuminating device. 2,353,063; July 4.

Ottmer, Frederick W., Union City, N. J. Collar for riveting heads. 2,352,733; July 4.

Owens-Corning Fiberglas Corporation. (See Fletcher, Ed, assignor.)

Palmer, Irwin H., Aberdeen, S. Dak. Automatic hog oiling and feeding assembly. 2,352,859; July 4.

Parham, Thelma L., Dallas, Tex. Beauty parlor stand. 2,353,064; July 4.

Parke, Davis & Company. (See Marker, Russell E., assignor.)

Parker Appliance Company, The. (See Parker, Arthur L., assignor.)

Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Tube expanding and flaring machine. 2,352,912; July 4.

Parker, William M., Parkersburg, W. Va. Insulated outlet receptacle and junction box and units. 2,352,913; July 4.

Parsons, Forrest J., Lima, Ohio. Internal expanding friction clutch. 2,352,969; July 4.

Pasquier, Arthur L., assignor to Franklin Glass Corporation, Butler, Pa. Glass furnace. 2,352,860; July 4.

Pass, Capper, & Son Limited. (See Gueterbock, P. G. J., and Baxter, assignors.)

Patent Scaffolding Co. Inc., The. (See Pitou, Eugene, assignor.)

Patterson, Harry R., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Self-cleaning plate feeder. 2,353,067; July 4.

Pecot, Gabriel B. (See Scheuermann, L. N., and Pecot.)

Peremi, Edmund, Manhasset, and L. Toth, Flushing, assignors to General Bronze Corporation, Long Island City, N. Y. Metallic flooring. 2,353,068; July 4.

Perkins, Frederick, Jamaica, assignor to Perkins Marine Lamp & Hardware Corp., New York, N. Y. Bilge pump operating means. 2,353,069; July 4.

Perkins Marine Lamp & Hardware Corp. (See Perkins, Frederick, assignor.)

Petrilli, Harry E., assignor, by mesne assignments, to Atlas Engine Co., Inc., Wilmington, Del. Diesel engine. 2,353,065; July 4.

Petty, Olive S. (See Tolk, John F., assignor.)

Pfieging, Carrie E., administratrix. (See Pfieging, Frank W.)

Pfieging, Frank W., deceased, by C. E. Pfieging, Omaha, Nebr., administratrix, assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,352,800; July 4.

Phillips, Harry, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Coating machine. 2,352,656; July 4.

Phillips Petroleum Company. (See Ibach, Gerald A., assignor.)

Phillips, Walter W., Selbyville, Del. Safety razor blade sharpener. 2,353,066; July 4.

Pierce, James E., Bay City, Mich., assignor, by mesne assignments, to The Visking Corporation, Chicago, Ill. Making twisted multi-filament yarn. 2,352,861; July 4.

Pierce, John B., Foundation. (See O'Brien, Joseph F., assignor.)

Pitkin, Roy S., Jr., Rochester, Minn. Headphone. 2,353,070; July 4.

Pitou, Eugene, New York, assignor to The Patent Scaffolding Co. Inc., Long Island City, N. Y. Skeleton structure. 2,353,071; July 4.

Pitou, Eugene, New York, assignor to The Patent Scaffolding Co. Inc., Long Island City, N. Y. Truck for moving skeleton frames for hut constructions. 2,353,072; July 4.

Pitou, Eugene, New York, assignor to The Patent Scaffolding Co. Inc., Long Island City, N. Y. Metallic sill member for frames in building constructions. 2,353,073; July 4.

Pneumatic Scale Corporation, Limited. (See Robinson, George A., assignor.)

Podgurski, Michael. (See Brinker, Joseph M., assignor.)

Pollitz, Harold C., assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa. Crusher. 2,352,970; July 4.

Poole, Lloyd C. (See Linsenmeyer, J. Z., and Poole.)

Poreau, Arthur W., Middletown, R. I., assignor to McCrosky Tool Corporation, Meadville, Pa. Toolholder. 2,353,115; July 4.

Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Electromagnetically controlled thermionic relay. 2,352,657; July 4.

Potwin, Julian C., assignor to Pratt, Read & Company, Ivoryton, Conn. Piano action. 2,353,074; July 4.

Powley, Robert, & Sons Limited. (See Harley, Clifford B., assignor.)

Pratt, Read & Company. (See Potwin, Julian C., assignor.)

Pressed Steel Tank Company. (See Merker, H., and Newton, assignors.)

Prochaska, Carroll W., Mount Vernon, N. Y. Hose clamp. 2,352,971; July 4.

Pure Oil Company, The. (See Bell, Richmond T., assignor.)

Pure Oil Company, The. (See Whittier, W. A., and Stucker, assignors.)

Quaker Oats Company, The, et al. (See Graham, William R., Jr., assignor.)

Quinn, Edward. (See Jalbert, A. L., and Quinn.)

Rabuse, Frank M., Kansas City, Kans. Sea warfare. 2,352,862; July 4.

Rackett, Gerald F., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Photographic printing. 2,352,914; July 4.

Radio Corporation of America. (See Callahan, John L., assignor.)

Radio Corporation of America. (See Douden, William L., assignor.)

Radio Corporation of America. (See Duke, Vernon J., assignor.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Smith, J. Ernest, assignor.)

Radio Corporation of America. (See Walker, William E., assignor.)

Reece Button Hole Machine Company, The. (See Avis, Samuel W., assignor.)

Reece, Franklin A., Brookline, Mass. Button sewing machine. 2,352,734; July 4.

Remick, Walter L., Hazleton, Pa. Apparatus for and method of separating mixed materials. 2,352,972; July 4.

Rennecamp, Clarence, assignor to Automatic Control Corporation, St. Louis, Mo. Accessory circuit switch. 2,353,075; July 4.

Repass, James E., assignor to Draper Corporation, Hopedale, Mass. Intermittent selvage trimming device. 2,353,076; July 4.

Repass, James E., assignor to Draper Corporation, Hopedale, Mass. Intermittent temple thread cutter. 2,353,077; July 4.

Repass, James E., assignor to Draper Corporation, Hopedale, Mass. Intermittent thread cutting mechanism. 2,353,078; July 4.

Research Corporation. (See Meston, Archibald F., assignor.)
Reynolds, William R., assignor of one-half to H. L. Williford, Dallas, Tex. Logometer. 2,352,735; July 4.
Rice, Ira A., assignor to General Motors Corporation, Detroit, Mich. Toolholder. 2,353,079; July 4.
Richmond, Howard B., and G. K. Dickerman, assignors to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis. Coating paper. 2,352,658; July 4.
Richmond, Nelson R., Thompsonville, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic resetting device for governors. 2,352,736; July 4.
Richmond, William E., Kenilworth, assignor to Automatic Canteen Company, of America, Chicago, Ill. Refrigerated beverage mixing assembly. 2,353,080; July 4.
Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Automatic sprinkler system. 2,352,995; July 4.
Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Low air pressure sprinkler system. 2,352,996; July 4.
Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Pressure tank sprinkler system with secondary supply. 2,353,116; July 4.
Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Deluge or preaction pressure tank sprinkler system with secondary supply. 2,353,117; July 4.
Rifler, Joseph M., Lake Orion, Mich., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,352,973; July 4.
Robins, Paul N. (See Belokopytoff, Alexander J., assignor.)
Robinson, Edwin A., Chatham, and G. D. Davis, South Orange, assignors to National Oil Products Company, Harrison, N. J. Sulphated monoethanolamides and preparation thereof. 2,353,081; July 4.
Robinson, George A., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,352,863; July 4.
Rochester Manufacturing Co. (See Ford, George E., assignor.)
Rochow, Eugene G., West Albany, N. Y., assignor to General Electric Company. Organosilicon compound. 2,352,974; July 4.
Roe, Grant A., Middletown, N. Y. Utility box flag. 2,352,975; July 4.
Roedding, Gordon E., and R. N. Falge, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Lighting fixture. 2,353,082; July 4.
Röhm & Haas Company. (See Thomas, J. J., Diehm, and Somerville, assignors.)
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire. 2,352,801; July 4.
Roosa, Calvin S., West Englewood, N. J. Reeling device. 2,352,737; July 4.
Roth, Robert I., Valley Stream, assignor to International Business Machines Corporation, New York, N. Y. Recording machine. 2,353,083; July 4.
Ruau, Félix Frédéric, assignor to Molins Machine Company, Limited, Deptford, London, England. Continuous rod type cigarette making machine. 2,353,084; July 4.
Ruau, Félix Frédéric, Deptford, London, England. Gauging or sorting machine. 2,353,085; July 4.
Russell, Nevin J. (See Johnston, E. C., Russell, and Jameson.)
Ruthruff, Robert F., Chicago, Ill. Manufacture of alkali metal silicates. 2,352,738; July 4.
Ryan, Commodore D., and E. P. Drake, Los Angeles, Calif., assignors to National Postal Meter Company, Inc., Rochester, N. Y. Control system for postage printing machines. 2,352,802; July 4.
Ryan Floating Stacker Company. (See Ryan, John E., assignor.)
Ryan, John E., Adair County, assignor to Ryan Floating Stacker Company, Stuart, Iowa. Hay buck and stacker. 2,352,915; July 4.
Safety Car Heating and Lighting Company, The. (See Schepmoes, Lindsley, assignor.)
Saint Genies, Anne H. J. de L., Versailles, France; vested in the Alien Property Custodian. Device for making exposures on lenticular films. 2,352,864; July 4.
Salisbury, Frank M. (See La Sha, S. S., and Salisbury.)
Sauer, Arthur W., assignor to Star Electric Motor Company, Bloomfield, N. J. Ball-bearing puller. 2,352,739; July 4.
Saunders, Henry B. (See Davis, J. L., and Saunders.)
Sawin, Raymond R., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Packing frangible articles. 2,352,803; July 4.
Schaaff, Louis W., Jackson Heights, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Closure for slotlike apertures. 2,353,086; July 4.
Schaefer, Vincent J., Schenectady, N. Y., assignor to General Electric Company. Light-dividing element. 2,352,976; July 4.
Scheldorf, Marvel W., Schenectady, N. Y., assignor to General Electric Company. Self-compensating video antenna. 2,352,977; July 4.
Schepmoes, Lindsley New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Fluorescent lighting fixture. 2,352,804; July 4.
Scheuermann, Leonhard N., and G. B. Pecot, New Orleans, La. Method and article for cleaning oil wells and the like. 2,352,805; July 4.
Schlrgun Corporation. (See Schirokauer, Henry, assignor.)
Schirokauer, Henry, New York, N. Y., assignor to Schirgun Corporation. Gun. 2,353,118; July 4.
Scholl, Clark, and D. L. Getz, assignors to The Steel Products Engineering Company, Springfield, Ohio. Combustion apparatus. 2,353,087; July 4.
Schouten, Jan F. (See de Boer, K., and Schouten.)
Schrader, Herbert, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y. Container part leakage testing machine. 2,352,916; July 4.
Schumacher, Paul F. (See Clark, Charles H., assignor.)
Schutz, Ewald, assignor to De Walt Products Corporation, Lancaster, Pa. Cutting machine. 2,353,088; July 4.
Schwartz, Nathan R., New York, N. Y. Universally adjustable swivel base. 2,352,806; July 4.
Scott, Gilbert W., Jacksonville, Ill. Screw driver. 2,352,917; July 4.
Scott & Williams, Incorporated. (See Shelmire, S. R., and Cooper, assignors.)
Sell, Harvey A., Rutherford, N. J., and H. Cole, New York, assignors, by mesne assignments, to W. W. Frankel, New York, N. Y., and J. L. Fox, Chicago, Ill., as trustees. Printing ink and preparing the same. 2,352,659; July 4.
Serck Radiators Limited. (See Garner, Edward, assignor.)
Servel, Inc. (See Anderson, Philip P., Jr., assignor.)
Servel, Inc. (See Miller, Cary, assignor.)
Servel, Inc. (See Thomas, Albert R., assignor.)
Shannon, Harvey D., Westfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Method of impregnating bamboo with synthetic resin. 2,352,740; July 4.
Shapiro, Harry B., Willoughby, assignor to The Brush Development Company, Cleveland, Ohio. Transducer. 2,353,089; July 4.
Sharp & Dohme, Incorporated. (See Daughenbaugh, Paul J.)
Sheldon, Ralph O., assignor to Emile S. Guignon, Jr., Kansas City, Mo. Sectional metallic building structure. 2,352,807; July 4.
Shell Development Company. (See Albertson, Maurice M., assignor.)
Shell Development Company. (See Fay, Charles H., assignor.)
Shell Development Company. (See Hassler, Gerald L., assignor.)
Shell Development Company. (See Van Ess, P. R., and White, assignors.)
Shelmire, Stanley R., and P. Cooper, assignors to Scott & Williams, Incorporated, Laconia, N. H. Knit fabric and making the same. 2,353,090; July 4.
Shoemaker, William F., Evansville, Ind. Wallpaper machine. 2,352,978; July 4.
Sigoda, Victor J., Great Neck, assignor to Man-Sew Corp., New York, N. Y. Ruffling attachment for sewing machines. 2,352,660; July 4.
Simmons Company. (See Woller, Edward E., assignor.)
Singley, Leslie K., Hendersonville, N. C. Holder for neckties or the like. 2,352,741; July 4.
Sigveland, Ivar E., St. Paul, Minn. Amalgam carrier. 2,352,808; July 4.
Slotterbeck, Ober C., Rahway, and A. R. Kittleson, Westfield, N. J., assignors to Standard Oil Development Company. Manufacture of aliphatic amines. 2,353,091; July 4.
Smart, Sidney K. (See Harmon, K. A., and Smart.)
Smith, Harry, San Francisco, Calif. Container for asphalt, tar, and like products. 2,352,865; July 4.
Smith, J. Ernest, Jackson Heights, N. Y., assignor to Radio Corporation of America. Two-way telephone and telegraph system. 2,352,918; July 4.
Smith, S., & Sons (Motor Accessories Limited). (See Meredith, Frederick W., assignor.)
Snader, Ira J., assignor to Ex-Cell-O Corporation, Detroit, Mich. Dressing mechanism for grinding wheels. 2,352,661; July 4.
Snader, Ira J., assignor to Ex-Cell-O Corporation, Detroit, Mich. Dressing mechanism for grinding wheels. 2,352,662; July 4.
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Butadiene-cyclopentadiene copolymers. 2,352,979; July 4.
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Isoprene-cyclopentadiene copolymers. 2,352,980; July 4.
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Piperylene-cyclopentadiene copolymers. 2,352,981; July 4.
Soffel, Robert O., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse register circuit. 2,352,742; July 4.
Somerville, Ian C. (See Thomas, J. J., Diehm, and Somerville.)
Sonotone Corporation. (See Baum, Jasper, assignor.)
Sossner, Abraham J., et al. (See Nachemov, Leonard, assignor.)
Sossner, Nettie, et al. (See Nachemov, Leonard, assignor.)
Sossner Steel Stamps. (See Nachemov, Leonard.)

Sossner, Theodore S., et al. (See Nachemov, Leonard, assignor.)
Sowden, Alfred, Arkansas City, Kans. Packing machine for containers and the like. 2,352,663; July 4.
Specialties Development Corporation. (See Grant, Harry C., Jr., assignor.)
Sperry Products, Inc. (See Haight, Norman L., assignor.)
Square D Company. (See Bierenfeld, J., and Maechtlen, assignors.)
Square D Company. (See Van Valkenburg, Hermon L., assignor.)
Square D Company. (See Woods, William H., assignor.)
Stack, Elmer S., Arlington, Mass. Progressive water heating system. 2,352,919; July 4.
Stacy, Anna R., Peoria, Ill. Brassière. 2,352,666; July 4.
Stair, Benjamin E. (See Gruenke, A. P., and Stair.)
Standard Machinery Company. (See Bondeson, Herman A., assignor.)
Standard Oil Company, The. (See August, Joseph, Jr., assignor.)
Standard Oil Company. (See Swenson, Reuben A., assignor.)
Standard Oil Development Company. (See Goodwin, Henry S., assignor.)
Standard Oil Development Company. (See Lieber, Eugene, assignor.)
Standard Oil Development Company. (See Slotterbeck, O. C., and Kittleson, assignors.)
Standard Oil Development Company. (See Tryon, Richard W., assignor.)
Standard Oil Development Company. (See Whiteley, J. M., Jr., and Lynch, assignors.)
Standard Railway Equipment Manufacturing Company. (See West, Victor E., assignor.)
Staples, Crawford E., and H. G. Blosser, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Coded signaling system. 2,352,743; July 4.
Star Electric Motor Company. (See Saner, Arthur W., assignor.)
Steel Products Engineering Company, The. (See Scholl, C., and Getz, assignors.)
Stevens, Vernon R., Wellsville, N. Y. Fluid actuated brake. 2,352,920; July 4.
Stevenson, Thomas, and B. Volin, Philadelphia, Pa. Safety switch. 2,352,664; July 4.
Stoddard, Albert D., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Cementing and floating equipment for well casing. 2,352,744; July 4.
Stokes and Smith Company. (See Stokes, John S., assignor.)
Stokes, F. J., Machine Company. (See Strauss, William, assignor.)
Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Box wrapping system. 2,352,665; July 4.
Stoltz, Edgar J., assignor of one-half to J. H. Kinkaid, Los Angeles, Calif. Arm weapon. 2,352,921; July 4.
Stowe, Vernon M., Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Production of aggregates of aluminum hydrate. 2,352,867; July 4.
Strauss, William, Philadelphia, Pa., assignor to F. J. Stokes Machine Company. Feed device for powdered material. 2,352,809; July 4.
Strutt, Maximiliaan J. O., A. van der Ziel, and C. J. Bakker, Eindhoven, Netherlands; vested in the Alien Property Custodian. Circuit for the transmission of electrical oscillations. 2,352,956; July 4.
Stubnitz-Greene Spring Corporation. (See Caughey, John M., assignor.)
Stucker, Joseph B. (See Whittier, W. A., and Stucker.)
Submarine Signal Company. (See Grabau, William C., assignor.)
Swain, Raymond A., Bellevue, Ky., assignor to Interchemical Corporation, New York, N. Y. Graining ink vehicle. 2,352,810; July 4.
Swenson, Reuben A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricant. 2,352,811; July 4.
Tarbox, John P., Philadelphia, Pa., assignor, by mesne assignments, to Industrial Rayon Corporation. Rayon spinning cage. 2,352,868; July 4.
Taylor, Raymond G., Jr., assignor to The Gulberson Corporation, Dallas, Tex. Swab cup assembly or packing element. 2,352,812; July 4.
Tech Equipment Company. (See Williams, B. W., and H. S., assignors.)
Technicolor Motion Picture Corporation. (See Rackett, Gerald F., assignor.)
Teletype Corporation. (See Levin, Carl A., assignor.)
Teletype Corporation. (See Potts, Louis M., assignor.)
Termeer, John F. (See Irwin, William R., assignor.)
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine safety razor. 2,352,813; July 4.
Thomas, Albert R., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,352,814; July 4.
Thomas, Joseph J., Springfield, Mass., R. A. Diehm, Appleton, Wis., and I. C. Somerville, assignors to Röhm & Haas Company, Philadelphia, Pa. Paper manufacture. 2,352,922; July 4.
Thomas, Sherman A., Rochester, N. Y. Butter serving machine. 2,352,666; July 4.
Thornton, Horace R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand tension indicating device. 2,353,092; July 4.
Time Incorporated. (See Coleman, Roy E., assignor.)
Tofanelli, Olinto J., Oakland, Calif., assignor to American Can Company, New York, N. Y. Can cover. 2,352,667; July 4.
Toledo Scale Company. (See Bohannan, Robert S., assignor.)
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Toledo Scale Company. (See Williams, Lawrence S., assignor.)
Tolk, John F., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,352,869; July 4.
Tomalis, Joseph J., assignor to American Screw Company, Providence, R. I. Screw for plastics. 2,352,982; July 4.
Toth, Louis. (See Peremi, E., and Toth.)
Toussaint, Walter J., South Charleston, W. Va., and L. G. MacDowell, Jr., Lakeland, Fla., assignors to Carbide and Carbon Chemicals Corporation. Halogenated ethers. 2,352,745; July 4.
Tripp, Chester D., Chicago, Ill. Lock nut and making same. 2,352,668; July 4.
Trotter, John C., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Machine gun cradle structure. 2,352,870; July 4.
Trump, Frederick O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Conveying apparatus. 2,352,983; July 4.
Tryon, Richard W., Westfield, N. J., assignor to Standard Oil Development Company. Pressure relieving device. 2,353,093; July 4.
Turner, Richard H., assignor to Falconer Plate Glass Corporation, Falconer, N. Y. Protective structure for mirrors. 2,352,923; July 4.
Underpinning & Foundation Company. (See Goldsborough, John B., assignor.)
Underwood, James W. (See D'Alelio, G. F., and Underwood.)
Union Bag & Paper Corporation. (See Karlson, Karl R., assignor.)
Union Screen Plate Company. (See Orton, Samuel T., assignor.)
Union Special Machine Company. (See Billington, Emil J., assignor.)
Union Switch and Signal Company, The. (See Crooks, Ralph K., assignor.)
Union Switch and Signal Company, The. (See Pfleging, Frank W.)
Union Switch & Signal Company, The. (See Staples, C. E., and Blosser, assignors.)
United Aircraft Corporation. (See Jordan, Donald J., assignor.)
United Aircraft Corporation. (See Richmond, Nelson R., assignor.)
United Autographic Register Co. (See Barker, Gregson L., assignor.)
United Gas Improvement Company, The. (See Soday, Frank J., assignor.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
United Shoe Machinery Corporation. (See Jalbert, A. L., and Quinn, assignors.)
United Shoe Machinery Corporation. (See Phillips, Harry, assignor.)
United States Gypsum Company. (See Camp, Thomas P., assignor.)
United States Rubber Company. (See Gates, Charles W., assignor.)
Universal Oil Products Company. (See McAfee, Jerry, assignor.)
University of Tennessee Research Corporation. See Hertel, Kenneth L., assignor.)
Vallier, Wilfred F., Fort Smith, Ark. Carburetor. 2,352,924; July 4.
Van der Biel, Aldert. (See Strutt, M. J. O., van der Ziel, and Bakker.)
Van Ess, Paul R., Berkeley, and E. R. White, Albany, assignors to Shell Development Company, San Francisco, Calif. Lubricating oil composition. 2,352,669; July 4.
Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Electric switch. 2,352,815; July 4.
Veeder-Root Incorporated. (See Mangan, Joseph B., assignor.)
Venezlano, Joseph, Brooklyn, N. Y. Snow removal device. 2,353,094; July 4.
Vernon, George N., San Francisco, Calif. Parachute. 2,352,871; July 4.
Vickers-Armstrongs Limited. (See Higson, Percy R., assignor.)
Vickery, Frederick W., London, England, assignor to Vickery Incorporated, Boston, Mass. Machine for conditioning felts of papermaking machines. 2,352,991; July 4.
Vickery Incorporated. (See Vickery, Frederick W., assignor.)
Vinco Corporation. (See Osplack, Joseph J., assignor.)
Visking Corporation, The. (See Pierce, James E., assignor.)

Vogel, Max, assignor to Neva-Clog Products, Inc., Bridgeport, Conn. Stapling device. 2,352,997; July 4.
Volt, William J., Los Angeles, and L. C. Weimer, Southgate, Calif.; said Weimer assignor to said Volt. Reinforced game ball. 2,352,872; July 4.
Volin, Bernard. (See Stevenson, T., and Volin.)
Volk, Peter W. (See Eaton, J. T., and Volk.)
Volpertas, Zelmanas, New York, N. Y. Dried starch bearing food. 2,352,670; July 4.
Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Electric switch. 2,352,992; July 4.
Von Reppert, Richard, Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,353,095; July 4.
Vulcan Corporation. (See Clausing, George, assignor.)
Vulcan Corporation. (See Clausing, H., and W., assignors.)
Waldby, William C. (See Hayes, Samuel T., assignor.)
Waldes Koh-I-Noor, Inc. (See Schaaff, Louis W., assignor.)
Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of formaldehyde with acrylonitrile and product. 2,352,671; July 4.
Walker, William E., San Francisco, Calif., assignor to Radio Corporation of America. Tape perforating system. 2,352,925; July 4.
Wallace & Tiernan Co. Inc. (See Booth, G. M., and Cubberley, assignors.)
Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Circuit breaker. 2,352,984; July 4.
Walter, Clarence D., Milton, Oreg. Bicycle propulsion mechanism. 2,352,672; July 4.
Wängsjö, Hans. (See Anderson, B., and Wängsjö.)
Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Electroresponsive device. 2,352,985; July 4.
Wasum, Ludwig W., Jenkintown, assignor to Kessler Chemical Co., Inc., Philadelphia, Pa. Insect repellent. 2,352,746; July 4.
Webster, Osborne B., and N. B. Coley, assignors to General Railway Signal Company, Rochester, N. Y. Block signaling system for railroads. 2,352,986; July 4.
Weidauer, Curtis, Manhasset, assignor to S. Briskman, New York, N. Y. Work holder. 2,353,096; July 4.
Weightman, William A., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Trimming and forming machine and the like. 2,352,816; July 4.
Weimer, Leith C. (See Volt, W. J., and Weimer.)
Weiss, Felix, Plainfield, N. J., assignor to Cornell-Dubilier Electric Corporation. Apparatus for making capacitors. 2,352,926; July 4.
Wells, Alfred A. (See Jones, M. C. J., and Wells.)
Welte, Benedict, Lake Orion, and H. H. Gotberg, assignors to Colonial Broach Company, Detroit, Mich. Rifle broaching machine. 2,352,873; July 4.
West, James R. (See Barrett, E. P., and West.)
West, Victor E., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Heating system for railway cars. 2,353,097; July 4.
Westcott, Clifford H., Oak Park, assignor to J. H. Jacobson, Chicago, Ill. Dowel bar structure. 2,352,673; July 4.
Western Cartridge Company. (See McNutt, J. D., and Ehrlich, assignors.)
Western Electric Company. (See Haase, Carl O., assignor.)
Western Electric Company. (See Liss, August S., assignor.)
Western Electric Company. (See Martindell, Frank, assignor.)
Western Electric Company. (See Thornton, Horace R., assignor.)
Western Union Telegraph Company, The. (See Haglund, H. H., Dickey, and Newman, assignors.)
Westinghouse Electric & Manufacturing Company. (See Linsenmeyer, J. Z., and Poole, assignors.)
White, Ellis R. (See Van Ess, P. R., and White.)
White, S. S., Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)
Whitehead, Earl B., assignor to Normain Corporation, Norwich, Conn. Lunch box and blank. 2,352,927; July 4.
Whitehead, William, Rye, N. Y., assignor to Celanese Corporation of America. Coating process. 2,352,747; July 4.
Whiteley, Frank A., Minneapolis, Minn. Cooling air conditioner. 2,352,748; July 4.
Whiteley, James M., Jr., Aruba, Curacao, Netherlands West Indies, and C. S. Lynch, Plainfield, N. J., assignors to Standard Oil Development Company. Catalytic isomerization process. 2,353,098; July 4.
Whitmer, Albert C., Columbus, Ohio. Machine for recording and registering business transactions. 2,352,817; July 4.
Whittier, William A., Kenilworth, and J. B. Stucker, assignors to The Pure Oil Company, Chicago, Ill. Extreme pressure lubricant. 2,352,818; July 4.
Wico Electric Company. (See Harmon, K. A., and Smart, assignors.)
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,352,987; July 4.
Wilcox, James F., Schenectady, N. Y., assignor to General Electric Company. Electric circuit. 2,352,988; July 4.
Williams, Bradlee W. and H. S., assignors to Tech Equipment Company, Chicago, Ill. Cardiometric apparatus. 2,352,874; July 4.
Williams, Bradlee W. and H. S., assignors to Tech Equipment Company, Chicago, Ill. Cardiometric apparatus. 2,352,875; July 4.
Williams, Homer S. (See Williams, Bradlee W. and H. S.)
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Chart. 2,353,099; July 4.
Williford, H. L. (See Reynolds, William R., assignor.)
Wills, Barton, assignor to Lock Joint Pipe Company, East Orange, N. J. Apparatus for applying plastic coatings. 2,352,749; July 4.
Wilson & Co. Inc. (See Bowers, William W., assignor.)
Wilson, Ladd L., Oxford, Ohio, assignor to Norristown Magnesia & Asbestos Co., Plymouth, Norristown, Pa. Collapsible conduit. 2,352,876; July 4.
Windemuth, Erwin. (See Alder, K., and Windemuth.)
Winslow, Albert E., Mystic, Conn., assignor to Atwood Machine Company. Cap and flyer. 2,353,100; July 4.
Winslow, Albert E., Mystic, Conn., assignor to Atwood Machine Company. Strand twisting apparatus. 2,353,101; July 4.
Winslow, Albert E., Mystic, Conn., assignor to Atwood Machine Company. Strand twisting apparatus. 2,353,102; July 4.
Winslow, Albert E., Mystic, Conn., assignor to Atwood Machine Company. Strand twisting apparatus. 2,353,103; July 4.
Winslow, Albert E., Mystic, Conn., assignor to Atwood Machine Company. Strand twisting apparatus. 2,353,104; July 4.
Winslow, Albert E., Mystic, Conn., assignor to Atwood Machine Company. Strand twisting apparatus. 2,353,105; July 4.
Winslow, Samuel J., Taunton, Mass. Mirror. 2,352,819; July 4.
Winslow, Samuel J., Taunton, Mass. Hand mirror, brush, and the like. 2,352,820; July 4.
Winterhalter, Martin, Morcote, near Lugano, Switzerland. Separable fastener. 2,353,106; July 4.
Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, Waukegan, Ill., trustee. Electrical governor. 2,353,107; July 4.
Winther, Martin P., trustee. (See Winther, Anthony, assignor.)
Witt, Irwin H., Blue Island, Ill. Lock for locking manhole and vault covers. 2,352,750; July 4.
Wittle, Eugene L. (See Marker, R. E., Crooks, and Wittle.)
Woller, Edward E., Kenosha, Wis., assignor to Simmons Company. Sofa bed. 2,352,989; July 4.
Wolstenholme, Harry F., Paterson, N. J. Rotary engine. 2,352,877; July 4.
Wood, Robert T., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Making and treating magnesium castings. 2,352,990; July 4.
Woodling, George V., et al., trustees. (See Jackman, Elmer F., assignor.)
Woods, William H., Garden City, assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,352,928; July 4.
Worgess, John D., Jacksonville, Fla. Vehicle luggage compartment door operator. 2,352,929; July 4.
Workman, Arnold R., Malverne, assignor to Cities Service Oil Company, New York, N. Y. Catalytic conversion of hydrocarbons with mixed catalysts. 2,353,119; July 4.
Wright Aeronautical Corporation. (See Hill, Henry C., assignor.)
Wright Aeronautical Corporation. (See Moore, Vincent T., assignor.)
Wright, William S., Newark, Ohio. Fluid reservoir. 2,352,751; July 4.
Wuertz, Alexander J., and D. X. Klein, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone dyestuffs. 2,353,108; July 4.
Yellen, Joseph W., New York, N. Y. Spar-deck portable plate frame. 2,352,674; July 4.
Yoder, Carl M., Lakewood, Ohio. Mechanism for shaping sheet metal. 2,352,675; July 4.
Zerweck, Werner, and E. Heinrich, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Acid wool dyestuffs. 2,352,752; July 4.
Zweekly, James, Detroit, Mich. Layout gauge. 2,353,109; July 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alkylation of hydrocarbons. A. R. Goldsby, E. F. Pevere, L. A. Clarke, and G. B. Hatch. Re. 22,510; July 4.
Electric heating systems for garments and other objects. U. Munschak. Re. 22,512; July 4.
Fuel control device. W. F. Jackson. Re. 22,511; July 4.
Looms, Check-strap for. J. R. Brandon. Re. 22,509; July 4.
Mounting construction for brake shoes, Single anchor. S. Schnell. Re. 22,513; July 4.

LIST OF PLANT INVENTIONS

Sansevieria plant. O. Nelson. 633; July 4.

LIST OF DESIGN INVENTIONS

Airplane. W. D. van Zelm. 138,217–18; July 4.
Bottle. B. A. Jackson. 138,198; July 4.
Bottle and stopper, Combined. F. E. Ansell. 138,192; July 4.
Bottle or similar article. G. Labran. 138,200; July 4.
Bottle or similar article. L. G. Rothschild. 138,205; July 4.
Box for aircraft engine starters, Gear. R. M. Nardone. 138,216; July 4.
Buckle, Slide. H. J. Reiter. 138,185; July 4.
Card, Patriotic photograph mounting. L. V. Lamb. 138,207; July 4.
Cards or similar article, Set of playing. A. Field. 138,177; July 4.
Casket for pet animals or similar article, Burial. J. S. Newlon. 138,201; July 4.
Coaster. E. J. Firquain. 138,178; July 4.
Coat. A. Gruber. 138,197; July 4.
Compact, Face powder. B. Kotzin. 138,199; July 4.
Container, Dental plate. S. Gordon. 138,180; July 4.
Cover, Book. L. E. Hopkins. 138,213; July 4.
Cutoff machine, Abrasive. R. S. Condon. 138,206; July 4.
Device for training in cooperation and coordination. T. Miller. 138,214; July 4.
Dress. D. Minchenberg. 138,215; July 4.
Lamp. E. S. Boynton. 138,209; July 4.
Lubricator, Mechanical. B. E. Folke. 138,179; July 4.
Mounting, Ring. F. Kuczajda. 138,181; July 4.
Pin, Brooch. A. Philippe. 138,202–3; July 4.
Rack, Belt. M. Rosenblatt. 138,204; July 4.
Shoe. S. Burrafato. 138,210–11; July 4.
Sign. V. L. Minet. 138,182; July 4.
Stand for illustrated postal cards, Display. E. Olszewski. 138,208; July 4.
Stand, Telephone desk. G. Deakin. 138,212; July 4.
Support, Adjustable nursing bottle. A. Filler. 138,196; July 4.
Tool, Combination. J. E. Rowlett. 138,186; July 4.
Tool, Cutting. L. A. Smith. 138,187–9; July 4.
Toy gun. R. G. Swanson. 138,190; July 4.
Toy, Push. R. F. Wilson. 138,191; July 4.
Toy wagon. T. Duffy. 138,193–5; July 4.
Valve check. C. Pool. 138,183–4; July 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accessory circuit switch. C. Rennecamp. 2,353,075; July 4.
Accounting machine. J. W. Armbruster. 2,353,001; July 4.
Adjustable chair. R. C. Angell. 2,352,678; July 4.
Adjusting flow rates of fluids through formations traversed by boreholes. G. L. Hassler. 2,352,834; July 4.
Adsorbent. E. P. Barrett and J. R. West. 2,352,932; July 4.
Air conditioner, Cooling. F. A. Whiteley. 2,352,748; July 4.
Air conditioning. P. P. Anderson, Jr. 2,352,930; July 4.
Air preheater mounting. P. H. Karlsson. 2,352,717; July 4.
Aircraft air speed control. F. W. Meredith. 2,352,878; July 4.
Aircraft inclination indicator. H. F. Bauknecht. 2,352,758; July 4.
Aircraft heater. S. S. Le Sha and F. M. Salisbury. 2,353,112; July 4.
Airplane testing apparatus. H. O. Hem. 2,353,033; July 4.
Aldehydes and diazine derivatives, Reaction product of. G. F. D'Alelio and J. W. Underwood. 2,352,943; July 4.
Aldehydes and triazine derivatives, Reaction products of. G. F. D'Alelio and J. W. Underwood. 2,352,942; July 4.
Alkali metal silicates, Manufacture of. R. F. Ruthruff. 2,352,738; July 4.
Aluminum hydrate, Production of aggregates of. V. M. Stowe. 2,352,867; July 4.
Amalgam carrier. I. E. Sigveland. 2,352,808; July 4.
Amines, Manufacture of aliphatic. O. C. Slotterbeck and A. R. Kittleson. 2,353,091; July 4.
Anesthetic compound and preparation. D. Curtis. 2,352,691; July 4.
Angle of attack indicator. C. L. Johnson. 2,352,955; July 4.
Antenna, Self-compensating video. M. W. Scheldorf. 2,352,977; July 4.
Antiknock compound and motor fuel containing same. R. T. Bell. 2,352,760; July 4.
Antioxidant. C. W. Gates. 2,352,950; July 4.
Apparatus for annealing articles. C. O. Haase. 2,352,709; July 4.
Apparatus for applying plastic coatings. B. Wills. 2,352,749; July 4.
Apparatus for enrobing confections with chocolate. E. C. Johnston. 2,352,839; July 4.
Apparatus for estimating ranges. G. B. Linderman, Jr., and D. L. Hibbard. 2,352,644; July 4.
Apparatus for making capacitors. F. Weiss. 2,352,926; July 4.
Apparatus for making comb units and the like. C. L. Moinar. 2,352,855; July 4.
Apparatus for musical instruction. C. Beutel. 2,352,597; July 4.
Apparatus for sealing containers. W. D. Bell. 2,352,761–3; July 4.
Apparatus for sterilizing the interiors of empty vessels. C. B. Harley. 2,352,787; July 4.
Apparatus for transcribing last contours. H. and W. Clausing. 2,352,695; July 4.
Apparatus for treating water. W. I. Klein. 2,352,901; July 4.
Article testing machine. B. A. Andalikiewicz and D. T. Carlson. 2,352,880; July 4.
Article working and assembling apparatus. A. S. Liss. 2,353,054; July 4.
Articles of plastic material, Forming. A. O. and L. W. Austin. 2,352,000; July 4.
Ash tray. H. M. Anholt. 2,352,756; July 4.
Automatic hog oiling and feeding assembly. I. H. Palmer. 2,352,859; July 4.
Automatic packaging machine. E. Bhrent and E. F. Marresford. 2,353,005; July 4.
Automatic resetting device for governors. N. R. Richmond. 2,352,736; July 4.
Automatic sprinkler system. H. N. Rider. 2,352,995; July 4.
Ball-bearing puller. A. W. Sauer. 2,352,739; July 4.
Bamboo with synthetic resin, Impregnating. H. D. Shannon. 2,352,740; July 4.
Bar conveyer device for extrusion presses. H. Lorant. 2,352,960; July 4.
Bearing. J. J. Osplack. 2,352,911; July 4.
Beauty parlor stand. T. L. Parham. 2,353,064; July 4.
Bed, Convertible studio. W. P. Margulies. 2,352,961; July 4.
Bed, Sofa. E. E. Woller. 2,352,989; July 4.
Belt for automatic guns or machine guns, Cartridge. P. R. Higson. 2,352,954; July 4.
Beta-alkoxy monocarboxylic acids, Preparation of. F. E. Kling. 2,352,641; July 4.
Beverage mixing assembly, Refrigerated. W. E. Richmond. 2,353,080; July 4.
Bias-cutting machine. E. B. Case. 2,352,937; July 4.
Bicycle propulsion mechanism. C. D. Walter. 2,352,672; July 4.
Bilge pump operating means. F. Perkins. 2,353,069; July 4.
Black-out device. S. J. Bates. 2,352,609; July 4.
Blade, Protected open-end. H. A. Gustafson. 2,352,785; July 4.
Blank shaping fixture. C. E. Archer. 2,352,608; July 4.
Block: *See*—
Track block.
Board: *See*—
Composition board.
Boat hull. W. J. H. Dyer. 2,353,020; July 4.
Box: *See*—
Paper box. Welding rod box.
Box and blank, Lunch. E. B. Whitehead. 2,352,927; July 4.
Box wrapping system. J. S. Stokes. 2,352,665; July 4.
Brake: *See*—
Fluid actuated brake.
Brassière. A. R. Stacy. 2,352,866; July 4.
Brick, Drop-mud method of and apparatus for molding. E. G. Cowan and J. M. Coder. 2,352,771; July 4.
Broaching machine, Rifle. B. Welte and H. H. Gotberg. 2,352,873; July 4.
Bubble tower. J. W. Olstad. 2,352,655; July 4.
Building structure, Sectional metallic. R. O. Sheldon. 2,352,807; July 4.
Bundler and discharge assembly for wire products machines. G. K. Gaumer. 2,352,623; July 4.
Butadiene-cyclopentadiene copolymers. F. J. Soday. 2,352,979; July 4.
Butter serving machine. S. A. Thomas. 2,362,666; July 4.
Button. C. R. Morris. 2,352,731; July 5.
Button clamp. S. W. Avis. 2,352,681; July 4.
Cage, Rayon spinning. J. P. Tarbox. 2,352,868; July 4.
Call transmitter. R. F. Mallina. 2,352,723–4; July 4.
Camera attachment. R. W. Loebe. 2,352,844; July 4.
Can cover. O. J. Tofanelli. 2,352,667; July 4.
Cap and flyer. A. E. Winslow. 2,353,100; July 4.
Cap-feeding apparatus. W. D. Bell. 2,352,764; July 4.
Carburetor. W. F. Vallier. 2,352,924; July 4.
Card punching machine. C. D. Lake and F. E. Hamilton. 2,353,046; July 4.
Cardiometric apparatus. B. W. Williams and H. S. Willis. 2,352,874–5; July 4.
Carrier: *See*—
Amalgam carrier.
Cartridge containers, Making, packing, and sealing. A. G. Liebmann. 2,352,646; July 4.
Case: *See*—
Chronometer watch case. Tripod case.
Casting process. J. D. Leighton. 2,352,842; July 4.
Catalytic conversion of hydrocarbons with mixed catalysts. A. R. Workman. 2,353,119; July 4.
Catalytic isomerization process. J. M. Whitely, Jr., and C. S. Lynch. 2,353,098; July 4.
Cellulose acetate films, Treatment of. E. Freund and F. Deutsch. 2,353,023; July 4.
Cementing and floating equipment for well casing. A. D. Stoddard. 2,352,744; July 4.
Chair: *See*—
Adjustable chair.
Chart. L. S. Williams. 2,353,099; July 4.
Check valve device. J. D. Langdon. 2,352,642; July 4.
Chemically heated liquid container. A. Geria. 2,352,951; July 4.
Chronometer watch case. E. W. Drescher. 2,352,889; July 4.
Cigarette making machine, Continuous fod type. F. F. Ruau. 2,353,084; July 4.
Circuit: *See*—
Electric circuit. Pulse register circuit.
Frequency response control circuit.
Circuit breaker. L. S. Walle. 2,352,984; July 4.
Circuit breaker. W. H. Woods. 2,352,928; July 4.

Circuit connecting device. D. J. Oldenboom. 2,353,061; July 4.
Circuit for the transmission of electrical oscillations. M. J. O. Strutt, A. van der Ziel, and C. J. Bakker. 2,352,956; July 4.
Clamp: *See*—
Button clamp. Hose clamp.
Double-jawed gripping and handling clamp.
Clamp applying tool. E. L. Lipp. 2,352,722; July 4.
Clip: *See*—
Supporting clip.
Closure for slotlike apertures. L. W. Schaaff. 2,353,086; July 4.
Clutch: *See*—
Internal expanding friction clutch.
Clutch and shifter assembly, Power driven. E. S. Bartlett and E. R. Eldridge. 2,352,596; July 4.
Coating device. E. W. Davis. 2,352,773; July 4.
Coating machine. H. Phillips. 2,352,656; July 4.
Coating process. W. Whitehead. 2,352,747; July 4.
Code converter. H. H. Haglund, A. W. Dickey, and T. A. Newman. 2,352,952; July 4.
Coded signaling system. C. E. Staples and H. G. Blosser. 2,352,743; July 4.
Coil catcher for cradle reels. F. M. Littell. 2,352,959; July 4.
Coin handling mechanism. F. A. and M. E. Marchioni. 2,352,846–7; July 4.
Collar for riveting heads. F. W. Ottmer. 2,352,733; July 4.
Combustion apparatus. C. Scholl and D. L. Getz. 2,353,087; July 4.
Communication system. W. Hasenberg. 2,352,711; July 4.
Composite article. B. S. Garvey and D. E. Henderson. 2,352,705; July 4.
Composite article. A. E. Juve. 2,352,637; July 4.
Composition board. H. L. Kincaid. 2,352,900; July 4.
Compounds of the anthraquinone series. E. C. Buxbaum. 2,353,010; July 4.
Condensation product and preparing and using same. E. Lieber. 2,353,053; July 4.
Condensation products. K. Alder and E. Windemuth. 2,352,606; July 4.
Conduit, Collapsible. L. L. Wilson. 2,352,876; July 4.
Connate water determination. F. C. Kelton, Jr. 2,352,638; July 4.
Connector for welding machines, Cable. J. Novak. 2,353,114; July 4.
Constant velocity universal joint. A. Y. Dodge. 2,352,776; July 4.
Container: *See*—
Chemically heated liquid container.
Container. H. Merker and H. L. Newton. 2,352,728; July 4.
Container for asphalt, tar, and like products. H. Smith. 2,352,865; July 4.
Container handling apparatus. H. E. Gantzer. 2,352,949; July 4.
Container making and filling machine. A. G. Liebmann. 2,352,645; July 4.
Control means. F. G. da Roza and W. T. Bratton. 2,353,014; July 4.
Control mechanism for sound reproducing apparatus. W. C. Eddy. 2,352,778; July 4.
Control system for postage printing machines. C. D. Ryan and E. P. Drake. 2,352,802; July 4.
Control system for straight working machines, Fault-responsive. J. Z. Linsenmeyer and L. C. Poole. 2,352,647; July 4.
Conveyer system. H. E. Kleintop. 2,352,840; July 4.
Conveying apparatus. F. O. Trump. 2,352,983; July 4.
Cooler: *See*—
Oil cooler.
Cooling and ventilating system for airplanes. J. B. Lennes. 2,352,793; July 4.
Cooling of vacuum devices. C. W. Hansell. 2,352,893; July 4.
Counter assembly for wire products machines. G. K. Gaumer. 2,352,622; July 4.
Coupling: *See*—
Removable sanitary pipe coupling.
Cover: *See*—
Can cover.
Crusher. H. C. Pollitz. 2,352,970; July 4.
Cup assembly or packing element, Swab. R. G. Taylor, Jr. 2,352,812; July 4.
Cup, Eye. S. T. Bonilla. 2,352,610; July 4.
Cushion, seat. J. M. Caughey. 2,352,938; July 4.
Cutter: *See*—
Intermittent temple thread cutter.
Cutting machine. E. Schutz. 2,353,088; July 4.
Cutting mechanism, Intermittent thread. J. E. Repass. 2,353,078; July 4.
Damper, Dynamic. V. T. Moore. 2,352,908; July 4.
Deck lashing, Cargo. M. G. Denton. 2,353,017; July 4.
Deck, Portable. G. G. Greulich. 2,352,892; July 4.
Device for making exposures on lenticular films. A. H. J. de L. Saint Genies. 2,352,864; July 4.
Device for stacking cases or the like. R. P. Alexander. 2,352,879. July 4, 1944
Device for the stereoscopic registration, transmission, and reproduction of sounds. K. de Boer and J. F. Schouten. 2,352,696. July 4, 1944
Diazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,352,945; June 4.
Diesel engine. H. E. Petrilli. 2,353,065; July 4.
Diffuser-circulator. G. M. Booth and M. H. Cubberley. 2,352,767; July 4.
Dispenser control. R. A. Nicholson. 2,352,858; July 4.
Dispensing and tabulating machine. J. W. Armbruster. 2,353,002; July 4.
Display package. C. B. Holm. 2,352,633; July 4.
Door operator, Vehicle luggage compartment. J. D. Wergess. 2,352,929; July 4.
Dough, Treating. M. Cohen, D. Enoch, G. Hasty and G. A. Jorgenson. 2,352,617; July 4.
Doughnut machine. S. A. Gardner. 2,353,024; July 4.
Dowel bar structure. C. H. Westcott. 2,352,673; July 4.
Draft gear backstop and center filler. A. Kassler. 2,352,718; July 4.
Dress, Maternity. E. A. Clark. 2,352,886; July 4.
Dressing mechanism for grinding wheels. I. J. Snader. 2,352,661–2; July 4.
Drilling machine. J. S. Beltz. 2,353,006; July 4.
Dyeings and the dyed fiber obtained thereby, Producing fast. E. Fischer, W. Kirst and W. Gmelin. 2,352,701; July 4.
Dyestuffs, Acid wool. W. Zerweck and E. Heinrich. 2,352,752; July 4.
Dyestuffs, Anthraquinone. A. J. Wuertz and D. X. Klein. 2,353,108; July 4.
Dyestuffs of the anthraquinone series. D. X. Klein. 2,353,041; July 4.
Electric blasting caps, Packaging. H. B. Alexander and C. H. Cordle. 2,352,998; July 4.
Electric circuit. J. F. Wilcox. 2,352,988; July 4.
Electric discharge device and fabrication thereof. J. E. Beggs. 2,352,933; July 4.
Electric fuel pump. C. J. Lauer, R. L. Bowers and K. Forshee. 2,352,958; July 4.
Electric holder. W. T. Cockrill and T. J. Duncan. 2,352,939; July 4.
Electric horn. E. H. Church. 2,352,602; July 4.
Electric motor structure. K. Lannert. 2,353,047; July 4.
Electric switch. J. Bierenfeld and L. G. Maechtlen. 2,352,765; July 4.
Electric switch. H. L. Van Valkenburg. 2,352,815; July 4.
Electric switch. E. J. von Henke. 2,352,992; July 4.
Electric switch means. J. F. O'Brien. 2,352,653; July 4.
Electrical battery. J. Baum. 2,352,759; July 4.
Electrical governor. A. Winther. 2,353,107; July 4.
Electrical system. M. A. Edwards. 2,352,620; July 4.
Electrical system. D. E. Garr. 2,352,619; July 4.
Electricity conductor unit. J. F. O'Brien. 2,352,654; July 4.
Electrodes, Manufacture of. A. F. Meston. 2,352,651; July 4.
Electromagnetic device. R. F. Edgar. 2,352,948; July 4.
Electromagnetically controlled thermionic relays. L. M. Potts. 2,352,657; July 4.
Electron discharge device. J. C. Irwin. 2,352,635; July 4.
Electroresponsive device. A. R. van C. Warrington. 2,352,985; July 4.
Engine: *See*—
Diesel engine. Rotary engine.
Internal combustion engine.
Engine breather valve. H. C. Hill. 2,352,898; July 4.
Engine starter. J. W. Fitz Gerald. 2,352,828; July 4.
Engine starter control system. L. C. Dermond. 2,352,774; July 4.
Ethers, Halogenated. W. J. Toussaint. 2,352,745; July 4.
Exhibitor, Changeable. L. J. Gottschalk. 2,353,028; July 4.
Expander. J. Fries, Jr. 2,352,703; July 4.
Extension jack. G. E. Brackett. 2,352,600; July 4.
Fabric and making the same, Knit. S. R. Shelmire and P. Cooper. 2,353,090; July 4.
Fastener: *See*—
Separable fastener. Threaded fastener.
Feed device for powdered material. W. Strauss. 2,352,809; July 4.
Feeder: *See*—
Self-cleaning plate feeder.
Fence stretcher. G. Daugherty. 2,352,694; July 4.
Filing apparatus. J. B. Murray. 2,353,059; July 4.
Film magazine. W. Kriegsheim. 2,353,044; July 4.
Filter: *See*—
Pressure filter.
Filter bed cleaning. J. B. Goldsborough. 2,352,624; July 4.
Fishing reel. R. R. Lawrenz. 2,352,903; July 4.
Fishing tackle, Knee action. E. Guarnieri. 2,352,631; July 4.
Flooring, Metallic. E. Peremi and L. Toth. 2,353,068; July 4.
Fluid actuated brake. V. E. Stevens. 2,352,920; July 4.
Fluid circulating device. W. H. Kuster and E. A. Glynn. 2,352,792; July 4.

Fluid dispensing system. H. C. Grant, Jr. 2,352,627; July 4.
Fluid distribution and control apparatus. D. G. Griswold. 2,352,629; July 4.
Fluid flow indicating and measuring means. M. Alperin. 2,352,607; July 4.
Fluid pump. R. E. Hartline. 2,353,031; July 4.
Fluid seal and cooling same. E. F. Jackman. 2,352,636; July 4.
Fluids, Clarification and cooling of. J. K. Jackson. 3,353,038; July 4.
Fluorescent lamp starter. C. H. Hodgkins. 2,352,713; July 4.
Fluorescent lamp starting and controlling apparatus. L. W. Cook. 2,352,940; July 4.
Fluorescent lighting fixture. L. Schepmoes. 2,352,804; July 4.
Fog production, Artificial. A. G. Anderson and T. S. Derr. 2,352,677; July 4.
Footing. R. G. Le Tourneau. 2,352,904; July 4.
Form for poured concrete, Demountable. R. L. Geer. 2,352,783; July 4.
Frame: *See*—
Spar deck portable plate frame.
Frame for processing photographic negatives. A. C. Burke. 2,352,601; July 4.
Frequency response control circuit. K. B. Austin. 2,352,931; July 4.
Furnace: *See*—
Glass furnace.
Game ball, Reinforced. W. J. Voit and L. C. Weimer. 2,352,872; July 4.
Gaseous CO_2, Generation. J. C. Dittmer. 2,352,775; July 4.
Gaseous discharge tube. S. G. Klumb. 2,352,841; July 4.
Gauge: *See*—
Layout gauge. Strain gauge.
Gauging or sorting machine. F. F. Ruau. 2,353,085; July 4.
Gear: *See*—
Mobile lifting gear.
Gear-cutting machine. L. O. Carlsen. 2,352,689; July 4.
Glass articles, Forming. R. W. Kell. 2,352,957; July 4.
Glass furnace. A. L. Pasquier. 2,352,860; July 4.
Gluing mechanism for box-making machines. C. D. Knowlton. 2,352,720; July 4.
Goggles, Welding. E. Kraski and C. Lutowsky. 3,353,043; July 4.
Grading machine. A. G. B. Metcalf. 2,352,650; July 4.
Graining ink vehicle. R. A. Swain. 2,352,810; July 4.
Gripping and handling clamp, Double-jawed work. J. S. Hazouri and C. O. Barnes. 2,353,032; July 4.
Gun. H. Schirokauer. 2,353,118; July 4.
Harrow, Disk. W. F. McMahon. 2,352,963; July 4.
Harvester, Seed. G. E. Miller. 2,352,854; July 4.
Hay buck and stacker. J. E. Ryan. 2,352,915; July 4.
Headphone. R. S. Pitkin. 2,353,070; July 4.
Heater: *See*—
Aircraft heater.
Heating system for railway cars. V. E. West. 2,353,097; July 4.
Holder: *See*—
Electric holder. Razor blade holder.
Lens holder. Tool holder.
Phonograph record ejecting holder. Work holder.
Holder for neckties or the like. L. K. Singley. 2,352,741; July 4.
Holder for taps, drills, and the like. L. Nachemov. 2,352,857; July 4.
Hook: *See*—
Mud hook.
Hormone intermediates and preparation of same. R. E. Marker. 2,352,648; July 4.
Hormone intermediates and preparation of the same, Steroidal. R. E. Marker. 2,352,848; July 4.
Hose clamp. C. W. Prochaska. 2,352,971; July 4.
Hydraulic force transmission. R. S. Bohannan. 2,352,934; July 4.
Hydraulic transmission and differential gearing. C. A. Norman. 2,353,060; July 4.
Hydrocarbon conversion. J. McAfee. 2,352,755; July 4.
Hydrocarbons, Treatment of. G. A. Ibach. 2,352,789; July 4.
Ice creeper. C. B. Fisher. 2,352,827; July 4.
Illumination control means. H. R. Annis. 2,352,679; July 4.
Indicating or control apparatus in air or water craft. F. W. Meredith. 2,352,649; July 4.
Indicating system, choke valve borehole. G. L. Hassler. 2,352,833; July 4.
Indicator: *See*—
Aircraft inclination indicator. Angle of attack indicator.
Insect repellent. L. W. Wasum. 2,352,746; July 4.
Insole. A. L. Jalbert and E. Quinn. 2,352,715; July 4.
Instruments in their casings, Mounting. R. Avigdor. 2,352,881; July 4.
Intermittent temple thread cutter. J. E. Repass. 2,353,077; July 4.
Internal-combustion engine. M. Essl. 2,352,824; July 4.
Internal combustion engine. W. A. Graves. 2,352,891; July 4.
Internal expanding friction clutch. F. J. Parsons. 2,352,969; July 4.
Internally insulated valve. N. B. Newton. 2,352,799; July 4.
Iron: *See*—
Waffle iron.
Isoprene-cyclopentadiene copolymers. F. J. Soday. 2,352,980; July 4.
Jack: *See*—
Extension jack.
Self-controlled mechanical jack.
Jig for welding structural shapes. A. E. Dittrich. 2,352,697; July 4.
Joint: *See*—
Constant velocity universal joint.
Joint and bar for building structures, Basic. T. Janiszewski. 2,353,039; July 4.
Keyway grinding tool. W. P. Dettloff. 2,352,888; July 4.
Ladder, Chain. H. P. Hopp and E. Kunzelman. 2,353,035; July 4.
Lamps, Operating system for discharge. F. D. Bryant. 2,352,936; July 4.
Layout gauge. J. Zweekly. 2,353,109; July 4.
Lead, Refining. P. G. J. Guesterbock and A. E. Baxter. 2,352,623; July 4.
Leakage testing machine, Container part. H. Schrader. 2,352,916; July 4.
Lens holder. W. P. Canning. 2,352,616; July 4.
Lens mounting. R. F. Metzger. 2,352,729; July 4.
Lifting mechanism for plows. W. A. Doane. 2,352,946; July 4.
Lighter. D. B. Hickman. 2,352,897; July 4.
Light-dividing element. V. J. Schaefer. 2,352,976; July 4.
Lighting fixtures. G. E. Roedding and R. N. Falge. 2,353,082; July 4.
Liquid level control apparatus. D. G. Griswold. 2,352,630; July 4.
Liquid under pressure, Supply and delivery of. L. R. Armitage. 2,352,680; July 4.
Liquids, Treatment of impure. G. M. Darby. 2,352,772; July 4.
Load adjustment, Meter light. L. I. Mendelsohn. 2,352,965; July 4.
Load-positioning means. H. E. Bukowsky. 2,352,885; July 4.
Loading machine. N. D. Levin. 2,353,051-2; July 4.
Lock. R. G. Noble. 2,352,967; July 4.
Lock for freight cars, Endgate. S. L. Davidson. 2,352,887; July 4.
Lock for locking manholes and vault covers. I. H. Witt. 2,352,750; July 4.
Lock nut and making same. C. D. Tripp. 2,352,668; July 4.
Logometer. W. R. Reynolds. 2,352,735; July 4.
Lubricant. R. A. Swenson. 2,352,811; July 4.
Lubricant, Extreme pressure. W. A. Whittier and J. B. Stucker. 2,352,818; July 4.
Lubricator: *See*—
Pneumatic tool lubricator.
Luminaire. T. W. Rolph. 2,352,801; July 4.
Machine center. G. S. Boyd. 2,353,009; July 4.
Machine for conditioning felts of papermaking machines. F. W. Vickery. 2,352,991; July 4.
Machine for dyeing textile fabrics. A. J. Belokopytoff. 2,352,882; July 4.
Machine for recording and registering business transactions. A. C. Whitmer. 2,352,817; July 4.
Machine for smoothing surfaces. G. Clausing. 2,352,690; July 4.
Machine gun cradle structure. J. C. Trotter. 2,352,870; July 4.
Magnesium castings, Making and treating. R. T. Wood. 2,352,990; July 4.
Magnetic field control of heterogeneous catalysts. O. F. Krumboltz. 2,352,791; July 4.
Magneto. K. A. Harmon and S. K. Smart. 2,352,894; July 4.
Manifold. R. L. Hoyle. 2,353,036; July 4.
Marine craft, Folding and nonfolding. C. H. Clark. 2,353,013; July 4.
Mask, Dressing. J. Gautreaux. 2,353,025; July 4.
Meat products, Preparing. W. W. Bowers. 2,352,611; July 4.
Mechanism for shaping sheet metal. C. M. Yoder. 2,352,675; July 4.
Metal bands to articles of manufacture, Applying. H. A. Bondeson. 2,353,008; July 4.
Metal-cleaning process and composition. H. N. Gilbert. 2,353,026; July 4.
Metallic paste pigment. L. J. Mitchell. 2,353,058; July 4.
Microscope, Folding. A. King. 2,352,719; July 4.
Mirror. S. J. Winslow. 2,352,819; July 4.
Mirror, brush, and the like, Hand. S. J. Winslow. 2,352,820; July 4.
Mobile lifting gear. J. Martin. 2,352,962; July 4.
Moistureproof articles, Producing drawn. W. Morton and D. G. Magill. 2,352,652; July 4.
Monoethanolamides and preparation thereof, Sulphated. E. A. Robinson and G. D. Davis. 2,353,081; July 4.
Motor. F. G. and W. M. Folberth. 2,353,022; July 4.

Motor-operated cloth guider. R. Hetherington. 2,352,896; July 4.
Motor speed regulator. W. C. Grabau. 2,352,626; July 4.
Motor testing apparatus. R. Ehrenfeld. 2,352,779; July 4.
Mounting: *See*—
Air heater mounting. Ophthalmic mounting.
Lens mounting.
Mud hook. C. R. Hinds. 2,352,788; July 4.
Music leaf turner. R. Dominguez Agurcia. 2,352,605; July 4.
Nail, Plasterboard. T. P. Camp. 2,353,110; July 4.
Offset rotor vane pump. W. H. Curtis. 2,352,941; July 4.
Oil cooler. E. Garner. 2,352,704; July 4.
Oil compositions, Lubricating. P. R. Van Ess and E. R. White. 2,352,669; July 4.
Oil fuel feed device. J. E. Blanding. 2,352,682; July 4.
Oil wells and the like, Method and apparatus for cleaning. L. N. Scheuermann and G. B. Pecot. 2,352,805; July 4.
Oils, Production and purification of fatty. D. S. Bolley. 2,352,883; July 4.
Ophthalmic mounting. J. M. Riller. 2,352,973; July 4.
Organic materials, Preserving. W. R. Graham, Jr. 2,353,029; July 4.
Organosilicon compound. E. G. Rochow. 2,352,974; July 4.
Ornamental illuminating device. C. W. Otis. 2,353,063; July 4.
Ornamenting machine. B. W. Freeman. 2,352,831; July 4.
Oven broiler. W. T. Bradbury. 2,352,613; July 4.
Oxidation products from sapogenin derivatives and preparation of same. R. E. Marker. 2,352,853; July 4.
Packaging machine. G. A. Robinson. 2,352,863; July 4.
Packer, Open hole removable. A. T. Ferris. 2,352,700; July 4.
Packing frangible articles. R. R. Sawin. 2,352,803; July 4.
Packing machine for containers and the like. A. Sowden. 2,352,663; July 4.
Paper and envelope, Combined writing. B. Foreman. 2,352,890; July 4.
Paper box. W. H. Bogue. 2,352,766; July 4.
Paper, Coating. H. B. Richmond and G. K. Dickerman. 2,352,658; July 4.
Paper manufacture. J. J. Thomas, R. A. Diehm, and I. C. Somerville. 2,352,922; July 4.
Parachute. G. N. Vernon. 2,352,871; July 4.
Parachute and automatic opening device therefor. P. Krahel. 2,352,721; July 4.
Partition construction. G. L. Fowles and C. J. Nocar. 2,352,702; July 4.
Perforating apparatus. A. C. Holt. 2,353,034; July 4.
Phasing device for synchronous telegraph systems. J. L. Callahan. 2,352,688; July 4.
Phonograph record ejecting holder. J. J. Hart. 2,352,710; July 4.
Photographic coating. J. Dessauer. 2,352,822; July 4.
Photographic printing. G. F. Rackett. 2,352,914; July 4.
Physiologically active substance. P. J. Daughenbaugh. 2,353,016; July 4.
Piano action. J. C. Potwin. 2,353,074; July 4.
Pipe lining apparatus. W. R. Brend. 2,352,768; July 4.
Piperylene-cyclopentadiene copolymers. F. J. Soday. 2,352,981; July 4.
Piston construction, Expansion controlling. A. M. Alexandrescu. 2,352,592; July 4.
Pitch propeller control, Variable. J. H. Hammond, Jr., and G. A. Colley. 2,352,786; July 4.
Plate frame, Spar deck portable. J. W. Yellen. 2,352,674; July 4.
Plate printing machine, Intaglio. V. Larocca. 2,353,048; July 4.
Plate rectifier. C. A. Kotterman. 2,352,640; July 4.
Plug-in socket device. W. A. Daenz. 2,352,618; July 4.
Pneumatic tool lubricator. E. L. Finch. 2,352,826; July 4.
Pocket cigarette-making machine. M. Alland. 2,352,999; July 4.
Porous compressible materials, Method of and apparatus for determining physical properties of. K. L. Hertel. 2,352,836; July 4.
Porous materials, Apparatus for and method of determining physical properties of. K. L. Hertel. 2,352,835; July 4.
Pressure filter. C. D. Nugent. 2,352,732; July 4.
Pressure relieving device. R. W. Tryon. 2,353,093; July 4.
Pressure sprinkler system, Low air. H. N. Rider. 2,352,996; July 4.
Pressure tank sprinkler system with secondary supply. H. N. Rider. 2,353,116; July 4.
Pressure tank sprinkler system with secondary supply, Deluge or preaction. H. N. Rider. 2,353,117; July 4.
Preventing deposits within water formations and on well screens. N. E. Gunderson. 2,352,832; July 4.
Printing ink and preparing the same. H. A. Seil and H. Cole. 2,352,659; July 4.
Printing mechanism. A. W. Mills. 2,353,057; July 4.
Printing plates and the like, Forming and conditioning composite. A. E. Lundbye. 2,352,905; July 4.
Printing telegraph apparatus. C. A. Levin. 2,352,643; July 4.
Protective structure for mirrors. R. H. Turner. 2,352,923; July 4.
Protective system, Fire. L. M. Lewis. 2,352,843; July 4.
Puller: *See*—
Ball-bearing puller.
Pulse register circuit. R. O. Soffel. 2,352,742; July 4.
Pump: *See*— Offset rotary vane pump.
Electric fuel pump. Rotary pump.
Fluid pump.
Puzzle. W. R. Irwin. 2,353,037; July 4.
Raceways. Method of and apparatus for generating arcuate. E. B. Anderson. 2,352,753; July 4.
Radio receiver system. J. I. Davis and H. B. Saunders. 2,353,111; July 4.
Radiological method of logging wells. M. M. Albertson. 2,352,993; July 4.
Railway traffic controlling apparatus. F. W. Prieging. 2,352,800; July 4.
Railway truck. A. C. Davidson. 2,352,693; July 4.
Range finder. W. L. Douden. 2,352,777; July 4.
Razor blade holder. E. Olszewski. 2,353,062; July 4.
Razor, Magazine safety. N. Testi. 2,352,813; July 4.
Reaction of formaldehyde with acrylonitrile and product. J. F. Walker. 2,352,671; July 4.
Receiving apparatus for train control systems. R. K. Crooks. 2,352,687; July 4.
Receptacle. J. J. Morgan. 2,352,994; July 4.
Receptacle and junction box and units, Insulated. W. M. Parker. 2,352,913; July 4.
Record sensing device. J. W. Armbruster. 2,353,003; July 4.
Recorder. J. B. Mangan. 2,352,907; July 4.
Recording machine. R. I. Roth. 2,353,083; July 4.
Reel: *See*—
Fishing reel.
Reeling device. C. S. Roosa. 2,352,737; July 4.
Refrigeration. C. Miller. 2,352,798; July 4.
Refrigeration. A. R. Thomas. 2,352,814; July 4.
Regulator: *See*—
Motor speed regulator.
Regulator and choke in combination, Button hole. A. Boynton. 2,352,612; July 4.
Removable sanitary pipe coupling. H. W. Cheney. 2,353,012; July 4.
Reserve shuttle control for shuttle changing looms. A. J. Chevrette. 2,352,770; July 4.
Reservoir, Fluid. W. S. Wright. 2,352,751; July 4.
Resin and making the same, Water-soluble biuret. E. D. McLeod. 2,352,796; July 4.
Road pavement, Bituminous. H. S. Goodwin. 2,353,027; July 4.
Rotary engine. H. F. Wolstenholme. 2,352,877; July 4.
Rotary hook for sewing machines. E. J. Billington. 2,352,598; July 4.
Rotary pump. W. L. Davis. 2,353,015; July 4.
Ruffling attachment for sewing machines. V. J. Sigoda. 2,352,660; July 4.
Safety landing switch for airplanes, Automatically operable. J. A. Dann. 2,352,692; July 4.
Safety razor blade sharpener. W. W. Phillips. 2,353,066; July 4.
Safety sleeve. F. O. C. Brown. 2,352,614; July 4.
Safety switch. T. Stevenson and B. Volin. 2,352,664; July 4.
Salts of styphnic acid, manufacturing. J. D. McNutt and S. D. Ehrlich. 2,352,964; July 4.
Sapogenin derivatives and preparation of same. R. E. Marker. 2,352,850; July 4.
Sapogenin derivatives and preparation of same. R. E. Marker, H. M. Crooks, Jr., and E. L. Wittle. 2,352,851; July 4.
Sapogenin transformation products and preparation of the same. R. E. Marker. 2,352,852; July 4.
Satellite communication system. T. A. Marshall. 2,353,055; July 4.
Scale, Precision. E. D. Hurley. 2,352,838; July 4.
Scale, Weighing. R. S. Bohannan. 2,352,935; July 4.
Scoop, Air intake. D. J. Jordan. 2,352,790; July 4.
Scrap steel, Recovery and use of. E. H. Heckett. 2,352,712; July 4.
Screen plates, Making paper pulp. S. T. Orton. 2,352,968; July 4.
Screw driver. G. W. Scott. 2,352,917; July 4.
Screw for plastics. J. J. Tomalis. 2,352,982; July 4.
Seal, Fluid. H. D. Geyer. 2,352,784; July 4.
Sealing head and machine. K. R. Karlson. 2,352,899; July 4.
Seismic surveying. J. F. Tolk. 2,352,869; July 4.
Seismograph amplification gain control. C. H. Fay. 2,352,825; July 4.
Self-automatic mechanical jack. J. F. Fanés. 2,353,021; July 4.
Self-cleaning plate feeder. H. R. Patterson. 2,353,067; July 4.
Separable fastener. M. Winterhalter. 2,353,106; July 4.
Separating mixed materials, Apparatus for and method of. W. L. Remick. 2,352,972; July 4.
Serving plate. J. S. Braddock. 2,352,684; July 4.
Sewing machines, Button. F. A. Reece. 2,352,734; July 4.
Shaped products. W. H. Markwood, Jr. 2,352,725; July 4.
Shaving device. R. Naegeli. 2,352,909; July 4.
Shaving stick. E. N. Brown. 2,352,769; July 4.

Sheet metal building construction, Corrugated. J. M. Brinker. 2,352,884; July 4.
Shoe sewing machine and driving and stopping mechanism therefor. O. R. Haas. 2,352,708; July 4.
Signal mechanism. G. E. Ford. 2,352,830; July 4.
Signaling system. M. I. Hull. 2,352,634; July 4.
Signaling system. Coded track circuit. S. N. Wight. 2,352,987; July 4.
Signaling system for railroads, Block. O. B. Webster and N. B. Coley. 2,352,986; July 4.
Sill member for frames in building constructions, Metallic. E. Pitou. 2,353,073; July 4.
6-Bz-1-dibromobenzanthrone, Preparing. H. R. Lee and C. F. Belcher. 2,353,049; July 4.
Skate, Ice. S. Bloom. 2,352,599; July 4.
Skeleton structure. E. Pitou. 2,353,071; July 4.
Slack or cuttings removing attachment for kerf-cutting machines. G. Bodin. 2,352,683; July 4.
Slack or cuttings removing device for kerf-cutting machines. W. T. McCullough. 2,352,795; July 4.
Sleigh attachment, Baby's carriage. E. R. Morando. 2,352,966; July 4.
Snow removal device. J. Veneziano. 2,353,094; July 4.
Spring balance. W. J. Lyons. 2,352,906; July 4.
Stand: *See*—
Beauty parlor stand.
Stapling device. M. Vogel. 2,352,997; July 4.
Starch bearing food, Dried. Z. Volpertas. 2,352,670; July 4.
Stationery, Continuous-form. G. L. Barker. 2,352,757; July 4.
Steel, Etching. C. P. Dyer. 2,353,019; July 4.
Steroid derivatives and preparing same, Halogenated. R. E. Marker. 2,352,849; July 4.
Strain gauge. N. L. Haight. 2,352,953; July 4.
Strand tension indicating device. H. R. Thornton. 2,353,092; July 4.
Strand twisting apparatus. A. E. Winslow. 2,353,101–5; July 4.
Styrene, Recovery of. M. C. J. Jones and A. A. Wells. 2,353,040; July 4.
Sulphonated products, Preparing. J. T. Eaton and P. W. Volk. 2,352,698; July 4.
Support for conduits, Universal. H. R. Ellinwood. 2,352,823; July 4.
Supporting clip. E. M. Morehouse. 2,352,856; July 4.
Switch: *See*—
Accessory circuit switch. Safety switch.
Electric switch.
Table attachment, over-bed. W. A. Hillenbrand. 2,352,837; July 4.
Tape perforating system. W. E. Walker. 2,352,925; July 4.
Telegraph system. H. M. Bascom. 2,353,004; July 4.
Telephone and telegraph system, Two-way. J. E. Smith. 2,352,918; July 4.
Telephone booth. F. A. Kuntz. 2,353,046; July 4.
Television apparatus. V. J. Duke. 2,353,018; July 4.
Temperature control system. A. H. Koch. 2,353,042; July 4.
Tentering machine. J. Kreeft. 2,352,902; July 4.
Threaded fastener. E. M. Green. 2,353,030; July 4.
Tong guard. E. F. Codner. 2,352,603; July 4.
Tool: *See*—
Clamp applying tool. Keyway grinding tool.
Tool for high-tension lines. B. B. Broadbooks. 2,352,686; July 4.
Tool for stringing tennis rackets. B. F. Miessner. 2,352,730; July 4.
Toolholder. A. W. Poreau. 2,353,115; July 4.
Toolholder. I. A. Rice. 2,353,079; July 4.
Toy. S. H. Gainsley. 2,352,676; July 4.
Toy, Figure. S. T. Hayes. 2,352,895; July 4.
Track block. C. W. Leguillon and A. S. Krotz. 2,353,050; July 4.
Tractor, Wheel equipped. G. S. Allin. 2,352,593; July 4.
Transducer. H. B. Shapiro. 2,353,089; July 4.
Transfer arm. M. D. Heyman. 2,352,632; July 4.
Transfer method and instrument. J. L. Buckmaster. 2,352,615; July 4.
Traversing apparatus. E. Fletcher and E. J. Fisher. 2,352,781; July 4.
Triazole derivatives. G. F. D'Alelio. 2,352,944; July 4.
Trimethylene chlorbromide. C. B. Gardnier. 2,352,782; July 4.
Trimming and forming machine and the like. W. A. Weightman. 2,352,816; July 4.
Trimming device, Intermittent selvage. J. E. Repass. 2,353,076; July 4.
Tripod case. R. F. Love. 2,352,794; July 4.
Truck, Car. F. E. Backman. 2,352,595; July 4.
Truck for moving skeleton frames for hut constructions. E. Pitou. 2,353,072; July 4.
Tube: *See*—
Gaseous discharge tube.
Tube expanding and flaring machine. A. L. Parker. 2,352,912; July 4.
Typewriting machine. R. Von Reppert. 2,353,095; July 4.
Universally adjustable swivel base. N. R. Schwartz. 2,352,806; July 4.
Utility box flag. G. A. Roe. 2,352,975; July 4.
Vacuum cleaner fan shaft seal. R. E. Dunbar. 2,352,947; July 4.
Valve: *See*—
Engine breather valve. Internally insulated valve.
Valve. D. G. Griswold. 2,352,628; July 4.
Variable intermittent motion device. A. E. Miller. 2,352,797; July 4.
Vehicle: *See*—
Graining ink vehicle.
Ventilator. J. A. Conboie. 2,352,821; July 4.
Vessel, sailing. E. L. Blackman. 2,353,007; July 4.
Vitamin-containing materials, Refining fat-soluble. L. O. Buxton. 2,353,011; July 4.
Voltage control means. W. O. Frohring. 2,352,621; July 4.
Waffle iron. A. P. Gruenke, and B. E. Stair. 2,352,706; July 4.
Wall panel. P. S. Huyssen. 2,352,714; July 4.
Wallpaper machine. W. E. Shoemaker. 2,352,978; July 4.
Warfare, Sea. F. M. Rabuse. 2,352,862; July 4.
Waste solutions containing sulphur, etc., Reclaiming of constituents from. J. August, Jr. 2,352,594; July 4.
Water heating system, Progressive. E. S. Stack. 2,352,919; July 4.
Weapon, Arm. E. J. Stoltz. 2,352,921; July 4.
Weld strength testing apparatus. F. Martindell. 2,353,056; July 4.
Welding. L. T. Jones. 2,352,716; July 4.
Welding rod box. J. M. Brinker. 2,352,685; July 4.
Wheel and brake assembly. J. A. Forbes. 2,352,829; July 4.
Winding apparatus. E. Fletcher. 2,352,780; July 4.
Window or door stop. A. R. Kinish. 2,352,639; July 4.
Windshield and mounting, Safety. H. C. McMahon. 2,352,727; July 4.
Wood for gutters, Downspout of. N. T. MacKenzie. 2,353,113; July 4.
Work handling mechanism. A. W. Maulding. 2,352,726; July 4.
Work holder. E. Ennis. 2,352,699; July 4.
Work holder. C. Weidauer. 2,353,096; July 4.
Work pieces by means of resistance welding, Joining. B. Anderson and H. Wängsjö. 2,352,754; July 4.
Wringer, Mop. R. O'Neil. 2,352,910; July 4.
Wringer, Toilet seat. A. O. McGowan, Jr. 2,352,845; July 4.
Yarn for water pressure hose, Cotton. C. F. Goldthwaite. 2,352,707; July 4.
Yarn, Making twisted multifilament. J. E. Pierce. 2,352,861; July 4.
Zein solutions directly from gluten. Preparing. R. E. Coleman. 2,352,604; July 4.

CLASSIFICATION OF PATENTS

ISSUED JULY 4, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1—	49: 2,352,997	57—	116: 2,353,100	94—	13: 2,352,892	153—	28: 2,352,675	189—	34: 2,353,068	240—	1.2: 2,352,801
2—	8: 2,353,043	58—	95: 2,352,889		17: 2,352,673		32: 2,352,703		36: 2,353,039		10: 2,353,063
	42: 2,352,806	60—	44: 2,352,891	95—	2: 2,352,864		79: 2,352,912		42: 2,352,904		48: 2,353,062
	76: 2,352,886		54.6: 2,352,920		7: 2,352,822	154—	2: 2,352,637	192—	62: 2,352,946		78: 2,352,804
	174: 2,353,025	62—	91.5: 2,352,775		100: 2,352,601		2,352,705		85: 2,352,969	242—	2: 2,352,737
	209: 2,352,614		119: 2,352,814	98—	33: 2,352,821		45.9: 2,352,900		93: 2,352,596		43: 2,352,780
5—	13: 2,352,989		125: 2,352,798	99—	8: 2,353,029	155—	27: 2,352,678	193—	42: 2,352,879		2,352,781
	59: 2,352,961		129: 2,352,748		160: 2,352,611		180: 2,352,938	196—	49: 2,352,755		71: 2,353,044
8—	22: 2,352,701	64—	21: 2,352,776		207: 2,352,670	160—	271: 2,352,609		52: 2,353,119		78: 2,352,959
9—	2: 2,353,013	65—	15: 2,352,684		381: 2,352,706	161—	9: 2,353,042		69: 2,352,789	244—	1: 2,352,692
	6: 2,353,020	66—	202: 2,353,090		406: 2,353,024		15: 2,352,735	197—	53: 2,352,643		53: 2,352,793
12—	80: 2,352,656	67—	7.1: 2,352,897	100—	31: 2,352,623	164—	60: 2,352,816		178: 2,353,095		78: 2,352,649
15—	260: 2,352,910	68—	248: 2,352,845	101—	93: 2,353,057		61: 2,352,937	198—	11: 2,353,051		2,352,878
18—	47.5: 2,352,861	70—	168: 2,352,750		159: 2,353,048		113: 2,353,034		2,353,052		130: 2,352,790
	48: 2,352,725		232: 2,352,967		235: 2,352,802		2,353,046		177: 2,352,840		142: 2,352,871
	2,352,867	72—	16: 2,352,714		317: 2,352,907	166—	1: 2,352,744		227: 2,353,067		147: 2,352,721
	2,353,023	73—	51: 2,352,638		320: 2,352,831		2,352,834	200—	5: 2,352,936	246—	33: 2,352,800
20—	3.5: 2,353,045		2,352,779	103—	111: 2,352,636		2: 2,352,612		70: 2,352,815		2,352,986
	68: 2,352,639		2,352,833		129: 2,352,877		12: 2,352,700		83: 2,353,075		2,352,987
21—	2: 2,352,787		2,352,835		138: 2,352,941		16: 2,352,805		84: 2,352,830		38: 2,352,743
22—	193: 2,352,842		2,352,836		2,353,015		21: 2,352,832		116: 2,352,928		63: 2,352,687
	203: 2,352,905		2,352,880	215:	2,353,069	167—	30: 2,352,746		122: 2,352,713	248—	74: 2,352,823
23—	110: 2,352,738		2,352,916	105—	197: 2,352,595		74: 2,353,016		142: 2,352,664		2,352,856
	226: 2,352,594	110:	2,352,881		2,352,693	169—	2: 2,352,843		149: 2,352,984		168: 2,352,794
24—	19: 2,352,971		180: 2,352,955		308: 2,352,887		9: 2,353,116	204—	24: 2,352,968		201: 2,352,717
	113: 2,352,731		212: 2,352,607		420: 2,352,718		2,353,117		116: 2,352,625		346: 2,352,806
	205: 2,353,106	74—	7: 2,352,828	106—	153: 2,352,694		17: 2,352,995		155: 2,352,791		352: 2,353,021
25—	103: 2,352,771		30: 2,352,672	107—	54: 2,352,617		2,352,996	206—	3: 2,352,968		361: 2,353,017
	131: 2,352,783		189.5: 2,353,060	108—	1: 2,352,884	170—	135.6: 2,352,786		16: 2,352,685	249—	18: 2,353,005
	156: 2,353,000		217: 2,352,797	110—	45: 2,353,087	171—	97: 2,352,988		56: 2,352,769	250—	9: 2,352,634
26—	62: 2,352,902	75—	30: 2,352,712	112—	114: 2,352,681		2,353,014		65: 2,352,803		20: 2,353,111
28—	71.6: 2,352,868	76—	1: 2,352,855		2,352,734		209: 2,352,894		78: 2,352,633		27.5: 2,352,635
29—	33: 2,353,054	77—	58: 2,353,079		134: 2,352,660		223: 2,352,619	207—	2: 2,352,990		2,352,657
	49: 2,353,115	78—	15: 2,353,008		219: 2,352,708		2,352,620	209—	89: 2,353,085		2,352,841
	263: 2,352,739		46: 2,352,733		228: 2,352,598		264: 2,352,965		158: 2,352,972		2,352,893
	268: 2,352,722	81—	5.1: 2,352,917	113—	51: 2,352,652		325: 2,353,047	210—	16: 2,352,772		2,352,933
	284: 2,352,857		53: 2,352,686		59: 2,352,697		327: 2,353,089		2,352,901		2,352,992
30—	34: 2,352,785		66: 2,352,603	114—	91: 2,353,007	172—	239: 2,352,626		52.5: 2,353,038		33: 2,352,977
	2,352,909	82—	33: 2,353,009	116—	129: 2,353,099		284: 2,353,107		128: 2,352,624		83.6: 2,352,998
	40: 2,352,813	83—	53: 2,352,970	117—	51: 2,353,019	173—	328: 2,352,618		131: 2,352,732	251—	156: 2,352,799
	296: 2,352,921	84—	240: 2,353,074		59: 2,352,740		2,353,061	211—	96: 2,352,741	252—	12: 2,352,811
31—	13: 2,352,666		480: 2,352,597		111: 2,352,658		2,353,114	214—	1: 2,352,726		33: 2,352,669
32—	60: 2,352,808		487: 2,352,605		144: 2,352,747		334.1: 2,352,654		140: 2,352,915		48: 2,352,818
33—	41: 2,352,695	85—	28: 2,353,110	119—	54: 2,352,859	174—	52: 2,352,913	219—	8: 2,352,939		59: 2,353,053
	103: 2,352,838		46: 2,353,020	121—	158: 2,353,022	175—	294: 2,352,985		10: 2,352,716		153: 2,353,081
	147: 2,352,650		47: 2,352,982		194: 2,352,898		336: 2,352,765		2,352,754		265: 2,352,932
	170: 2,353,109	86—	1: 2,352,844	122—	14: 2,352,919		339: 2,352,948		46: Re.22,512		354: 2,352,698
	215: 2,352,758		2,352,976	123—	31: 2,352,682		366: 2,352,640	220—	64: 2,352,865		359: 2,352,677
35—	1: 2,352,862		2.3: 2,352,644		43: 2,353,065	177—	7: 2,352,602		97: 2,352,667	254—	7: 2,353,072
36—	22: 2,352,715		2.7: 2,352,777		76: 2,352,824		311: 2,352,653	222—	3: 2,352,627		83: 2,352,694
	62: 2,352,827		24: 2,352,615	125—	11: 2,352,661		352: 2,352,825		156: 2,352,809		98: 2,352,600
37—	45: 2,353,094		2,352,914		2,352,662		2,352,869		189: 2,352,958		139.1: 2,352,902
40—	77: 2,353,026		39: 2,352,719	126—	263: 2,352,951		353: 2,352,742	225—	21: 2,353,080	255—	45: 2,353,006
	154: 2,352,890		41: 2,352,973		338: 2,352,613		380: 2,352,724	226—	23: 2,352,563	257—	2: 2,352,704
43—	23: 2,352,903		47: 2,352,729	128—	2.05: 2,352,874	178—	2: 2,353,055		56: 2,352,999		3: 2,352,930
	28: 2,352,631		101: 2,352,819		2,352,875		4: 2,353,053		82: 2,352,761	260—	2: 2,352,796
44—	66: 2,352,760		102: 2,352,820		249: 2,352,610		44: 2,353,018		2,352,762		2,352,974
45—	2: 2,353,059		105: 2,352,923	131—	47: 2,352,999		53: 2,352,688		2,352,763		22: 2,352,810
46—	114: 2,352,676	89—	33: 2,353,118		240: 2,352,756		63: 2,353,004		88: 2,352,949		23: 2,352,979
	133: 2,352,895		35: 2,352,954	134—	2: 2,353,026		92: 2,352,925		88.1: 2,352,764		2,352,980
47—	59: Pl.Pt.633		36: 2,353,086	136—	133: 2,352,759		2,352,952		95: 2,352,863		2,352,981
49—	54: 2,352,860		37.5: 2,352,870	137—	53: 2,353,093	179—	1: 2,352,696	228—	40: 2,353,035		29: 2,352,659
	85: 2,352,957	90—	6: 2,352,689		68: 2,352,630		2,352,711	229—	7: 2,352,766		31: 2,353,058
51—	90: 2,352,753		28.1: 2,352,873		69: 2,352,642		4: 2,352,918		27: 2,352,927		42: 2,352,942
	101: 2,352,608		59: 2,253,096		139: 2,352,628		90: 2,352,723		35: 2,352,994		2,352,943
	145: 2,352,690	91—	2: 2,352,773		144: 2,352,629		156: 2,353,070	230—	95: 2,352,792		210: 2,352,851
	170: 2,352,888		2,352,839	138—	28: 2,353,113		171: 2,352,931		117: 2,353,031		239.5: 2,352,849
	216: 2,352,616		9: 2,352,882		53: 2,352,876		2,352,956		132: 2,352,947		2,352,850
	218: 2,353,062		12: 2,353,084		76: 2,352,707	180—	1: 2,352,929	232—	35: 2,352,975		2,352,852
	235: 2,353,066		14: 2,352,978	139—	161: Re. 22,509		17: 2,352,593	234—	2: 2,352,817		2,352,853
55—	30: 2,352,963		44: 2,352,749		232: 2,352,770	181—	40: 2,353,036	235—	32: 2,352,846		251: 2,352,945
56—	130: 2,352,854		2,352,768		266: 2,353,076	184—	55: 2,352,826		2,352,847		308: 2,352,944
57—	58: 2,353,101		49: 2,352,720		2,353,077	188—	79.5: Re.22,513		61.7: 2,353,001		364: 2,353,049
	2,353,102	92—	21: 2,352,922		2,353,078		152: 2,352,829		61.8: 2,353,002		367: 2,353,041
	2,353,103		50: 2,352,991	140—	71.5: 2,352,651	189—	1: 2,353,071		61.11: 2,353,003		374: 2,352,752
	2,353,104	93—	3: 2,352,645	144—	208: 2,352,885		2,353,073		98: 2,352,622		378: 2,353,010
	2,353,105		2,352,646	148—	3: 2,352,990		34: 2,352,674	236—	21: Re. 22,511		2,353,108
	81: 2,352,647		54.2: 2,352,665	151—	21: 2,352,668		2,352,702	237—	12.3: 2,353,112		397.4: 2,352,848
	2,353,092	94—	9: 2,353,027	152—	226: 2,352,788		2,352,807		31: 2,353,097		397.5: 2,352,648

260—	420:	2,353,011	260—	669:	2,353,040	265—	1:	2,352,730	271—	64:	2,352,983
	428.5:	2,352,883		683.4:	Re.22,510			2,352,953	273—	65:	2,352,872
	435:	2,352,964		683.5:	2,353,098			2,353,033		157:	2,353,037
	464:	2,352,671		808:	2,352,950		14:	2,353,056	274—	1:	2,352,778
	472:	2,352,691	261—	47:	2,352,924		47:	2,352,934	280—	8:	2,352,966
	535:	2,352,641		93:	2,352,767			2,352,935		11.12:	2,352,599
	583:	2,353,091		114:	2,352,655		68:	2,352,906	282—	11.5:	2,352,757
	615:	2,352,745	262—	30:	2,352,683	266—	4:	2,352,709	285—	25:	2,352,728
	617:	2,352,606			2,352,795	270—	58:	2,352,926		122:	2,353,012
	658:	2,352,782	264—	3:	2,352,736	271—	2.6:	2,352,896	286—	11:	2,352,784

287—	12:	2,352,690	308—	35:	2,352,911						
290—	37:	2,352,774	309—	11:	2,352,592						
294—	86:	2,352,632		33:	2,352,812						
	106:	2,353,032	311—	20:	2,352,837						
296—	84:	2,352,727		95:	2,353,064						
299—	90:	2,352,680	312—	19:	2,352,710						
303—	1:	2,352,751		44:	2,352,858						
305—	10:	2,353,050	315—	100:	2,352,940						
308—	6:	2,353,088		296:	2,352,621						
	26:	2,352,908		322:	2,352,679						

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,352,609:	160—	271	2,352,722:	29—	268	2,352,787:	21—	2	2,352,857:	29—	284
2,352,631:	43—	28	2,352,728:	285—	25	2,352,803:	206—	65	2,352,861:	18—	47.5
2,352,650:	33—	147	2,352,739:	29—	263	2,352,808:	32—	60	2,352,863:	226—	95
2,352,651:	140—	71.5	2,352,741:	211—	96	2,352,811:	252—	12	2,352,868:	28—	71.6
2,352,659:	260—	29	2,352,748:	62—	129	2,352,821:	98—	33	2,352,870:	89—	37.5
2,352,678:	155—	27	2,352,764:	226—	88.1	2,352,837:	311—	20	2,352,873:	90—	28.1
2,352,686:	81—	53	2,352,766:	229—	7	2,352,842:	22—	193	2,352,877:	103—	129
2,352,707:	138—	76	2,352,785:	36—	34	2,352,854:	66—	130	2,352,901:	210—	16

2,352,909:	30—	34	2,353,049:	260—	364						
2,352,925:	178—	92	2,353,051:	198—	11						
2,352,958:	222—	189	2,353,053:	252—	59						
2,352,977:	250—	33	2,353,064:	311—	95						
2,352,982:	85—	47	2,353,069:	103—	215						
2,352,994:	220—	35	2,353,072:	254—	7						
2,353,014:	171—	97	2,353,092:	57—	81						
2,353,026:	134—	2									

CLASSIFICATION OF DESIGNS

D 1—12:	Des.138,182	D19— 1:	Des.138,201	D34—15:	Des.138,190	D45—19:	Des.138,202	D58— 6:	Des.138,192	D80— 9:	Des.138,204
D 3— 4:	Des.138,197	D24— 1:	Des.138,180		Des.138,191		Des.138,203		Des.138,205		Des.138,208
26:	Des.138,215	D25— 1:	Des.138,214		Des.138,193	D46— 1:	Des.138,179	8:	Des.138,198	D83— 8:	Des.138,195
D 6— 2:	Des.138,213	D26—14:	Des.138,212		Des.138,194	D48—20:	Des.138,209		Des.138,209	D86—10:	Des.138,199
D 7— 7:	Des.138,210	D29—20:	Des.138,207		Des.138,195	D54—13:	Des.138,187	D71— 1:	Des.138,216	D91— 1:	Des.138,183
	Des.138,211	D34—13:	Des.138,177	D37— 1:	Des.138,206		Des.138,188		Des.138,217		Des.138,184
D17— 1:	Des.138,185		15: Des.138,178	D45—10:	Des.138,181		Des.138,189		Des.138,218	D93— 4:	Des.138,186

U. S. GOVERNMENT PRINTING OFFICE: 1944

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

MINNESOTA MINING & MANUFACTURING COMPANY

v.

COE, COMMISSIONER OF PATENTS

No. 8,592. Decided May 1, 1944

1. AMENDMENTS—AFTER FINAL REJECTION—CLAIMS COPIED FOR PURPOSE OF INTERFERENCE.

Held that the Commissioner did not abuse his discretion in refusing the entry, after final rejection, of certain claims copied from another application to provoke an interference, and that the judgment of the district court dismissing the complaint by appellant for a mandatory injunction would be affirmed.

2. SAME—SAME—SAME.

The practice of the Patent Office in refusing, after final rejection of an application, to consider amendments which have no relation to clarifying the issues on appeal, except after a showing of good and sufficient reasons why they were not earlier presented *Held* consistent with the second paragraph of section 4903 R. S., which recites that "No amendment for the first time presenting or asserting a claim which is the same as, or for substantially the same subject matter as, a claim of an issued patent may be made in any application unless such amendment is filed within one year from the date on which said patent was granted."

3. SAME—SAME—SAME.

Held that nothing in the second paragraph of section 4903 R. S. "suggests that an amendment can be made as a matter of right after final rejection of an application" and that "to indulge in such an interpretation would permit an applicant unduly to prolong the pendency of his application without a showing of good cause."

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Harold J. Kinney (*Mr. Charles S. Grindle* of counsel) for Minnesota Mining & Manufacturing Company.

Mr. W. W. Cochran for the Commissioner of Patents.

Before MILLER, EDGERTON and ARNOLD, Associate Justices

ARNOLD, *A. J.*:

The court below dismissed a complaint for a mandatory injunction to require the Commissioner of Patents to enter and consider certain amended claims to a patent application which had been filed in 1938 as a division and continuation in part of an earlier application filed in 1933.

The parent application was finally rejected in 1941, after appellant had presented 88 claims. After that final rejection the appellant submitted the further amendments involved in this case which present 9 new claims, some of which are copied from another patent. The purpose of the amendments is to provoke an interference.

In September, 1941, the Examiner refused to enter the amendments on the ground that the application had been finally rejected and was not open to further amendment. Thereafter, appellant filed a series of petitions requesting that the claims be entered and acted upon, all of which were denied.

It is the contention of appellant that he is entitled to have his amendments entered and considered under the second paragraph of section 4903, which reads as follows:

"No amendment for the first time presenting or asserting a claim which is the same as, or for substantially the same subject matter as, a claim of an issued patent may be made in any application unless such amendment is filed within one year from the date on which said patent was granted." [1]

It is the position of the Patent Office that the above paragraph does not confer any absolute right of amendment after final rejection. It merely puts a limitation of one year on the time during which the Commissioner may, in his discretion, allow an amendment to be entered and considered.

The second paragraph of rule 68 of the Patent Office permits amendments in the circumstances disclosed in this case which cancel claims or present those rejected "in better form for consideration on appeal".[2] The amendments here are admittedly for the purpose of provoking an interference; they do not come within that provision of the rule. For the same reason, they do not come within our ruling in *Coe* v. *U. S. ex rel Remington Rand, Inc.*[3] In that case we directed the Patent Office to consider an amended claim which was presented not for the purpose of provoking an interference but to overcome the new ground of objection by the Examiner.

[1][2][3] According to its rules and practice[4] the Patent Office will refuse, after final rejection of an application, to consider amendments which have no relation to clarifying the issues on appeal, except after a showing of good and sufficient reasons why they were not earlier presented. We believe that this practice is consistent with the statute. Nothing in the paragraph quoted above suggests that an amendment can be made as a matter of right after final rejection of an application. To indulge in such an interpretation would permit an applicant unduly to prolong the pendency of his application without a showing of good cause. The rights of an applicant are amply protected by the third paragraph of rule 68.[5]

Nothing in the record indicates that the Commissioner abused his discretion. The judgment of the court below will, therefore, be affirmed.

Affirmed.

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[1] R. S. § 4903, 35 U. S. C. A. § 51.

[2] "After such action upon an application as will entitle the applicant to an appeal to the Board of Appeals (rule 134), or after appeal has been taken, amendments canceling claims or presenting those rejected in better form for consideration on appeal may be admitted; . . ." Rules of Practice, U. S. Patent Office, rule 68 (1942).

[3] 469 O. G. 763, 65 App. D. C. 387, 84 F.(2d) 240 (1936).

[4] *Ex parte Shohan*, 522 O. G. 501, 48 U. S. P. Q. 326, 1941 C. D. 1.

[5] "If amendments touching the merits of the application be presented, after the case is in condition for appeal, or after appeal has been taken, they may be admitted upon a showing, duly verified, of good and sufficient reasons why they were not earlier presented." Rules of Practice, U. S. Patent Office, rule 68 (1942).

U. S. Court of Customs and Patent Appeals

IN RE BARNES ET AL.

No. 4,824. Decided February 7, 1944

[140 F.(2d) 1006]

PATENTABILITY—PRODUCTION OF AMMONIUM ALKALI METAL FERRICYANIDE.

Certain claims to a method of producing ammonium alkali metal ferricyanide *Held* patentable.

APPEAL from the Patent Office. Reversed.

Mr. Ellis S. Middleton for Barnes et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 1, 2, 3, 5 to 16, inclusive, 18, and 19 in appellants' application for a patent for an alleged invention relating to a method of producing ammonium alkali metal ferricyanide.

Six claims have been allowed, three (Nos. 21, 22, and 23) were allowed by the Primary Examiner and Nos. 4, 17, and 20 were allowed by the Board of Appeals.

So far as the issues here are concerned, claim 1 is illustrative of the appealed claims. It reads:

1. A method of producing ammonium alkali metal ferricyanide which includes reacting in aqueous solution an inorganic ammonium salt and alkali metal ferricyanide.

The references relied upon by the Primary Examiner are: Buchanan et al., 1,667,839, May 1, 1928; Grove, 2,005,698, June 18, 1935.

The appealed claims were rejected by the Primary Examiner on the prior art of record, and also upon the ground that they were broader than appellants' disclosure.

With reference to the latter ground of rejection, the Primary Examiner stated, among other things, that he was

"willing to predict that he could perform the tangible operations within the terms specified in typical original claims such as claims 1, 3, 5, and 8 [apparently all the claims on appeal were original claims] without getting any diammonium monoalkali metal ferricyanide (the desired salt). The original claims are not only *too broad* to define anything patentable over the *prior art* but fail to even recite the bare essentials for getting a useful *result of any kind.*" [Italics ours.]

On appeal, the Board of Appeals in its original decision held that the references of record did

"not disclose any comparable complex ferricyanide made by any method. Accordingly, we find the references cited as *not suggestive of the invention.*" [Italics not quoted.]

The Board held, however, that in view of the limitations as to the concentration of the aqueous solutions and the relative amounts of reactants set forth in appellants' specification, claims 1, 3, 5, 8, and 9 to 20, inclusive, were broader than appellants' disclosure, and that claims 2, 4, 6, and 7 were broader than appellants' disclosure because "the concentration of the alkali metal ferricyanide" is not stated therein.

Thereafter, counsel for appellants filed a petition for reconsideration of the Board's decision, stating therein, in substance, that appellants' specification did not state that specific conditions as to concentrations and relative amounts of reactants were necessary in order to produce the ammonium alkali metal ferricyanide, although the specification did set forth certain conditions as to concentrations in order to produce ammonium alkali metal ferricyanide more efficiently. An affidavit was also filed for the purpose of sustaining appellants' contentions.

Thereupon, the Board reconsidered its original decision and in a decision dated September 21, 1942, stated that as the affidavit was filed subsequent to its original decision and as it was not the practice under such circumstances to remand a case to the Primary Examiner, the affidavit would not be considered. The Board then said:

However, we agree with the Examiner that when broadly stated as in most of the claims the mere reaction of an inorganic ammonium salt or chloride with an alkali metal ferricyanide in aqueous solution will inevitably produce in the aqueous solution some of the double ammonium alkali metal ferricyanide.

Broadly, the use of an excess of both reactants would be obvious to any chemist if he wanted a reasonable yield in a practicable manner.

However, we cannot say on this record that it is obvious to hit on the 1:3 ratio of claims 4, 17 and 20.

The decision of the Examiner is reversed as to claims 4, 17 and 20, but is affirmed as to the other claims on appeal.

The petition is granted to the extent indicated.

No oral argument was presented in this court by counsel for appellants. However, it is stated in his brief that it appears from appellants' specification that the method of producing ammonium alkali metal ferricyanide is a simple one; that all that is required to produce such product is to react in an aqueous solution an inorganic ammonium salt and alkali metal ferricyanide, as set forth in the appealed claims; that it is unnecessary in order to obtain the desired product and secure a useful result to use any particular concentration of an aqueous solution or any particular amount of reactants; and that, in view of the holding of the Board in its original decision that "The prior art does not disclose any comparable complex ferricyanide made by any method" and that the references do not suggest the involved invention, the Board erred in rejecting the appealed claims.

It will be observed that in its decision on reconsideration of its original decision, the Board, as hereinbefore noted, stated that it agreed with the Examiner that

"the mere reaction of an inorganic ammonium salt or chloride with an alkali metal ferricyanide in aqueous solution [as set forth in the appealed claims] will inevitably produce in the aqueous solution some of the double ammonium alkali metal ferricyanide [the desired product as set forth in the appealed claims]."

Although the Board reversed the Primary Examiner and allowed claims 4, 17, and 20, as hereinbefore noted, the quoted statement from the Board's decision is obviously inconsistent with the views expressed by the Primary Examiner, and also inconsistent with its rejection of the claims here on appeal. However, it is consistent with the claims made in the brief of counsel for appellants, and also with the explanation of the invention as set forth in appellants' application.

It is true that it is stated in appellants' specification that in order to produce

"crystalline ammonium alkali metal ferricyanide per pass"

more efficiently, the solution of alkali metal ferricyanide

"should be reasonably concentrated as otherwise excessive cooling or evaporation or both will be necessary to recover a crop of double salt crystals,"

and that for

"most efficient results, the liquid in the reaction vessel should be substantially saturated in order to insure an efficient crop of double ferricyanide crystals per pass."

However, it is also stated in appellants' specification that—

If the double salt of ferricyanic acid containing ammonium is to be used in the liquid state, a solution of a water-soluble inorganic ammonium salt may be added to the solution of the alkali metal ferricyanide or vice versa. The fact that such solutions also may contain unreacted alkali metal ferricyanide, triammonium ferricyanide and inorganic ammonium salts in many cases makes no difference. Such a situation is where the eventual solution is to be used in blueprint or other similar arts where the light sensitiveness of the ferricyanic salt containing ammonium is of advantage. In other situations, however, where a pure or relatively pure ammonium alkali metal ferricyanide is desired fractional crystallization may be resorted to to recover the pure material substantially uncontaminated with other products.

It is true that the claims on appeal are very broad. Nevertheless, in view of the holding by the Board of Appeals that the prior art does not disclose

"any comparable complex ferricyanide made by any method"

and does not suggest the involved invention, and in view of its statement that

"the mere reaction of an inorganic ammonium salt or chloride with an alkali metal ferricyanide in aqueous solution will inevitably produce in the aqueous solution some of the double ammonium alkali metal ferricyanide,"

and as that statement is consistent with the disclosure in appellants' specification, we must hold that the Board erred in rejecting the appealed claims.

The decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

HEINTZ

v.

AMERICAN TIRE MACHINERY COMPANY

Nos. 4,822 and 4,823. Decided February 7, 1944

[140 F.(2d) 1013]

TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.

Retreaded tires, to which appellant applies the notation "Life-Cap," *Held* to be goods of the same descriptive properties as machinery for use in the retreading of tires, to which appellee applies the notation "Vitacap."

APPEALS from the Patent Office. Reversed.

Mr. Gordon C. Mack (*Mr. Edmund H. Parry, Jr.*, of counsel) for Heintz.

Mr. John Flam on the brief (withdrawn), *Mr. Israel R. Paris*, and *Mr. Lewis E. Lyon* (*Mr. Clarence O. McKay* of counsel) for American Tire Machinery Company.

GARRETT, *P. J.*:

We have here appeals from decisions of the Commissioner of Patents (speaking through an Assistant Commissioner) reversing decisions of the Examiner of Trade-Mark Interferences in two trade-mark opposition proceedings.

There is no substantial difference between the issues involved in the respective cases and it was stipulated by counsel for the parties that the records for the appeals might be combined and printed as one joint record, and that exhibits or other items presented or printed for any part of the record might, if pertinent and proper, be considered as included in any other part. Separate decisions, however, were rendered below and separate appeals taken, and it is necessary that we render separate decisions, but they may be included in a single, or joint, opinion.

The following statement of facts is pertinent to both cases:

Appellant Heintz, of Cleveland, Ohio, is engaged in the business of retreading pneumatic tires by a process carried out upon specially designed machinery and equipment which he manufactures. To the retreaded tires he applies as a trade-mark the notation "Life-Cap," which notation was registered in his name as Trade-Mark No. 362,465, on November 15, 1938. In the registration certificate it is stated:

The trade-mark is applied to the goods by means of a rubber medallion attached to the side wall of the tire and having the mark embossed thereon in white characters on a black background, or by means of an embossed rubber medallion of uniform red color.

The mark is applied only to tires. Appellant has not applied it to the machinery (composed of different parts) which he manufactures by the use of which the tires are retreaded. Appellant does not sell the machinery by the use of which the retreading operation is carried out, but leases it to parties of his choosing throughout various sections of the United States. His lessees apply the trade-mark to the tires which they retread.

The appellee, American Tire Machinery Company, of Los Angeles, Calif., is not engaged in the business of retreading tires, but is engaged in the business of manufacturing machinery (composed of different parts) for use in the retreading of tires, and the respective applications made by it are for the registrations of marks used by it on the machinery. It sells such machinery to those desiring to purchase it.

Appeal No. 4,822

In this case appellee applied for registration of the notation "Vitacap" as a trade-mark for the machinery manufactured and sold by it. The application states that "the trade-mark is applied to [or] affixed to the goods by casting or forming directly in the goods the mark as shown and by applying directly to the goods a label imprinted with the mark."

In the course of his decision, the Examiner of Trade-Mark Interferences said:

The opposer [Heintz], who is here the prior user, relies upon his registered mark "Life-Cap" (Registration No. 362,465) for retreaded pneumatic tires made by a unique process upon specially designed machinery and other equipment of his manufacture. This retreading equipment is manufactured in quantity by the opposer, but is not sold, being placed with selected licensees who together with the opposer are engaged in marketing only the tires produced thereon.

Special retreading equipment such as that respectively manufactured by the parties is believed to be inseparably related to the products resulting from the use thereof. As appears from the stipulated evidence, tires retreaded on applicant's machines are identified by the same notation "Vitacap" under which the machines are sold, even though this notation is not affixed to the tires, and it seems reasonable to suppose that if any such equipment and retreaded tires are marketed under the same or confusingly similar marks, purchasers would be likely to as-

sume that they came from a common source. The Examiner is persuaded that the goods sold by the parties possess the same descriptive properties.

The mark "Vitacap" sought to be registered in effect differs essentially from the mark "Life-Cap" used by opposer merely in the substitution in place of the prefix "Life" contained in the latter mark, of its Latin equivalent. It is accordingly believed that concurrent use of these marks upon goods possessing the same descriptive properties would be likely to cause confusion in trade.

The Commissioner said, inter alia:

• • • It is clear that opposer [Heintz] licenses tire retreading concerns to use his special retreading process and that the quipment they use to carry out the process is known as "Life-Cap" equipment. Apparently the equipment is known by the name of the process it employs and of the goods produced. However it does not appear that opposer's licensees may not or do not use equipment which they have obtained from others than opposer to carry out opposer's process. Because of the "Life-Cap" process employed such equipment would be known as "Life-Cap" equipment irrespective of its source of origin. Thus the name does not indicate any particular source of origin of the equipment, but only that the equipment is suited to carry out the "Life-Cap" process. The equipment may have been secured from any source. In my opinion opposer has not so applied the mark "Life-Cap" to retreading machinery as to indicate that opposer is the source thereof, and since opposer's mark "Life-Cap" does not indicate opposer as the source of retreading machinery used for the "Life-Cap" process neither would the mark "Vitacap" applied to retreading machinery indicate opposer as the source of that machinery, and therefore the use by applicant of the name "Vitacap" on such machinery would not be likely to lead purchasers or the public to believe that applicant's machinery was manufactured or distributed by opposer.

Further than this: Retreading machinery and equipment is expensive, is sold or licensed to manufacturers for manufacturing purposes and is likely to be purchased with great care and discrimination as a capital investment and only after full investigation of the process to which the equipment is adapted.

The marks "Life-Cap" and "Vitacap" are not identical, and considering the differences in the marks, the nature and character of tire retreading equipment, the class of purchasers or licensees, and the manner in which opposer has used the mark "Life-Cap", it is my opinion that applicant's use of the mark "Vitacap" on tire retreading machinery will not be likely to result in purchasers or the public being confused or misled into believing opposer to be the source of the machinery sold by applicant under the name "Vitacap".

We are of opinion that, under the facts appearing, the conclusion reached by the Examiner of Trade-Mark Interferences is more fully in accord with the spirit of the Trade-Mark Registration Act than is the conclusion reached by the Commissioner.

So far as the words—"Life-Cap" and "Vitacap"—are concerned, both are arbitrary terms having a certain suggestiveness with respect to the lasting qualities of tires retreaded by use of the machinery manufactured by the respective parties. The suggestiveness of both words is identical.

If appellee were seeking to register "Vitacap" for use on retreaded tires, we apprehend there would be no hesitation in rejecting the application upon the basis of the "Life-Cap" mark. Furthermore, if appellant had affixed "Life-Cap" to the retreading machinery designed and manufactured by him (which, so far as the record before us shows, he legally might have done), we apprehend there would have been no hesitation in rejecting appellant's application to register "Vitacap" as a trade-mark for use on its retreading machinery.

So far as the words are concerned, we regard them as being identical in meaning.

Upon the matter of "merchandise of the same descriptive properties" (we quote the phrase from the statute), it is our view that the retreading equipment is so interrelated with the product—retreaded tires—resulting from the use of the equipment that, within the spirit of the registration statute, the equipment and the product of the equipment should be held to be of the same descriptive properties.

We have not found any decided case which may be said to be "on all fours" with the instant case, but, in principle, there seems to be an analogy between this case and that of *Elgin American Manufacturing Co.* v. *Elizabeth Arden, Inc.*, 23 C. C. P. A. (Patents) 1153, 83 F.(2d) 681, 472 O. G. 4, where containers for cosmetics were held to be of the same descriptive properties as the cosmetics which they contained.

For the reasons indicated, the decision of the Commissioner is reversed.

Appeal No. 4,823

The only distinction between this case and that involved in appeal No. 4,822, supra, is found in the mark which appellee seeks to register. In this case the application is for registration of a mark which shows the words "Vitacap Process of Capping" displayed on a representation of a ribbon extending across a representation of a tire. The words "Process of Capping" are disclaimed.

It is stated in the application that this mark

• • • is applied or affixed to the goods by applying to the goods a printed label bearing the mark as shown.

Obviously, the dominant part of the mark is the word "Vitacap," and what has been said in appeal No. 4,822, supra, applies here.

The decision of the Commissioner is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE SCHWEITZER

No. 4,833. Decided March 6, 1944. Petition for rehearing denied April 4, 1944

[141 F.(2d) 711]

PATENTABILITY—PAINTING MACHINE.

Certain claims to a painting machine *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Ely & Frye (*Mr. Albert L. Ely, Jr.*, of counsel) for Schweitzer.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting claims 17 to 19 inclusive, 22, 24, 25, and 27 of an application for a patent on a "Painting Machine." Sixteen claims were allowed.

Claim 17 is illustrative of the claims in issue and reads as follows:

17. In a machine of the class described, an article conveyor, spray guns for spraying coating material on articles carried by said conveyor, a first means for driving said conveyor and spray guns in alternate periods of relative movement and no relative movement between said conveyor and said spray guns, said conveyor moving in a fixed path constantly spaced from said spray guns, and a second means independent of said conveyor and operatively connected with said first means for operating said spray guns only when no relative movement exists between said spray guns and said article conveyor.

The references relied on are: Flint et al., 1,959,711, May 22, 1934; Ross, 2,210,187, August 6, 1940.

The invention relates to an apparatus for painting circular objects, particularly automobile wheel bodies or rims. On a circular turreted conveyor there are a plurality of vertical rotatable spindles upon which the articles to be painted are supported. Paint-spraying guns are mounted upon carriers attached to the legs of a spider pivoted upon the axis around which the conveyor rotates and adjacent to and concentric with the periphery thereof, and so arranged that at the time of spraying the nozzles will travel at the same speed as the article to be painted.

Attached to the bases of the spindles are pulleys, which engage a V-belt for rotating the spindles, driven by means of a motor with a speed governor. The conveyor is rotated counter-clockwise by a speed-governed motor activating a drive shaft upon which is mounted a sprocket wheel which cooperates with a larger sprocket wheel by means of a chain. The large sprocket wheel is mounted on a shaft about which the conveyor rotates. On the said drive shaft a cam is mounted by means of which the legs of the spider connecting the gun-supporting means are moved in counter-clockwise direction until the off position of the cam causes a spring to return the carriage to its former position. To reduce the shock incident to the sudden stoppage when the carriage is returned an air relief valve or dashpot is provided. A smaller cam is also mounted on the drive shaft to regulate the supply of compressed air which blows the paint from the guns on the object to be painted. The spraying action of the guns does not begin until slightly after the carriage begins to move on its forward course with the conveyor, and ceases slightly before the carriage ends its movement in such direction.

It is not necessary to describe the apparatus in further detail.

The Flint et al. reference relates to an apparatus for spraying colors on rotating objects. It comprises rotary spindles placed around the periphery of a rotary conveyor. A painting nozzle and an air jet nozzle adjacent the periphery of the conveyor are carried on an arm loosely pivoted on the shaft of the conveyor. The nozzles are intermittently moved with the conveyor and during such movement one nozzle sprays paint on the rotating article while the other sprays air on vanes mounted on the spindles, thus causing them to rotate. The intermittent movement is accomplished by pins, one for each spindle, which successively engage a pin on the nozzle support and cause the nozzles to move with the spindle for a predetermined distance after which the pins are disengaged by means of a cam and the nozzle support is retracted by a spring to be then engaged by the pin of the next spindle. On the conveyor is a series of cams spaced between the spindles, successively engaging a spring valve which supplies the nozzles with air only during the time when the nozzles and conveyor are moving together.

The Ross patent relates to a paint-spraying device in which the articles to be painted are mounted on rotatable spindles on a rotary conveyor. While the articles are being sprayed the spindles are rotated by means of a belt engaging pulleys on the lower ends of the spindles.

All of the involved claims were rejected by the Primary Examiner as fully met by or unpatentable over the Flint et al. reference. The Ross patent was relied on merely to show the belt and pulley drive of the spindles. The Examiner also rejected claims 17, 18, 19, and 22 as functional. The Board of Appeals reversed the rejection of the Examiner on the grounds of functionality, but in all other respects affirmed his decision.

It is clear that the device of the Flint et al. patent, like the device of appellant, paints articles mounted on rotating spindles spaced about the periphery of a rotary conveyor. In both devices the paint guns adjacent the conveyor rotate therewith for a certain period and are then returned to their starting position by a spring. There is a valve in both devices which is so controlled that the coloring material is sprayed only during the cooperating movement of the nozzle and conveyor.

The only differences between the device of the Flint et al. patent and that described in the rejected claims are that in the latter there is a plurality of spray guns, the carriage for the guns is activated by a single cam on the drive shaft, the air supply is controlled by the action of a second cam on the drive shaft, and the spindles are rotated by the V-belt.

The provision of more than one spray gun is clearly not patentable, and it is obvious to substitute for the multiple cams of the device of the Flint et al. patent the single cam on the drive shaft which operates the carriage, as appellant has done.

We think that, as far as patentability of the involved claims is concerned, it makes no difference whether the means for oscillating the spray gun carriages and turning the spraying pressure on and off be mounted on a common shaft as in appellant's device or more widely separated as in the device of the Flint et al. patent, and the V-belt rotating the spindles in appellant's device is fully met by that disclosed in the Ross patent.

For the reasons stated the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,211,475, D. Micon, Mattress; 1,771,185, same, Mattress and method for making; 1,947,216, same, Apparatus for covering mattresses; 1,947,217, same, Mattress tufting machine, D. C., N. D. Ill., E. Div., Doc. 4804, *D. Micon* v. *Burton-Dixie Corp.* Patent 1,211,475 "dismissed" from suit upon stipulation May 3, 1944: claims 1, 3, 7, and 8 of 1,771,185, claim 3 of 1,947,216, and claim

2 of 1,947,217 held invalid, and amended and supplemental complaint dismissed Dec. 28, 1942.

1,597,733, L. C. Soule, Radiator, D. C., E. D. Mo. (St. Louis), Doc. 653, *Aerofin Corp.* v. *Marlo Coil Co.* Upon stipulation, complaint, amended complaint, and counterclaim dismissed (notice May 19, 1944).

1,599,180. (See Re. 20,048.)

1,649,760, M. Vierengel, Envelope machine, C. C. A., 2d Cir., Doc. —, *Wolf Bros.* v. *Equitable Paper Bag Co.* Decree affirmed (notice May 23, 1944).

1,771,185. (See 1,211,475.)

1,804,380, E. A. Sperry, Fissure detector for steel rails; 1,944,930, H. C. Drake, Flaw detector, filed May 13, 1944, D. C., E. D. Ill. (Danville), Doc. 408–D, *Sperry Products, Inc.*, v. *Illinois Central Railroad Co.*

1,875,077, A. R. Maulsby, Method of applying backing fabrics to linings, D. C., W. D. Wash., N. Div., Doc. 688, *A. R. Maulsby* v. *R. M. Collins.* Judgment favor plaintiff to enjoin defendant from further infringement May 5, 1944.

1,884,169, F. H. Owens, Photographic camera, C. C. A., 2d Cir., Doc. —, *F. H. Owens* v. *Bell & Howell Co.* Decree affirmed (notice May 29, 1944).

1,944,930. (See 1,804,380.) 1,947,216. (See 1,211,475.)

1,947,217. (See 1,211,475.)

1,959,314, D. D. Wile, Combined strainer and tube connection, filed May 25, 1944, D. C., N. D. Ill., E. Div., Doc. 44c601, *Detroit Lubricator Co.* v. *Metrex Valve Co.*

1,967,221, Allen & Hartley, Printing plate and holding means therefor, filed May 29, 1944, D. C., S. D. N. Y., Doc. 26/50, *E. Cooper et al.* v. *Addressograph-Multigraph Corp.*

2,021,176, E. W. Curtis, Repair plug, D. C., N. D. Ill., E. Div., Doc. 43c840, *J. T. Beatty et al* v. *H. J. Eklund et al.* Consent degree holding patent valid and infringed, injunction May 4, 1944.

2,044,933. (See Re. 20,996.)

2,069,265, S. Musher, Stabilized oil and fats; 2,199,364, 2,221,404, same, Treatment of glyceride oils, D. C., S. D. N. Y., Doc. 15/395, *Musher Foundation, Inc.*, v. *Alba Trading Co., Inc.* Stipulation and order dismissing 2,069,265 and 2,199,364 Mar. 18, 1944; judgment dismissing action on merits May 12, 1944.

2,079,227, Re. 20,773, R. R. Sarazin, Means adapted to reduce the torsional oscillations of crank shafts, D. C., S. D. N. Y., Doc. 1/19, *R. R. Sarazin et al.* v. *Wright Aeronautical Corp.* Judgment dismissing complaint May 29, 1944.

2,086,256, H. G. Cisin, Amplifying circuit, filed May 25, 1944, D. C., S. D. N. Y., Doc. 2627, *Engineering Development Laboratories, Inc.*, v. *R. C. A.*

2,114,718, S. J. Levy, Two way intercommunicating loud speaker system for power circuits, C. C. A., 2d Cir., Doc. —, *International Carrier-Call & Television Corp.* v. *R. C. A. et al.* Judgment affirmed (notice May 15, 1944).

2,125,481. (See Re. 21,447.)

2,147,832, C. Drexler, Angular driving mechanism, filed May 11, 1944, D. C., W. D. Pa. (Pittsburgh), Doc. 3009, *Chas. Drexler Co., Inc.*, v. *Invincible Tool Co. et al.*

2,166,103, O. M. Behr, Art of treating fatty oils; 2,239,692, same, Continuous process of treating oils, D. C., N. D. Calif., S. Div., Doc. 21920–W, *Vegetable Oil Products Co., Inc.*, v. *Dorward & Sons Co. et al.* Judgment holding that Dorward & Sons Co. have infringed said patents May 17, 1944.

2,199,364. (See 2,069,265.)

2,220,408, S. Kalina, Ring, filed May 19, 1944, D. C., S. D. N. Y., Doc. 25/584, *Unity Jewelry Co.* v. *W. & R. Jewelry Co., Inc., et al.*

2,221,404. (See 2,069,265.) 2,239,692. (See 2,166,103.)

2,283,147, P. Hutchinson, Combined cigarette package wrapper and match holder, appeal filed May 29, 1944, C. C. A., 8th Cir., Doc. 12849, *P. Hutchinson* v. *Universal Match Corp.*

2,295,748, F. V. Moore, Addressing machine, D. C., S. D. Calif., C. Div., Doc. 3422–RJ, *J. M. Alford* v. *R. N. Fellows.* Dismissed by stipulation with prejudice (notice May 19, 1944). Same, D. C., S. D. Ill., N. Div., Doc. P–335, *Addressograph-Multigraph Corp.* v. *J. M. Alford.* Complaint and counterclaim dismissed with prejudice May 16, 1944.

2,300,101, E. R. Capita, Spark gap and circuit therefor, filed May 20, 1944, D. C., S. D. N. Y., Doc. 25/594, *E. R. Capita* v. *Lepel High Frequency Laboratories, Inc.*

Re. 20,048, 1,599,180, O. T. McIlvaine, Thermionic tube, D. C., N. D. Ill., E. Div., Doc. 699, *McIlvaine Patent Corp.* v. *R. C. A. Mfg. Corp.* By stipulation cause dismissed with prejudice May 15, 1944.

Re. 20,773. (See 2,079,227.)

Re. 20,996 (of 2,044,933), H. C. Buffington, Scraper or grader, filed May 22, 1944, D. C., S. D. Ill. (Springfield), Doc. 373, *The Baker Mfg. Co.* v. *Central Illinois Tractor & Equipment Co.*

Re. 21,447 (of 2,125,481), G. S. Allin, Bulldozer, filed May 22, 1944, D. C., S. D. Ill., E. Div., Doc. 374, *Gar Wood Industries, Inc.*, v. *Central Illinois Tractor & Equipment Co.*

Des. 91,487, J. C. Johnson, Combination cooking utensil, D. C., N. D. Ala. (Birmingham), Doc. 5090, *N. G. Neal et al.* v. *Lawler Machine Co.* Patent held invalid and void because of public use and sale, complaint dismissed May 15, 1944.

Des. 125,460, C. C. Waterbury, Diaphragm inserter, filed May 5, 1944, D. C., N. D. Ill., E. Div., Doc. 44c534, *Diaphram & Chemical Co.* v. *Hyches Products.*

Des. 135,800, S. M. Baar, Jabot, filed May 15, 1944, D. C., S. D. N. Y., Doc. 25/522, *Baar & Beards, Inc.*, v. *Engel, Bauer & Co., Inc.*

Des. 137,166, W. B. Crane, Compact, filed May 29, 1944, D. C., S. D. Calif., C. Div., Doc. 3663, *Allied Plastics Co.* v. *Vogue Jewelry Co. of New York.* Doc. 3491–BJ. *Allied Plastics Co.* v. *Nathan Hulsey et al.* Consent decree finding patents valid and infringed by "certain" defendants, injunction May 30, 1944.

T. M. 362,873, Cohen, Goldman & Co., Inc., Men's and boys' trousers and pants, filed May 24, 1944, D. C., N. D. Ill., E. Div., Doc. 44c595, *Desmond's* v. *Montgomery Ward & Co., Inc.*

TRADE-MARKS

OFFICIAL GAZETTE, JULY 4, 1944

[VOL. 564. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 469,192. THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Apr. 10, 1944.

POLYFIBRE

FOR ARTIFICIAL FIBERS OF SYNTHETIC RESINOUS MATERIAL IN THE FORM OF STAPLE FIBER, BATTS, BUNDLES, AND COMPRESSED SHEETS OR BOARDS.
Claims use since July 8, 1943.

CLASS 2

RECEPTACLES

Ser. No. 469,745. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Apr. 28, 1944.

ATLAS

FOR WATER BAGS.
Claims use since Apr. 6, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 469,502. KING LEATHERS INCORPORATED, Indiana, Pa. Filed Apr. 20, 1944.

THE Shopper

FOR PURSES, WALLETS, AND POCKETBOOKS.
Claims use since Apr. 15, 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 465,758. LIGHTFOOT SCHULTZ CO., New York, N. Y. Filed Dec. 14, 1943.

Anaderma

FOR TOILET SOAPS.
Claims use since Dec. 8, 1943.

Ser. No. 468,688. TRADE WINDS, LTD., Los Angeles, Calif. Filed Mar. 25, 1944.

Trade Winds

FOR SHAVING SOAP.,
Claims use since Feb. 22, 1944.

Ser. No. 469,577. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Apr. 22, 1944.

dreft

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since Oct. 10, 1933.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 450,694. W. H. PLUNKETT, doing business as Plunkett Chemical Company, Chicago, Ill., assignor to Plunkett Trust, Chicago, Ill., a common-law trust. Filed Feb. 3, 1942.

ROCH-NO

No claim is made to the term "Roch" apart from the mark.
FOR INSECTICIDE.
Claims use since June 1, 1920.

Ser. No. 455,806. JAMES W. SELLING, doing business as Beem & Company, Stockton, Calif. Filed Sept. 26, 1942.

Beem for the HAIR

The words "for the Hair" are disclaimed apart from the mark.
FOR HAIR TONIC.
Claims use since July 1, 1942.

Ser. No. 459,346. IVOR RICH, New York, N. Y. Filed Mar. 25, 1943.

adam et eve

FOR CREAM COLOGNE.
Claims use since October 1942.

Ser. No. 466,734. JOHN-FREDERICS, New York, N. Y. Filed Jan. 20, 1944.

Good Afternoon

FOR COLD CREAMS, LIPSTICKS, ROUGES, POWDER, PERFUME, COLOGNE, AND TOILET WATER.
Claims use since Aug. 3, 1943.

Ser. No. 466,860. THE MALTINE COMPANY, New York, N. Y. Filed Jan. 25, 1944.

TEOFEDRAL

FOR MEDICINAL COMPOUNDS FOR RELIEF OF ASTHMA.
Claims use since Nov. 19, 1943.

Ser. No. 467,411. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Feb. 14, 1944. Under section 5b of the act of 1905 as amended in 1920.

Stauffer

FOR FUMING SULPHURIC ACID, ALUMINUM SULPHATE, BORAX, ANHYDROUS BORAX, BORAX GLASS, ROLL SULPHUR, CARBON BISULPHIDE, CARBON TETRACHLORIDE, FIRE EXTINGUISHER FLUID, PERCHLORETHYLENE, CAUSTIC SODA, COPPERAS, CREAM OF TARTAR, ROCHELLE SALT, TARTARIC ACID, IRON OXIDE, NITRATE OF SODA, SAL SODA, NITRATE OF POTASH, TITANIUM TETRACHLORIDE, SILICON TETRACHLORIDE, SODIUM HYDROSULPHIDE, TEXTILE STRIPPING COMPOUND, TARTAR EMETIC, CITRIC ACID, ANHYDROUS HYDROGEN CHLORIDE, AND ALUMINUM CHLORIDE.

Claims use on fuming sulphuric acid since 1923; on aluminum sulphate since 1932; on borax since 1894; on anhydrous borax since 1937; on borax glass since 1937; on roll sulphur since 1889; on carbon bisulphide since 1906; on carbon tetrachloride since 1939; on fire extinguisher fluid since 1940; on perchlorethylene since 1939; on caustic soda since 1930; on copperas since 1910; on cream of tartar since 1896; on Rochelle salt since 1896; on tartaric acid since 1896; on iron oxide since 1923; on nitrate of soda since 1915; on sal soda since 1885; on nitrate of potash since 1940; on titanium tetrachloride since 1916; on silicon tetrachloride since 1916; on sodium hydrosulphide since 1941; on textile stripping compound since 1939; on tartar emetic since 1939; on citric acid since 1935; on anhydrous hydrogen chloride since 1942; and on aluminum chloride since 1942.

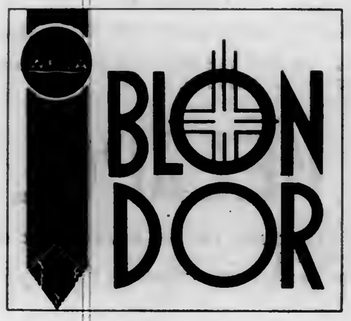
Ser. No. 468,377. THE DE PREE COMPANY, Holland, Mich. Filed Mar. 17, 1944.

PIED PIPER



FOR PRODUCT IN PASTE FORM FOR USE IN THE EXTERMINATION OF RATS AND ROACHES.
Claims use since June 5, 1922.

Ser. No. 468,403. THE WELLA CORPORATION, New York, N. Y. Filed Mar. 17, 1944.



FOR HAIR BLEACH.
Claims use since June 1933.

Ser. No. 468,640. FERD STAFFEL COMPANY, San Antonio, Tex. Filed Mar. 24, 1944.



No claim is made to the words "Roach Killer" apart from the mark.
FOR INSECTICIDE.
Claims use since Dec. 20, 1943.

Ser. No. 468,719. NYAL COMPANY, Detroit, Mich. Filed Mar. 27, 1944.

TENDER AGE

FOR COUGH SYRUP, LAXATIVE, SOOTHING LOTION, VERMIFUGE, BABY OIL, BABY TALC, CHEST RUB AND VITAMIN PREPARATIONS.
Claims use since Mar. 14, 1944.

Ser. No. 468,965. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Filed Apr. 3, 1944.

EROSYN

FOR VITAMIN-MINERAL PREPARATION.
Claims use since Feb. 18, 1944.

Ser. No. 469,214. SILVER SEAL PRODUCTS OF OKLAHOMA INC., Barnsdall, Okla. Filed Apr. 10, 1944.

LINE-X

FOR SODIUM HYPOCHLORITE SOLUTION USED AS A BLEACH, CLEANSER, ANTISEPTIC AND GERMICIDE.
Claims use since Nov. 24, 1943.

Ser. No. 469,395. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Apr. 17, 1944.

KATANOL

FOR DYES AND DYESTUFFS.
Claims use since Oct. 28, 1920.

Ser. No. 469,494. DAY CHEMICAL CO., Newark, N. J. Filed Apr. 20, 1944.

SUNA

FOR RECTAL OINTMENT.
Claims use since Mar. 10, 1944.

Ser. No. 469,644. THE ODELL COMPANY, INC., Newark N. J. Filed Apr. 25, 1944.

MULSATOR

FOR HAIR TONIC AND DANDRUFF TREATMENT.
Claims use since June 1939.

Ser. No. 469,714. ANGLO-FRENCH LABORATORIES, INC., New York, N. Y. Filed Apr. 26, 1944.

PANTAVENE

FOR PHARMACEUTICAL PREPARATION WHICH IS A MUSCULAR TONIC AND DYNAMIC AGENT IN CASES OF NEUROMUSCULAR ASTHENIA, AND WHICH AIDS IN PROMOTING MUSCULAR VIGOR AND VITALITY IN CASES OF NEURASTHENIA, DEPRESSION, IN CONVALESCENCE FROM INFECTIOUS DISEASES OR SURGICAL OPERATIONS, IN DEBILITY DUE TO OLD AGE AND IN SEXUAL APATHY WITHOUT IMPOTENCE.
Claims use since Apr. 1, 1943.

Ser. No. 469,715. SOL L. BASSAN, doing business as Harriet Hill, Chicago, Ill. Filed Apr. 27, 1944.

"Remember Me"

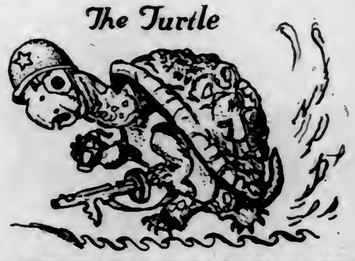
FOR COLOGNE.
Claims use since June 1937.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 468,709. HARRY DARBY, Kansas City, Kans. Filed Mar. 27, 1944.

The Turtle



FOR AMPHIBIAN LANDING SHIELDS USED FOR PROTECTING MEN FROM PROJECTILES WHILE MAKING LANDINGS FROM BOATS.
Claims use since Feb. 17, 1944.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 467,701. RED LION CABINET COMPANY, Red Lion, Pa. Filed Feb. 23, 1944.

SOYTEX

FOR BUILDING BOARDS, ACOUSTICAL INSULATION AND ACOUSTICAL BOARDS AS WELL AS HARD AND SEMI-HARD PRESSED BOARDS, ALL MADE, AT LEAST IN PART WITH FIBER OBTAINED FROM SOY BEAN STALKS.
Claims use since Feb. 4, 1944.

Ser. No. 468,116. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Mar. 9, 1944.

PERMATONE

FOR ASBESTOS-CEMENT SHINGLES AND SIDING.
Claims use since July 24, 1940.

Ser. No. 468,149. NATIONAL GYPSUM COMPANY, Buffalo, N. Y. Filed Mar. 10, 1944.

GYPSTONE

FOR PLASTER.
Claims use since Sept. 20, 1921.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 466,837. HAWKINS-HAWKINS CO., Oakland, Calif. Filed Jan. 24, 1944.



Any representation of the goods is disclaimed apart from the mark.
FOR WELDING RINGS.
Claims use since Feb. 26, 1943.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 469,050. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y. Filed Apr. 5, 1944.

KELAPOL

FOR VEGETABLE DRYING OIL FOR USE IN THE PAINT TRADE.
Claims use since January 1944.

Ser. No. 469,102. THE AMERICAN PRODUCTS COMPANY, INC., Kansas City, Kans. Filed Apr. 7, 1944.

PLY-LAS-TIC

FOR LIQUID WATERPROOFING AND PRESERVATIVE COMPOSITION IN THE NATURE OF A PAINT FOR COATING METAL, WOOD, CONCRETE AND LIKE MATERIALS.
Claims use since Jan. 31, 1944.

Ser. No. 469,174. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Apr. 8, 1944.

TREM-ENAMEL

No claim is made to the word "Enamel" apart from the mark.
FOR PAINT ENAMEL.
Claims use since Sept. 11, 1942.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 469,115. JOSEPH M. CACIOPPO, doing business as J. M. C. Cigar Co., Brooklyn, N. Y. Filed Apr. 7, 1944.

TRESETTE

MARCA 777

The word "Marca" is disclaimed apart from the mark.
FOR CIGARS.
Claims use since 1934.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 467,640. DONALD B. ABBOTT, Mamaroneck, N. Y., assignor to Palmer Scott & Company, Inc., New Bedford, Mass. Filed Feb. 22, 1944.

Wood-Pussy

FOR ROW BOATS, SAIL BOATS AND MOTOR BOATS.
Claims use since Feb. 15, 1944.

Ser. No. 468,690. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Mar. 27, 1944.

M·R·K

FOR VEHICLE WHEELS AND TRUCK CASTER WHEELS OF COMPOSITION MATERIAL.
Claims use since Mar. 15, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 451,176. INTERNATIONAL TELEPHONE AND RADIO MANUFACTURING CORPORATION, New York, N. Y., now by change of name to Federal Telephone and Radio Corporation, a corporation of Delaware. Filed Feb. 23, 1942.

Intelin

FOR ELECTRICAL INSULATING MATERIALS—NAMELY, IMPREGNATED AND COATED INSULATING SHEETS AND TAPES, INCLUDING PAPER AND PARTICULARLY STYRENATED PAPER; AND ELECTRIC TRANSMISSION CABLES.
Claims use since Nov. 22, 1941.

Ser. No. 462,830. THORDARSON ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed Aug. 18, 1943.

FLASHTRON

FOR ELECTRONIC CONTROL EQUIPMENT—SPECIFICALLY, ELECTRONIC RELAY CONTROL SWITCHES.
Claims use since July 24, 1943.

Ser. No. 463,162. ANDERSON & BROWN COMPANY, Cleveland, Ohio, now by change of name, Magnetic Holding Devices, Inc., a corporation of Ohio. Filed Sept. 2, 1943.

BODY FLO

FOR MAGNETIC CHUCKS, DEMAGNETIZING UNITS FOR WORK PIECES, AND ELECTRICAL CONTROLS THEREFOR—NAMELY, CONTROL SWITCHES, TRANSFORMERS AND RECTIFIERS.
Claims use since Aug. 28, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 463,564. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Sept. 22, 1943.

BLUE DIAMOND

The drawing is lined for blue.
FOR CUE BALLS.
Claims use since Jan. 23, 1942.

Ser. No. 469,597. GORMEY MANUFACTURING CO., Chicago, Ill. Filed Apr. 24, 1944.

PLAY CRAFT



FOR TOY FURNITURE.
Claims use since Aug. 6, 1943.

CLASS 23

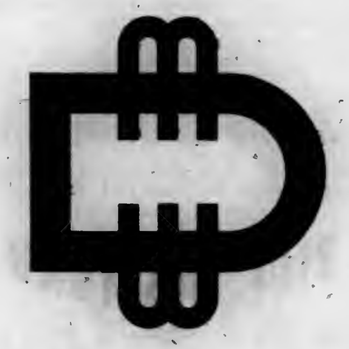
CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 464,743. BOKUM TOOL COMPANY, INC., Detroit, Mich. Filed Nov. 5, 1943.

B&B

FOR BORING BARS FOR MACHINE TOOLS.
Claims use since Jan. 4, 1942.

Ser. No. 468,665. DEFIANCE MACHINE WORKS, INC., Toledo, Ohio. Filed Mar. 25, 1944.



FOR PLASTICS PROCESSING MACHINES AND PARTS OF SUCH MACHINES.
Claims use since Jan. 10, 1944.

Ser. No. 468,806. NEW HOLLAND MACHINE COMPANY, New Holland, Pa. Filed Mar. 29, 1944.

NH
NEW HOLLAND

No claim is made to the words "New Holland" apart from the mark.
FOR FARM MACHINERY—NAMELY, AUTOMATIC BALERS, CORN SHELLERS, HUSKER SHELLERS, SAW FRAMES, TRACTOR SAWS, HAMMER MILLS, LIMESTONE PULVERIZERS, LAWN MOWERS, FEED GRINDERS, ENSILAGE CUTTERS; AND INDUSTRIAL EQUIPMENT—NAMELY, ROLL CRUSHERS, JAW CRUSHERS, HAMMER CRUSHERS, VIBRATING SCREENS, REVOLVING SCREENS, VERTICALLY INCLINED BUCKET TYPE ELEVATORS, DIESEL AND GASOLINE ENGINES, DEWATERERS AND ENDLESS CHAIN AND BELT CONVEYORS.
Claims use since Dec. 30, 1943.

Ser. No. 469,099. THE TOLEDO STEEL PRODUCTS COMPANY, Toledo, Ohio. Filed Apr. 6, 1944.

DIATROL

FOR PISTONS.
Claims use since Mar. 14, 1944.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 469,655. SINGER TEXTILE MACHINERY CORP., New York, N. Y. Filed Apr. 25, 1944.

SINGER

FOR PRESSING MACHINES.
Claims use since Sept. 1, 1938.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 468,805. GEORGE H. MORSE, Arlington, Va. Filed Mar. 29, 1944.

Decimalizer
TRADE MARK.

No claim is made to the words "Trade Mark" apart from the mark.
FOR SLIDE RULE.
Claims use since Mar. 1, 1944.

Ser. No. 468,839. GRANT PHOTO PRODUCTS, INC., New York, N. Y. Filed Mar. 30, 1944.

Posiprint

FOR PHOTOGRAPHIC SENSITIZED PAPER.
Claims use since July 1921.

Ser. No. 469,974. SPERRY GYROSCOPE COMPANY, INC., Brooklyn, N. Y. Filed May 5, 1944.

STROBOMETRIC

FOR ROTOR-BALANCING APPARATUS.
Claims use since Nov. 15, 1941.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 469,347. SPARKLER MANUFACTURING COMPANY, Mundelein, Ill. Filed Apr. 14, 1944.

SPA

FOR DOMESTIC WATER FILTERS.
Claims use since January 1930.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 465,467. SLEEPMASTER PRODUCTS COMPANY, INC., Newark, N. J. Filed Dec. 2, 1943.

SLEEPMASTER

FOR MATTRESSES, BED SPRINGS, BOX SPRINGS, SPRINGS USED IN THE MANUFACTURE OF UPHOLSTERED FURNITURE, PILLOWS, STUDIO COUCHES, SOFA BEDS, METAL BEDS, WOODEN BEDS, CUSHIONS FOR SEATS, BACKS, AND ARMS OF FURNITURE, FOLDING COTS, GLIDING COUCH HAMMOCKS, SPONGE RUBBER AND SYNTHETIC RUBBER PRODUCTS USED AS FILLERS FOR THE FINISHED PRODUCTS AFORESAID, UPHOLSTERED ARM CHAIRS AND UPHOLSTERED SOFAS.
Claims use since Jan. 6, 1934.

Ser. No. 469,969. ROCKWELL-BARNES COMPANY, Chicago, Ill. Filed May 5, 1944.

Rock-a-File

Applicant disclaims the word "File" apart from the mark.
FOR FILING CABINETS.
Claims use since Apr. 17, 1944.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 469,195. THE GATES RUBBER COMPANY, Denver, Colo. Filed Apr. 10, 1944.

GATES
TEX-HIDE

The surname "Gates" is disclaimed apart from the mark.
FOR GARDEN HOSE.
Claims use since Mar. 15, 1944.

Ser. No. 469,196. THE GATES RUBBER COMPANY, Denver, Colo. Filed Apr. 10, 1944.

GATES
VULCO-HIDE

The surname "Gates" is disclaimed apart from the mark.
FOR GARDEN HOSE.
Claims use since Mar. 15, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 457,594. THE WESSEL COMPANY, Chicago, Ill., assignor to Stanley Wessel & Company, Chicago, Ill., a limited partnership of Illinois. Filed Dec. 24, 1942. The word "Letters" is disclaimed apart from the mark.

Envo-Letters*

FOR COMBINATION LETTER SHEET AND ENVELOPE.
Claims use since 1918.

Ser. No. 461,011. STANLEY WESSEL & COMPANY, Chicago, Ill. Filed May 28, 1943.

Envo-Pad

No claim is made to the word "Pad" apart from the mark.
FOR PADS OF COMBINATION LETTER SHEETS AND ENVELOPES.
Claims use since Nov. 15, 1942.

Ser. No. 469,351. IRVING WORTHMAN, Brooklyn, N. Y. Filed Apr. 14, 1944.



No claim is made to the word "Complexion" apart from the mark. The portrait is fanciful.
FOR FACIAL TISSUES.
Claims use since April 1943.

Ser. No. 469,367. STAR-PEERLESS WALL PAPER MILLS, Chicago, Ill. Filed Apr. 15, 1944.

ARISTOCRAT

FOR WALL PAPER.
Claims use since May 2, 1934.

Ser. No. 469,368. STAR-PEERLESS WALL PAPER MILLS, Chicago, Ill. Filed Apr. 15, 1944.

CHARM

FOR WALL PAPER.
Claims use since Apr. 20, 1934.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 466,525. COHN-HALL-MARX CO., New York, N. Y. Filed Jan. 13, 1944.

5 P.M.

FOR PIECE GOODS OF COTTON, RAYON, AND/OR SILK, OR COMBINATIONS THEREOF.
Claims use since Dec. 6, 1943.

Ser. No. 467,592. CREST FABRICS CORP., New York, N. Y. Filed Feb. 21, 1944.

CHECK-A-DEE

The word "Check" is disclaimed apart from the mark.
FOR TEXTILE FABRICS IN THE PIECE OF COTTON, SPUN RAYON, PROTEIN FIBRES, AND COMBINATIONS THEREOF.
Claims use since June 3, 1941.

Ser. No. 468,780. COHN-HALL-MARX CO., New York, N. Y. Filed Mar. 29, 1944.

AMERIDINE

FOR PIECE GOODS OF COTTON, RAYON, AND/OR SILK, OR COMBINATIONS THEREOF.
Claims use since Feb. 21, 1944.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 469,203. VICTOR KREMER, doing business as Kremer Plantations, Cardiff-by-the-Sea, Calif. Filed Apr. 10, 1944.



The words "Sparkling Water" are disclaimed apart from the mark. The drawing is lined for shading only.
FOR CARBONATED WATER.
Claims use since December 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 439,311. WM. MONTGOMERY COMPANY, Philadelphia, Pa. Filed Dec. 31, 1940.

Montco

Applicant is the owner of trade-mark registration No. 190,742, dated Oct. 21, 1924.
FOR PACKAGED BREAKFAST CEREALS, SALT, PEPPER, BOTTLED FRUIT PRESERVES, AND PREPARED MUSTARD; AND CANNED VEGETABLES, FRUITS, FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES, SOUPS AND BROTHS, EVAPORATED MILK, COFFEE, BROWN BREAD, BONED CHICKEN, TUNA FISH, SALMON, CRAB MEAT, LOBSTER, SHRIMP, AND SALAD DRESSINGS.
Claims use since Nov. 1, 1906.

Ser. No. 456,582. CARGILL, INCORPORATED, Minneapolis, Minn. Filed Nov. 2, 1942.



The drawing is lined for red. The stripes are disclaimed apart from the mark.
FOR LIVESTOCK AND POULTRY FEEDS.
Claims use on the trade-mark consisting of the Shield since May 2, 1941; and on the entire trade-mark as shown and consisting of the combination of the shield and horizontal red stripes since Sept. 9, 1942.

Ser. No. 460,647. GUM INCORPORATED, Philadelphia, Pa. Filed May 15, 1943.

CIN-A-MINT

The word "Mint" is disclaimed apart from the mark.
FOR CHEWING GUM.
Claims use since Dec. 11, 1942.

Ser. No. 462,775. MEAT INDUSTRY SUPPLIERS, INC., Chicago, Ill. Filed Aug. 16, 1943.



The representation of a smiling butcher is fanciful. No claim is made to the word "Products" apart from the mark.
FOR SPICES, INCLUDING ALLSPICE, CARAWAY, CARDAMON, CELERY, CINNAMON, CLOVES, CORIANDER, GINGER, IMITATION WHOLE CLOVES, MACE, MARJORAM, NUTMEG, PEPPER, SAGE, THYME; SEASONINGS FOR USE IN MAKING MEAT PRODUCTS INCLUDING BARBECUE LOAF, BOLOGNA, BRAUNSCHWEIGER, FRANKFURTER, HAM SAUSAGE, LIVER SAUSAGE, MINCED HAM, PORK SAUSAGE, VEAL LOAF, WIENER; EMULSIFIER COMPOSITIONS COMPRISING DEXTROSE BLENDED WITH VEGETABLE GUMS, FOR USE IN MAKING SAUSAGE AND SIMILAR MEAT PRODUCTS; CONDIMENTS MADE OF HYDROLYZED PLANT PROTEIN, SPICES, AND MEAT EXTRACT AND SOLUBLE DRY SEASONINGS COMPOUNDED WITH A SALT AND/OR DEXTROSE BASE.
Claims use since Nov. 6, 1941.

Ser. No. 464,402. H. H. SCHUMACHER, doing business as B-Z-B Honey Company, Alhambra-Los Angeles, Calif. Filed Oct. 25, 1943.



Applicant is the owner of trade-mark registration No. 311,152 for "B-Z-B." No claim is made to the words "Pure Wild Blossom" or to the representation of a label apart from the mark.
FOR HONEY.
Claims use since July 1943.

Ser. No. 467,948. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Mar. 3, 1944.

SOYETTI

FOR WHEAT AND SOY SPAGHETTI PRODUCT.
Claims use since Dec. 1, 1943.

Ser. No. 468,272. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif. Filed Mar. 13, 1944.

Tri-Valley

FOR CANNED FRUITS, CANNED FRUIT COCKTAIL, AND CANNED VEGETABLES.
Claims use since August 1932.

Ser. No. 468,753. INTERNATIONAL MILLING COMPANY, doing business as Commercial Flour Mills, Wilmington, Del. Filed Mar. 28, 1944.



The drawing is lined for blue.
FOR WHEAT FLOUR.
Claims use since Jan. 7, 1942.

Ser. No. 470,068. COMMERCIAL COMPINEX COMPANY, New York, N. Y. Filed May 9, 1944.

FRIGATE

FOR CANNED SARDINES.
Claims use since Mar. 6, 1944.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 469,596. BEN GOLDWARE, Omaha, Nebr. Filed Apr. 24, 1944.

KOREX

FOR ADMIXTURE OF RUBBER AND COMMINUTED PARTICLES OF CORK IN THE FORM OF RESILIENT SHEETS, SAID SHEETS BEING USEFUL FOR FORMING ARTICLES THEREFROM SUCH AS BY SKIVING ORTHOPEDIC PADS FROM SAID SHEETS.
Claims use since Dec. 5, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 4, 1944

407,874. LOOSE LEAF BINDER CONTAINING CORRELATED QUESTIONNAIRES AND APPLICATION FORMS. HARTFORD FIRE INSURANCE COMPANY, Hartford, Conn.
Filed March 28, 1939. Serial No. 417,575. PUBLISHED APRIL 25, 1944. Class 37.

407,875. CANNED FRUITS AND FRUIT JUICES; CANNED VEGETABLES AND VEGETABLE JUICES; CANNED SOUPS; CANNED FISH; CANNED PUREE; CANNED CATSUP; ETC. PHILIP FRANCIS BARR, doing business as Associated Food Factors, New York, N. Y.
Filed July 4, 1942. Serial No. 454,051. PUBLISHED APRIL 25, 1944. Class 46.

407,876. POCKETLIKE HOLDERS FOR CONTAINING ACCESSORIES SUCH AS PAPER, ENVELOPES, AND CARBON PAPER, AND ADAPTED TO BE ATTACHED TO OR MOUNTED ON PORTABLE TYPEWRITER CASES. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y.
Filed July 18, 1942. Serial No. 454,314. PUBLISHED APRIL 25, 1944. Class 2.

407,877. ELECTRICAL STORAGE BATTERIES. SURRETTE STORAGE BATTERY CO., INC., Salem, Mass.
Filed September 28, 1942. Serial No. 455,832. PUBLISHED APRIL 25, 1944. Class 21.

407,878. IDENTIFICATION TAGS MADE OF CELLULOID, FABRIC, OR METAL. D. L. WHEATON, Los Angeles, Calif.
Filed October 5, 1942. Serial No. 455,992. PUBLISHED APRIL 25, 1944. Class 50.

407,879. LIQUID PHENOL-FORMALDEHYDE RESIN SOLUTION, MADE ESPECIALLY FOR IMPREGNATING WOOD VENEERS FOR INCREASING THEIR STRENGTH AND DURABILITY, RENDERING THEM COMPRESSIBLE, PLASTIC, DENSE, AND WATER RESISTANT. THE BORDEN COMPANY, New York, N. Y.
Filed November 3, 1942. Serial No. 456,621. PUBLISHED APRIL 13, 1943. Class 6.

407,880. NURSERY AND JUVENILE FURNITURE—VIZ., PLAIN AND UPHOLSTERED HIGH CHAIRS; JUVENILE CHAIRS AND ROCKERS, ETC. LOUIS P. BRANTZ COMPANY, Philadelphia, Pa.
Filed November 3, 1942. Serial No. 456,622. PUBLISHED JANUARY 25, 1944. Class 32.

407,881. GAS-FLOW RECORDERS AND METERS, PRESSURE AND VACUUM RECORDERS AND GAUGES, THERMOMETERS, LIQUID-FLOW METERS, VALVE-POSITION INDICATORS, AND THERMOSTATIC VALVES FOR CONTROLLING FLUID TEMPERATURES. WALKER, CROSWELLER & COMPANY LIMITED, Cheltenham, England.
Filed November 20, 1942. Serial No. 456,949. PUBLISHED APRIL 25, 1944. Class 26.

407,882. RESIN FOR USE IN A TACKIFIER, PLASTICIZER, REPLACER AND EXTENDER OF CRUDE RUBBER, RECLAIMED RUBBER AND SYNTHETIC RUBBER. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed December 24, 1942. Serial No. 457,596. PUBLISHED FEBRUARY 23, 1943. Class 6.

407,883. CHAMOIS. GULF & WEST INDIES CO., INC., New York, N. Y.
Filed January 22, 1943. Serial No. 458,097. PUBLISHED APRIL 25, 1944. Class 1.

407,884. LEDGER AND BOND PAPER. BYRON WESTON COMPANY, Dalton, Mass.
Filed March 11, 1943. Serial No. 459,021. PUBLISHED APRIL 18, 1944. Class 37.

407,885. MEDICINAL VITAMIN PREPARATIONS. EMDEE LABORATORIES, INC., New York, N. Y.
Filed April 20, 1943. Serial No. 460,021. PUBLISHED JUNE 29, 1943. Class 6.

407,886. VEGETABLES, WHETHER FRESH, CANNED, OR PRESERVED; CANNED OR PRESERVED FRUITS; CANNED FISH, CANNED BEEF, CANNED HAM; CANNED TONGUE; CANNED TOMATO PASTE; SAUSAGE; BOLOGNA; TOMATO SAUCE, CATSUP; SOUPS; FRUIT JUICES; AND VEGETABLE JUICES. LLOBERA Y COMPANIA, S. EN C., Habana, Cuba.
Filed June 4, 1943. Serial No. 461,144. PUBLISHED JANUARY 18, 1944. Class 46.

407,887. CANNED FRUITS AND VEGETABLES. WENATCHEE VALLEY FOODS, INC., North Wenatchee, Wash.
Filed June 14, 1943. Serial No. 461,397. PUBLISHED APRIL 25, 1944. Class 46.

407,888. ALGIN PRODUCT FOR USE AS AN HYDROPHILIC COLLOID POSSESSING STABILIZING, BODYING, FILM-FORMING, SUSPENDING, GEL-FORMING, EMULSIFYING AND WATER HOLDING PROPERTIES IN COSMETIC PREPARATIONS SUCH AS CREAMS AND LOTIONS, ETC. KELCO COMPANY, San Diego, Calif.
Filed July 26, 1943. Serial No. 462,314. PUBLISHED SEPTEMBER 14, 1943. Class 6.

407,889. CRUDE, RAW OR PARTLY PREPARED ANIMAL HIDES AND SKINS. WERNER SCHWARZ AND JOVAN MUNIZABA, Buenos Aires, Argentina.
Filed July 31, 1943. Serial No. 462,429. PUBLISHED APRIL 18, 1944. Class 1.

407,890. SHOE TREES. GEORGE E. BELCHER COMPANY, Stoughton, Mass.
Filed August 13, 1943. Serial No. 462,699. PUBLISHED APRIL 18, 1944. Class 50.

407,891. ANCHORAGE CHAINS AND CHAIN LINKS. TAFT ALLOY STEEL COMPANY, Taft, Calif.
Filed August 23, 1943. Serial No. 462,956. PUBLISHED APRIL 25, 1944. Class 13.

407,892. CANDY. CHASERS, INC., New York, N. Y.
Filed September 20, 1943. Serial No. 463,506. PUBLISHED APRIL 25, 1944. Class 46.

407,893. FRESH CANTALOUPES, WATERMELONS, PEARS, PEACHES, ASPARAGUS, TOMATOES, AND PEAS. MAX KARP, doing business as Valevista Ranch Co., Palmdale, Calif.
Filed October 4, 1943. Serial No. 463,871. PUBLISHED APRIL 25, 1944. Class 46.

407,894. LEAD PENCILS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed October 8, 1943. Serial No. 463,999. PUBLISHED APRIL 25, 1944. Class 37.

407,895. SMOKING TOBACCO. BROOKS BROTHERS, New York, N. Y.
Filed October 18, 1943. Serial No. 464,214. PUBLISHED APRIL 18, 1944. Class 17.

407,896. APPARATUS FOR ELECTROLYTIC PROTECTION OF BOILERS, WATER TANKS, WATER HEATERS, PLUMBING, AND OTHER METALLIC VESSELS CONTAINING WATER OR OTHER ELECTROLITE FROM CORROSION, ETC. WILLIAM LOUIS WALKER, doing business as Walker Industries, San Francisco, Calif.
Filed October 28, 1943. Serial No. 464,493. PUBLISHED APRIL 25, 1944. Class 21.

407,897. PERFUME, TOILET WATER, POWDER AND ROUGE COMPACTS, LIPSTICK, ROUGE, FACE POWDER, ETC. AVON PRODUCTS, INC., New York, N. Y.
Filed November 6, 1943. Serial No. 464,774. PUBLISHED DECEMBER 21, 1943. Class 6.

407,898. PIPE TOBACCO. INTOCO TOBACCO CORPORATION, New York, N. Y.
Filed November 15, 1943. Serial No. 464,999. PUBLISHED APRIL 25, 1944. Class 17.

407,899. VITAMIN PREPARATION. LEONARD JAMES COMPANY, San Saba, Tex.
Filed November 10, 1943. Serial No. 464,888. PUBLISHED APRIL 18, 1944. Class 6.

407,900. PERFUMES, COLOGNES, TOILET WATERS, SACHETS, FACE, BODY, TALCUM, AND SACHET POWDERS, LIPSTICKS, CREAM AND DRY ROUGE, ETC. GIMBEL BROTHERS, INC., New York, N. Y.
Filed December 20, 1943. Serial No. 465,916. PUBLISHED APRIL 18, 1944. Class 6.

407,901. BARBER SUPPLIES—VIZ., PAPER NECK STRIPS. THE HOSPITAL SPECIALTY COMPANY, Cleveland, Ohio.
Filed December 27, 1943. Serial No. 466,081. PUBLISHED APRIL 25, 1944. Class 37.

407,902. CANOES. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C.
Filed January 11, 1944. Serial No. 466,493. PUBLISHED APRIL 25, 1944. Class 19.

407,903. PREPARATION FOR THE TREATMENT OR RELIEF OF RHEUMATISM, NEURITIS, NEURALGIA, AND ARTHRITIS. HERBERT W. PATTON, doing business as The Sal-Oda Sales Co., Boston, Mass.
Filed December 15, 1943. Serial No. 465,783. PUBLISHED APRIL 18, 1944. Class 6.

407,904. CUCUMBER SEEDS. EDWARD E. MARSH, doing business as Marsh's Nursery, Pasadena, Calif.
Filed December 27, 1943. Serial No. 466,093. PUBLISHED APRIL 25, 1944. Class 1.

407,905. RADIOPAQUE SOLUTION FOR INTRAVENOUS PYELOGRAPHY. G. D. SEARLE & CO., Chicago, Ill.
Filed December 28, 1943. Serial No. 466,129. PUBLISHED APRIL 18, 1944. Class 6.

407,906. POULTRY LITTER. NEVADA CELATOM CO., Chicago, Ill.
Filed January 10, 1944. Serial No. 466,456. PUBLISHED APRIL 25, 1944. Class 1.

407,907. FRESH MELONS AND FRESH VEGETABLES. D. F. STAHMANN, doing business as Stahmann Farms, Las Cruces, N. Mex.
Filed January 10, 1944. Serial No. 466,463. PUBLISHED APRIL 25, 1944. Class 46.

407,908. COMPOSITION SOLING MATERIAL IN SHEET FORM. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed January 22, 1944. Serial No. 466,793. PUBLISHED APRIL 18, 1944. Class 50.

407,909. PREPARATION FOR USE IN THE TREATMENT OF RHEUMATISM. ALFRED MOUNTFORD, Philadelphia, Pa.
Filed January 27, 1944. Serial No. 466,924. PUBLISHED APRIL 18, 1944. Class 6.

407,910. MACHINE FOR TRIMMING THE UPPER BEAK OF A FOWL. LYON RURAL ELECTRIC COMPANY, San Diego, Calif.
Filed January 29, 1944. Serial No. 466,998. PUBLISHED APRIL 25, 1944. Class 44.

407,911. HAIR AND PERMANENT WAVE LOTIONS. SAMUEL BONAT & BRO., New York, N. Y.
Filed February 1, 1944. Serial No. 467,063. PUBLISHED APRIL 18, 1944. Class 6.

407,912. HAIR AND PERMANENT WAVE LOTIONS. SAMUEL BONAT & BRO., New York, N. Y.
Filed February 1, 1944. Serial No. 467,064. PUBLISHED APRIL 18, 1944. Class 6.

407,913. COSMETIC DEODORANT AND ANTIPERSPIRANT. CARTER PRODUCTS, INC., New York, N. Y.
Filed February 1, 1944. Serial No. 467,065. PUBLISHED APRIL 18, 1944. Class 6.

407,914. FRESH VEGETABLES. FLOYD N. SMITH, doing business as Floyd N. Smith Co., Phoenix, Ariz.
Filed February 1, 1944. Serial No. 467,077. PUBLISHED APRIL 25, 1944. Class 46.

407,915. MEDICINAL PREPARATIONS FOR THE RATIONAL CONTROL OF GASTRO-INTESTINAL HYPERACIDITY. WILLIAM R. WARNER & CO. INC., Wilmington, Del., and New York, N. Y.
Filed February 2, 1944. Serial No. 467,118. PUBLISHED APRIL 18, 1944. Class 6.

407,916. LEATHER. B. D. EISENDRATH TANNING CO., Chicago, Ill.
Filed February 4, 1944. Serial No. 467,149. PUBLISHED APRIL 25, 1944. Class 1.

407,917. LEATHER. B. D. EISENDRATH TANNING CO., Chicago, Ill.
Filed February 4, 1944. Serial No. 467,150. PUBLISHED APRIL 25, 1944. Class 1.

407,918. MEDICINAL PREPARATION RECOMMENDED FOR USE IN PROPHYLAXIS AND TREATMENT OF CONDITIONS WHERE CALCIUM AND VITAMINS ARE INDICATED. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed February 5, 1944. Serial No. 467,194. PUBLISHED APRIL 18, 1944. Class 6.

407,919. GAME INVOLVING LETTER SEQUENCES. JOHN E. BURBEY, Kansas City, Mo.
Filed February 7, 1944. Serial No. 467,230. PUBLISHED APRIL 25, 1944. Class 22.

407,920. ODOR NEUTRALIZER. HOUSEHOLD PRODUCTS INCORPORATED, Stamford, Conn.
Filed February 7, 1944. Serial No. 467,241. PUBLISHED APRIL 18, 1944. Class 6.

407,921. FINGER RINGS. MURIEL BENNAHUM, New York, N. Y.
Filed February 8, 1944. Serial No. 467,264. PUBLISHED APRIL 25, 1944. Class 28.

407,922. VENETIAN BLINDS. MEYER FELDMAN, doing business as Zephyr Venetian Blind Co., Tucson, Ariz.
Filed February 8, 1944. Serial No. 467,273. PUBLISHED APRIL 25, 1944. Class 32.

407,923. MEDICINAL PREPARATION FOR POULTRY. F. B. CHAMBERLAIN COMPANY, East St. Louis, Ill.
Filed February 9, 1944. Serial No. 467,288. PUBLISHED APRIL 18, 1944. Class 6.

407,924. SYNTHETIC RESIN SHEETING FOR SHOE UPPERS. HERMANN LOEWENSTEIN, New York, N. Y.
Filed February 12, 1944. Serial No. 467,372. PUBLISHED APRIL 25, 1944. Class 1.

407,925. CANDY. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif.
Filed February 14, 1944. Serial No. 467,398. PUBLISHED APRIL 25, 1944. Class 46.

407,926. WATCH CASES, WATCHES, WATCH MOVEMENTS AND WATCH PARTS. WILLIAM B. OGUSH, INC., New York, N. Y.
Filed February 16, 1944. Serial No. 467,462. PUBLISHED APRIL 18, 1944. Class 27.

407,927. JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES. WILLIAM B. OGUSH, INC., New York, N. Y.
Filed February 16, 1944. Serial No. 467,463. PUBLISHED APRIL 25, 1944. Class 28.

407,928. CHAIRS. STANLEY OVERBY, doing business as Stanley Overby Chair Company, Inglewood, Calif.
Filed February 17, 1944. Serial No. 467,498. PUBLISHED APRIL 25, 1944. Class 32.

407,929. PHONOGRAPH NEEDLES. FRED E. WILLIAMSON, doing business as The Paraloy Co., Chicago, Ill.
Filed February 23, 1944. Serial No. 467,705. PUBLISHED APRIL 25, 1944. Class 36.

407,930. PHONOGRAPH NEEDLES. FRED E. WILLIAMSON, doing business as The Paraloy Co., Chicago, Ill.
Filed February 23, 1944. Serial No. 467,706. PUBLISHED APRIL 25, 1944. Class 36.

407,931. FRESH VEGETABLES. MANOS & WOOD, San Diego, Calif.
Filed February 25, 1944. Serial No. 467,764. PUBLISHED APRIL 25, 1944. Class 46.

407,932. WOMEN'S WALLETS. ORIGINALITIES, New York, N. Y.
Filed March 1, 1944. Serial No. 467,897. PUBLISHED APRIL 25, 1944. Class 3.

407,933. MERCHANDISE DISPLAY FORMS FOR CHILDREN'S, MEN'S, AND WOMEN'S APPAREL ARTICLES, AND CHILDREN'S, MEN'S, AND WOMEN'S MANNEQUINS. L. A. DARLING COMPANY, Bronson, Mich.
Filed March 31, 1944. Serial No. 468,878. PUBLICATION WAIVED. Class 50.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

407,934. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RYOICHI TATEISHI, doing business as Hawaiian Fruit Candy Factory, Kalaheo, Territory of Hawaii. Filed Sept. 30, 1940. Serial No. 436,528.

KUKUI

FOR GUAVA JUICE, PAPAYA JUICE, A GUAVA, A PAPAYA, A PASSION FRUIT, AND COCONUT TABLE SYRUPS; GUAVA JAM AND JELLY, PAPAYA JAM, COCONUT AND PAPAYA JAM, POHA JAM; MANGO PRESERVES AND PAPAYA PRESERVE; CRUSHED GUAVA AND CRUSHED PINEAPPLE; CRUSHED POHA, MANGO CHUTNEY FOR A MEAT SAUCE; READY MIXED POI, A BREAD SUBSTITUTE, LILIKOI PASSION FRUIT; GUAVA CANDY AND CANDIED FRUITS.
Claims use since Mar. 1; 1938.

407,935. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Mar. 5, 1942. Serial No. 451,425. The drawing is lined for shading only.

SNOW WHITE

FOR FINELY GROUND GYPSUM USED AS PAPER FILLER, PAINT FILLER, RUBBER FILLER, AND TEXTILE FILLER.
Claims use since April 1919.

407,936. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UNIVERSAL SANITARY MANUFACTURING COMPANY, New Castle, Pa. Filed Mar. 24, 1943. Serial No. 459,323.

CAMDEN HI-FIRED V/C

FOR WATER CLOSET TANKS, CLOSET BOWLS, URINALS, LAVATORIES, KITCHEN SINKS, AND LAUNDRY TRAYS.
Claims use since Sept. 15, 1942.

407,937. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed Apr. 9, 1943. Serial No. 459,773.

STURDI-GRO

FOR GRASS, VEGETABLE, AND FLOWER SEEDS.
Claims use since Mar. 25, 1943.

407,938. (CLASS 2. RECEPTACLES.) CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed May 17, 1943. Serial No. 460,665.

LOCK-CAN

FOR CYLINDRICAL PAPERBOARD CONTAINERS AND COMPONENT PARTS THEREOF.
Claims use since Mar. 27, 1943.

407,939. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed May 20, 1943. Serial No. 460,780.

QUALITAS SUPERBAS

Devonshire

FOR SMOKING PIPES.
Claims use since Mar. 1, 1943.

407,940. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed June 5, 1943. Serial No. 461,163.

PAN AMERICAN

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since May 21, 1943.

407,941. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HYTRON CORPORATION, Salem, Mass. Filed Aug. 30, 1943. Serial No. 463,096.

RADIO COP

FOR PORTABLE MINIATURE RADIO SENDING AND RECEIVING SETS.
Claims use since May 1, 1943.

407,942. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HAWKINS-HAWKINS CO., Oakland, Calif. Filed Jan. 24, 1944. Serial No. 466,838.

CIRCLE H

The lining on the drawing is for shading only.
FOR WELDING RINGS.
Claims use since Feb. 26, 1943.

407,943. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUISE FABISH, New York, N. Y. Filed Mar. 15, 1944. Serial No. 468,323.

SKIN AND TISSUE OIL

Louise Fabish NEW YORK

FOR COSMETIC OIL FOR MASSAGING, CLEANSING AND PROTECTING THE SKIN.
Claims use since December 1940.

407,944. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HOROWITZ & SON, INC., New York, N. Y. Filed Mar. 24, 1944. Serial No. 468,610.

Sussex

FOR WATCHES.
Claims use since March 1936.

407,945. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HARRY RODMAN, New York, N. Y. Filed Mar. 29, 1944. Serial No. 468,815.

LANCO

FOR WATCHES AND WATCH MOVEMENTS.
Claims use since Jan. 23, 1941.

TRADE-MARK REGISTRATIONS RENEWED

25,222. **"SAUER'S" AND DESIGN.** FLAVORING EXTRACTS AND BAKING POWDER. Registered September 11, 1894. THE C. F. SAUER COMPANY, Richmond, Va., a corporation of Virginia. Re-renewed September 11, 1944.

25,272. **GERMICIDE SOAP.** SOAP FOR ANTISEPTIC AND DISINFECTING PURPOSES. Registered September 25, 1894. FELS & CO. Re-renewed September 25, 1944, to Fels & Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

25,331. **ENAMELINE.** POLISH FOR STOVES AND SIMILAR ARTICLES. Registered October 9, 1894. J. L. PRESCOTT & CO., North Berwick, Maine. Re-renewed October 9, 1944, to J. L. Prescott Company, Passaic, N. J., a corporation of New Jersey, assignee.

25,477. **"HOLD FAST" AND DRAWING.** NAILS. Registered November 6, 1894. CHARLES F. BAKER & CO., Boston, Mass. Re-renewed November 6, 1944, to Charles F. Baker & Co. Inc., Framingham, Mass., a corporation of Massachusetts, successor.

183,574. **"LIGGETT'S KANDY PACKS" AND DRAWING.** CANDY. Registered May 6, 1924. UNITED DRUG COMPANY, doing business as United Candy Company. Renewed May 6, 1944, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

183,725. **"MOHEGAN" AND DRAWING.** WRITING AND WRAPPING PAPER. Registered May 6, 1924. HOLLINGSWORTH & WHITNEY CO., Boston, Mass., a corporation of Massachusetts. Renewed May 6, 1944.

183,985. **GRILL ROOM.** BACON. Registered May 13, 1924. F. A. FERRIS & CO. INC., New York, N. Y. Renewed May 13, 1944, to Stahl-Meyer, Inc., Brooklyn, N. Y., a corporation of New York, by consolidation.

184,278. **"THE BABCOCK & WILCOX TUBE CO." AND DRAWING.** STEEL TUBES. Registered May 20, 1924. THE BABCOCK & WILCOX TUBE COMPANY, Beaver Falls, Pa., a corporation of Pennsylvania. Renewed May 20, 1944.

184,294. **GLADBROOK.** PREPARED MUSTARD. Registered May 20, 1924. GLADBROOK MUSTARD FACTORY. Renewed May 20, 1944, to Gladbrook Mustard Factory, Gladbrook, Iowa, a corporation of Iowa, successor.

184,852. **"CLOVERLEAF" AND DRAWING.** LAYING MASH, SCRATCH FEED, POULTRY FEED, DAIRY FEED, HORSE AND MULE AND DRY MIXED FEED. Registered June 3, 1924. ARKADELPHIA MILLING CO., Arkadelphia, Ark., a corporation of Arkansas. Renewed June 3, 1944.

184,904. **"BULOVA" AND DRAWING.** WATCHES. Registered June 3, 1924. BULOVA WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Renewed June 3, 1944.

184,952. **REPRESENTATION OF A GREEN STRAND IN WIRE FENCE.** WIRE FENCE, INCLUDING FARM AND POULTRY FENCES. Registered June 3, 1924. KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Renewed June 3, 1944, to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana, assignee.

185,129. **SILVERLITE.** METAL LIGHT REFLECTORS. Registered June 10, 1924. I. P. FRINK, INC., New York, N. Y. Renewed June 10, 1944, to The Frink Corporation, Long Island City, N. Y., a corporation of New York, assignee.

185,404. **"THE HANDY CLASS RECORD" AND DRAWING.** PAMPHLET RECORDS FOR CLASS USE IN SCHOOLS FOR MARKING THE GRADES, NOTEBOOKS. Registered June 17, 1924. MCCORMICK-MATHERS COMPANY, Wichita, Kans. Renewed June 17, 1944, to G. R. Oleson, doing business as School Specialty Supply, Salina, Kans., assignee.

185,440. **VIKING.** SHIP LOGS, NAUTICAL DISTANCE RECORDERS, NAUTICAL SPEED INDICATORS, SOUNDING MACHINES, AND SHIP LOG LINES FOR SAID NAUTICAL INSTRUMENTS. Registered June 17, 1924. THOMAS WALKER & SON LIMITED, Birmingham, England, an organized company of Great Britain. Renewed June 17, 1944.

185,638. **GAMELAN.** PREPARATIONS OF FATS, LIPOIDS, AND WAXES FOR SUBCUTANEOUS AND PERCUTANEOUS USE IN THE TREATMENT OF TUBERCULOSIS OF HUMAN BEINGS. Registered June 24, 1924. HAUSMANN A.-G. SCHWIZ. MEDIZINAL- & SANITÄTSGESCHÄFT ST. GALLEN., St. Gall, Switzerland, a corporation of Switzerland. Renewed June 24, 1944.

185,875. **DICTAPHONOIL.** LUBRICATING OIL. Registered June 24, 1924. DICTAPHONE CORPORATION, Bridgeport, Conn., a corporation of New York. Renewed June 24, 1944.

186,136. **COCONUTLETS.** PREPARED TOASTED COCONUT. Registered July 1, 1924. FRANKLIN BAKER COMPANY, Philadelphia, Pa. Renewed July 1, 1944, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee.

186,262. **MARIE ANTOINETTE.** COTTON PIECE GOODS AND HOUSEHOLD LINEN—VIZ, SHEETS AND PILLOWCASES, BEDSPREADS, AND TABLECLOTHS. Registered July 8, 1924. N. Y. COTTON STORES INC. Renewed July 8, 1944, to Drygoods Retailers, Inc., New York, N. Y., a corporation of New York, successor.

186,825. **"KING VALLEY" AND DESIGN.** WALNUTS, BOTH SHELLED AND UNSHELLED, IN THEIR NATURAL STATE. Registered July 22, 1924. BENNETT DAY IMPORTING COMPANY, INC. Renewed July 22, 1944, to General Foods Sales Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

186,845. **"DANISH PRIDE" AND DRAWING.** CONDENSED MILK AND EVAPORATED MILK. Registered July 22, 1924. DANISH PRIDE MILK PRODUCTS CO., Sheboygan, Wis. Renewed July 22, 1944, to Pet Milk Company, St. Louis, Mo., a corporation of Delaware, assignee.

187,430. **INSULCRETE.** LIGHT-WEIGHT HEAT-INSULATING CONCRETE. Registered August 5, 1924. QUIGLEY FURNACE SPECIALTIES COMPANY, INC. Renewed August 5, 1944, to Quigley Company, Inc., New York, N. Y., a corporation of New York, by change of name.

187,698. **U.** MEDICINAL PREPARATIONS FOR THE TREATMENT OF DIABETES AND TO LOWER BLOOD SUGAR AND TO DIMINISH ACIDOSIS. Registered August 12, 1924. ELI LILLY AND COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed August 12, 1944.

188,203. **NANCEE.** GIRLS', MISSES', LADIES', AND WOMEN'S HATS. Registered August 19, 1924. ZIEGLER MANUFACTURING COMPANY. Renewed August 19, 1944, to Nancee Hat Shops, Inc., St. Louis, Mo., a corporation of Missouri, assignee by mesne assignments.

188,655. **FOSTER.** CONE WINDERS, TUBE WINDERS, AND GASSING MACHINES FOR YARN, THREAD, CORD, TWINE, AND THE LIKE. Registered September 2, 1924. FOSTER MACHINE COMPANY, Westfield, Mass., a corporation of Massachusetts. Renewed September 2, 1944.

188,788. **THERMOLITE.** PACKING OF RUBBER AND FIBER. Registered September 2, 1924. NEW YORK BELTING AND PACKING COMPANY. Renewed September 2, 1944, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee.

189,034. **WOW.** MOTOR FUEL. Registered September 9, 1924. WAVERLY OIL WORKS COMPANY. Renewed September 9, 1944, to The Waverly Oil Works Company, Pittsburgh, Pa., a corporation of Pennsylvania, successor.

189,256. **GOLDILOCKS.** HOSIERY. Registered September 16, 1924. CHIPMAN KNITTING MILLS, Easton, Pa. Renewed September 16, 1944, to Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York, assignee.

189,268. **SACKVILLE.** MEN'S AND YOUNG MEN'S SUITS. Registered September 16, 1924. R. H. MACY & Co., INC., New York, N. Y., a corporation of New York. Renewed September 16, 1944.

189,343. **BERMA.** COFFEE. Registered September 16, 1924. JONES BROTHERS TEA COMPANY INC., Brooklyn, N. Y. Renewed September 16, 1944, to The Grand Union Company, New York, N. Y., a corporation of Delaware, assignee.

189,350. **"HOME RUN KHAKI FAMILY" AND DRAWING.** WEARING APPAREL CONSISTING OF DRESS, NEGLIGEE, AND WORK SHIRTS, BLOUSES, COATS, VESTS, PANTS, JACKETS, JUMPERS, OVERALLS; KNITTED AND TEXTILE FABRIC UNDERWEAR; KNICKERBOCKERS FOR MEN, YOUTHS, AND BOYS; PLAYSUITS, FLAPPER SUITS FOR CHILDREN; SHIRTWAISTS, BLOUSES, KNICKERBOCKERS, PANTS, COATS FOR GIRLS, MISSES, AND LADIES. Registered September 16, 1924. LEVI STRAUSS AND COMPANY, San Francisco, Calif., a corporation of California. Renewed September 16, 1944.

189,415. **SACKVILLE, JR.** YOUNG MEN'S SUITS. Registered September 16, 1924. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed September 16, 1944.

189,757. **"WILLIAM ARMSTRONG JOCKEYS SCRATCHES" AND DRAWING.** DAILY PUBLICATION. Registered September 23, 1924. WILLIAM ARMSTRONG. Renewed September 23, 1944, to Armstrong Publications, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

189,764. **NATIONAL.** WINDOW-SHADE CURTAINS. Registered September 23, 1924. THE NATIONAL LOCK WASHER COMPANY, Newark, N. J., a corporation of New Jersey. Renewed September 23, 1944.

189,830. **"PREMIER" AND DRAWING.** VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER. Registered September 30, 1924. THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Renewed September 30, 1944, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

189,933. **REPRESENTATION OF A BROAD RED LINE IN THE EDGE OF FIBER BOARD.** ARTIFICIAL LUMBER IN THE NATURE OF HEAVY PAPER OR FIBER BOARD. Registered September 30, 1924. THE UPSON COMPANY, Lockport, N. Y., a corporation of New York. Renewed September 30, 1944.

189,987. **BANNER.** PREPARED COCONUT. Registered September 30, 1924. FRANKLIN BAKER COMPANY, Hoboken, N. J. Renewed September 30, 1944, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee.

189,988. **SILVER NUGGET.** PREPARED COCONUT. Registered September 30, 1924. FRANKLIN BAKER COMPANY, Hoboken, N. J. Renewed September 30, 1944, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee.

190,168. **SPRACOAT.** PNEUMATIC PAINTING AND INDUSTRIAL SURFACE FINISHING EQUIPMENT. Registered October 7, 1924. SPRAY ENGINEERING COMPANY, Boston, Mass. Renewed October 7, 1944, to Spray Engineering Company, Somerville, Mass., a corporation of Massachusetts, assignee.

190,262. **'BALACLAVA'.** MEN'S OVERCOATS. Registered October 7, 1924. SCORE'S BALACLAVA LIMITED. Renewed October 7, 1944, to Score's 'Balaclava' Co. Limited, Toronto, Ontario, Canada, a corporation of Canada, successor.

190,339. **K. & O.** FINGER RINGS, BAR PINS, SCARF PINS, BRACELETS, SAUTOIRS, WATCH CHAINS, GEM SETTINGS, MESH BAGS, VANITY CASES, BARRETTES, BROOCHES, BELT BUCKLES, COLLAR PINS, CIGARETTE CASES, CIGAR CUTTERS, COLLAR BUTTONS, EARRINGS, WATCH FOBS, NECKLACES, AND OTHER CERTAIN NAMED ARTICLES OF JEWELRY, ALL BEING MADE OF OR COATED WITH PRECIOUS METAL. Registered October 14, 1924. KATZ & OGUSH, INC. Renewed October 14, 1944, to William B. Ogush, Inc., New York, N. Y., a corporation of New York, by change of name.

190,364. **BUDDY.** ARTIFICIAL FLOWERS. Registered October 14, 1924. VETERANS OF FOREIGN WARS OF THE UNITED STATES, Kansas City, Kans. Renewed October 14, 1944, to Veterans of Foreign Wars of the United States, Kansas City, Mo., a Congressional corporation, successor.

190,425. **SILOX.** TOILET POWDER. Registered October 14, 1924. THE SILICA GEL PRODUCTS CORPORATION. Renewed October 14, 1944, to The Davison Chemical Corporation, Baltimore, Md., a corporation of Maryland, assignee.

190,703. **ANACO.** VARNISH. Registered October 21, 1924. RED HAND COMPOSITIONS COMPANY, INC., New York, N. Y., a corporation of New York. Renewed October 21, 1944.

190,724. **"CERTIFIED" AND DESIGN.** BREAD. Registered October 21, 1924. WARD BROS. CO. INC., Buffalo, N. Y. Renewed October 21, 1944, to Continental Baking Company, New York, N. Y., a corporation of Delaware, assignee.

190,821. **REPRESENTATION OF THREE BOTTLES ON A TRAY.** NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. Registered October 28, 1924. ORANGE-CRUSH COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 28, 1944.

190,878. **BAR-BRAND.** CUT LACE LEATHER AND LACE LEATHER IN SIDES. Registered October 28, 1924. THE GRATON & KNIGHT MANUFACTURING COMPANY. Renewed October 28, 1944, to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts, assignee.

190,914. **"RED HAND" AND DRAWING.** PAINTS OF VARIOUS KINDS INCLUDING ENAMELS AND ANTICORROSIVE AND ANTIFOULING COMPOSITIONS. Registered October 28, 1924. RED HAND COMPOSITIONS COMPANY, INC., New York, N. Y., a corporation of New York. Renewed October 28, 1944.

190,952. **"TESCO" AND DESIGN.** DRAWING INSTRUMENTS—VIZ., CURVES AND ANGLES MADE OF CELLULOID; T-SQUARES, ANGLES, CURVES, AND DRAWING BOARDS MADE OF WOOD—AND DRAWING TABLES. Registered October 28, 1924. TECHNICAL SUPPLY COMPANY. Renewed October 28, 1944, to International Textbook Company, Scranton, Pa., a corporation of Pennsylvania, successor.

190,984. **WOLF.** SAFETY LAMPS, CARBIDE CAP LAMPS, CARBIDE HANDLAMPS. Registered October 28, 1924. WOLF SAFETY LAMP CO. OF AMERICA, INC., Brooklyn, N. Y., a corporation of New York. Renewed October 28, 1944.

191,018. **"MELROSE" AND DRAWING.** OPERATING GOWNS, OPERATING SUITS, LABORATORY GOWNS, VISITORS' GOWNS, PATIENTS' GOWNS, INTERNE SUITS, ORDERLY SUITS, STRAIGHT JACKETS, RUBBER APRONS FOR USE IN HOSPITALS: COATS AND APRONS FOR BARBERS, BAKERS, BARTENDERS, COOKS, DOCTORS, SODA DISPENSERS, STEWARDS, WAITERS; AND SMOCKS FOR ARTISTS. Registered October 28, 1924. PETER TAMES, doing business as Melrose Hospital Uniform Company and Melrose Manufacturing Co., New York, N. Y. Renewed October 28, 1944.

191,117. **"GATITO" AND DRAWING.** THREADS OF SILK, COTTON, AND WOOL. Registered November 4, 1924. THE CORTICELLI SILK COMPANY, Florence, Mass. Renewed November 4, 1944, to Belding Heminway Company, New York, N. Y., a corporation of Connecticut, assignee.

191,127. **"PINETEX" AND DRAWING.** MOTHPROOF BAGS. Registered November 4, 1924. ABRAHAM & STRAUS, INC., New York, N. Y. Renewed November 4, 1944, to Abraham & Straus, Inc., Brooklyn, N. Y., a corporation of New York.

191,129. **VELDURO.** SEMIPASTE PAINT. Registered November 4, 1924. WEST COAST KALSOMINE COMPANY. Renewed November 4, 1944, to Wesco Waterpaints, Inc., Berkeley, Calif., a corporation of California, by change of name.

191,136. **BRADFASTA.** COTTON, SILK, AND WOOLEN PIECE GOODS. Registered November 4, 1924. BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I., a corporation of Rhode Island. Renewed November 4, 1944.

191,139. **SOLENDURE.** COTTON, SILK, AND WOOLEN PIECE GOODS. Registered November 4, 1924. BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I., a corporation of Rhode Island. Renewed November 4, 1944.

191,141. **BRADVISCA.** COTTON, SILK, AND WOOLEN PIECE GOODS. Registered November 4, 1924. BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I., a corporation of Rhode Island. Renewed November 4, 1944.

191,152. **"ICEMASTER" AND DRAWING.** AUTOMATIC REFRIGERATING APPARATUS. Registered November 4, 1924. IRVING L. KEITH, Haverhill, Mass. Renewed November 4, 1944.

191,167. **TANGO.** POWDER PUFFS. Registered November 4, 1924. MAURICE LEVY, New York, N. Y. Renewed November 4, 1944, to Hygienol Company, Inc., New Rochelle, N. Y., a corporation of New York, assignee.

191,179. **"THE OLD TIME" AND DRAWING.** HANDKERCHIEFS. Registered November 4, 1924. THE ACHESON HARDEN CO. Renewed November 4, 1944, to Acheson Harden & Company, New York, N. Y., a firm, assignee.

191,200. **REPRESENTATION OF HAIR ON THE HAIR SIDE OF LEATHER BELTING.** FLAT AND ROUND LEATHER BELTING. Registered November 4, 1924. CHARLES BOND COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed November 4, 1944.

191,214. **BRADCELA.** COTTON, SILK, AND WOOLEN PIECE GOODS. Registered November 4, 1924. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I., a corporation of Rhode Island. Renewed November 4, 1944.

191,215. **BRADSYLKA.** COTTON, SILK, AND WOOLEN PIECE GOODS. Registered November 4, 1924. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I., a corporation of Rhode Island. Renewed November 4, 1944.

191,216. **BRADPERMA.** COTTON, SILK, AND WOOLEN PIECE GOODS. Registered November 4, 1924. BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I., a corporation of Rhode Island. Renewed November 4, 1944.

191,219. **KLINK.** EXTRACT IN LIQUID FORM FOR THE MANUFACTURE OF A NONALCOHOLIC, MALTLESS BEVERAGE. Registered November 4, 1924. THE DILL COMPANY, Norristown, Pa., a corporation of Pennsylvania. Renewed November 4, 1944.

191,241. **"BLACKNIGHT" AND DRAWING.** LEATHER PACKINGS. Registered November 4, 1924. THE GRATON & KNIGHT MANUFACTURING COMPANY. Renewed November 4, 1944, to The Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts, assignee.

191,243. **ELECTRUCK.** ELECTRIC DELIVERY AND PASSENGER VEHICLES. Registered November 4, 1924. RALPH D. WARD. Renewed November 4, 1944, to The Yale & Towne Manufacturing Company, New York, N. Y., a corporation of Connecticut, assignee by mesne assignments.

191,255. **O HENRY.** COFFEE. Registered November 4, 1924. CAROLINA COFFEE COMPANY, Charleston, S. C., a corporation of South Carolina. Renewed November 4, 1944.

191,258. **"TRIANGLE" AND DRAWING.** ARTIFICIAL AND REAL SILK YARN AND SILK THREAD. Registered November 4, 1924. AARON J. ROTHSTEIN. Renewed November 4, 1944, to Aaron J. Redston, formerly known as A. J. Rothstein, doing business as Triangle Thread Mills, New York, N. Y., by judicial change of name.

191,284. **REX.** FRESH DECIDUOUS FRUITS—NAMELY, PEACHES AND APRICOTS; AND ALL VARIETIES OF MELONS—NAMELY, PERSIAN MELONS. Registered November 4, 1924. CHAS. B. RUMBLE, doing business as Chas. B. Rumble & Sons, Modesto and Salida, Calif. Renewed November 4, 1944, to C. B. Rumble & Sons, Salida, Calif., a co-partnership, assignee.

191,308. **CELLOGLAS.** WRAPPING AND TRANSPARENT PAPERS. Registered November 4, 1924. WESTFIELD RIVER PAPER COMPANY, INC., Russell, Mass., and New York, N. Y. Renewed November 4, 1944, to Westfield River Paper Company, Inc., Russell, Mass., a corporation of Massachusetts.

191,325. **INTERNATIONAL.** CLOCKS AND TIME RECORDERS. Registered November 4, 1924. INTERNATIONAL TIME RECORDING COMPANY OF NEW YORK. Renewed November 4, 1944, to International Business Machines Corporation, New York, N. Y., a corporation of New York, assignee.

191,339. **NONOTUCK.** THREAD OF COTTON, SILK, OR COTTON AND SILK OR OF OTHER FIBROUS MATERIAL FOR SEWING, CROCHETING, EMBROIDERING, KNITTING, ETC. Registered November 4, 1924. THE CORTICELLI SILK COMPANY, Northampton, Mass. Renewed November 4, 1944, to Belding Heminway Company, New York, N. Y., a corporation of Connecticut, assignee.

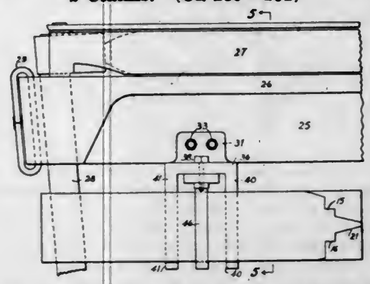
191,366. **MARTY'S.** CANDY. Registered November 4, 1924. F. A. MARTOCCIO MACARONI CO., Minneapolis, Minn. Renewed November 4, 1944, to Hollywood Brands, Inc., Centralia, Ill., a corporation of Minnesota, by change of name.

191,367. **MISSION GARDEN.** DOMESTIC BEVERAGES—VIZ, COCOA, COFFEE, TEA, AND CHOCOLATE; STAPLES—VIZ, TAPIOCA, BARLEY, FARINA, SAMP, RICE, AND HOMINY; JELLIES AND PASTE—VIZ, ALMOND PASTE, MINT-FLAVOR JELLY, ORANGE MARMALADE, GRAPEFRUIT MARMALADE, GRAPE-FRUIT AND ORANGE MARMALADE, CRABAPPLE, QUINCE, RED-CURRANT, AND GRAPE JELLIES; AND OTHER CERTAIN NAMED FOOD PRODUCTS. Registered November 4, 1924. CHARLES & CO. Renewed November 4, 1944, to Mission Garden Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

REISSUES

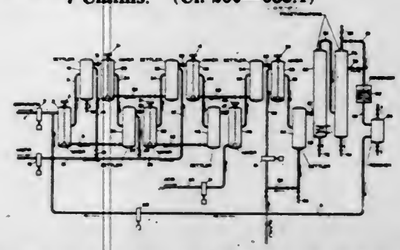
JULY 4, 1944

22,509
CHECKSTRAP FOR LOOMS
John R. Brandon, Cramerton, N. C.
Original No. 2,347,539, dated April 25, 1944, Serial No. 505,518, October 8, 1943. Application for reissue May 5, 1944, Serial No. 534,282
2 Claims. (Cl. 139—161)



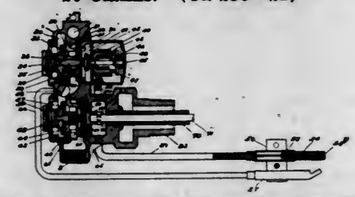
1. A check strap for looms comprising a unitary strap formed into an endless belt having inner and outer layers, the strap having an opening intermediate its ends and also having a restricted portion spaced from the opening, the strap being led through the opening until its restricted portion rests in the opening to thus form the inner layer of the check strap, and the free end portions of the strap being folded around the inner layer and having the ends thereof secured together.

22,510
ALKYLATION OF HYDROCARBONS
Arthur R. Goldsby and Ernest F. Pevere, Beacon, Louis A. Clarke, Fishkill, and George B. Hatch, Beacon, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Original No. 2,256,450, dated September 16, 1941, Serial No. 214,488, June 18, 1938. Application for reissue September 24, 1941, Serial No. 412,166
7 Claims. (Cl. 260—683.4)



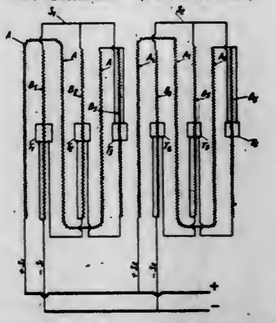
6. In a process for the alkylation of a low-boiling isoparaffin with an olefin, wherein the isoparaffin is contacted with the olefin in the presence of strong sulfuric acid under alkylating conditions in a reaction zone, reaction products are removed to a settling zone where hydrocarbon phase is separated from acid phase, and at least a portion of the separated acid is recycled to the said reaction zone, the improvement which comprises contacting the said recycle acid prior to its return to the said reaction zone with a substantially olefin-free low-boiling isoparaffin to strip absorbed olefin product therefrom, separating the said isoparaffin with stripped olefin product from the treated acid, and then passing the treated acid to the alkylation reaction zone.

22,511
FUEL CONTROL DEVICE
Wilbur F. Jackson, Compton, Calif., assignor to Grayson Heat Control, Limited, Lynwood, Calif., a corporation of California
Original No. 2,201,399, dated May 21, 1940, Serial No. 183,811, January 7, 1938. Application for reissue February 7, 1941, Serial No. 377,901
20 Claims. (Cl. 236—21)



10. In a device of the character described, in combination, a control device having an electromagnet provided with an armature connected to a controlling member and adapted when energized to hold said member in operating position and when deenergized to release said member for movement to a safety position, a shutoff cock, reset means for resetting said armature to attracted position and said controlling member to operating position, and means for preventing the resetting operation of said reset means except when said shutoff cock is closed.

22,512
ELECTRIC HEATING SYSTEM FOR GARMENTS AND OTHER OBJECTS
Uscher Munschak, New York, N. Y., assignor of one-half to Jacob Wolodarsky, Paris, France
Original No. 2,284,673, dated June 2, 1942, Serial No. 335,515, May 16, 1940. Application for reissue May 25, 1943, Serial No. 488,445. In France June 1, 1939
17 Claims. (Cl. 219—46)

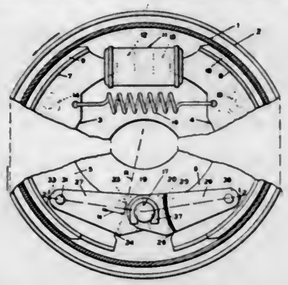


13. An electrical heating system of the class described including three resistances adapted to

be connected to a source of current, means interconnecting one end of each of said resistances in parallel, means connecting the other ends of each of said resistances in parallel, a thermostat connected between the first two of said resistances, and a second thermostat connected between the opposite ends of the second and third resistances, said thermostats being disposed in parallel between two parallel connected resistances, and means for connecting said resistances to a source of current.

22,513
SINGLE ANCHOR MOUNTING CONSTRUCTION FOR BRAKE SHOES
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Original No. 2,325,998, dated August 3, 1943, Serial No. 423,897, December 22, 1941. Application for reissue January 7, 1944, Serial No. 517,448
15 Claims. (Cl. 188—79.5)

1. In braking mechanism, a support, a brake drum, two brake shoes positioned in the drum and provided with curved abutment surfaces on adjacent heel ends, means for mounting said adjacent heel ends on the support, said mounting means comprising a single anchor pin, abutment members positioned for pivotal movement about the pin and lying in the same plane, said abutment members having curved surfaces for engagement by the curved surfaces on the heel



ends of the shoes, a link non-rotatively connected to one abutment member and pivotally connected to the shoe engaged therewith, and a second link non-rotatably connected to the other abutment member and pivotally connected to the shoe engaged therewith.

PLANT PATENTS

GRANTED JULY 4, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

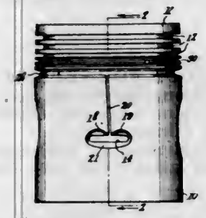
633
SANSEVIERIA PLANT
Oscar Nelson, Miami, Fla.
Application June 24, 1943, Serial No. 492,082
1 Claim. (Cl. 47—59)

The new and distinct variety of Sansevieria plant having the novel combination of features shown and described, characterized particularly by its semi-drawf and compact growth; its smooth, velvety dark green leaves; and its ability to reproduce true by means of both suckers and leaf cuttings.

PATENTS

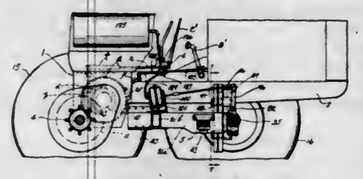
GRANTED JULY 4, 1944

2,352,592
EXPANSION CONTROLLING PISTON CONSTRUCTION
Alexander M. Alexandrescu, Cleveland, Ohio
Application February 18, 1941, Serial No. 379,522
4 Claims. (Cl. 309—11)



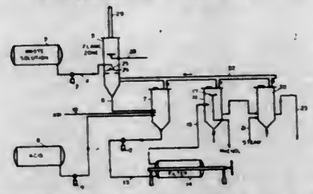
1. An improved piston comprising a piston head and skirt, said skirt having a substantially cylindrical wall with an outer surface to engage the cylinder and with an inner surface to receive oil splashed up from the crank case, said skirt having an opening through its cylindrical wall, the opening having upper and lower walls, said lower wall being inclined inwardly of the skirt, said upper wall being inclined in two directions, one component direction being on a line converging inwardly of the skirt mutually with said lower wall, the other component being on an inclination converging from the outer ends of the opening inwardly convergent to the central portion of said opening, the external elevation of the combined opening and walls being substantially heart-shaped, with the upper edges of the upper wall curved down mutually toward one another at their central parts.

2,352,593
WHEEL EQUIPPED TRACTOR
George S. Allin, Seattle, Wash., assignor to Isaacson Iron Works, Seattle, Wash., a corporation of Washington
Application October 20, 1941, Serial No. 415,705
5 Claims. (Cl. 180—17)



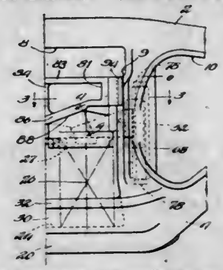
1. In a tractor having a main frame, traction units at opposite sides of the main frame for its support, a prime mover mounted by the main frame, driving connections between the prime mover and the traction units, each connection including a steering clutch and brake, individual braking means applied directly to the traction units, and a brake applying means common to the steering clutch brake and traction unit braking means at the same side of the main frame and operable to effect their energization in sequence.

2,352,594
RECLAIMING OF CONSTITUENTS FROM WASTE SOLUTIONS CONTAINING SULPHUR, ETC.
Joseph August, Jr., Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application January 6, 1941, Serial No. 373,327
5 Claims. (Cl. 23—226)



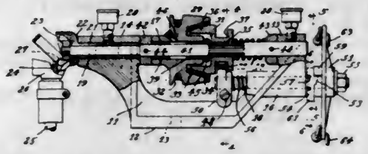
5. A process of treating waste solutions of caustic soda containing accumulated sulphur compounds obtained in treating hydrocarbon distillates, which comprises treating the solution with a mineral acid, filtering out the sulphur disengaged, separating from the filtrate any liquid layer of lighter gravity, and heating the filtrate and subjecting the fumes disengaged to scrubbing with the incoming feed of the waste solution on its way to the acid mixing step.

2,352,595
CAR TRUCK
Fred E. Bachman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 17, 1941, Serial No. 419,421
22 Claims. (Cl. 105—197)



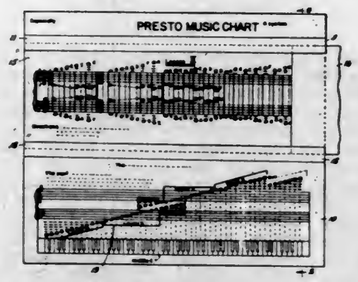
3. In a railway car truck, a truss side frame comprising tension and compression members and spaced columns defining therewith a bolster opening, said opening comprising a widened portion at the top thereof, resilient means supported on said tension member in said bolster opening, a two-piece spring cap seated on said resilient means and comprising friction surfaces at the ends thereof and diagonal faces on the top thereof, and a bolster end seated on said cap in complementary engagement with said faces and urging said friction surfaces into engagement with the associated columns, said bolster end having inboard and outboard guide lugs abutting said columns, said lugs having less depth than the widened portion of said bolster opening in order to permit the removal therethrough of said bolster while the spring group and spring cap remain in normal assembled relationship.

2,352,596
POWER DRIVEN CLUTCH AND SHIFTER ASSEMBLY
Edwin S. Bartlett and Ernest R. Eldridge, Chicago, Ill., assignors to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application January 30, 1942, Serial No. 428,814
6 Claims. (Cl. 192—93)



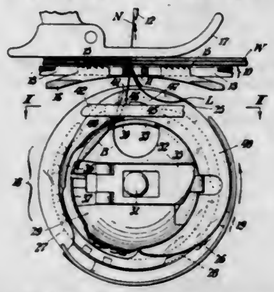
1. A power driven clutch mechanism and shifter adapted for driving a sheep shearing machine and the like, comprising a frame adapted for attachment selectively in a vertical position or in a horizontal position to a support, a drive shaft journalled on the frame and having means adapted for transmitting drive to said shearing machine and the like, a driving clutch on the shaft, and a clutch shifter operable to cause the clutch to be engaged and disengaged comprising a shaft mounted on the frame with capacity for axial clutch shifting movement, a shifter cam adjustable on the frame to any of a plurality of positions angularly about the shifter shaft at least at 90° intervals circumferentially about said shifter shaft according to the mounting of the frame on its support, and a shifter lever rotatable on the shifter shaft and having a cam coacting with said shifter cam to effect engaging and disengaging of the clutch by camming against the shifter cam, the shifter lever being rotatable on said shaft through an arc of a given number of degrees to effect engaging and disengaging of the clutch, the shifter cam being adjustable to any of said different positions circumferentially about the shifter shaft to locate its cam in operative coaction with the cam on the shifter lever at any of said adjusted positions to thereby locate the shifter lever in position to operate through said given arc in any of said selective mountings of the frame.

2,352,597
APPARATUS FOR MUSICAL INSTRUCTION
Carl Beutel, Detroit, Mich.
Application November 6, 1941, Serial No. 418,021
2 Claims. (Cl. 84—480)



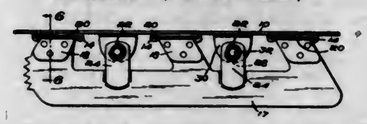
1. A music teaching device comprising a backing member having a representation of a substantially complete piano keyboard divided into marked component sections a pair of forwardly extending generally horizontal and parallel slideways extending forwardly from the backing member above said marked keyboard representation, a lesson element removably mounted in the slideways across the keyboard representation and provided with successively arranged note symbols, and with the proper designation of each note symbol inscribed to the right of each such symbol, and between such symbol and the next succeeding symbol, and an opaque masking slide slidably mounted in said slideways forwardly of the lesson element to conceal a desired portion of the latter, the masking slide being movable to the right to progressively reveal to view first each of the note symbols and later the designations thereof.

2,352,598
ROTARY HOOK FOR SEWING MACHINES
Emil J. Billington, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application September 12, 1940, Serial No. 356,451
4 Claims. (Cl. 112—228)



1. Rotary hook mechanism to cooperate with the reciprocating thread carrying needle and feed mechanism of a lock stitch sewing machine, comprising a rotary needle thread manipulating component; a frictionally engaged non-rotating bobbin thread component from a point at the periphery of which the bobbin thread is drawn in a direction opposite to the direction of rotation of the thread manipulating component; and rotation restraining means for the non-rotating component including a projection thereon, and a fixed element with a recess into which the projection loosely fits, said projection being maintained against that side of the recess which is forward in the direction of hook rotation by the frictional influence of the rotating component upon the non-rotating component and the pull on the bobbin thread, for maintenance of a substantially constant interval between said projection and the other side of the recess for free passage of the needle thread as the stitch is being set at the completion of each stitch forming cycle.

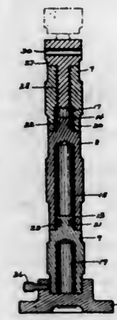
2,352,599
ICE SKATE
Samuel Bloom, Dorchester, Mass.
Application September 24, 1943, Serial No. 503,682
3 Claims. (Cl. 280—11.12)



1. An ice skate comprising a flat sheet metal base adapted to support a shoe on the top face

thereof, a plurality of sheet metal guides rigidly secured to the bottom face of the base in spaced relation therealong and extending transversely thereof, a pair of runners each having a plurality of supporting elements rigidly secured thereto and slidably mounted in said guides, and a plurality of screws each having two threads of opposite pitch in threaded engagement with the two runners respectively and a portion intermediate the threads rotatably journaled against axial movement on the base, rotation of the screws being adapted simultaneously to adjust the runners in opposite directions.

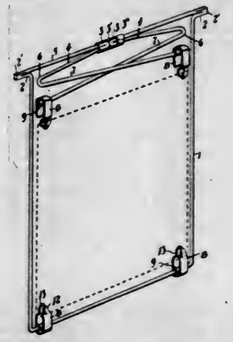
2,352,600
EXTENSION JACK
George E. Brackett, San Mateo, Calif.
Application November 12, 1941, Serial No. 418,733
1 Claim. (Cl. 254—98)



An extension member of the character described comprising an adjustable standard, a lifting head threadedly supported therein, said standard consisting of a plurality of extension members detachably connected together and interchangeable one with the other and capable of providing variable heights, the adjacent end portions of said interchangeable extension members having a cooperating male and female joint, an annular groove in the male portion of each joint, an aperture through the female portion of each joint and positioned to coincide with said annular groove on the male portion, and a pin extending through the aperture and groove to fasten each joint together.

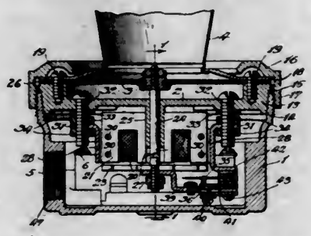
2,352,601
FRAME FOR PROCESSING PHOTOGRAPHIC NEGATIVES
Arnold C. Burke, Toronto, Ontario, Canada
Application December 22, 1942, Serial No. 469,852
In Canada October 28, 1942
3 Claims. (Cl. 95—100)

1. A processing holder for photographic negatives, comprising a frame formed of a single length of spring material bent into substantially rectangular form, both ends of the wire being shaped to form return bends which meet centrally of the top end of the rectangle the free ends extending laterally toward the side members of the frame and in angular relation to the top end, means rigidly securing the meeting portions of the return bends of the frame top, means arranged at the extremities of said spring arms for engaging and holding one end of the negative and applying longitudinal tension thereto,



and means mounted on the bottom end of said frame for holding the opposite end of said negative.

2,352,602
ELECTRIC HORN
Eric H. Church, Des Plaines, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois
Application May 12, 1941, Serial No. 392,999
6 Claims. (Cl. 177—7)

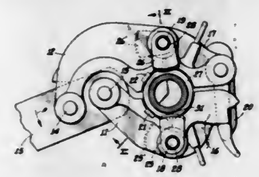


2. An electric horn comprising a dished housing, a cover for said dished housing forming therewith an enclosure, a diaphragm, electrical apparatus mounted on said cover inside said enclosure for actuating said diaphragm, said diaphragm being mounted on said cover outside said enclosure, said cover having a sleeve portion having a long, smooth, cylindrical bore, and transmission between said electrical apparatus and diaphragm comprising a plunger having a smooth slip fit in said cylindrical bore.

2,352,603
TONG GUARD
Edwin F. Codner, Ventura, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application August 11, 1941, Serial No. 406,307
4 Claims. (Cl. 81—66)

1. A pipe tong for use on sectional pipe joints of greater external diameter than the pipe sections joined thereby, comprising a lever, jaws mounted thereon, a pipe-gripping die in one of said jaws, and a guard member mounted on said tong in a plane above said die and having a portion thereof projecting radially inwardly beyond said die, the projecting portion of said guard member being adapted to normally overlie the

pipe joint to permit gripping engagement of said die with the upper pipe joint section, said guard member being so located with respect to said die as to cause said guard member to engage the peripheral surface of the upper pipe joint section and thus prevent gripping engagement of



said die with the lower pipe joint section when the tong is in an abnormal lower position, said guard member being adjustably mounted on said tong for adjustment into an inoperative position disposed radially outwardly of the gripping portion of said die.

2,352,604
METHOD OF PREPARING ZEIN SOLUTIONS DIRECTLY FROM GLUTEN
Roy E. Coleman, Chicago, Ill., assignor to Time Incorporated, a corporation of New York
No Drawing. Application November 30, 1942, Serial No. 467,402
15 Claims. (Cl. 106—153)

1. The method of preparing directly from gluten a solution of zein-containing proteins in a solvent or mixture of solvents comprising as an essential solvent constituent for the zein-containing proteins, a solvent having a boiling point above about 125° C. and having a proportion of polar to non-polar radicals which lies within a range extending between the limits of the proportion of polar to non-polar radicals of methanol and the proportion of polar to non-polar radicals of ethanol, which comprises contacting gluten with a solvent mixture at an elevated temperature in the order of about 120° F. to about 170° F. to extract zein-containing proteins from the gluten, said solvent mixture comprising the aforesaid zein-containing protein solvent having a boiling point above about 125° C. and a miscible diluent therefor having a boiling point below about 125° C., separating the extract from the residual gluten and removing at least part of the diluent from the extract to form the aforesaid solution.

2,352,605
MUSIC LEAF TURNER
Roberto Domínguez Agurcia, Comayaguela, D. C., Honduras
Application December 27, 1941, Serial No. 424,641
6 Claims. (Cl. 84—487)

1. In a motor operated music leaf turner, a tripod-type base including elongated base members radiating from a common center and one comprising a forwardly extending motor control box, a depressible foot pedal surmounting said box, a column arising from said base in said common center, means at the top of said column for supporting leaves of music to be turned, a casing in the rear of said means, a reversible motor in said casing, leaf turning means on top of said casing operative in opposite directions under forward and reverse operation of said motor to turn said leaves in opposite directions, and a pair of motor energizing and

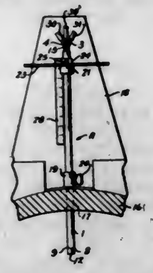


reversing switches, respectively, disposed in said box and operative selectively under depression of said pedal.

2,352,606
CONDENSATION PRODUCTS
Kurt Alder and Erwin Windemuth, Cologne, Germany; vested in the Alien Property Custodian
No Drawing. Application July 29, 1939, Serial No. 287,408. In Germany August 1, 1938
4 Claims. (Cl. 260—617)

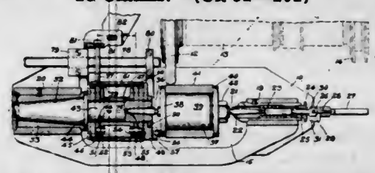
1. The process of forming cyclic compounds which comprises heating an alpha, gamma diene with a compound containing a carbon to carbon double bond and a hydroxyl group, the said hydroxyl group being separated from the carbon to carbon double bond by one carbon atom, said compound being selected from the group consisting of allyl alcohol, crotyl alcohol and butene-2-diol-1.4, the reaction being performed under such conditions as to prevent any substantial polymerization.

2,352,607
FLUID FLOW INDICATING AND MEASURING MEANS
Morton Alperin, Dayton, Ohio
Application August 21, 1942, Serial No. 455,587
20 Claims. (Cl. 73—212)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



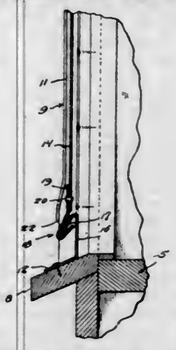
1. Fluid flow indicating and measuring means of the class described, comprising a receiver body having an arcuate periphery and two openings therein located at circumferentially spaced points on said arcuate periphery, said receiver body having two passages therein each communicating respectively with one of said two openings, said body having a third opening located at a third point on the arcuate periphery of said body equally spaced circumferentially from said aforementioned two points, said body having a third passage communicating with said third opening, said passages leading from the respective openings through said body and communicating with the exterior thereof at points remote from said openings, the said first two openings being arranged on the periphery of the body in such a manner that when the pressures are equal at both of said first two points the influence of dynamic pressure of a fluid stream within which said body is positioned will be negligible at either of said first two points and the third opening will be aligned with the axis of, and facing in a direction opposite to the direction of flow of, said fluid stream.

2,352,608
BLANK SHAPING FIXTURE
Charles E. Archer, Birmingham, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application October 15, 1942, Serial No. 462,128
16 Claims. (Cl. 51—101)



1. A blank shaping fixture for mounting on a machine having a material removing tool comprising a carrier, the tool and carrier being arranged for relative traverse and movements toward and from each other, means on the carrier for rotatably supporting a blank for shaping in contact with the tool, and a rotary former cam for controlling said to and fro movement during said relative traverse comprising a pair of spaced cam rings having peripheral shapes similar to the final shaping of the respective ends of the blank and a sleeve freely encircling and bridged between the rings.

2,352,609
BLACK-OUT DEVICE
Sam J. Bates, East Point, Ga.
Application February 20, 1942, Serial No. 431,751
1 Claim. (Cl. 160—267)



In a securing device for a shade, a vertical channel member secured to a frame for guiding and slidably securing a shade to the frame and having one wall notched and its wall opposite thereto offset outwardly and terminating short of the lower end of said member, a sill plate extending into the notched wall of said member and having a portion bent to extend outwardly and downwardly from the frame to provide a keeper, and a strip secured to the traveling end of the shade and having a hook shaped portion of a length less than the length of said strip to provide an extension slidably received by the channel member and movable from and toward the frame by moving into and out of the offset wall of said member to facilitate engagement and disengagement of the hook shaped portion of the strip to and from the keeper.

2,352,610
EYECUP
Saturnino Tofé Bonilla, New York, N. Y.
Application August 4, 1941, Serial No. 405,394
2 Claims. (Cl. 128—249)



1. An eye-cup comprising a cup body having a port opening upon the cup body, a stopper seated within said port for closing the port, said stopper having a valve therein operable to admit air to said cup, said stopper being removable through the upper open end of the cup body, and an open-ended collapsible bulb having one end secured to the port of the cup body, and the other end having a removable air intake valve.

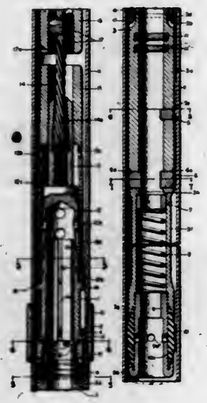
2,352,611
METHOD OF PREPARING MEAT PRODUCTS
William W. Bowers, Chicago, Ill., assignor to Wilson & Co. Inc., Chicago, Ill., a corporation of Delaware
No Drawing. Application September 12, 1941, Serial No. 410,651
3 Claims. (Cl. 99—169)

1. The method of dipping meat which comprises preparing a dipping bath containing a predetermined concentration of gelatin solids having a viscosity at 6⅔% concentration of gelatin solids of at least 37, maintaining the bath at an elevated temperature, successively dipping meat products therein, the gelatin solution becoming progressively degraded under the influence of heat into gelatin degradation products with the passage of time, and always maintaining the bath at a viscosity above 37 when measured at a dilution of 6⅔% solids including the resulting gelatin degradation solids, the bath not being permitted at any time to fall below a viscosity of 37 by additions of gelatin solution of substantially the predetermined concentration and at a viscosity substantially above 37.

2,352,612
BOTTOM HOLE REGULATOR AND CHOKE IN COMBINATION
Alexander Boynton, San Antonio, Tex.
Application September 17, 1941, Serial No. 411,254
9 Claims. (Cl. 166—2)

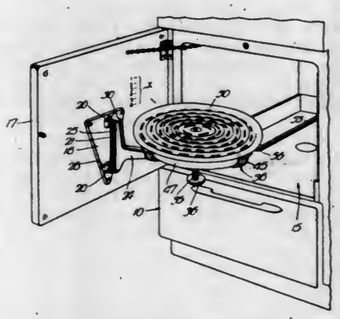
1. An anchoring tubular shell adapted to be received in tubular members such as well casings,

well liners, and well tubings, said shell having rockable fingers with dogs thereon adapted to releasably engage between the adjacent ends of the tubing in a joint of said tubular members for



anchoring the shell therein, said fingers being mounted on one end of and outside the shell and extending in part beyond the end of the shell and in part lying alongside of the shell.

2,352,613
OVEN BROILER
William T. Bradbury, Millersport, Ohio, assignor to Newark Stove Company, Newark, Ohio, a corporation of Ohio
Application March 28, 1941, Serial No. 385,585
10 Claims. (Cl. 126—338)



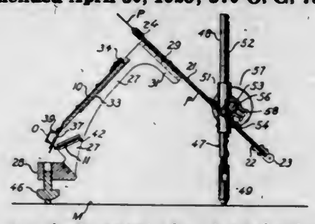
1. In combination, an oven having a heat source in cooperative relation therewith and having a door hinged at one side thereof, food supporting means mounted on the inside of said door for pivotal movement about a vertical axis, means resiliently urging said food supporting means toward the hinged side of said door, means for limiting the movement of said food supporting means in response to said resilient means when the door is open, whereby the food will be readily accessible at such time, and means disposed within the oven for limiting movement of said food supporting means toward said hinged side and guiding it to a position in cooperative relation with said heat source when the door is closed.

2,352,614
SAFETY SLEEVE
Fred O. C. Brown, Grand Rapids, Mich.
Application September 17, 1942, Serial No. 458,713
2 Claims. (Cl. 2—269)



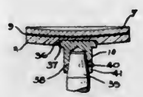
1. In a garment having a sleeve with the usual slit therein extending upwardly from the bottom edge thereof, there being the usual buttonhole on one side of the slit and a button or the like on the other side, the combination of a plurality of buttonholes formed in the sleeve, said buttonholes being longitudinally alined one above the other in substantially equal spacing, the sleeve being foldable upon itself along circumferential lines substantially midway of adjacent buttonholes, and when so folded having the buttonholes in superimposed alignment, and fastening means passing thru said superimposed buttonholes for securing said sleeve in folded condition.

2,352,615
TRANSFER METHOD AND INSTRUMENT
James L. Buckmaster, Arlington, Va.
Application April 22, 1943, Serial No. 484,089
14 Claims. (Cl. 88—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



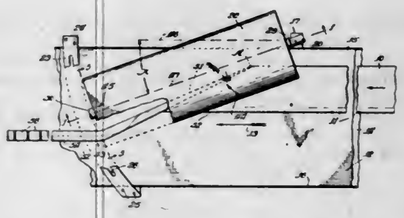
1. In an instrument for transferring detail from an oblique aerial photograph to a map base with the transferred detail in upright position and transformed to correct for photograph tilt, the combination comprising a forwardly inclined object board, a frame pivotally connected to said board for clamping thereto the oblique photograph, means for retaining said board and said frame in photograph clamping relation, frame members secured to the opposite sides of said photograph frame adjacent the top ends thereof and extending forwardly and downwardly along converging lines, a block secured to the forward ends of said frame members, a trapezoidal, plain mirror extending between and supported by said frame members, a trapezoidal, semi-transparent mirror extending between and supported by said frame members, said plain mirror reflecting an image of said photograph onto said semi-transparent mirror, observation means supported by said frame members and providing a peep-hole for viewing said semi-transparent mirror, a front leg having threaded engagement with said block and underlying said observation element, and a set of two adjustable rear legs, said rear legs being positioned at opposite sides of said object board and secured thereto.

2,352,616
LENS HOLDER
William P. Canning, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 16, 1942, Serial No. 431,133
6 Claims. (Cl. 51—216)



6. In a device of the character described a block of non-metallic material having an attachment surface thereon to receive an article to be attached thereto, said block being relatively thin adjacent the periphery thereof and having connecting means on the side thereof opposite the attachment surface, a holder having an end portion with connecting means adapted to be detachably connected with the connecting means on said block, said holder having an attachment portion adapted to fit attachment means on a plurality of different machines for performing different operations on said article whereby said article and said non-metallic block may be connected with each other and retained in said relation throughout said various operations with said block being adapted to be subjected to substantially the same treatment as the article during said operations.

2,352,617
METHOD OF TREATING DOUGH
Morris Cohen, Kansas City, Mo., and Duard W. Enoch, George Hasty, and Gerald A. Jorgenson, Chicago, Ill., assignors to Interstate Bakeries Corporation, Kansas City, Mo., a corporation of Delaware
Application February 6, 1942, Serial No. 429,764
3 Claims. (Cl. 107—54)



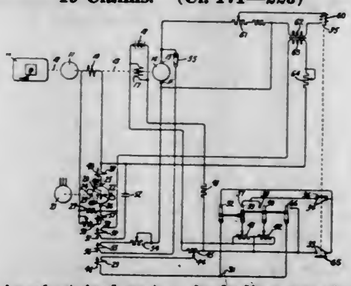
1. The method of treating dough for baking which comprises the steps of moving an elongated strip of dough on a conveyor, causing the dough while moving on the conveyor to be engaged intermedially of its length by but not to pass completely under a rotating roller placed obliquely to the direction of movement of the dough, the periphery of the roller where engaged by the dough moving in a direction opposed to the direction of movement of the dough, whereby the strip of dough is coiled longitudinally, and adjusting the angle of the roller with respect to the dough strip so that the free edge of the dough is disposed at the bottom of the coil and between the coiled dough and the conveyor whereby to seal the free edge as it emerges from engagement with the roller.

2,352,618
PLUG-IN SOCKET DEVICE
William A. Daenz, Philadelphia, Pa., assignor to Hugh H. Eby, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 4, 1940, Serial No. 333,305
2 Claims. (Cl. 173—328)



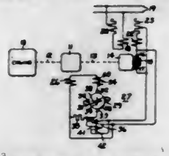
1. A socket comprising a molded insulating base, having a plurality of prong receiving channels extending inwardly from one face in an annular series, and a plurality of contact receiving channels extending inwardly from the other face in an annular series concentric with the first mentioned series, each having a larger diameter than the respective first mentioned channel, the appropriate respective juxtaposed channels being substantially aligned axially to registering communication therebetween, in combination with a metal electrical contact in each of the second mentioned channels, each contact having a female aperture to receive a prong, a body and a spring member formed on said body, said base having a stop shoulder at the communication of each pair of aligned channels to prevent axial movement of the contact in one direction, an annular groove connecting said series of aligned channels, a lateral recess formed in said base adjacent each pair of aligned channels within said groove and an anchoring ledge within said recess for engagement by said spring member to prevent axial movement of the contact in the other direction.

2,352,619
ELECTRICAL SYSTEM
Donald E. Garr, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 17, 1942, Serial No. 462,392
19 Claims. (Cl. 171—223)



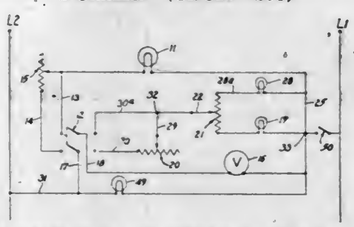
1. An electrical system including a main dynamo-electric machine having a field exciting winding, an exciter arranged to energize said main dynamo-electric machine field exciting winding, means including a main field exciting winding for providing a component of excitation to said exciter, and means including a second field exciting winding arranged to provide a component of excitation to said exciter along the same axis as said exciter main field exciting winding for substantially maintaining a different predetermined energization of said dynamo-electric machine field exciting winding for correspondingly different predetermined energizations of said exciter main field exciting winding.

2,352,620
ELECTRICAL SYSTEM
Martin A. Edwards, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application October 17, 1942, Serial No. 462,393
18 Claims. (Cl. 171—223)



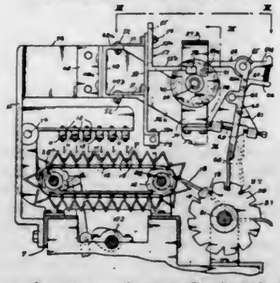
1. An electrical system including a main dynamo-electric machine having a field exciting winding, an exciter arranged to energize said main dynamo-electric machine field exciting winding, means including a field exciting winding for providing a component of excitation to said exciter, means for providing to said exciter field exciting winding an energizing voltage responsive to the speed of said main dynamo-electric machine, means including a second field exciting winding for providing a component of excitation to said exciter along the same axis as said exciter first-mentioned field exciting winding, and means for energizing said second field exciting winding only when the energizing current supplied by said exciter to said dynamo-electric machine field exciting winding varies from a predetermined value relative to said first-mentioned exciter field exciting winding energizing voltage.

2,352,621
VOLTAGE CONTROL MEANS
William O. Frohring, Cleveland Heights, Ohio
Application October 6, 1941, Serial No. 413,765
2 Claims. (Cl. 315—296)



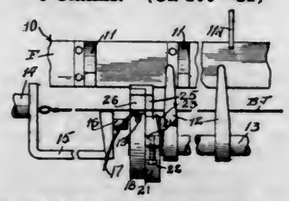
1. Apparatus of the character set forth, comprising an electrical power supply source subject to line voltage fluctuations, a circuit connected to said source, a test lamp in said circuit energized from said source, an adjustable voltage regulating rheostat in said circuit serially connected to said test lamp whereby at any existing line voltage a preselected definite calibration voltage may be applied to the test lamp, a movable contact adjustable resistance also in said circuit with the resistance thereof at one end operatively connected to said test lamp for varying its light intensity by resistance adjustment, and a compensating balancing unit having resistance characteristics substantially identical with those of the test lamp connected in parallel with said lamp and to the other end of the adjustable resistance, so that the lamp and unit are each in series with its particular portion of the adjustable resistance and adjustment in one direction of the contact of the adjustable resistance simultaneously increases current flow through the balancing unit and equally decreases current flow through the lamp.

2,352,622
COUNTER ASSEMBLY FOR WIRE PRODUCTS MACHINES
George K. Gaumer, Sterling, Ill., assignor to Northwestern Steel & Wire Company, Sterling, Ill., a corporation of Illinois
Application August 30, 1940, Serial No. 354,784
5 Claims. (Cl. 235—98)



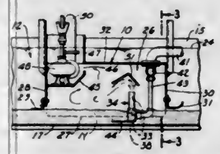
2. A counter for a wire products fabricating machine comprising a toothed ratchet wheel, a pawl device arranged to be tripped by each wire product passing through the machine for advancing the ratchet wheel a distance equivalent to one tooth thereof, a pin projecting from a side face of the ratchet wheel, a toothed wheel adjustably mounted on said machine and having a predetermined number of teeth thereon in the path of said pin on the ratchet wheel, a pin on the toothed wheel, shiftable means adjustably mounted on the machine to be actuated by said pin on the toothed wheel, and the adjustment of said toothed wheel and said shiftable means being effective for direct actuation of the shiftable means by said pin on the ratchet wheel whereby the shiftable means can be selectively operated by a number of wire products equivalent to the number of teeth on the ratchet or by a number of wire products equivalent to the number of teeth on the ratchet multiplied by the number of teeth on the toothed wheel.

2,352,623
BUNDLER AND DISCHARGE ASSEMBLY FOR WIRE PRODUCTS MACHINES
George K. Gaumer, Sterling, Ill., assignor to Northwestern Steel and Wire Company, Sterling, Ill., a corporation of Illinois
Original application August 30, 1940, Serial No. 354,784. Divided and this application June 9, 1943, Serial No. 490,183
3 Claims. (Cl. 100—31)



1. In a wire products fabricating machine, a wire products collecting and dumping mechanism, a cutter movable with said mechanism, a member floatingly mounted adjacent said cutter and having a head portion overlapping the cutter adapted to wedge a strand of material between said cutter and said head portion to wrap the strand around the cutter upon movement of said collecting and dumping mechanism, a stop member for arresting movement of the floating member with the cutter after a predetermined amount of movement therewith to effect severing of the wedged strand, and means for reversely rotating said floating member relative to the cutter to carry the head freely over a predetermined length of unsevered strand material for subsequent wedging against a new portion of the strand.

2,352,624
FILTER BED CLEANING
John B. Goldsborough, Croton on Hudson, N. Y., assignor to Underpinning & Foundation Company, Inc., New York, N. Y., a corporation of New York
Application February 17, 1940, Serial No. 319,405
3 Claims. (Cl. 210—128)



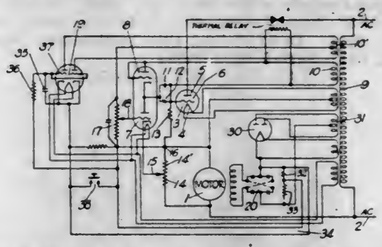
1. In a cleaner adapted to travel over a granular filter bed, the combination with a caisson having an open bottom substantially in engagement with the upper surface of said bed and means for discharging dirty liquid from the caisson, of a plurality of hollow teeth extending from the interior of the caisson downwardly to the lower part of said filter bed, each of said teeth having a substantially straight passage therethrough with an inlet at the lower end and an outlet at the upper end of said passage, and deflecting means to direct granular material flowing from the upper ends of said passages downwardly to settle on said filter bed, said deflecting means comprising an inverted trough extending substantially from side to side of the caisson.

2,352,625
METHOD OF REFINING LEAD
Paul Gottlieb Julius Gueterbock, Abbots Leigh, near Bristol, and Arthur Edward Baxter, Bristol, England, assignors to Capper Pass & Son Limited, Bristol, England
No Drawing. Application February 26, 1941, Serial No. 380,740. In Great Britain March 28, 1940
4 Claims. (Cl. 204—116)

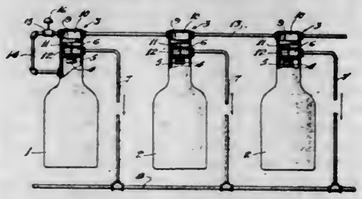
1. In the refining of lead which has been previously purified by the substantial elimination of copper, tin, antimony and arsenic, the process which comprises forming anodes of said lead and passing an electric current from said anodes to cathodes through an electrolytic bath comprising essentially an aqueous alkaline solution of a divalent lead compound and a polyhydric alcohol, selected from a class consisting of glycerine and ethylene glycol, sufficient in quantity to increase the solubility of the lead compound in the electrolytic bath.

2,352,626
MOTOR SPEED REGULATOR
William Christian Grabau, Brighton, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application March 2, 1942, Serial No. 432,982
15 Claims. (Cl. 172—239)

2. A system for operating a motor over a desired adjustable speed range by means of an alternating current source which comprises a gaseous rectifier tube and circuit, said tube having a grid-control element and means controlling the voltage impressed upon said grid-control element including a thermionic vacuum tube source providing a rapid decrease in grid bias potential on the grid of said rectifier tube from a potential of large magnitude to a potential of a magnitude comparable with the critical grid voltage for discharging said rectifier tube, said vacuum tube in said source having anode, cathode and grid control electrode with means for impressing in the cathode-anode circuit a rapidly decreasing potential during the positive half of the alternating current wave impressed upon said rectifier tube and potential means applied to the grid of said vacuum tube and responsive to the combination of the back E. M. F. generated by said motor and to an oppositely applied potential source for controlling the cutoff and flow of current in said thermionic vacuum tube whereby the bias on the grid of the rectifier tube is controlled during the positive half alternating current cycle wherein said rapid decrease occurs for firing said gaseous rectifier tube at the desired point of said alternating current cycle.



2,352,627
FLUID DISPENSING SYSTEM
Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application August 27, 1941, Serial No. 408,409
9 Claims. (Cl. 222—3)



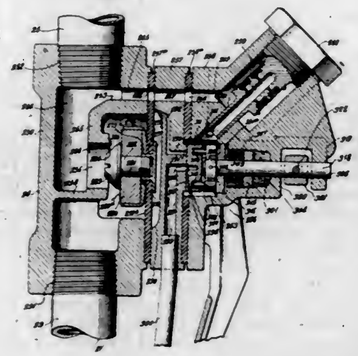
1. In combination: a primary receptacle containing a fluid under pressure, a secondary receptacle containing a fluid under pressure, delivery means into which the fluid from said primary and said secondary receptacle is delivered when it is released, primary fluid retaining means for retaining the fluid in said primary receptacle, primary fluid actuated operating means for said primary retaining means to release the fluid retained thereby, a direct fluid flow connection between said primary operating means and said primary receptacle, primary pilot valve means for said fluid flow connection, actuating means for said primary pilot valve means, fluid actuated fluid release control means including retaining means for said secondary receptacle, and means forming a fluid

flow connection between said fluid release control means for said secondary receptacle and said primary operating means, whereby said fluid release control means for said secondary receptacle is adapted to be actuated upon an initial actuation of said primary pilot valve means.

2,352,628
VALVE

Donald G. Griswold, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.

Original application May 17, 1939, Serial No. 274,288, now Patent No. 2,243,815, dated May 27, 1941. Divided and this application March 11, 1941, Serial No. 382,801
2 Claims. (Cl. 137—139)

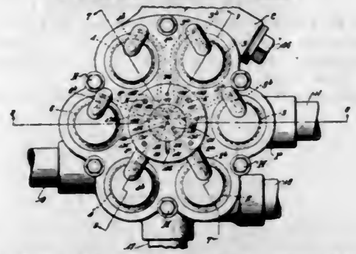


1. A valve comprising, a body having inlet and outlet openings; a passageway in said body between said openings; an annular seat surrounding said passageway, said seat being beveled outwardly from the inner edge of said passageway on an angle of about 5°; a pressure operated diaphragm for controlling the flow of fluid between said openings; a substantially flat valve disc carried by said diaphragm and adapted to engage the inner edge of said beveled seat; and means securing said valve disc to said diaphragm including a bolt member and a nut, said bolt member having a head and a threaded stem extending through said valve disc, said nut including an imperforate circular head portion and a tubular shank of relatively smaller diameter extending from one side of said circular head portion through said diaphragm and being threadedly secured to said bolt stem and enclosing the end of said bolt stem with the portion of the underside of said circular head outwardly of said tubular shank engaging one side of said diaphragm, said bolt head having an annular portion beveled on an angle of about 45° and adapted to enter said passageway, a substantially cylindrical portion of only slightly less diameter than the diameter of said passageway, and a curved portion interconnecting said annular beveled portion and said substantially cylindrical portion, the beveled portion of said valve seat cooperating with said valve disc to provide a leakproof seal, and the beveled and curved portions on the head of said bolt member cooperating with the adjacent wall of said passageway to gradually cut off flow through said passageway to thereby eliminate noise and chattering of the valve disc during flow cut-off.

2,352,629
FLUID DISTRIBUTION AND CONTROL APPARATUS

Donald G. Griswold, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.

Original application May 17, 1939, Serial No. 274,288, now Patent No. 2,243,815, dated May 27, 1941. Divided and this application March 11, 1941, Serial No. 382,802
16 Claims. (Cl. 137—144)



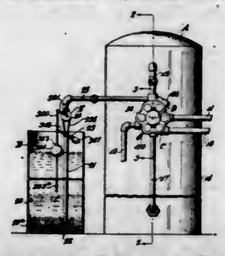
1. A fluid distribution device comprising, a body; a cover plate, a plurality of diaphragm valves in said body; a pressure chamber in said cover plate above each valve, said cover plate having passageways including substantially redial grooves cut in the inner face thereof for admitting pressure fluid to said pressure chambers for operating said diaphragm valves.

5. A fluid distribution device comprising, a body; a cover plate for said body; a diaphragm interposed between said body and cover plate; a valve seat in said body; a valve secured to said diaphragm and arranged to engage said valve seat; a cavity formed in said cover plate and providing a pressure chamber above said diaphragm; and means for admitting operating fluid to said pressure chamber including a substantially radially extending groove formed in the face of said cover plate adjacent said diaphragm and a passage extending from one end of said groove and opening into the deepest part of said cavity.

2,352,630
LIQUID LEVEL CONTROL APPARATUS

Donald G. Griswold, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.

Original application May 17, 1939, Serial No. 274,288, now Patent No. 2,243,815, dated May 27, 1941. Divided and this application March 11, 1941, Serial No. 382,803
19 Claims. (Cl. 137—68)

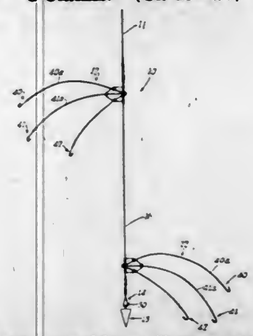


1. Apparatus comprising, a valve body; a diaphragm in said valve body for controlling the flow of fluid therethrough; a pilot valve for controlling the application of pressure to said diaphragm; a shaft for rotating said pilot valve; an actuating arm connected to said shaft; a lever; bracket means secured to said valve body pivotally supporting said lever relative to said valve body for rotation about an axis lying in a substantially common vertical plane with the axis of said shaft; and a rod pivotally secured to said actuating arm and said lever, respectively.

2,352,631
KNEE ACTION FISHING TACKLE

Edward Guarnieri, Trenton, N. J.

Application April 1, 1942, Serial No. 437,182
8 Claims. (Cl. 43—27)

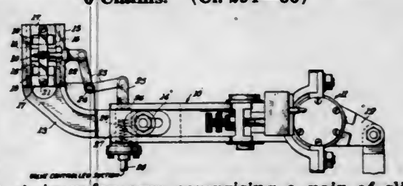


1. In fishing tackle, a line, a pair of spaced abutments fixed to said line, a member mounted on the line and fixed to said abutments, said member being made of a single piece of resilient wire, and having coil portions receiving said line, and contacting said abutments, one of said coil portions having an offset arm provided with a loop at its end, the outer ends of said coil portions being interconnected by a portion having a plurality of loops, and hooks on cords passing through said plurality of loops, said cords being formed with loops receiving the loop of said offset arm.

2,352,632
TRANSFER ARM

Moses D. Heyman, Cedarhurst, N. Y., assignor of one-half to Irene K. Heyman, Cedarhurst, N. Y.

Application September 9, 1942, Serial No. 457,785
6 Claims. (Cl. 294—86)



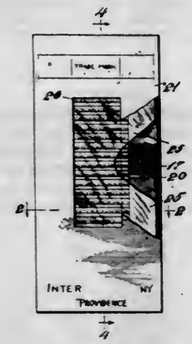
1. A transfer arm comprising a pair of sliding work piece grasping members, vacuum cylinder and piston means connected with said grasping members for drawing them together, and spring means operable upon breaking of the vacuum in the mentioned cylinder means for urging said members apart.

2,352,633
DISPLAY PACKAGE

Carl B. Holm, Englewood, N. J., assignor to International Braid Company, a corporation of Massachusetts

Application August 6, 1941, Serial No. 405,611
2 Claims. (Cl. 206—78)

1. A display package comprising a backing of material having uniform undulations in generally the form of a sine curve with equally spaced parallel recesses, articles in each recess of a diameter at least twice the depth of the recess from one side of the backing material, means for cementing each end portion of the articles in the recesses, a strip of substantially U-shape material adjacent each end of said articles and positioned to embrace the articles and recesses and secured to the backing material and to the end portion of the articles for holding said strip in a predetermined position, said U-shape strip being

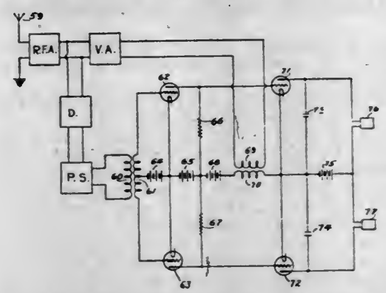


of a dimension to extend over only the end portions of said articles to expose substantial portions thereof, a one piece book-like cover enveloping said assembly and secured to said strip and having a window in the front wall thereof to expose the obverse face of the article mounting, and a transparent sheet of material between the front wall of the cover and the articles and of a size to cover all of said articles and secured at only one of its edges to the said cover and free to move relative thereto and to said articles.

2,352,634
SIGNALING SYSTEM

Maury I. Hull, Memphis, Tenn.

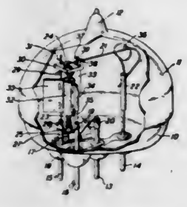
Original application July 18, 1938, Serial No. 219,785. Divided and this application November 17, 1941, Serial No. 419,471
7 Claims. (Cl. 250—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A system for receiving and separately detecting a plurality of signals impressed upon a carrier in alternate order comprising means for intercepting and amplifying said signals, means for deriving from said amplified signals oscillations having a sub-harmonic relation to the carrier, a pair of thermionic tubes having at least a cathode, a control electrode, and an anode,

means for applying to the control electrodes of said tubes a direct current component of potential of such value that substantially no anode current flows therein in the absence of the application of other components of potential to the control electrodes of said tubes, means for applying at least a portion of the received amplified signals to the control electrodes of said thermionic tubes in phase, means for impressing upon the control electrodes of said tubes additional components of potential of said sub-harmonic frequency in phase opposition in the two tubes and signal indicating devices operatively associated with the output circuits of each of said tubes.

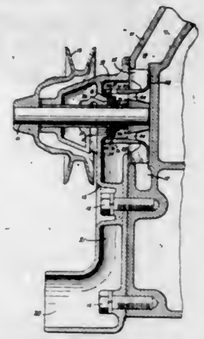
2,352,635
ELECTRON DISCHARGE DEVICE
John C. Irwin, Roosevelt, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,809
10 Claims. (Cl. 250—27.5)



2. An electron discharge device comprising an enclosing vessel containing a plurality of electrodes including a linear filamentary cathode, conductors in said vessel connected to one end of the respective electrodes, a conductor and a tension spring attached thereto connected to the other end of said cathode to support said cathode linearly with respect to said other electrodes, and an insulating support on the opposite end of another of said electrodes, said support having guiding means restricting lateral movement of said spring whereby the linearity of said cathode is maintained constant.

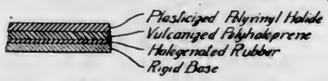
2,352,636
FLUID SEAL AND MEANS FOR COOLING SAME
Elmer F. Jackman, Lakewood, Ohio, assignor to George V. Woodling and Elmer F. Jackman, as cotrustees
Application February 25, 1941, Serial No. 380,484
8 Claims. (Cl. 103—111)

1. In a fluid pump comprising an impeller housing having an inlet and an outlet, a shaft rotatively mounted in the housing, an impeller mounted on the shaft in the impeller housing, and a fluid seal adapted to create a seal between the shaft and the housing, the improvement of a fluid by-passing arrangement for cooling the fluid seal comprising, a hollow hub for the impeller and constituting a chamber substantially enclosing the fluid seal, a first communicating fluid bypass from the increased fluid pressure area in the region of the outlet to the hub to deliver a portion of the fluid being pumped to the inside of the hollow hub, a second communicating fluid bypass from the inside of the hollow hub to the outside thereof to expel the fluid from within the hollow hub to the decreased fluid pressure area in the region of the inlet to maintain a circulation of the fluid through the hub from the increased fluid pressure area in the region of the outlet to the decreased fluid pressure area in the region of the inlet, said second communicating fluid by-pass from the inside of the hollow hub to the outside thereof being restricted for substantially excluding the reduced fluid



pressure area in the region of the inlet from extending into the hollow hub and for permitting the increased fluid pressure area in the region of the outlet to extend into the hollow hub and establish a fluid pressure therein which forces the said fluid therein in contact with the fluid seal to cool same.

2,352,637
COMPOSITE ARTICLE
Arthur E. Juve, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 7, 1939, Serial No. 298,471
4 Claims. (Cl. 154—2)



1. A composite structure comprising successive layers of a rigid base, halogenated rubber, a vulcanized polymerized haloprene, and a plasticized polyvinyl halide, all of which have been bonded into an integral whole by vulcanizing said polymerized haloprene layer after assembling the composite.

4. The method which comprises interposing a layer of a vulcanizable neoprene composition between plasticized gamma polyvinyl chloride and an adjacent layer of chlorinated rubber contiguous to a metallic base, and subjecting the composite article under pressure to heat sufficient to vulcanize the neoprene.

2,352,638
CONNATE WATER DETERMINATION
Frank C. Kelton, Jr., Dallas, Tex., assignor to Core Laboratories, Inc., Dallas, Tex., a corporation of Delaware
No Drawing. Application October 24, 1940, Serial No. 362,609
2 Claims. (Cl. 73—51)

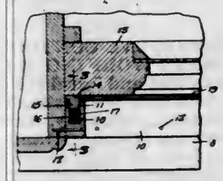
2. The method of determining quantitatively the connate water content of a sand formation containing natural gas under pressure comprising the steps of, cutting core samples from the sand formation while exposed to drilling-mud water under a hydrostatic pressure greater than the pressure of the natural gas in the sand formation, raising the core samples through the well while exposed to the drilling-mud water whereby the hydrostatic pressure upon said samples decreases as the samples rise in the well, determining for each core sample the cubic centimeters of free water content per hundred cubic centimeters of core sample, the cubic centimeters of free gas content per hundred cubic centimeters of core sample, the fraction of core sample occupied by pore space, and determining the connate water content of each core sample in situ by employing the respective determinations of each sample according to the equation

$$C = W(10^{0.1228 - 0.0116V - 2.212P^2})$$

where

C=cubic centimeters of connate water per hundred cubic centimeters of sand;
W=cubic centimeters of free water per hundred cubic centimeters of core sample;
V=cubic centimeters of free gas per hundred cubic centimeters of core sample; and
P=fraction of the core sample occupied by pore space.

2,352,639
WINDOW OR DOOR STOP
Arthur R. Kinish, Detroit, Mich.
Application January 28, 1942, Serial No. 428,599
2 Claims. (Cl. 20—68)



1. In weather stripping for windows, a strip having a longitudinal groove opening through the inner face adapted to be attached to a window frame, a tongue slidably fitted in the groove having an outer part wider than the groove adapted to be pressed against a face of the sash frame, a plurality of longitudinally spaced springs mounted under compression between the inner wall of the groove and the tongue so as to yieldingly urge the tongue against the sash frame, and a filler of resilient material compressed between the inner wall of the groove and the tongue to provide an air tight seal between the grooved strip and the tongue.

2,352,640
PLATE RECTIFIER
Chester A. Kotterman, Livingston, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 3, 1942, Serial No. 464,332
3 Claims. (Cl. 175—366)

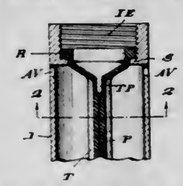


1. In a plate type rectifier, a base plate carrying an active material, a contact plate against which the base plate is held, a protrusion projecting from the base plate to the contact plate and a spot weld at the protrusion.

2,352,641
PREPARATION OF BETA-ALKOXY MONOCARBOXYLIC ACIDS
Frederick E. Küng, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 5, 1941, Serial No. 405,512
4 Claims. (Cl. 260—535)

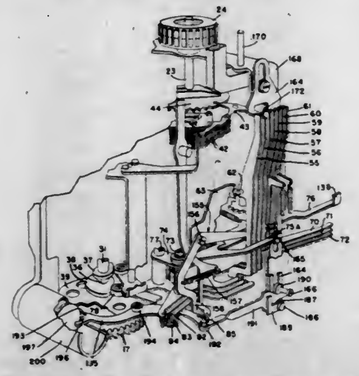
1. The method of preparing a beta-alkoxy monocarboxylic acid which comprises reacting a lactone of a beta-hydroxy monocarboxylic acid, having at least one hydrogen atom on the alpha carbon atom, with a monohydric alcohol.

2,352,642
CHECK VALVE DEVICE
Jesse D. Langdon, Downey, Calif.
Application January 28, 1942, Serial No. 428,600
8 Claims. (Cl. 137—69)



8. Check valve means comprising an elongated tube of flexible material having relatively flat side walls defining a slit-like passageway, a wall of the tube being thickened for substantially its entire length over an area commencing at a point on said wall forwardly of the terminus of the slit and extending as a thick wall about the edge of the tube, said thickened portion being constructed and arranged to maintain the side wall surfaces of the tubes normally in close relationship to each other.

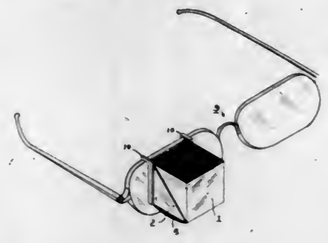
2,352,643
PRINTING TELEGRAPH APPARATUS
Carl A. Levin, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 20, 1941, Serial No. 411,659
9 Claims. (Cl. 197—53)



9. In a printing telegraph apparatus, a type wheel having a supporting frame, means operable in each cycle of the apparatus to move the type wheel supporting frame to carry the type wheel to printing position in each cycle of the appa-

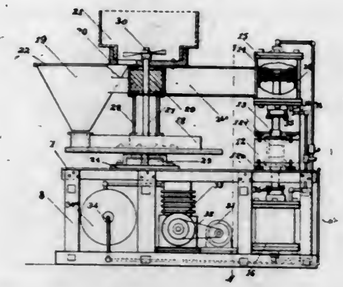
ratus, means for urging the type wheel to nonprinting position, and means for retarding said means urging the type wheel to nonprinting position to thereby normally hold said type wheel in its printing position.

2,352,644
APPARATUS FOR ESTIMATING RANGES
Garrett B. Linderman, Jr., and Donald L. Hibbard, United States Navy
Application July 15, 1942, Serial No. 451,004
13 Claims. (Cl. 88—2.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



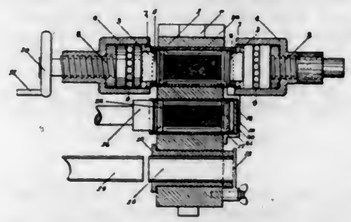
2. A sighting device comprising a light transmitting member having an inclined plane face, a top face bearing a sight pattern and a convex bottom face covered with reflecting material to form a concave reflector, whereby light passing said sight pattern and plane face will be reflected to said plane face and to the eye of a user to form an image of said sight pattern.

2,352,645
CONTAINER MAKING AND FILLING MACHINE
August G. Liebmann, Washington, D. C., assignor of one-half to Harry A. Blessing, Washington, D. C.
Application January 16, 1943, Serial No. 472,640
7 Claims. (Cl. 93—3)



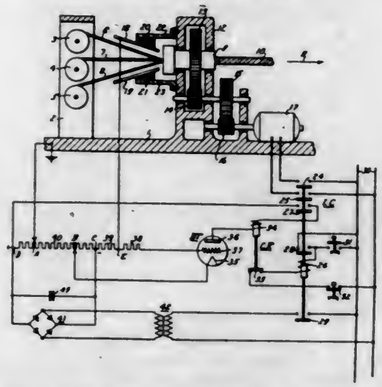
5. A packaging machine, for making insulated cartridge containers, having a movable bipartite headblock, and plungers adapted to register with the bipartite headblock and fluid pressure means adapted to cooperate with the said bipartite headblock and plungers whereby the said registry may be selective or synchronized, with either a maximum or minimum of impact.

2,352,646
METHOD OF MAKING, PACKING, AND SEALING CARTRIDGE CONTAINERS
August G. Liebmann, Washington, D. C., assignor of one-half to Harry A. Blessing, Washington, D. C.
Application June 18, 1943, Serial No. 491,364
7 Claims. (Cl. 93—3)



1. The method of fabricating insulated cartridge containers; forming circumferential flanges on the ends of a tubular member; forming peripheral flanges on closure disk members; stuffing the flanged tubular member; pressing the filled tubular member into another tubular member; inserting the peripherally-flanged closure disks; inserting other closure disks thereover and crimping the ends of the second tubular member over the second closure disks, substantially as described.

2,352,647
FAULT-RESPONSIVE CONTROL SYSTEM FOR STRAND WORKING MACHINES
John Z. Linsenmeyer and Lloyd C. Poole, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1943, Serial No. 492,964
11 Claims. (Cl. 57—81)

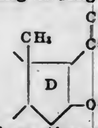


1. In a wire stranding machine, the combination of a conductive machine structure in electric connection with the wires to be stranded, a conductive element insulated from said structure and arranged to be touched by a broken wire, a motor for driving the machine, switch means having separate sets of simultaneously operating contacts, one of said sets being connected with said motor for controlling its operation, a cut-off relay for controlling said switch means, a gaseous discharge tube having an anode circuit connected with said relay through said other set of contacts

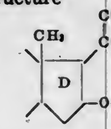
for energizing said relay and a grid circuit containing a source of graduated voltage having different potential points connected with said structure and said element, whereby said grid circuit is provided with firing voltage for rendering said tube conductive when said element is touched by a wire and said anode circuit subsequently opened when said relay causes said switch to open said contact sets.

2,352,648
HORMONE INTERMEDIATES AND PREPARATION OF SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 30, 1941, Serial No. 400,559
11 Claims. (Cl. 260—397.5)

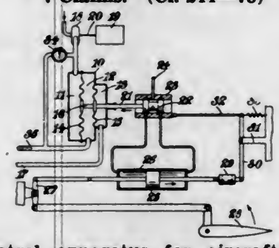
1. Process for preparing hydroxy-pregnane derivatives which comprises subjecting a steroid having in ring D the structure



to the action of a non-hydrolytic reducing agent, thereby producing a steroid having in ring D the structure

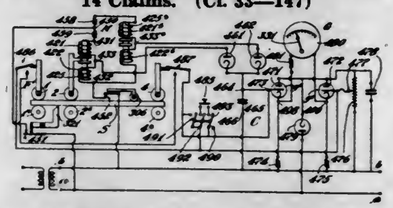


2,352,649
INDICATING OR CONTROL APPARATUS IN AIR OR WATER CRAFT
Frederick William Meredith, London, England, assignor to S. Smith & Sons (Motor Accessories) Limited, London, England, a British company
Application June 13, 1939, Serial No. 278,939
In Great Britain June 18, 1938
7 Claims. (Cl. 244—78)



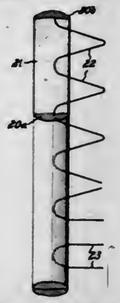
1. Control apparatus for aircraft having a movable control surface for varying the speed of the craft, comprising the combination of a control member, which control member comprises two flexible diaphragms of different size spaced apart and coupled together, a chamber across which both of said diaphragms extend to divide the chamber into three compartments side by side, a rotary member, means for applying to the outer one of said compartments which is adjacent the larger diaphragm, an air pressure dependent upon the speed of rotation of the rotary member, and means for applying to the outer one of said compartments is adjacent the smaller diaphragm an air pressure dependent upon the speed of the craft, the compartment between said diaphragms being open to static pressure, and means operated by said control member to actuate the control surface of the craft.

2,352,650
GRADING MACHINE
Arthur G. B. Metcalf, Milton, Mass., assignor to North American Holding Corporation, Syracuse, N. Y., a corporation of New York
Application June 21, 1941, Serial No. 399,088
14 Claims. (Cl. 33—147)



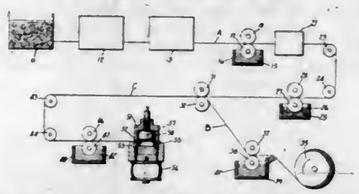
1. A grading machine comprising measuring means for detecting changes of thickness of articles moving relatively thereto in terms of variations of an electrical value, means for progressively storing electric energy proportionate to unidirectional changes of said value, means for grading said articles adapted to be adjusted in accordance with said changes, electrical transmission means including an element susceptible to said stored energy, for adjusting said grading means proportionate to said changes, and means for rendering said transmission means effective dependent upon the location of said article relatively to said detecting means.

2,352,651
MANUFACTURE OF ELECTRODES
Archibald F. Meston, Bound Brook, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application May 3, 1941, Serial No. 391,791
9 Claims. (Cl. 29—155.5)



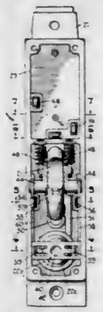
1. Method of producing a discharge electrode which comprises winding a fine wire having a diameter not exceeding about one-hundredth of an inch about a plurality of spaced supporting members to form a grid structure, engaging a portion of said grid structure while so supported between separable opposed interior surfaces of an extended surface member while leaving a portion of said grid structure projecting outward from said extended surface member, and securing said opposed surfaces of the extended surface member in engagement with the grid structure therebetween.

2,352,652
METHOD OF PRODUCING DRAWN MOISTUREPROOF ARTICLES
Wirt Morton, Lake Forest, Ill., and Donald G. Magill, Great Neck, N. Y., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 3, 1939, Serial No. 288,224
1 Claim. (Cl. 113—51)



In a method of drawing composite laminated moisture-proof cup-shaped fibre container parts in a continuous operation from an advancing web of fibre base stock material wherein the layer of the stock comprising the exterior surface of said container part consists of greaseproof colored opaque glassine paper: the step of applying a liquid lubricant composed of a dilute solution of glycol stearate to the exposed outer surface only of said glassine sheet to facilitate the subsequent drawing action, whereby said composite moisture proof drawn container parts are insured against the presence of cracks and unprotected areas in said glassine paper constituting the outer protective portion of the container part.

2,352,653
ELECTRIC SWITCH MEANS
Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application August 27, 1940, Serial No. 354,354
6 Claims. (Cl. 177—311)



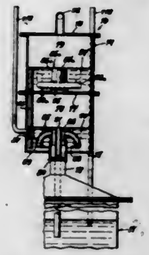
6. An electric switch comprising a body portion, electricity conductor means arranged therein, one of said conductor means extending continuously from end to end of said body portion, another of said conductor means comprising a pair of conductor elements mutually spaced and electrically insulated one from the other, rotatable electric circuit breaking means having one terminal electrically connected to one of said pair of conductor elements, electrically conductive saddle means adapted to rotatably secure said circuit breaker and having means whereby a second terminal of said circuit breaking means may be optionally connected to the second of said pair of conductor elements or to said continuously extending conductor, finger piece means rotatably mounted within said body, link means operatively associating said finger piece means and said circuit breaking means, and cover means operatively associated with said saddle means to maintain the latter in operative position.

2,352,654
ELECTRICITY CONDUCTOR UNIT
Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application October 2, 1941, Serial No. 413,251
13 Claims. (Cl. 173—334.1)



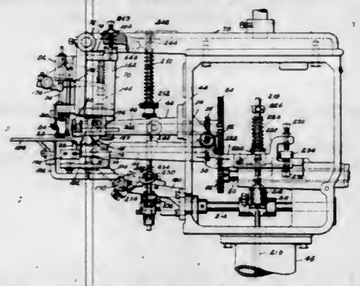
1. An electricity conductor unit comprising, in combination, a substantially hollow body of electrical insulation material having top, side, and base walls, a male extension at one end and a complementary socket portion at the other end to afford male and female interconnection of adjacent units; electricity conductors disposed within said body and extending longitudinally thereof, said conductors, at one end, being disposed on a surface of said male extension and at the other end, disposed adjacent said body socket and elevated above the base wall of said socket and above the plane of the conductors at the male extension; wall means within said body uniformly supporting the conductors in such raised position, and conductor-connecting means adjacent said socket, said connecting means including an electrically conductive member disposed substantially in the plane of and in alignment with the male end conductors, and an electrically conductive member supported above said first member by the conductors at the elevated ends thereof, the spacing between the members of said connecting means being substantially equal to the combined thickness of the electricity conductors at the male end and the socket end of the unit.

2,352,655
BUBBLE TOWER
John Walter Olstad, Buffalo, N. Y., assignor to Niagara Blower Company, New York, N. Y., a corporation of New York
Application July 26, 1940, Serial No. 347,705
1 Claim. (Cl. 261—114)



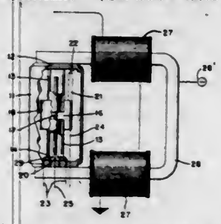
A bubble tower comprising a shell having at least two superposed chambers, an overflow conduit extending from a point above the bottom of the upper of said chambers to a point adjacent the bottom of the lower of said chambers and maintaining a body of liquid in the upper of said chambers, a second overflow conduit extending from a point above the lower end of the first overflow conduit in the lower of said chambers and maintaining a body of liquid in the lower of said chambers, a vapor line leading to the lower of said chambers, a bubble head connected with said vapor line and discharging the vapors under the surface of the body of liquid maintained in the lower of said chambers to bubble up therethrough, a second vapor line leading from the top of the lower of said chambers to the upper of said chambers, a second bubble head connected with said second vapor line and discharging the vapors from the lower of said chambers under the surface of the body of liquid maintained in the upper of said chambers to bubble up therethrough, a vent pipe connected with the lower of said chambers at a point below the level of the body of liquid maintained therein and extending upwardly to a point above the bubble tower, and a vapor outlet from the upper of said chambers.

2,352,656
COATING MACHINE
Harry Phillips, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 5, 1943, Serial No. 489,831
22 Claims. (Cl. 12—80)



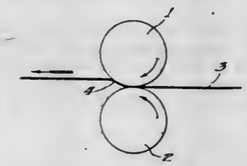
1. In a machine for applying a coating progressively upon a piece of work, an applying device, and mechanism for momentarily providing an excess of coating material at the point of application at the beginning only of an operation upon the piece of work.

2,352,657
ELECTROMAGNETICALLY CONTROLLED THERMIONIC RELAY
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 9, 1941, Serial No. 397,259
21 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an anode, a cathode, an envelope enclosing said anode and cathode, a magnetic structure within said envelope extending intermediate said anode and cathode and provided with a gap defining part of an electron path from said cathode to said anode, a magnetic structure external to said envelope in contact with said first mentioned magnetic structure and defining a magnetic circuit therewith, and an energizing coil linking said magnetic circuit.

2,352,658
METHOD OF COATING PAPER
Howard Brewster Richmond and Gilbert K. Dickerman, Wisconsin Rapids, Wis., assignors to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis., a corporation of Wisconsin
Application September 26, 1941, Serial No. 412,362
12 Claims. (Cl. 117—111)



1. In a method of coating paper, paper board and the like felted fibrous webs wherein the web is passed between juxtaposed rolls rotating in opposite directions at least one of which carries a mobile coating material upon its surface which is deposited upon a surface of the web, the improvement which comprises, driving each of the rolls at a surface speed of opposite sign of about .25 per cent to 10 per cent different from the translatory speed of the web.

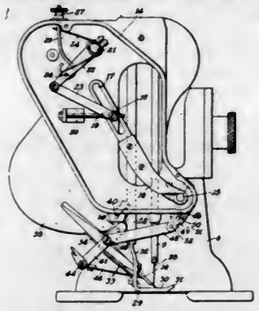
2,352,659
PRINTING INK AND METHOD OF PREPARING THE SAME
Harvey A. Seil, Rutherford, N. J., and Herbert Cole, New York, N. Y., assignors, by direct and mesne assignments, to Wm. Walter Frankel, New York, N. Y., and Jacob Logan Fox, Chicago, Ill., as trustees
No Drawing. Application March 14, 1938, Serial No. 195,848
5 Claims. (Cl. 260—39)

1. As a composition of matter, a printing ink suitable for letter press work, consisting of an admixture of substantially three parts by weight of partially polymerized synthetic urea formaldehyde resin dissolved in a small proportion of non-aqueous solvent and one part by weight of pigment, the resin ingredient serving as the vehicle for the pigment.

2,352,660
RUFFLING ATTACHMENT FOR SEWING MACHINES
Victor J. Sigoda, Great Neck, N. Y., assignor to Man-Sew Corp., New York, N. Y., a corporation of New York
Application November 6, 1941, Serial No. 417,995
8 Claims. (Cl. 112—134)

1. In combination with a sewing machine including a vertically reciprocating needle and a presser foot having a work engaging part provided with an opening; ruffling mechanism comprising means for folding the material to be ruffled, said

means including a movable blade having one of its ends positioned above said part of the presser foot for movement into and out of said opening, and a fixed member carried by the presser foot



and positioned above said opening and with which said end of the blade cooperates in its movement in one direction to fold said material downwardly through the opening of the presser foot and in directly superimposed position upon the work.

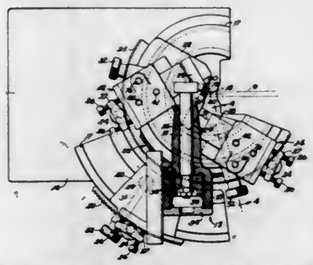
2,352,661

DRESSING MECHANISM FOR GRINDING WHEELS

Ira J. Snader, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan

Original application December 2, 1937, Serial No. 177,693, now Patent No. 2,251,961, dated August 12, 1941. Divided and this application August 3, 1940, Serial No. 350,362

5 Claims. (Cl. 125—11)



1. In a machine tool, in combination, a base, a support slidable on said base, a tool spindle mounted on and extending substantially transversely of said support and adapted to support a grinding wheel having a peripheral cutting contour with oppositely inclined side faces and an intermediate peripheral face, a dresser slide mounted on said support for movement transversely of said spindle and formed with arcuate guide means, a plurality of dressing units mounted for independent adjustment on said guide means and adapted to be positioned respectively to dress said faces, each dressing unit comprising a reciprocatory tool and a hydraulic motor for reciprocating said tool, hydraulic means for reversibly supplying fluid under pressure successively to the motors of said units to reciprocate said tools in timed sequence, hydraulically operated means for feeding said slide toward said spindle, and hydraulically operated means operable in synchronism with said last mentioned means to move said support in timed relation to the movement of said slide.

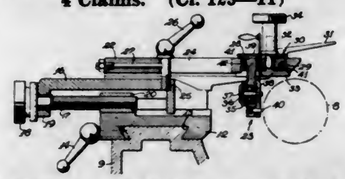
2,352,662

DRESSING MECHANISM FOR GRINDING WHEELS

Ira J. Snader, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan

Original applications December 2, 1937, Serial No. 177,693, and August 3, 1940, Serial No. 350,362. Divided and this application July 28, 1941, Serial No. 404,289

4 Claims. (Cl. 125—11)



1. A dressing mechanism comprising, in combination, a support, a member slidable on said support, a feed slide mounted on said member for movement transversely of said member, means for adjusting said slide, a quick-adjustment slide mounted on said feed slide for movement transversely of said member and formed with a longitudinal slot, a clamp bolt extending through said slot into threaded engagement with said feed slide, a stop pin adjustably threaded into one end of said slot and adapted to coact with said bolt to locate said quick-adjustment slide in operative position, and a dressing device mounted on said quick-adjustment slide.

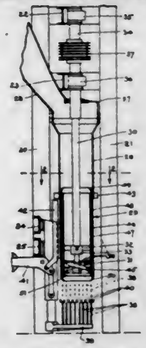
2,352,663

PACKING MACHINE FOR CONTAINERS AND THE LIKE

Alfred Sowden, Arkansas City, Kans.

Application February 7, 1941, Serial No. 377,804

3 Claims. (Cl. 226—23)



3. In a device of the class described, the combination of a stationary filling tube, and a vertically movable filling and packing tube telescopically mounted therewith, a shaft extending axially through said tubes, an auger on said shaft, bearing means to connect the lower end portion of the shaft with the vertically movable tube, in such manner that rotary motion of the shaft and auger within said movable tube, and vertical movements of said parts together are effected, there being a vertically extending passage in the vertically movable tube, said passage having inlet communication with the interior of said movable tube adjacent to the location of the auger, the upper end portion of said vertically movable tube being contracted in cross-sectional area to thereby produce a Venturi effect at that location, and the upper end portion of the passage communicating with the interior of the vertically movable tube at the location of such contraction, whereby the movement of air upwardly through the passage is enhanced by said Venturi effect, substantially as described.

2,352,664

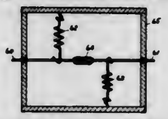
SAFETY SWITCH

Thomas Stevenson and Bernard Volin, Philadelphia, Pa.

Application April 8, 1942, Serial No. 438,062

1 Claim. (Cl. 200—142)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a device of the character described, a support, a body of ambient temperature responsive fusible conducting material, a pair of contact wires embedded in said body, a stressed coil spring secured to said support adjacent to and on each side of said body and having connection with said wires, one spring being connected to one side of the support and the other to the opposite side thereof and exerting their force in opposite directions to accelerate the separation of the contacts during and after the fusing of the fusible body.

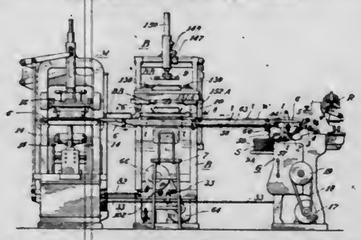
2,352,665

BOX WRAPPING SYSTEM

John S. Stokes, Huntingdon Valley, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 9, 1941, Serial No. 422,197

12 Claims. (Cl. 93—54.2)



7. A semi-automatic system for producing assemblies of unstayed box blanks and wrappers comprising an intermittently operating conveyor delivering coated tabbed wrappers individually at definitely timed intervals to an operator's assembling station, a second conveyor delivering unstayed box blanks individually, one for each wrapper, at definitely timed intervals, corresponding with aforesaid intervals, each to rest at a predetermined position within operator's reach of said assembling station and in predetermined orientation, at said predetermined position of rest, with respect to the orientation of a wrapper on said first-named conveyor at rest at said assembling station for manual transfer of each unstayed box blank from its said predetermined position of rest to said assembling station for manual register with the wrapper at rest thereat, and selectively operable means at the operator's assembling station for simultaneously enabling or disabling said conveyors and for individually enabling or disabling said conveyors.

11. A method of producing assemblies of unstayed box blanks and coated tabbed wrappers comprising delivering the wrappers individually at definitely timed intervals to an operator's assembling station, delivering unstayed box blanks individually, one for each wrapper, to rest at a predetermined position, within operator's reach of said assembling station, and in predetermined orientation at said predetermined position of rest with respect to a wrapper at rest at said assembling station, and manually transferring each unstayed box blank from its said predetermined position of rest to and registering it with the wrapper at rest at said assembling station.

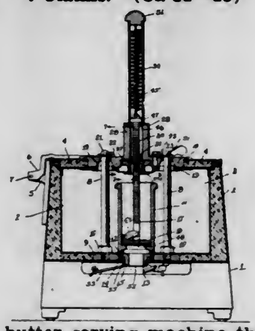
2,352,666

BUTTER SERVING MACHINE

Sherman A. Thomas, Rochester, N. Y.

Application November 25, 1940, Serial No. 366,942

7 Claims. (Cl. 31—13)



1. In a butter serving machine the combination of a housing, a cover removably mounted on said housing, a butter feeding tube within said housing, a piston rod movable thru said cover, a piston carried by said piston rod for movement thereby in said feeding tube, intermittent feeding means carried by said cover and engaging said piston rod, means for locking and unlocking said cover on said housing, and means operated by said locking and unlocking means for causing the engagement or disengagement of said intermittent feeding means with said piston rod.

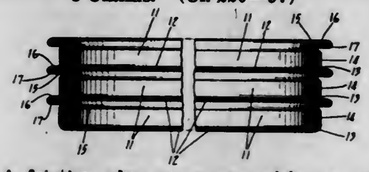
2,352,667

CAN COVER

Olinto J. Tofanelli, Oakland, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

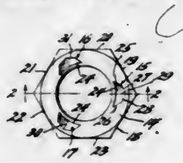
Application January 21, 1941, Serial No. 375,322

3 Claims. (Cl. 220—97)



1. A friction plug cover comprising a central panel having a continuous rounded corner and an upstanding and substantially straight friction wall which merges into an inwardly, then upwardly and outwardly curved marginal wall part which terminates in a curled edge, said outwardly curved wall part reaching its maximum height outwardly of said friction wall and providing a support for the rounded corner of a similar plug cover to rest upon when said covers are stacked together.

2,352,668
LOCK NUT AND METHOD OF MAKING SAME
Chester D. Tripp, Chicago, Ill.
Application March 1, 1943, Serial No. 477,600
17 Claims. (Cl. 151—21)



11. The method of providing a nut with a lock, which comprises forcing a yielding die having three projections each tapering to a point in a plurality of directions against the end face thereof to depress the metal of the nut at three substantially spaced spots and continuing the application of pressure by said die until the application of a predetermined pressure causes said die to yield.

2,352,669
LUBRICATING OIL COMPOSITION
Paul R. Van Ess, Berkeley, and Ellis R. White, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 26, 1941, Serial No. 424,544
9 Claims. (Cl. 252—33)

1. An improved lubricant comprising a mineral lubricating oil having dissolved therein a small amount each of an oil-soluble detergent normally tending to promote scratching or scuffing of pistons and an oil-soluble allophanate selected from the group consisting of allophanates of alicarbocyclic alcohols and thio-alcohols, having at least 12 carbon atoms.

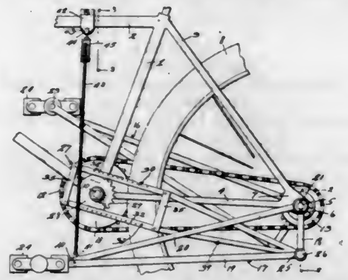
2,352,670
ART OF DRIED STARCH BEARING FOOD
Zelmanas Volpertas, New York, N. Y.
No Drawing. Application January 1, 1942, Serial No. 425,339. In Great Britain October 14, 1937
8 Claims. (Cl. 99—207)

1. The process of preparing farinaceous starch containing vegetable material which consists in cooking the same in an environment of steam evolved from the heating of the said material, pre-drying the same in the absence of mechanical pressure thereon, until the moisture content has been reduced to about half the initial weight of the material, cooling the same to a temperature in the order of 10 degrees C., mechanically reducing the same to a moist powder and thereupon continuing the drying under moderate heat, under vacuum, and with vigorous agitation.

2,352,671
REACTION OF FORMALDEHYDE WITH ACRYLONITRILE AND PRODUCT
Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 3, 1943, Serial No. 485,494
4 Claims. (Cl. 260—464)

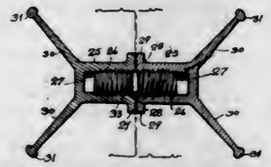
4. As a new chemical compound the formal of ethylene cyanohydrin.

2,352,672
BICYCLE PROPULSION MECHANISM
Clarence D. Walter, Milton, Oreg.
Application May 12, 1942, Serial No. 442,670
5 Claims. (Cl. 74—30)



1. In a bicycle having a rear wheel drive including a rear axle and a driving shaft operatively coupled with the axle, a propulsion mechanism comprising a pair of pedal levers supported for oscillation on the axis of said axle, a rack unit including two spaced parallel racks, means operatively coupling said unit with one lever adjacent the oscillation axis by which reciprocatory movement of the units is effected through the oscillation of said one lever, a mutilated gear carried by said shaft and disposed between and in the plane of said racks, said mutilated gear having teeth partway therearound and being smooth throughout the remainder of its periphery, the smooth portion of said gear being in contact with one rack while the teeth are in engagement with the opposite rack, means for shifting the rack unit in the plane of the gear at the limit of the stroke in each direction for the unit whereby to shift engagement of the gear teeth from one rack to the other, and means for transmitting power from the other lever to the said one lever.

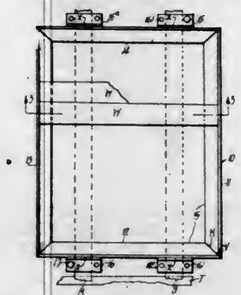
2,352,673
DOWEL BAR STRUCTURE
Clifford H. Westcott, Oak Park, Ill., assignor to James H. Jacobson, Chicago, Ill.
Application April 6, 1942, Serial No. 437,769
3 Claims. (Cl. 94—17)



1. That improvement in the art of highway construction which comprises a load transfer device for bridging the gap between and structurally joining the adjacent ends of concrete road slabs, said device consisting of two substantially counterpart and relatively reversed rigid major members, each having its parts adapted to be imbedded in its respective slab, each major member comprising an internally threaded sleeve portion opening at the face of the slab in which that member is imbedded, and anchors extending from the sleeve portion and into the body of the slab within which it is imbedded, a bridging member comprising a bolt with threads on the respective ends adapted to

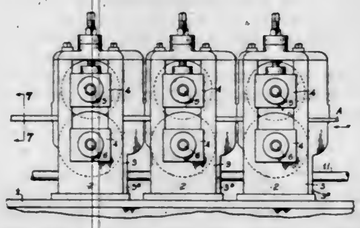
have one end screwed into the internally threaded sleeve portion of one major member and adapted to project beyond the face of its respective slab and to bridge the gap intervening between the adjoining slab faces and adapted to the internally threaded sleeve portion of the other associated major member screwed onto the projecting end of the bolt.

2,352,674
SPAR-DECK PORTABLE PLATE FRAME
Joseph William Yellen, New York, N. Y.
Application February 16, 1944, Serial No. 522,576
3 Claims. (Cl. 189—34)



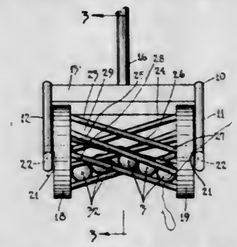
1. A spar deck platform comprising a four sided metal frame consisting of a single angle bar bent to form the corners, said angle bar having a lower horizontal flange extending inwardly to form a support shelf having upper and lower sides, a vertical flange extending upwardly having outer and inner sides, floor members removably supported by said horizontal flange and lying between said vertical flanges, angle bar brackets each having a vertical flange secured to the outer sides of the frame's vertical flange and having a lower horizontal flange-shelf extending outwardly from the frame, the bracket shelves having upper and lower sides and bores therethru to receive fastening means for attaching the frame to a structure, the lower sides of the bracket shelves being flush with the lower side of said support shelf whereby said platform may rest on said structure.

2,352,675
MECHANISM FOR SHAPING SHEET METAL
Carl M. Yoder, Lakewood, Ohio
Application April 21, 1941, Serial No. 389,502
14 Claims. (Cl. 153—28)



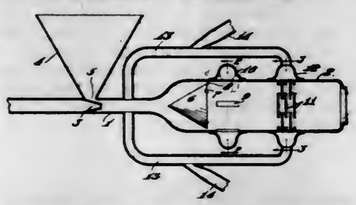
1. In a sheet metal shaping machine, the combination with a support, of a shaft mounted thereon, a roll assembly comprising a member surrounding and keyed to said shaft and spaced annular members arranged to cooperate with a portion of said member to form a shaping roll, one of said annular members slidably and rotatably fitting said first mentioned member, a device secured to the outer side of said slidable and rotatable annular member and having screw threaded engagement with said first mentioned member, whereby rotation of said device adjusts the adjacent annular member axially of the adjacent shaft, said device being slotted throughout a portion thereof circumferentially to form a section capable of being deflected laterally, and means for flexing the said section laterally to effect a locking relation between its threads and the threads on said first mentioned member.

2,352,676
TOY
Sheldon H. Gainsley, Minneapolis, Minn.
Application May 4, 1944, Serial No. 534,059
6 Claims. (Cl. 46—114)



1. In a toy, a pair of spaced ground-engaging wheels, means for supporting said wheels for rotation, a guide extending between said wheels and attached thereto and an object guided by and movable along said guide, said guide being disposed on the skew to cause the object to move by gravity from one end of the guide to the other as the wheels are rotated.

2,352,677
ARTIFICIAL FOG PRODUCTION
Anton G. Anderson, Arlington, and Thomas S. Derr, Newton, Mass., assignors of one-third to American Steam Automobile Company, Middlesex County, Mass., a corporation of Massachusetts
Application November 10, 1942, Serial No. 465,152
10 Claims. (Cl. 252—359)



10. Apparatus for producing artificial fog comprising a conduit through which a stream of gaseous fluid may flow, the conduit containing a conical baffle with its apex directed toward the entrance end of the conduit and forming a restricted passageway around its base, the conduit also having peripheral orifices entering the conduit tangentially near the exit end of the passageway, a nozzle in advance of the conical baffle for introducing gaseous fluid into the conduit to produce said stream, means associated with the nozzle for introducing pulverized material into said stream, means for introducing gaseous fluid

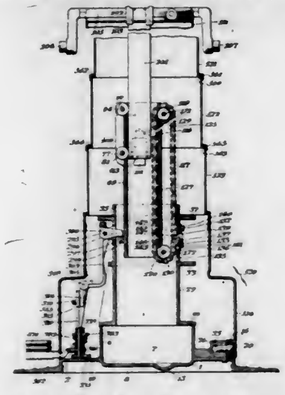
at high velocity through said orifices to disperse said material in and thoroughly mix it with said stream and to impart a spiral motion to the stream, said conduit having peripheral openings beyond said orifices through which undispersed particles are thrown by centrifugal force, and means for returning said undispersed particles to the conduit in advance of said passageway.

2,352,678

ADJUSTABLE CHAIR

Robert C. Angell, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania

Application October 3, 1941, Serial No. 413,448
11 Claims. (Cl. 155—25)



11. In an adjustable chair, the combination with a base, of a carriage rotatably mounted on said base and having upwardly projecting walls providing a reservoir unitary therewith, seat supporting mechanism cooperative to elevate and lower said seat and comprising a pedestal frame section, detachably supported on said upwardly projecting reservoir walls, a pedestal sleeve section and a seat supporting shaft, all removable as a unit from said carriage and its reservoir thus affording free access thereto, means arranged to move said sleeve section up and down, relatively spaced vertically alined sprockets rotatably mounted on said sleeve section, and a closed chain carried by said sprockets and embracing the wall of said sleeve whereby it approximates the axis of the seat supporting shaft, and has relatively spaced regions engaged with said pedestal frame section and with said seat supporting shaft, so that when said pedestal sleeve section is lineally moved, an accelerated axial movement of the seat supporting shaft is produced.

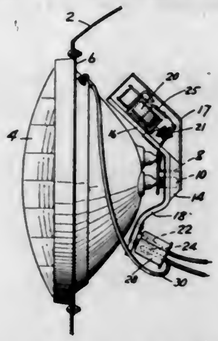
2,352,679

ILLUMINATION CONTROL MEANS

Howard Russell Annis, Mount Holly, N. J., assignor to Arrow Safety Device Company, Medford, N. J., a corporation of New Jersey

Application July 7, 1942, Serial No. 450,040
7 Claims. (Cl. 315—322)

1. In combination, a lamp of the type arranged to be supported by means engaging its circumference and provided with substantially rigid prongs electrically connected to at least one filament thereof, a connector of a type adapted to engage said prongs to provide an electrical connection therewith, and a relay assembly, said relay assembly comprising a base, a relay having an electromagnet and circuit closing means engageable upon energization of the electromagnet, contact elements carried by the base and engageable with said prongs to support said assembly thereon, and prongs carried by said base and engageable by said connector, and electrical connections between the afore-



said parts of the assembly so that the relay may be energized by current flowing between said connector and at least one of said prongs carried by the base, and the lamp filament may be energized upon operation of the relay through current flowing between at least one of the contact elements carried by the base and the corresponding prong of the lamp.

2,352,680

SUPPLY AND DELIVERY OF LIQUID UNDER PRESSURE

Lindley Robertson Armitage, Enfield, England

Application February 6, 1941, Serial No. 377,738
In Great Britain April 26, 1940
3 Claims. (Cl. 299—90)



2. Apparatus for storing and projecting a liquid comprising in combination a longitudinal resilient vessel having an opening therein for receiving a supply of liquid under pressure, a valve arranged adjacent said opening, a normally closed outlet for the liquid in said vessel, flexible means connecting said valve to an opposite portion of the vessel for moving the valve to a position to close said opening when the vessel has expanded to a predetermined extent, and a second valve preventing escape of liquid from the vessel through the said opening whereby the liquid in the vessel will be automatically forced therefrom by contraction of the resilient vessel when the outlet is opened to allow the liquid to escape.

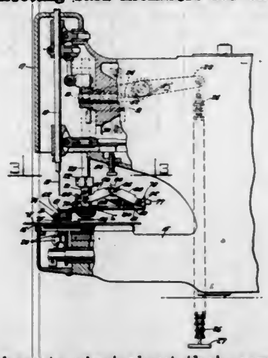
2,352,681

BUTTON CLAMP

Samuel W. Avis, deceased, late of Wellesley, Mass., by Harriette M. Avis, administratrix, Wellesley, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine

Application May 19, 1943, Serial No. 487,569
14 Claims. (Cl. 112—114)

1. In a sewing machine for attaching buttons, button clamping means comprising three relatively movable members each having a button clamping jaw, one of said members being guided for reciprocating movement and the others being mounted to swing about a common axis, and means connecting said members for causing the



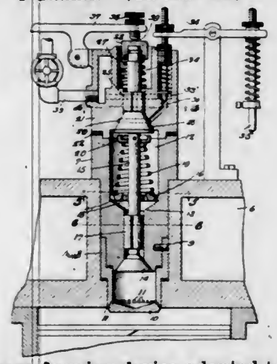
other members to pivot about their common axis so that all three button clamping jaws are simultaneously advanced into button clamping position and simultaneously withdrawn into button releasing position when said first named member is reciprocated.

2,352,682

OIL FUEL FEED DEVICE

Joseph Edward Blanding, New London, Conn., assignor of forty-nine per cent to Patrick Bartholomew McNamara, Groton, Conn.

Application September 10, 1942, Serial No. 457,861
3 Claims. (Cl. 123—31)



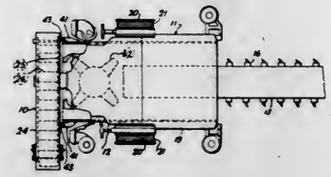
1. A charge forming device adapted to be positioned in an opening of an internal combustion engine, comprising a body portion, said body portion having a mixing chamber formed with a tapered bottom, a disk mounted within the mixing chamber and engaging the wall of the mixing chamber adjacent to the bottom thereof, said disk having a plurality of openings disposed adjacent to its edge and having another circular line of openings adjacent to the center thereof, said openings being outwardly flared at their lower ends, and adapted to direct fuel against the tapered bottom of the mixing chamber, a turbulence chamber at the lower end of the body portion and being in communication with the mixing chamber, to receive a fuel charge therefrom, said turbulence chamber adapted to discharge fuel into an engine cylinder on which the body portion is mounted, and a valve for controlling the passage of fuel into said turbulence chamber.

2,352,683

SLACK OR CUTTINGS REMOVING ATTACHMENT FOR KERF-CUTTING MACHINES

George Bodin, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application February 22, 1943, Serial No. 476,728
2 Claims. (Cl. 262—30)



1. In a kerf-cutting machine having a frame, a cutter bar having a portion extending through a cuttings passage opening tothe rear end of said frame, a cutter chain guided for orbital movement about said cutter bar, a cutter chain drive sprocket for driving said cutter chain about said cutter bar, a rotatable cuttings sweep disposed beneath said sprocket, coaxial with the axis of rotation thereof, to assist the cutter chain in discharging the cuttings through said cuttings passageway beyond the rear end of the machine, and a cuttings discharge conveyer extending across and detachably mounted on the rear end of said frame and driven from the kerf-cutting machine, said conveyer including a frame extending across said cuttings passageway laterally beyond the retreating side of the machine, a chain conveyer guided for movement about said frame and having flights depending from said frame, when traveling across said cuttings passageway, said frame being open towards the ground throughout its length and having a horizontal portion extending across the discharge opening of said cuttings passageway, adjacent but spaced above the ground a distance sufficient to permit said flights to convey the cuttings discharged by said sweep along the ground beyond the retreating side of the machine, and having an upwardly inclined portion extending laterally beyond the retreating side of the machine for elevating said chain and flights above the ground, to clear said flights from the discharged cuttings as they reverse their direction of travel along said frame.

2,352,684

SERVING PLATE

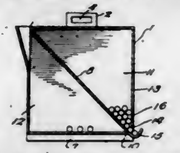
John S. Braddock, Grand Rapids, Mich.

Application January 24, 1941, Serial No. 375,729
8 Claims. (Cl. 65—15)



1. A serving plate comprising an upwardly-inwardly extending peripheral base, an elevated food-supporting shelf supported by said base and having an outer retaining wall extending downwardly-inwardly from the top of said base and an inner retaining wall extending upwardly-inwardly, and a bowl peripherally depending from the top of said inner retaining wall and extending below said shelf.

2,352,685
WELDING ROD BOX
Joseph M. Brinker, Baltimore, Md., assignor of one-half to Michael Podgurski, Baltimore, Md.
Application May 17, 1943, Serial No. 487,369
5 Claims. (Cl. 206—16)



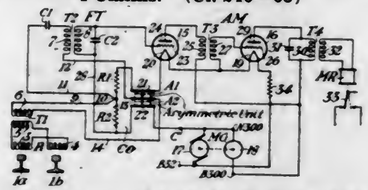
1. In a box for holding a supply of welding rods, an inclined partition within said box forming with the upper part of said box a hopper for welding rods and with the lower portion of said box a compartment for used butts of said rods, the front of said box having an elongated slot near its lower edge and adjacent to the lower end of said partition, a trough outside the box and adjacent said slot to receive and hold a single welding rod, one end of said box having companion openings communicating respectively with the hopper and said butt compartment, and a closure member adapted to simultaneously cover and uncover both said openings.

2,352,686
TOOL FOR HIGH-TENSION LINES
Byron B. Broadbooks, McPherson, Kans., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application June 5, 1942, Serial No. 445,975
1 Claim. (Cl. 81—53)



In a clamp stick for high tension lines, the combination of an elongated wooden handle comprising a plurality of sections, the joints between the sections extending longitudinally of the handle and said sections being provided with opposed grooves whereby the handle is provided with an axially extending bore, an elongated wooden rod located in said bore, said rod carrying at its upper end a metal fitting provided with a hook for securing a conductor or a hot wire clamp, a head carried by said elongated wooden handle, said head comprising a sleeve fixedly secured on said wooden handle and extending beyond it and surrounding said hook in one position of said hook, said sleeve having its outermost end deformed to substantially cruciform cross section, an actuating handle for said wooden rod comprising a second sleeve slidably mounted on the lower end of said elongated wooden handle and having its closed end secured to said wooden rod, spring means compressed between said elongated wooden handle and said second sleeve for urging said hook into said head, and securing means carried by said second sleeve for securing the second sleeve in any of a plurality of different positions, said second sleeve being mounted for free rotation on the lower end of said wooden rod when said securing means is released to relieve said wooden rod of twisting strains.

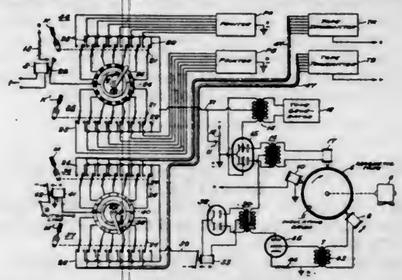
2,352,687
RECEIVING APPARATUS FOR TRAIN CONTROL SYSTEMS
Ralph K. Crooks, Clearfield, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 12, 1943, Serial No. 475,628
4 Claims. (Cl. 246—63)



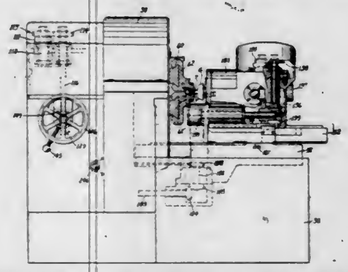
4. In train control apparatus including an electron tube amplifier and a pair of inductors mounted on a train in inductive relation to the track rails to receive an electromotive force in response to an alternating track circuit current, the combination comprising, a first transformer having a primary winding connected to said inductors, a filter including a transformer and capacitance and tuned to resonance at the frequency of said alternating current, a control device having two multiple paths one of which paths includes two asymmetric units in series and the other of which paths includes two resistors in series; a filament circuit including in series a source of direct current, a filament of said amplifier tube and said control device; said asymmetric units poled to block the flow of such filament circuit current to cause the current to flow through said resistors to create a voltage drop across each resistor, a first circuit to connect a secondary winding of said first transformer to a primary winding of said filter transformer, a second circuit to connect a secondary winding of said filter transformer across a control grid and said filament of said amplifier tube, and said control device interposed in said second circuit between said secondary winding of the filter transformer and said tube filament and having a mid terminal of its resistors connected to one side of said first circuit and a mid terminal of its asymmetric units connected to the other side of said first circuit whereby said control device provides a normal grid bias voltage for said tube, reduces shock waves created in said inductors and insulates said inductor from said filament circuit current source.

2,352,688
PHASING DEVICE FOR SYNCHRONOUS TELEGRAPH SYSTEMS
John L. Callahan, Malverne, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 1, 1943, Serial No. 471,030
14 Claims. (Cl. 178—53)

13. The method of phasing one train of code signals, with respect to another such train, where the two trains are derived from mutually synchronized but phase displaced sources and require transmission on an outgoing time division multiplex channel, said method comprising locally generating a tone frequency wave, keying said wave by marking elements of the signals in one of said trains, electromagnetically recording and reproducing said keyed wave, introducing a predetermined storage period between said recording and reproduced steps with respect to a given element in said train, amplifying and rectifying said wave, and relaying the code elements derived from said rectified wave and from the other said train to said outgoing multiplex channel.



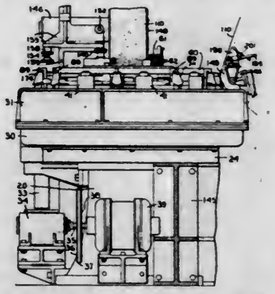
2,352,689
GEAR-CUTTING MACHINE
Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application October 18, 1939, Serial No. 300,025
17 Claims. (Cl. 90—6)



5. The method of producing a gear which comprises moving a tool, which has a side cutting edge of positive pressure angle, in a longitudinally straight path across the face of a gear blank from one end of a tooth space of the blank to the other, and varying the depthwise position of the tool during said longitudinal movement so that the tip of the tool travels in a convex circular arc as the tool moves from one end of the tooth to the other.

2,352,690
MACHINE FOR SMOOTHING SURFACES
George Clausing, Portsmouth, Ohio, assignor to Vulcan Corporation
Application December 4, 1941, Serial No. 421,543
25 Claims. (Cl. 51—145)

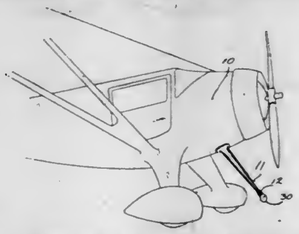
1. In a machine for smoothing the side and back areas of shoe heels, a base, a circular carrier rotatably mounted upon said base, a ring gear fixed upon said base concentric with the axis of said carrier, a plurality of heel feeding heads, pivotally mounted at one of their ends upon and arranged substantially tangential to the periphery of said carrier and having their free outer ends movable substantially along a radius from the axis of the carrier, a pinion gear for each head rotatably mounted upon the pivotal axis thereof and meshing with and driven by said ring gear, a revolving turret in the outer end of said head, having a heel holding jack thereon, a gear train in said head in which said pinion gears are the drivers, said trains of gears acting to rotate said turret in predetermined timed relation to the rotation of said carriage, a driven smoothing tool presenting a face shaped to conform to the heel contour and means for causing engagement and disengagement of heels in said jacks, thereby to execute the smoothing operation.



2,352,691
ANESTHETIC COMPOUND AND PREPARATION
David Curtis, New York, N. Y.
No Drawing. Application July 25, 1941, Serial No. 404,047
4 Claims. (Cl. 260—472)

1. As a new compound, the acetyl salicylic acid salt of an alkamine ester of amino benzoic acid.

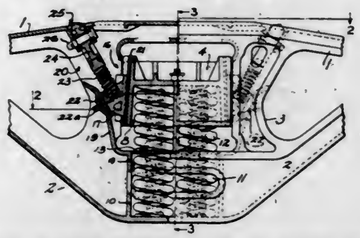
2,352,692
AUTOMATICALLY OPERABLE SAFETY LANDING SWITCH FOR AIRPLANES
Joseph A. Dann, Milwaukee, Wis.
Application February 26, 1941, Serial No. 380,658
4 Claims. (Cl. 244—1)



1. In an airplane having ordinary landing wheels, a power operated means, and a fuselage having an ignition circuit for said power operated means, said circuit including an ignition cut-out switch and having an exterior arm projecting forwardly and downwardly in front of the forward landing wheels, with its lower end portion at a sufficient elevation to be out of contact with the ground during normal landing operations, at least an outer end portion of said arm being displaceable, and means connecting said displaceable portion with said switch for

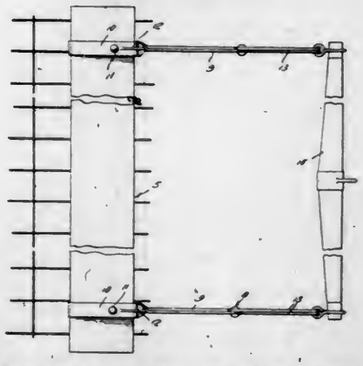
actuating said switch to break the ignition circuit, said arm portions being positioned to be operated by displacement when the fuselage is sufficiently tilted abnormally forwardly over the landing wheels in movements over the earth to cause engagement of said portion with the earth and thereby to displace the said portion of said arm.

2,352,693
RAILWAY TRUCK
Arthur C. Davidson, Chicago, Ill.
Application June 7, 1941, Serial No. 396,979
19 Claims. (Cl. 105—197)



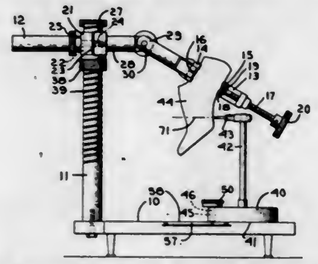
1. In a railway truck, side frames having transverse openings, a bolster extending through said openings and having downwardly opening pockets in its end portions, said frames having upwardly opening box-shaped housings below said pockets, bolster support springs substantially entirely received in said housings, followers resting on said springs, bolster support springs mounted on said followers with their upper portions received in said bolster pockets, the springs above and below the followers being of substantially equal capacity and deflection, and means carried by the bolster and limiting the movement of said followers and the bolster away from each other, the followers and the lower ends of the springs mounted thereon and the movement limiting means being receivable in the spring housings in the frames when the bolster support springs are compressed under load.

2,352,694
FENCE STRETCHER
George Daugherty, Imperial, Calif.
Application August 31, 1943, Serial No. 500,702
2 Claims. (Cl. 254—83)



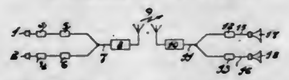
1. In a fence stretcher, a pair of elongated rigid clamp plates to receive and grip therebetween fence fabric, and a pair of clamp operating devices connected to said plates adjacent the ends thereof and each including a pair of crossed pivotally connected levers of strap metal and attaching portions extending angularly thereto and secured to said plates and provided with right angularly disposed free ends to engage edges of the plates, said levers at the junction of the angular portions being twisted to lie flatly against the plates with the levers extending therefrom and having horizontally disposed surfaces, reinforcing ribs at the opposite sides of the levers at said twisted portions, and means for connecting a draft source to the ends of said levers.

2,352,695
APPARATUS FOR TRANSCRIBING LAST CONTOURS
Henry Clausing and Walter Clausing, Portsmouth, Ohio, assignors to Vulcan Corporation, Portsmouth, Ohio
Application June 30, 1942, Serial No. 449,114
9 Claims. (Cl. 33—41)



1. A fixture for transcribing the outline of a last contour comprising a base presenting a flat work surface having sheet material thereon to receive the transcription, an adjustable last support anchored at the peripheral edge of said base and having an upper structure overhanging the work area for clamping the last in rigid position above said work surface, a transcribing element movable upon said surface, a follower on said transcribing element operable to engage a last held in said last support and be moved along the periphery of the last in a predetermined plane thereof by movement of said transcribing element upon said work surface, a scribing tool on said transcribing element engaging said sheet material to reproduce thereon the outline generated by the path of engagement of said follower with the last and means on said transcribing element for maintaining the point of the follower and the point of the transcriber upon a line perpendicular to said work surface.

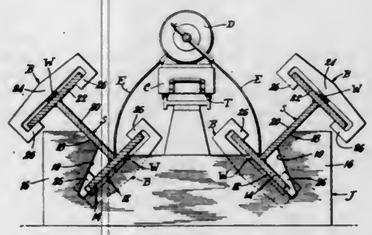
2,352,696
DEVICE FOR THE STEREOPHONIC REGISTRATION, TRANSMISSION, AND REPRODUCTION OF SOUNDS
Kornelis de Boer and Jan Frederik Schouten, Eindhoven, Netherlands; vested in the Alien Property Custodian
Application July 8, 1941, Serial No. 401,528
In the Netherlands July 24, 1940
5 Claims. (Cl. 179—1)



1. A stereophonic sound system comprising a plurality of sound-receiving elements spaced

apart and adapted to convert into electrical oscillations sound waves received from a source of a band of sound frequencies, a plurality of filtering means one associated with each of said elements, each of said means transmitting the oscillations of a plurality of spaced sub-bands of said band of frequencies and suppressing the oscillations of the intervening sub-bands, the transmission characteristics of one of said filtering means being complementary to the transmission characteristics of the other filtering means, means to combine the oscillations of the complementary sub-bands transmitted through said filters into a single channel, means to separate said combined oscillations of the complementary subbands into individual channels, and a plurality of spaced means one associated with each of said channels for converting the separated oscillations into sound waves.

2,352,697
JIG FOR WELDING STRUCTURAL SHAPES
Alex Edward Dittrich, Maywood, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application August 3, 1940, Serial No. 350,263
11 Claims. (Cl. 113—59)

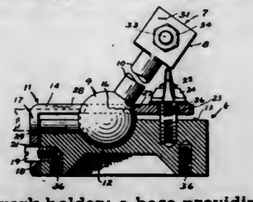


5. Apparatus for fabricating structural members comprising, in combination, a series of jigs arranged at longitudinally spaced intervals, each of said jigs being formed with supporting surfaces to engage and support a structural member; and a track mounted on and secured to said jigs, said track extending alongside of and laterally spaced from such series of supporting surfaces.

2,352,698
PROCESS OF PREPARING A SULPHONATED PRODUCT
James T. Eaton, Wyncote, and Peter W. Volk, Philadelphia, Pa., assignors to E. F. Houghton and Co., Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application May 29, 1940, Serial No. 337,952
6 Claims. (Cl. 252—354)

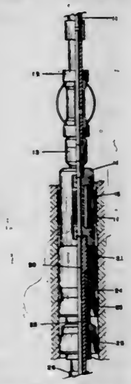
3. The process of preparing a sulphonated product which comprises adding a sulphonating agent to a mixture of a monohydric alcohol containing from 1 to 8 carbon atoms and an unsaturated fat, the mol ratio of monohydric alcohol to unsaturated fat being between 1 to 1 and 12 to 1, the amount of sulphonating agent being insufficient to sulphonate the said mixture completely, heating the mixture and sulphonating agent at a temperature between 70° C. and 120° C., adding to the partially sulphonated product at 0° C. to 35° C. sufficient sulphonating agent to complete the sulphonation, and thereafter completing the sulphonation at said temperature.

2,352,699
WORK HOLDER
Earl Ennis, San Francisco, Calif.
Application February 16, 1942, Serial No. 431,125
3 Claims. (Cl. 287—12)



1. In a work holder; a base providing a portion of a ball socket extending inwardly from a flat exterior face thereof and having a second flat exterior face extending transversely from an edge portion of the first face; a work-carrying post comprising an intermediate shank portion integrally connecting a head portion arranged for the mounting of a work piece thereon and a ball portion arranged for its complementary seating in said socket portion, said shank portion of the post having a less diameter than the ball; an L-shaped keeper member having integrally connected portions thereof disposed opposite the different said base faces, with the keeper portion which is disposed opposite said first face being provided with a transverse opening receiving the post therethrough and providing a portion of the ball socket for seating against said ball at the side thereof opposite the said socket portion provided by the base, said keeper portion also being provided with a transverse slot extending therethrough and therealong from said opening and into the other keeper portion for freely receiving the shank of the post in substantially parallel relation to the first base face; and means connecting the different said keeper portions with the base at the opposed base faces for effecting the centered and forcible gripping of the ball between the socket portions for fixing the post in adjusted relation to the base.

2,352,700
OPEN HOLE REMOVABLE PACKER
Auttie T. Ferris, Flora, Ill., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application January 28, 1942, Serial No. 428,563
1 Claim. (Cl. 166—12)



An open hole removable packer for oil well or the like, adapted to be lowered into a well on tub-

ing, including a hollow mandrel adapted to be connected to the tubing, a set of slips means for mounting said slips for limited radial movement on said mandrel near its upper end, means operable hydraulically for actuating said slips to move the same outwardly to engage the wall of the bore hole and prevent movement of the mandrel in the hole, a cylindrical wall packer sleeve mounted on said mandrel beneath said slips and means operable hydraulically for expanding said sleeve to cause the same to engage the wall of the bore hole and effect a seal between it and the mandrel, said means for expanding said packer sleeve, including an operating member slidably mounted on said mandrel beneath said packer sleeve, a lower shoe for said packer sleeve fixed to said member and an inverted swab cup fixed to said member beneath said lower shoe.

2,352,701

PROCESS OF PRODUCING FAST DYEINGS AND THE DYED FIBER OBTAINED THEREBY

Erich Fischer, Bad Soden in Taunus, Werner Kirst, Konigstein in Taunus, and Walter Gmelin, Bad Soden in Taunus, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 27, 1940, Serial No. 367,376. In Germany February 16, 1939

11 Claims. (Cl. 8—22)

1. A process of producing fast dyeings which comprises applying to the fiber a compound of the group consisting of the aromatic and heterocyclic series which contains in the molecule an amino group capable of being diazotized, and in addition thereto a member of the group consisting of amino and hydroxyl groups, but is free from a grouping capable of forming a metal complex compound, then diazotizing on the fiber and subjecting the dyeing to an alkaline treatment and subsequently to a treatment with an agent yielding a metal.

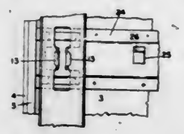
2,352,702

PARTITION CONSTRUCTION

Gilbert L. Fowles, Lakewood, and Charles J. Nocar, Cleveland, Ohio, assignors to The E. F. Hauserman Company, Cleveland, Ohio, a corporation of Ohio

Application August 4, 1940, Serial No. 351,383

11 Claims. (Cl. 189—34)



1. In a wall construction, channel vertical supports, panel face members, openings in the lateral wings of said channel vertical supports, said openings being wider at the ends than at the middle, locking lugs projecting inwardly from each face member and effectively interlocked with said vertical supports in said openings and screw-threaded means for also tightening a face member on its vertical support to prevent vertical movement.

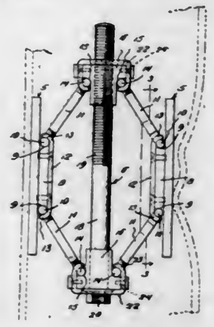
2,352,703

EXPANDER

Jacob Fries, Jr., Chicago, Ill.

Application May 17, 1943, Serial No. 487,312

1 Claim. (Cl. 153—32)



In an expander for the straightening of channeled metallic stock, opposed pressure plates adapted to be arranged against opposed walls of channeled stock, bearing blocks having grooves in ends thereof to provide elongated seats formed on opposing faces of the pressure plates, connecting links having pintles and each link being of plate formation, some of said pintles engaging said seats, elongated straps secured to the bearing blocks and having hook shaped ends extending in the direction of the pressure plates to engage the pintles contacting said seats, an operating rod arranged between the plates, substantially rectangular shaped heads having cutaway portions to provide seats engaged by the other pintles, substantially U shaped straps secured to the heads and having hook shaped ends extending toward the heads to engage the last named pintles to hingedly connect the links to the heads, one of said heads journaled on the rod and slidable relative thereto and the other head threaded to said rod, and means formed on said rod to act as a stop for limiting the sliding of one of said heads on the rod and provided with angularly related exterior faces for a tool to grip to permit rotation of the rod in either direction by the tool.

2,352,704

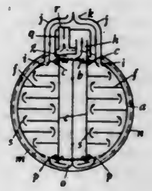
OIL COOLER

Edward Garner, Greet, Birmingham, England, assignor to Serck Radiators Limited, Birmingham, England

Application October 4, 1940, Serial No. 359,814

In Great Britain November 24, 1939

3 Claims. (Cl. 257—2)



2. An oil cooler comprising the combination of a plurality of groups of coolant tubes, each group having oil passages formed by the outer surfaces of its tubes, a casing in which said groups are mounted with one group situated centrally between the others, an inlet connection whereby oil can flow to the central group, an outlet connection whereby oil can flow from at least one of the other groups, means including a passage situated around said casing whereby oil from said central group can flow through the other groups to said outlet connection, and a valve-controlled by-pass situated between said passage and outlet connection.

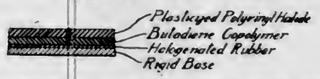
2,352,705

COMPOSITE ARTICLE

Benjamin S. Garvey and Donald E. Henderson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application October 7, 1939, Serial No. 298,472

7 Claims. (Cl. 154—2)



1. A composite structure comprising successive layers of a rigid base, halogenated rubber, a vulcanized copolymer of butadiene and an unsaturated nitrile having the structural formula

$$CH_2=C-CN$$
$$\quad\quad|$$
$$\quad\quad R$$

wherein R represents a member of the class consisting of hydrogen and alkyl groups, and a plasticized polyvinyl halide in direct contact with the copolymer, all of which have been bonded into an integral whole by vulcanizing said copolymer layer after assembling the composite.

5. The method which comprises interposing a layer of a vulcanizable composition comprising a copolymer of butadiene and an unsaturated nitrile having the structural formula

$$CH_2=C-CN$$
$$\quad\quad|$$
$$\quad\quad R$$

wherein R represents a member of the class consisting of hydrogen and alkyl groups between a plasticized polyvinyl halide and an adjacent layer of halogenated rubber contiguous to a rigid base, with the copolymer in direct contact with the polyvinyl halide, and subjecting the composite article under pressure to heat sufficient to vulcanize the copolymer.

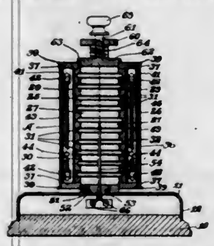
2,352,706

WAFFLE IRON

Aloys P. Gruenke, St. Paul, Minn., and Benjamin Ezra Stair, Sioux Falls, S. Dak.

Application May 23, 1941, Serial No. 394,856

8 Claims. (Cl. 99—381)



1. A waffle iron comprising a pair of sections designed to separate along a substantially vertical plane, a mold cavity formed by said sections between the same, said sections having a filling opening in communication with said mold cavity, and spring urged yielding means for closing said filling opening and to allow for expansion of the waffle.

2,352,707

COTTON YARN FOR WATER-PRESSURE HOSE

Charles F. Goldthwait, New Orleans, La., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application January 7, 1943, Serial No. 471,583

4 Claims. (Cl. 117—7)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A hose having a water-holding wall comprising a fabric woven from cotton yarn which is substantially non-stretching, said yarn having hydroxy ethyl cellulose incorporated therein, which cellulose derivative is non-soluble in water and which swells when wetted, whereby the hose when used to carry water under pressure is substantially non-expansible and waterproof.

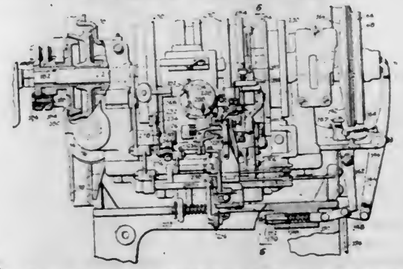
2,352,708

SHOE SEWING MACHINE AND DRIVING AND STOPPING MECHANISM THEREFOR

Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application September 14, 1939, Serial No. 294,926. Divided and this application October 23, 1941, Serial No. 416,228

22 Claims. (Cl. 112—219)



1. A driving and stopping mechanism having, in combination, a main shaft, high and low speed mechanisms for driving said shaft, a treadle actuated control member for throwing the high speed driving mechanism into and out of operation, normally inoperative means rendered operative when the high speed mechanism is thrown out of operation to cause the low speed mechanism to drive said shaft through a predetermined part of a rotation and then to cause the shaft to come to rest, and means acting during each rotation of the main shaft to prevent the high speed driving mechanism from being thrown out of operation except when the main shaft is in substantially normal stopping position.

2,352,709

APPARATUS FOR ANNEALING ARTICLES

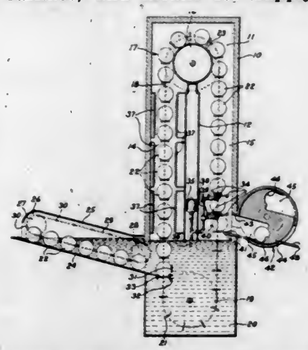
Carl O. Haase, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application November 26, 1942, Serial No. 467,065

7 Claims. (Cl. 266—4)

1. In an annealing furnace, a regenerative water heating system comprising a water seal,

means for spraying water onto articles heated in the furnace, and means for supplying the



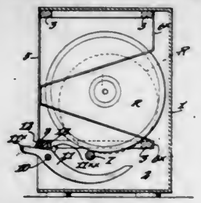
spraying means with water from the water seal, the spraying means being so located that water from the articles flows into the water seal.

2,352,710

PHONOGRAPH RECORD EJECTING HOLDER

Joseph J. Hart, New York, N. Y., assignor to Joseph J. Hart and Mathilde Gollonder, New York, N. Y., a copartnership doing business as Albumatic Company

Application March 17, 1943, Serial No. 479,399
3 Claims. (Cl. 312—19)



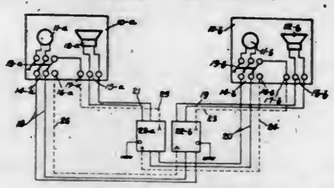
3. A record holder comprising spaced end members and connections therefor, including spaced lower bars adapted as record supports, a division member mounted between the end members, a rod carried by the end members, and an ejector lever slidably mounted on said rod and having an exposed finger-piece, the division member comprising a front plate having a plurality of slots and a rearward slotted plate construction disposed above said rod and having upper and lower inclined sections in register with the front plate and its slots being aligned with those of the front plate.

2,352,711

COMMUNICATION SYSTEM

Werner Hasenberg, Rio de Janeiro, Brazil

Application July 15, 1941, Serial No. 402,510
7 Claims. (Cl. 179—1)



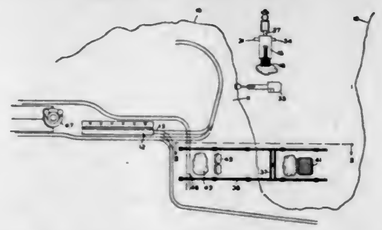
1. In an arrangement for establishing and maintaining a simultaneous two-way communication of the loud-speaking type in a network of independent one-way transmitting channels, thereby preventing any kind of feed back, a loud-speaking reproducer and a voice transmitting element, belonging to different and remotely located stations operatively associated with each channel, each channel having its own amplifying and electronic controlling means for providing transmission of sound above a predetermined threshold level, thereby producing a control current which enters the channel simultaneously with the amplified sound current, and disabling means responsive to control current for providing and maintaining the initial non-conductivity of the channel for transmission even for sound intensity above said predetermined threshold level, which comprises separate receiving and transmitting circuits at the stations adapted to be connected to transmitting channels of opposite direction for simultaneous two-way communication, interconnecting means between said two circuits at the stations constituting a bridge for control current to pass over from one into the other circuit, so that control current impressed together with amplified sound current at the receiving circuit at the station enters the channel of opposite direction which has been connected to said transmitting circuit of that station.

2,352,712

RECOVERY AND USE OF SCRAP STEEL

Eric H. Heckett, Titusville, Pa.

Application November 24, 1941, Serial No. 420,232
5 Claims. (Cl. 75—30)



1. The method of operating a steel-making plant having an open hearth furnace and a blast furnace which consists of subjecting the slag refuse of the open hearth furnace to a magnetic separation for the purpose of segregating the slag lumps or particles which contain an appreciable amount of free steel embedded therein, grading the last mentioned material into components having particle sizes greater and less than approximately 1", charging the finer material into the blast furnace, subjecting the coarser component to an impact treatment for the purpose of breaking away the slag from the steel particles, magnetically reseparating the material so treated, and charging the cleaned and separated steel into the open hearth furnace.

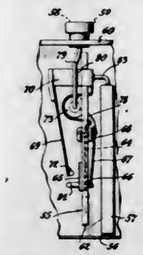
2,352,713

FLUORESCENT LAMP STARTER

Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut

Application March 4, 1942, Serial No. 433,301
5 Claims. (Cl. 200—122)

5. A relay for starting an electric discharge lamp comprising a base, heat-responsive means carried by said base in parallel spaced relation thereto, a comparatively low resistance electric heater in heat-transfer relation to said heat-responsive means for causing rapid deflection of the latter upon the application of substantially line voltage to said low resistance heater, a pair of normally engaged contacts completing a circuit to said lamp and to said low resistance heater and operable to interrupt said circuit upon deflection of said heat-responsive means, a bimetallic element carried by said base in substantially parallel superimposed relation with respect to said heat-responsive means and provided with a contact normally disposed in spaced relation with one of said pair of contacts and operable to deflect in the same direction when heated as said heat-responsive means, a comparatively high resistance electric heater connected to the contact carried by said bimetallic element and in heat-transfer relation with said heat-responsive means and subjected to lamp



voltage upon separation of said pair of contacts for maintaining said heat-responsive means in a predetermined position during operation of said lamp, said high resistance heater being operable to heat said heat-responsive means and cause engagement of one of said pair of contacts with the contact carried by said bimetallic element upon the application of substantially line voltage thereto due to failure of said lamp to start to cause repetitious operation of said relay until a discharge is initiated in said lamp, and a stop carried by said base and disposed in the path of deflected movement of said heat-responsive means to restrain deflection of the latter and prevent engagement of one of said pair of contacts with the contact carried by said bimetallic member when the latter is in a deflected position due to heating by said high resistance heater by the application of substantially line voltage to the latter for a predetermined period of time.

2,352,714

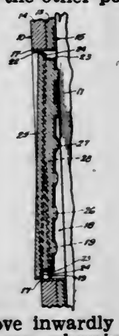
WALL PANEL

Prescott S. Huyssen, Glendale, Calif.

Application May 31, 1941, Serial No. 396,007
6 Claims. (Cl. 72—16)

1. In a wall panel, a frame mounted in the wall, said frame being equipped with a central opening therein, a dished plate supported within the opening in said frame with the sides of the plate adjacent the walls of the frame around the opening therein, said plate being movable inwardly and outwardly within the opening in the frame, the outer edges of the frame and the plate being flush with the surface of the wall when the plate is in normal position in the frame, and spaced stop members carried by the frame and extending along and in engagement with the inner surface of only a portion of the plate adjacent the opposite sides of the plate, said portion being intermediate the ends of the plate, said members being adapted to prevent

inward movement of the portion of the plate engaged thereby, the other portions of the plate



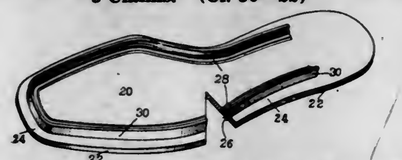
being free to move inwardly upon the exertion of pressure thereon whereby the plate pivots about said stop members within the frame.

2,352,715

INSOLE

Adrien L. Jalbert, Haverhill, and Edward Quinn, Saugus, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application October 16, 1942, Serial No. 462,280
5 Claims. (Cl. 36—22)



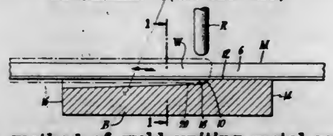
1. An insole provided with a lasting rib consisting of an integral channel flap formed by a channel cut in the margin of the insole inwardly of the edge face thereof and extending inwardly of said margin, and a two-ply reinforcing layer having cement between the plies and having a single-ply flange extending laterally from the base thereof, said layer being secured by cement alone to the outer face of said flap with its flange lying flat in said channel, and said flap overlapping the flange and being secured thereto throughout the width of said flange, the margin of the insole remaining at its original thickness.

2,352,716

WELDING

Lloyd T. Jones, Berkeley, Calif., assignor to The Linde Air Products Company, a corporation of Ohio

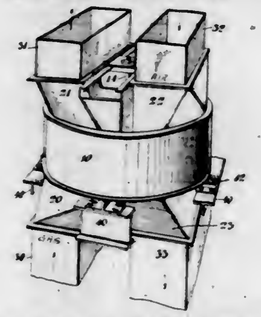
Application April 24, 1940, Serial No. 331,304
15 Claims. (Cl. 219—10)



1. A method of weld uniting metal members with a welded joint having a bead of pre-selected form on its back side which comprises arranging said members with their adjacent edges in juxtaposition to form a seam to be welded; bridging the back side of said seam with backing chill means of relatively high heat conductivity and mass; providing in said backing means a recep-

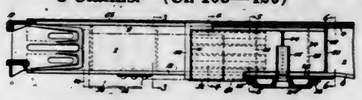
tacle at least a portion of which is the exact shape of the bead desired; progressively depositing molten metal in and along said seam from the other side of the latter and in said receptacle to provide a welded joint beaded along its back side while preventing such molten metal from running along the back side of said seam in advance of the welding point; and, as said molten metal in said receptacle solidifies to form a bead on the back side of said seam, progressively moving said backing chill means out of contact with said bead while maintaining said means in contact with said members.

2,352,717
AIR PREHEATER MOUNTING
Per Hilmer Karlsson, Wellsville, N. Y., assignor to The Air Preheater Corporation, New York, N. Y.
Application December 24, 1941, Serial No. 424,256
1 Claim. (Cl. 248—201)



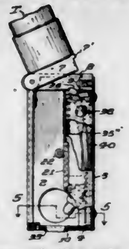
In an air preheater or the like having a housing provided with a pair of footed brackets diametrically located thereon and having flat vertical side faces parallel to a plane through the vertical axis of said housing and resting freely on horizontally disposed supports adjacent opposite sides of said housing; guide blocks disposed at each side of the bracket feet and having vertically disposed faces on the sides facing said feet positioned closely adjacent the side faces of the bracket feet for restraining lateral movement of the latter relatively to said blocks.

2,352,718
DRAFT GEAR BACKSTOP AND CENTER FILLER
Adolph Kassler, New York, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 8, 1942, Serial No. 426,039
8 Claims. (Cl. 105—420)



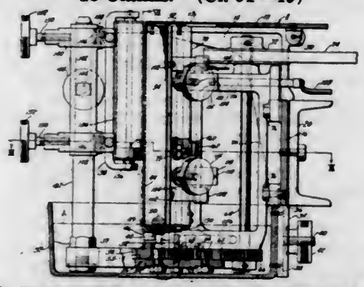
1. A car underframe including a center sill having spaced substantially parallel webs joined together by a top cover plate, laterally spaced bottom flanges secured to the webs and extending to either side thereof, bolster members secured to the sill inwardly of the ends thereof, draft gear back stops secured to the sill webs between the bolster and adjacent sill ends, said back stops overlapping and being secured to the ends of cut-out portions of said top cover plate and bottom flanges, back stop bracing means comprising spaced apart Z bars having the top flanges directed toward each other and secured to the under side of the center sill top cover plate and with the lower flanges partially underlying the sill bottom flanges, the webs and flanges of the Z bars being secured to said back stops to brace the same, said Z bars having rear portions of the bottom flanges removed whereby the webs thereof may rest upon and be attached to the top side of inwardly extending portions of the center sill bottom flanges.

2,352,719
FOLDING MICROSCOPE
Andrew King, Narberth, Pa.
Application October 3, 1942, Serial No. 460,635
4 Claims. (Cl. 88—39)



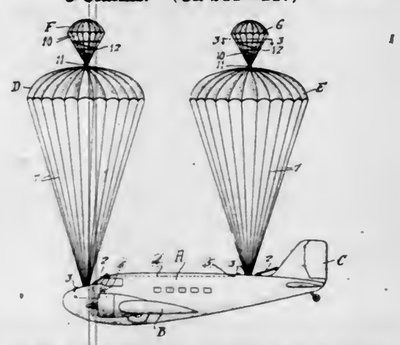
1. A microscope of the class described comprising a base, a lens supporting tube hinged thereto for movement from non-operative position alongside the base to operative position in substantial prolongation thereof, said base having an aperture axially aligned with the tube when in the last mentioned position, an electric lamp proximate the aperture, a battery for energizing the lamp, and switch means including an element cooperative with the tube when the latter is in operative position, a movable contact plate having a portion projecting through the aperture and a plunger interposed between the plate and element whereby when the tube is in operative position in engagement with the element and the plate is moved so as to bring its projecting portion substantially flush with the outer face of the base the plunger actuates the element to complete a circuit including the battery and lamp to energize the latter.

2,352,720
GLUING MECHANISM FOR BOX-MAKING MACHINES
Cutler D. Knowlton, Rockport, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Application June 20, 1942, Serial No. 447,843
18 Claims. (Cl. 91—49)



18. In a machine for applying adhesive to box-blanks, a container for adhesive, an adhesive applying roll rotatable in the container about a vertical axis, and a block having an arcuate surface engaging the surface of the roll and providing a support for said roll against laterally applied pressure, the block having a passage through which adhesive is delivered to the roll.

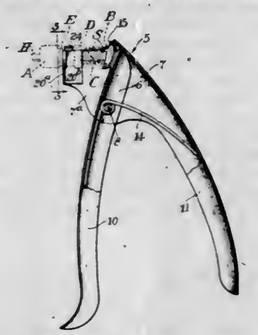
2,352,721
PARACHUTE AND AUTOMATIC OPENING DEVICE THEREFOR
Peter Krahel, Newark, N. J.
Application May 15, 1941, Serial No. 393,506
3 Claims. (Cl. 244—147)



1. Parachute equipment comprising a container having a parachute therein and a closure including overlapping closure flaps formed with registering openings, releasable means for holding said flaps in closed position and including a prong slidably threaded through said openings and a rip cord connected to said prong, a harness for mounting said container on a person, means connecting said container to said harness to permit free swinging of said container normally upwardly and outwardly and rearwardly from the person, said rip cord extending forwardly and between the legs of the person, and a loop on the front of said harness through which said rip cord is slidable, said rip cord having a handle at the side of said loop opposite said prong and incapable of passing through said loop, whereby said cord is connected to harness with said closure flaps normally held closed by said releasable holding means so that the person may pull said cord to slide said prong out of said openings to permit opening of said closure or said prong will be pulled from said openings by tension exerted upon said rip cord upon movement of said container relatively to said person during falling of the latter.

2,352,722
CLAMP APPLYING TOOL
Elmer L. Lipp, Glendale, Calif., assignor, by mesne assignments, to Herman H. Helbush, Beverly Hills, Calif.
Application October 19, 1942, Serial No. 462,542
1 Claim. (Cl. 29—84)

A tool adapted for holding and compressing a resilient clamp, comprising a clamp retaining jaw presenting side walls defining the sides of a clamp receiving cradle, an end wall extending between the side walls, a laterally opening U-shaped recess in the end wall providing an abutment for limiting longitudinal movement of the clamp with respect to the cradle, a laterally projecting ear carried by one side wall in position partially overhanging the cradle adjacent the end wall whereby to prevent lateral escape of the clamp from the cradle, and a second jaw



pivotally carried by the first-mentioned jaw for engaging and compressing a clamp carried in the cradle.

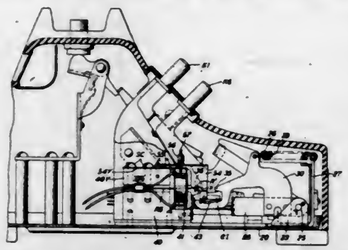
2,352,723
CALL TRANSMITTER
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 8, 1941, Serial No. 405,897
3 Claims. (Cl. 179—90)

1. In a call transmitter, a set of keys, vibrative elements, operable means controlled by the operation of said keys and having retractile springs for normally tensioning said elements, an operable common latching member for said elements, another operable means movable independently of the first-mentioned operable means by the operation of any one of the key members and having a retractile spring for moving said common latching member in position for retaining said elements tensioned upon a predetermined manual movement of said keys and means carried by the first mentioned operable means for actuating said latching member upon the continued operation of said keys and the disengagement of the second-mentioned operable means from said latching member for releasing said elements to cause their vibration.

2,352,724
CALL TRANSMITTER
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application March 22, 1940, Serial No. 325,347. Divided and this application February 28, 1942, Serial No. 432,787
1 Claim. (Cl. 177—380)

In a call transmitter, a set of key members, a shaft for pivoting said key members, a plurality of U-shaped bars disposed transversely of said

key members and having their arms pivoted on said shaft, spring means for yieldably holding said key members in normal non-operative position, means carried by said key members for engaging said bars for actuating them in a plurality of predetermined combinations, an arm carried by each of said U-shaped bars, spring means attached to said arm for yieldably holding said bars in engaged relation with the means carried by said key members, an alternating current generator having a plurality of vibrative elements, said arms having portions for engaging said elements for tensioning them, brackets mounted on said generator, a pawl-like member



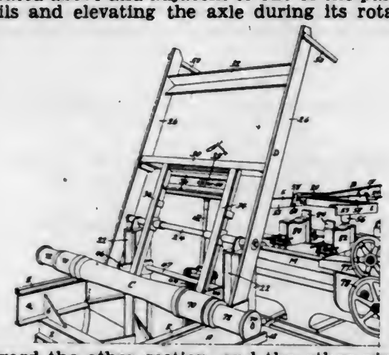
pivoted on each of said brackets one for each of said elements, means for adjustably moving said brackets for locating said pawl-like members in the paths of said elements when in their tensioned positions, means carried by said arms for engaging said pawl-like members during the operation of said key members for moving them out of engaged relation with said vibrative elements for permitting the operation of a number of the latter in one of said combinations, and a spring mounted on each of said arms for moving said pawl-like members into engageable relation with said vibrative elements following the tensioning thereof by the movement of the operated key to normal unoperated position.

2,352,725
SHAPED PRODUCT
William H. Markwood, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 4, 1941, Serial No. 417,807
13 Claims. (Cl. 18—48)

2. A shaped body composed of a synthetic linear polyamide, said body having a pearlescent effect due to the presence of minute elongated voids, said polyamide comprising essentially the reaction product of a linear polymer-forming composition which comprises a substantial amount of reacting material selected from at least one of the groups consisting of (a) monoamino carboxylic acids and (b) mixtures of diamine with dibasic carboxylic acid.

2,352,726
WORK HANDLING MECHANISM
Arthur W. Maulding, Chicago, Ill., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application August 19, 1942, Serial No. 455,304
7 Claims. (Cl. 214—1)

1. In an axle handling mechanism of the character described including spaced apart pairs of rails along which the axles may roll, a pair of pivoted sections interposed in the space between the pairs of rails and bridging a machine for operating on the axles and located in the space, one of said pivoted sections rotating about a pivot located above and adjacent to one of the pairs of rails and elevating the axle during its rotation



toward the other section, and the other pivoted section receiving the axle from said one section and lowering it into position in the machine, said axle rolling by gravity along said other pivoted section toward said one pivoted section during lowering into position in the machine.

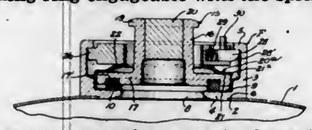
2,352,727
SAFETY WINDSHIELD AND MOUNTING
Hugh C. McMahon, Washington, D. C.
Application December 15, 1942, Serial No. 469,099
1 Claim. (Cl. 296—84)



In combination with a vehicle body recessed to form a lateral seat and constituting a mounting, a windshield including a frame normally positioned in said mounting, a shock-absorbing and cushion means secured on said seat, cushion means secured to the inner face of said frame for frictional contact engagement with said first mentioned cushion means to prevent vibration of said frame, a plurality of retaining devices comprising hinged spring control outwardly yieldable roller members tensioned on the outer surface of opposite sides of the frame and including hinged anchor means secured to said vehicle body, whereby said tensioned rollers are adapted to normally maintain said frame seated and said cushion means in frictional contact to prevent vibration of the frame, and yieldably operable when force is applied to said windshield from within the body to release the windshield from its mounting and partially or completely from said devices depending upon the force exerted.

2,352,728
CONTAINER
Herman Merker and Howard L. Newton, Milwaukee, Wis., assignors to Pressed Steel Tank Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 25, 1942, Serial No. 452,280
6 Claims. (Cl. 217—113)

1. A barrel having an opening, a barrel fitting for the opening provided with a gasket seat, a tap fitting positionable within the barrel fitting and having a base ring overlying the seat, a gasket interposed between the base ring and the seat, a spring pressure plate engageable with the base ring of the tap fitting, a combined pressure plate and locking ring engageable with the spring pres-



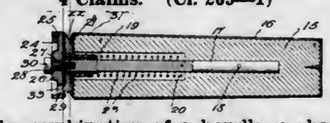
sure plate to cause the same to force the base ring of the tap ring into compressing and sealing engagement with the gasket and thereby effect a hermetic seal, and releasable means for locking the combined presser plate and locking ring in the position wherein it effects the hermetic seal.

2,352,729
LENS MOUNTING
Reinhardt Frederick Metzger, Glendale, Long Island, N. Y.
Application December 28, 1940, Serial No. 372,029
6 Claims. (Cl. 88—47)



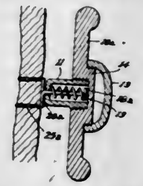
1. A lens mounting frame of the class described, comprising two U-shaped frame parts, each part having a terminal end, each terminal end comprising an outer wall adapted to be arranged upon the peripheral edge of a lens and a side wall adapted to be arranged upon one side surface of a lens, a bridge coupling and spacing adjacent ends of the frame parts, a lens yieldably clamped within each frame part, the outer wall of each terminal end having inwardly projecting members spaced from said side wall and of a thickness less than the thickness of the peripheral edge of the lens and extending in the direction of and arranged perpendicularly to the lens edge, said lenses having in the periphery thereof recesses conforming to the contour of said projections, said recesses being of a width less than the thickness of the lenses and correspondingly spaced from said side walls for snugly receiving said projections in retaining the lenses against displacement from said frame parts, and said projections and recesses being arranged longitudinally of the edges of the lenses, thereby forming means preventing relative twisting of said frame parts and lenses.

2,352,730
TOOL FOR STRINGING TENNIS RACKETS
Benjamin F. Miessner, Morristown, N. J.
Application March 31, 1943, Serial No. 481,257
4 Claims. (Cl. 265—1)



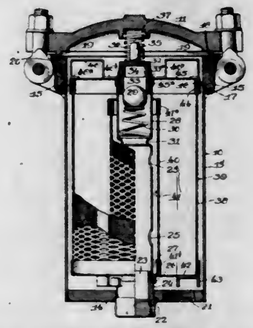
4. The combination of a handle, a sheave rotatably mounted on said handle in external relation thereto and arranged to be rotatively displaced on its axis by a force applied tangentially to said sheave, a torsion spring carried by said handle effective on said sheave in opposition to said force, and indicating means combined with said sheave for indicating said rotative displacement of said sheave in predetermined units of measurement.

2,352,731
BUTTON
Claremont Robert Morris, New York, N. Y.
Application January 29, 1942, Serial No. 428,658
5 Claims. (Cl. 24—113)



2. A button comprising a body member the periphery whereof forms the outer contour of the button, and a hollow shank member, said shank member having external screw threads at its forward end and an external shoulder at its rearward end adapted to engage against a garment to which the button is attached and facing away from the threaded end, said shank providing an intervening portion between said threads and shoulder protruding behind the body member for spacing the body member from the garment to which attached and for passing through a buttonhole of the garment, said body member being socketed and internally threaded in said socket for mounting said body member removably on said shank member, said members having cooperating stops for limiting insertion of the shank member into the body member and maintaining said intervening portion of said shank exterior to and behind the body member toward the garment, and elongated means protruding behind said shoulder and having a transverse portion for retention by the garment, whereby said button provides a portion secured to the garment, said button also providing a character-changing portion adapted to be disattached and replaced with respect to the garment-attached portion.

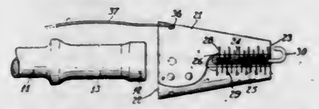
2,352,732
PRESSURE FILTER
Corliss D. Nugent, Chicago, Ill.
Application April 3, 1942, Serial No. 437,493
4 Claims. (Cl. 210—131)



4. A filter cartridge for use in a pressure filter, comprising an outer apertured shell having a fixed bottom wall, a centrally disposed apertured tube depending through and fixed to said bottom wall, said tube having a flared bottom end, an inner apertured shell concentric with said tube and fitting thereon, a cap enclosing the top of said cartridge, said tube being formed with a

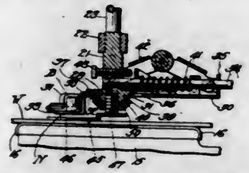
reduced portion intermediate its ends, by-pass valve mechanism in said tube comprising a plug threaded directly in the top of said tube and extending upwardly through said cap, said plug being provided with a passageway therethrough opening above said cap, a valve closure member in said tube, and a coil spring seated on said reduced portion in said tube and normally urging said valve closure member into engagement with the lower end of said plug to close said passageway.

2,352,733
COLLAR FOR RIVETING HEADS
Frederick William Ottmer, Union City, N. J.
Application January 9, 1943, Serial No. 471,915
4 Claims. (Cl. 78—46)



1. A collar for a riveting head having a reduced neck, comprising a substantially frustoconical annular member of flexible material having a smaller diameter smaller than the diameter of the riveting head, and a larger diameter, larger than the diameter of the riveting head, a slot part way through the side of the annular member at the smaller end thereof, a series of loops fastened to both edges of the slot and extending beyond the edges thereof so that the loops overlap, a pin adapted to engage the overlapping loops thereby securely holding the edges of the slot together when the collar is secured in place on the neck of the riveting head.

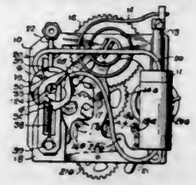
2,352,734
BUTTON SEWING MACHINE
Franklin A. Reece, Brookline, Mass.
Application May 19, 1943, Serial No. 487,559
4 Claims. (Cl. 112—114)



1. In a button sewing machine having sewing instrumentalities and a work plate, a combined work clamping and button holding assembly and means for moving the same toward said work plate to clamp the work thereon, said assembly comprising button holding means, a work engaging presser foot, and means for adjustably connecting said presser foot with said button holding means whereby to vary the spacing of a button held by said holding means from work clamped on said work plate by said presser foot.

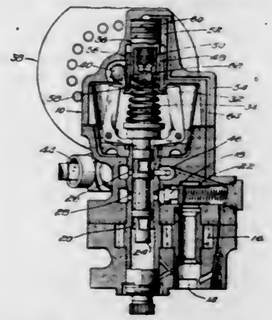
2,352,735
LOGOMETER
William R. Reynolds, Dallas, Tex., assignor of one-half to H. L. Williford, Dallas, Tex.
Application March 13, 1941, Serial No. 383,186
5 Claims. (Cl. 161—15)

1. An instrument for measuring the actual operating periods of an internal combustion engine, including an escapement controlled clock mechanism and a register actuated thereby, a pneumatic piston operating in a cylinder, a spring supplying the force for operating said clock mechanism and whose energy is periodically restored by movements of said piston, a valve mechanism



comprised of a manifold body having ports communicating with said cylinder and an interchanger actuated by said clock mechanism for periodically reversing said ports to control the movements of said piston.

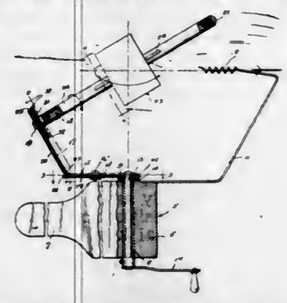
2,352,736
AUTOMATIC RESETTING DEVICE FOR GOVERNORS
Nelson R. Richmond, Thompsonville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 2, 1940, Serial No. 359,370
4 Claims. (Cl. 264—3)



1. In a governor having a speeder spring and having a valve for admitting hydraulic fluid to an apparatus to be governed, a two part spring abutment for adjusting the speeder spring, mechanically actuated means for operating one part of said abutment, and hydraulically actuated means for operating the other part of said abutment, the adjustment of said first part determining the limit of movement of said other part, said hydraulically actuated means being connected with the supply line between said valve and said apparatus so that when said valve is moved to admit fluid to said apparatus, fluid is admitted to said hydraulic means.

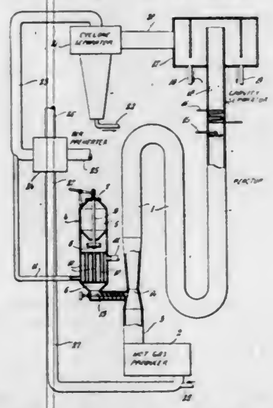
2,352,737
REELING DEVICE
Calvin S. Roosa, West Englewood, N. J.
Application July 21, 1943, Serial No. 495,632
4 Claims. (Cl. 242—2)

1. In a reeling device, a portable support, a shaft journaled in said support, means for the rotation of said shaft, a bracket secured to the shaft, a spindle secured to said bracket and supported thereby to cross axis of rotation of said shaft at an inclination to said shaft, a sleeve journaled on said spindle, a core removably secured to said sleeve for the winding of material thereon, and means for rotatng said sleeve in a step by step



movement about said spindle during the movement of the latter with the bracket about the axis of rotation of the shaft.

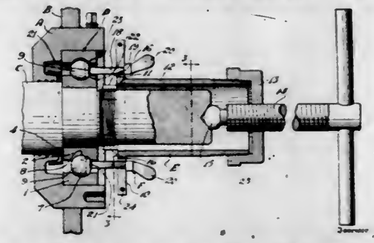
2,352,738
MANUFACTURE OF ALKALI METAL SILICATES
Robert F. Ruthruff, Chicago, Ill.
Application January 15, 1940, Serial No. 313,900
5 Claims. (Cl. 23—110)



1. In the manufacture of alkali metal silicates, the steps including, suspending particles comprising aggregates of an alkali metal compound and a siliceous material in a moving stream of heated gas wherein said particles are subjected to reaction conditions to effect the formation of molten particles of alkali metal silicates, cooling the resulting suspension to solidify said particles of alkali metal silicates and separating said solidified particles of alkali metal silicates from said gas stream.

2,352,739
BALL-BEARING PULLER
Arthur W. Sauer, Bloomfield, N. J., assignor to Star Electric Motor Company, Bloomfield, N. J., a corporation of New Jersey
Application June 4, 1943, Serial No. 489,607
3 Claims. (Cl. 29—35)

1. A ball bearing puller comprising a support having an opening to slidably receive one end portion of a shaft and being provided with a plurality of radial slots, a puller arm for each slot including a shank which is longitudinally slidable through said slot and has an elongate substantially flat head located at one side of said support to simultaneously engage the raceways of both the inner and the outer race rings of a ball bearing, said shank having a shoulder at the other side of said support to abut the latter, the transverse dimension of each puller arm in the direction of the corresponding slot being less than the length of the slot so that said puller arm may move laterally of itself and lengthwise of said slot, said head of each puller arm comprising two portions of different lengths which extend in opposite directions laterally from said



shank and have convex surfaces facing toward said shoulder to engage the curved surfaces of such raceways, the thickness and width of said head being such that the head may lie between two adjacent balls in such raceways and between the median plane and one side of the raceways, said head of each puller arm being adapted to be inserted between such race rings upon tilting of said puller arm in one direction in the plane of said slot and thereafter to abut such raceways upon tilting the puller arm in the opposite direction, and means mounted in said support to engage a fixed abutment and exert tension on said puller arms when the latter are connected to such ball bearing.

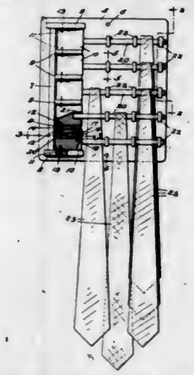
2,352,740
METHOD OF IMPREGNATING BAMBOO WITH SYNTHETIC RESIN
Harvey D. Shannon, Westfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 14, 1940, Serial No. 335,137
4 Claims. (Cl. 117—59)

1. Method of impregnating bamboo containing cells and membraneous cell walls with a synthetic resin of the group consisting of phenolic aldehyde resins and urea aldehyde resins, which comprises soaking the bamboo in water until the cells and cell walls are impregnated with water and thereafter, without substantial drying of the bamboo, soaking it in a watery solution comprising the synthetic resin until the cells and cell walls are impregnated with the resin, and insolubilizing the resin and depositing it within and around the cells and cell walls.

2,352,741
HOLDER FOR NECKTIES OR THE LIKE
Leslie K. Singley, Hendersonville, N. C.
Application August 7, 1943, Serial No. 497,829
3 Claims. (Cl. 211—97)

2. A combined rack and press for neckties or the like, comprising a generally vertical base, a plurality of superposed carriers arranged upon the front face of the base, each carrier having a recess formed upon its rear face and extending through its outer end, means to pivotally mount

each carrier upon the base to swing generally horizontally with relation thereto, a spring extending into the recess, means to attach one end of the spring to the carrier at a point spaced longitudinally from the pivotal means and out



of alignment with the pivotal means in a direction longitudinally of the carrier, means to attach the spring to the base, a stop element secured to the base to engage the carrier when swung to the open position, and a generally horizontal arm secured to each carrier.

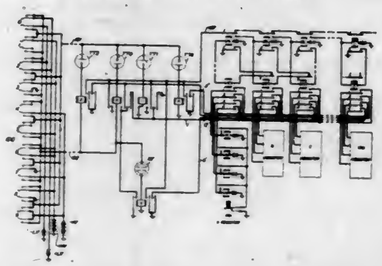
2,352,742

PULSE REGISTER CIRCUIT

Robert O. Soffel, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 28, 1941, Serial No. 400,235

2 Claims. (Cl. 177—353)



1. In a key pulsing telephone system, the combination with a key-set including a number of individual keys, three conductors and a plurality of sources of potential, of a registering device comprising five gaseous tubes of which four are unidirectional and conduct current in one direction upon being rendered conducting and the fifth is bidirectional and conducts current in either direction upon being rendered conducting, a non-polarized relay for each said tube, one pair of said unidirectional tubes having their respective anodes connected to the first of said three conductors and their respective cathodes to one side of their respective relays, the other side of said relays being connected to the second and third of said three conductors respectively, the other pair of said unidirectional tubes having their respective cathodes connected to the first of said three conductors and their respective anodes to one side of their respective relays, the other side of said relays being connected to the second and third conductors respectively, said fifth tube having one of its electrodes connected to the second conductor and the other of its electrodes to one side of its associated relay, the other side of said relay being connected to the third of said three conductors, and means controlled by the operation of each of said individual keys of said key-set for selectively applying said potentials with required polarity between said first and second conductor and with required intensity between said second and third conductor to selectively render said tubes conducting whereby their respectively associated relays will operate to register the designation characterized by the operated individual key.

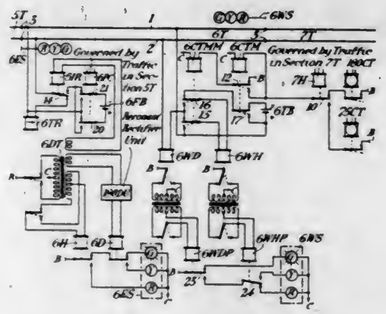
2,352,743

CODED SIGNALING SYSTEM

Crawford E. Staples and Herman G. Blosser, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 14, 1943, Serial No. 494,618

10 Claims. (Cl. 246—38)



1. In a coded signaling system, in combination, a pair of conductors extending between a first and a second location, a first and a second polarized detector relay at said first location, a coding device having contacts continuously actuated between a first and a second position, the contacts of said coding device being effective when in their first position to connect a source of unidirectional energy across said conductors through the windings of said detector relays so that energy supplied from said source to the conductors moves the contacts of both detector relays to their normal position, the contacts of said coding device being effective when in their second position to connect said detector relays across said conductors in such manner that the contacts of one of said relays are moved to their reverse position by energy of one polarity and so that the contacts of the other of said relays are moved to their reverse position by energy of the other polarity, a code following relay at said second location operated by energy supplied over said conductors from said first location, means at said second location for supplying to said conductors during the intervals between the impulses of energy supplied to said conductors at the first location energy which at times is of one polarity and at other times is of the other polarity, signaling means governed by said code following relay, and signaling means governed by said detector relays.

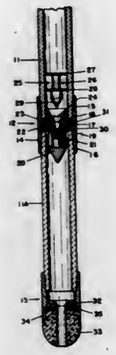
2,352,744

CEMENTING AND FLOATING EQUIPMENT FOR WELL CASING

Albert D. Stoddard, Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.

Application April 14, 1941, Serial No. 388,471

2 Claims. (Cl. 166—1)



1. Apparatus for cementing casing in wells comprising, in combination, a float valve assembly, a bottom cementing plug and a top cementing plug, said float valve assembly including a ring secured in the casing and having a seat on its upper surface adapted to receive said top plug, an apertured inner member having a seat on its upper surface around the aperture therein adapted to receive said bottom plug, shearable means securing said inner member to said ring and a valve body adapted to seat on the lower surface of said inner member to close the aperture therein, the arrangement being such that fluid beneath said cementing plugs may flow downward but not upward through the casing until said bottom plug seats on said inner member, after which hydraulic pressure exerted on said bottom plug may shear said securing means and cause the bottom plug, said inner member and valve body to pass on down in said casing, leaving said ring open and unobstructed until the top plug comes to rest thereon.

2,352,745

HALOGENATED ETHERS

Walter J. Toussaint, South Charleston, W. Va., and Louis G. MacDowell, Jr., Lakeland, Fla., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application March 2, 1943

Serial No. 477,764

7 Claims. (Cl. 260—615)

1. Method of making halogenated ethers by splitting carbon-to-oxygen-to-carbon linkages in open chain aliphatic compounds containing more than two such linkages to form halogenated ethers containing fewer ether linkages than the number of carbon-to-oxygen-to-carbon linkages in said aliphatic compounds, which comprises causing halogen and an unsaturated hydrocarbon to react with said aliphatic compounds and separating said halogenated ethers from the products of reaction.

2,352,746

INSECT REPELLENT

Ludwig W. Wasum, Jenkintown, Pa., assignor to Kessler Chemical Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application May 8, 1943, Serial No. 486,249

3 Claims. (Cl. 167—30)

1. An insect repellent comprising cyclohexyl 2-ethyl hexoate.

2,352,747

COATING PROCESS

William Whitehead, Rye, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application August 9, 1941, Serial No. 406,181.

6 Claims. (Cl. 117—144)

3. Process for preparing a fabric having a strongly adherent coating thereon, which comprises applying a coating composition having a basis of a film-forming derivative of cellulose to a fabric prepared from continuous filament regenerated cellulose yarns prepared by the saponification of stretched yarns having a basis of an organic ester of cellulose, and containing a plasticizer for the derivative of cellulose of said coating composition, selected from the group consisting of the dimethyl ether of ethylene glycol phthalate, dimethyl phthalate, ethyl phthalyl ethyl glycollate, triethylene glycol, triacetin, tripropionin, mono-ethyl-p-toluene sulfonamide, triphenyl phosphate, tricresyl phosphate, diethyl phthalate, dimethoxy ethyl phthalate, dibutyl tartrate, camphor and dibutyl phthalate, said coating composition shrinking upon drying to cause a shrinkage of said fabric.

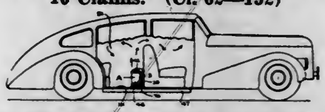
2,352,748

COOLING AIR CONDITIONER

Frank A. Whiteley, Minneapolis, Minn.

Application August 30, 1943, Serial No. 500,729

10 Claims. (Cl. 62—152)



1. A cooling air conditioner, comprising a small compact casing adapted to be positioned upon the floor of an automobile, a tank formed within and supported by the casing and having its walls spaced from the walls of the casing to form a set of passageways about the tank, said tank being adapted to hold a body of water contacting the insides of the tank walls of said passageways, means mounted in the casing for exhausting air from said tank and discharging it through the automobile floor to cause the water therein to vaporize rapidly and thereby to effect cooling thereof and of the external surfaces of said tank walls, and means in the casing to cause the air to enter the passageway from under the tank and to be discharged from the passageway and casing over the top of the casing.

2,352,749

APPARATUS FOR APPLYING PLASTIC COATINGS

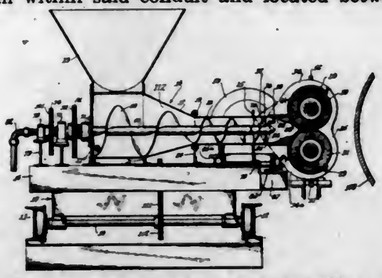
Barton Wills, East Orange, N. J., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey

Application September 9, 1942, Serial No. 457,774

16 Claims. (Cl. 91—44)

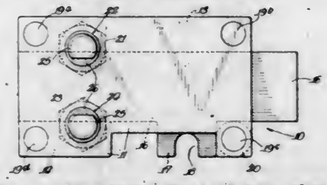
8. In apparatus for applying a plastic coating, the combination comprising a conduit for

conveying plastic material, a pair of rotary impelling elements located at the discharge end of said conduit for receiving plastic material therefrom, means for actuating said rotary impelling elements, a worm for advancing plastic material through said conduit and in the direction of said rotary impelling elements, said worm being hollow through its center, means for supporting said worm exteriorly of said conduit, a second worm within said conduit and located between



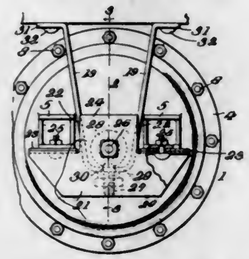
said first worm and said rotary impelling elements, said second worm being carried by a shaft extending through the center hollow of said first mentioned worm, said shaft being hollow and having openings at its free end, means having connection with said hollow shaft for introducing fluid material therein for delivery to and projection from said openings, means for supporting said shaft exteriorly of said conduit, and means for driving said first mentioned worm and said hollow shaft.

2,352,750
LOCK FOR LOCKING MANHOLE AND VAULT COVERS
Irwin H. Witt, Blue Island, Ill.
Application May 14, 1942, Serial No. 442,982
4 Claims. (Cl. 70—168)



1. The combination with a closure element of a lock comprising a casing, fastening means for securing said casing to said closure element and accessible only from the inside of said closure element, a passageway of substantially rectangular cross section through said casing, a bolt sliding within said passageway, there being a plurality of threaded holes through said casing, the bore of each of said threaded holes passing partially through the edges of said passageway, arcuate notches in the edges of said bolt which notches complement the bores of said threaded holes when said bolt is positioned for being locked, a plurality of threaded locking screws having heads, said closure element having openings receiving said heads whereby the latter may be positioned to lie within the exterior surface of said closure element, said screws fitting into said threaded holes and being adapted to engage the arcuate notches of said bolt when said bolt is in position for being locked, a cut out portion on the side of each screw shank which cut out portions complement the rectangular passageway when said screws are threaded into unlocking position and thus permit the bolt to slide freely through said passageway, said cut out portions being spaced in the shanks of said screws relative to the heads thereof so that when the latter are disposed in said openings said screws are positioned for engaging the arcuate notches of said bolt, an operating lug on said bolt, and a hole in said closure element above said lug to provide access to said bolt.

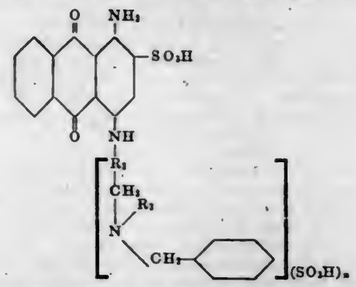
2,352,751
FLUID RESERVOIR
William S. Wright, Newark, Ohio
Application February 3, 1943, Serial No. 474,573
7 Claims. (Cl. 303—1)



3. In an assembly for air brakes, a multi chambered reservoir, a multiplicity of spaced lugs projecting from each end of said reservoir, a pair of spaced hangers, one of said hangers engaging the lugs on one end of the reservoir for supporting that end, an independent carrying member, and spaced means on said independent carrying member engaging the lugs on the other end of the reservoir for supporting said other end, and means for connecting said carrying member to the other of said hangers at a point midway said spaced means and midway said last mentioned lugs to pivotally suspend said other end of said reservoir at one point.

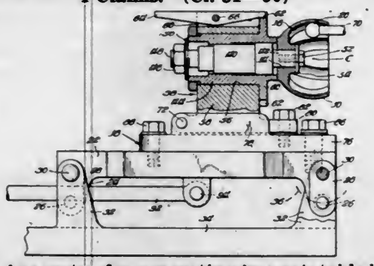
2,352,752
ACID WOOL DYESTUFFS
Werner Zerweck and Ernst Heinrich, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 29, 1941, Serial No. 395,787. In Germany December 18, 1940
2 Claims. (Cl. 260—374)

1. Acid wool dyestuffs of the general formula:



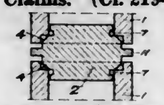
wherein R_2 stands for a phenylene radical, R_3 for a member of the group consisting of alkyl, cyclohexyl and benzyl radicals and n for a number from 1 to 4.

2,352,753
METHOD OF AND APPARATUS FOR GENERATING ARCUATE RACEWAYS
Edmund B. Anderson, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application September 21, 1940, Serial No. 357,740
4 Claims. (Cl. 51—90)



3. Apparatus for generating in a rotatable body having a center disposed on its axis of rotation, a plurality of circumferentially separated longitudinally arcuate grooves lying in planes intersecting said axis at an acute angle thereto at the center, comprising a tool, a workholder on which the body may be indexed to present circumferentially spaced portions thereof to the tool, means on which said workholder is mounted for swinging movement such as to cause the body to describe a path of movement against the tool by which the desired longitudinal contour of the groove will be developed, said workholder being disposed with reference to said mounting means with the axis of indexing movement at an acute angle to a plane of swinging movement of any point in said axis.

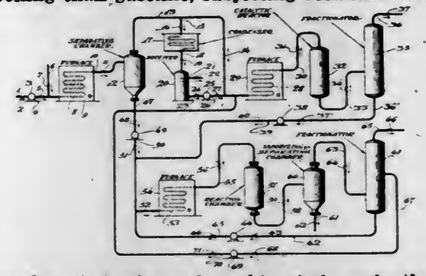
2,352,754
METHOD OF JOINING WORKPIECES BY MEANS OF RESISTANCE WELDING
Bror Anderson, Saltsjo-Duvnas, and Hans Wängsjö, Stockholm, Sweden, assignors to Aktiebolaget Asea Svetsmaskiner, Stockholm, Sweden, a corporation of Sweden
Application May 31, 1941, Serial No. 396,204
In Sweden June 29, 1940
11 Claims. (Cl. 219—10)



4. For use in electric welding a pair of generally complementary metal work pieces each having a pair of surfaces spaced stepwise with a ledge therebetween, one of said work pieces having a groove therein adjacent one edge of the ledge for receiving metal connected to the other work piece when said surfaces are slid relative to one another so as to press said ledges tightly together during welding, the surfaces being substantially parallel, the ledge on the work piece having a groove being bevelled, the other ledge being perpendicular to said surfaces.

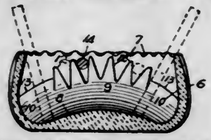
2,352,755
HYDROCARBON CONVERSION
Jerry McAfee, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 27, 1941, Serial No. 416,622
5 Claims. (Cl. 196—49)

1. A process for the conversion of hydrocarbon oil which comprises subjecting said oil to a relatively mild thermal cracking, separating the resultant conversion products into vapors and residue, subjecting said vapors, including all of those boiling below the initial boiling point of said oil, to catalytic cracking, fractionating resultant vaporous conversion products independently of said vapors to condense and separate fractions higher boiling than gasoline, subjecting resultant reflux



condensate to thermal cracking independently of said oil, independently fractionating resultant thermally cracked vaporous conversion products to condense and separate a light reflux condensate and a heavier reflux condensate, supplying the latter to the last mentioned thermal cracking step and supplying light reflux condensate to the catalytic cracking step.

2,352,756
ASH TRAY
Harry M. Anholt, Denver, Colo.
Application March 24, 1941, Serial No. 384,873
3 Claims. (Cl. 131—240)



3. An ash tray having a concave interior surface and a convex exterior surface merging at their upper edges to form a narrow, circular, substantially-tapered peripheral edge, and a partition in a plane coincident with a diameter of the tapered edge, said partition having its upper edge of arcuate form, wherein the arc would intersect the inner surface of the tray below the tapered edge thereof, if extended thereto, the partition having tapered recess formations of a depth greater than the diameter of a cigarette, each of the recess formations having gripping surfaces and being a distance not less than one-half the length of a standard size cigarette from the upper edge of the tray, the bottoms of said recesses constituting portions of an arc having substantially concentric relation to the upper arc, whereby all the cigarette-supporting surfaces of the recessed areas will be a substantial distance below the level of the tapered edge so that a cigarette placed in any recess and also supported on the tapered edge will be inclined downwardly within the tray, and if dislodged by itself from a recess will always fall within the tray.

2,352,757
CONTINUOUS-FORM STATIONERY
Gregson L. Barker, Chicago, Ill., assignor to United Autographic Register Co., Chicago, Ill., a corporation of Illinois
Application May 17, 1943, Serial No. 487,259
3 Claims. (Cl. 282—11.5)

3. Continuous-form stationery comprising; a plurality of superposed strips of record forms

provided with detachable marginal portions having feeding apertures at regularly spaced intervals, said strips being interlocked together by tongues which are partially cut from the detachable marginal portions and reversely folded and



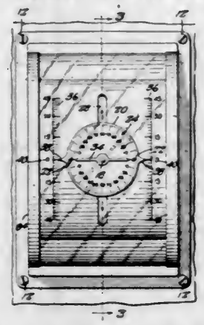
projected through adjacent superposed slots in all of said record forms, said tongues being disposed entirely between said feeding apertures, and the openings left by said tongues being positioned to serve as regularly spaced feeding apertures.

2,352,758

AIRCRAFT INCLINATION INDICATOR

Harry F. Bauknecht, Ridgewood, N. J.

Application July 13, 1943, Serial No. 494,536
5 Claims. (Cl. 33—215)



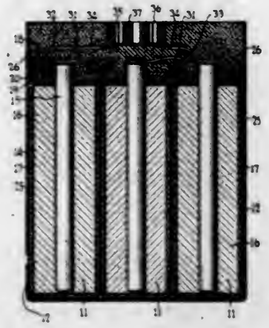
1. An instrument for indicating deviation of an aircraft from the horizontal comprising a support fixed to the aircraft, a first dial fixedly related to the support and having a vertical slot and a first scale thereon, a second dial having a body slidable in said slot and provided with a second scale, a pivoted arm rotatably supported in said body and having a first pointer coacting with said second scale, said second dial having a pointer coacting with said first scale, a gear fixed to said arm for oscillating the latter longitudinally of said slot, a pendulum gear means operatively connected with said first gear to impart rotation thereto when the plane is in an incline or decline to shift said second dial and its pointer relatively to said first scale, and means rotatably supporting said first gear and said pendulum gear means for rotation about an axis at right angles to the axis of said arm to rotate the arm and said first pointer relatively to said second scale to indicate inclination of the aircraft when in a bank.

2,352,759

ELECTRICAL BATTERY

Jasper Baum, Bronx, N. Y., assignor to Sonotone Corporation, Elmsford, N. Y., a corporation of New York

Application October 15, 1942, Serial No. 462,139
2 Claims. (Cl. 136—133)



1. In a battery of a hearing aid worn in the clothing of the user or the like, a battery casing open at the top, a primary cell located within said casing, a portion of the exterior of said cell constituting a substantially solid container enclosing its interior, a unitary upwardly-opening elastically-yieldable bag of liquid-tight material surrounding the bottom and side walls of the cell container and substantially clinging to the side walls thereof, the top portion of said bag extending substantially above the top of said container and having an opening bounded by a thickened border portion located below the upper level of said casing, a body of hardened liquid-tight sealing compound enclosing said casing opening and said bag opening so as to seal the upper end of said casing and bag and form a sealing wall maintaining interlocking clamping engagement with the inner and outer sides of the thickened upper border portion of said bag, and terminal elements fixedly held by said sealing compound within the top of said casing and interconnected to the electrodes of said cell, said cell and the surrounding bag being so arranged and shaped and so sealed by said compound within said casing as to intercept within said bag liquid and gases expelled from any portion throughout the height and the top of the cell and to prevent expelled liquid from reaching the walls of said casing, the thickened border portion of said bag being of such shape and its interlocking engagement with said sealing wall being sufficiently strong as to prevent said thickened border portion from being pulled out of said interlocking engagement with said sealing wall by the pressure of fluid expelled into said bag.

2,352,760

ANTIKNOCK COMPOUND AND MOTOR FUEL CONTAINING SAME

Richmond T. Bell, Deerfield, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application October 15, 1941, Serial No. 415,066
18 Claims. (Cl. 44—66)

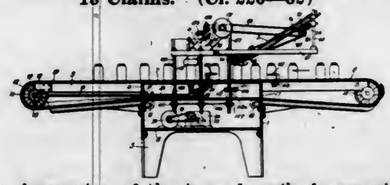
1. A motor fuel comprising a major portion of hydrocarbons boiling within gasoline boiling range and a minor portion of the reaction product obtained by reacting a phosphatide with a polymeric metal carbonyl within the temperature range of approximately 150°–240° F. in the absence of oxygen.

2,352,761

APPARATUS FOR SEALING CONTAINERS

William D. Bell, Columbus, Ohio, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware

Application April 8, 1939, Serial No. 266,913
18 Claims. (Cl. 226—82)



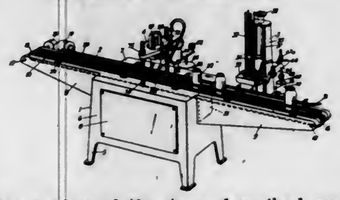
1. Apparatus of the type described comprising a conveyor for supporting containers, means for continuously moving the conveyor, means associated with the conveyor for centering the containers transversely of the conveyor, a cap-applying means disposed in superimposed relationship to the conveyor substantially midway between the side edges thereof for positioning caps loosely on the containers as they are moved therebeneath, means associated with the conveyor for uniformly spacing the containers previously disposed on the conveyor as they are moved along, and a sealing head unit disposed in superimposed relationship to said conveyor, said sealing head unit embodying a sealing head proper having steam jets associated therewith which will lift the caps from the containers and will simultaneously inject steam into the upper ends of the containers, and means for moving the sealing head downwardly to force the caps into position on the containers during movement of the containers by the conveyor.

2,352,762

APPARATUS FOR SEALING CONTAINERS

William D. Bell, Columbus, Ohio, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware

Application April 8, 1939, Serial No. 266,914
19 Claims. (Cl. 226—82)



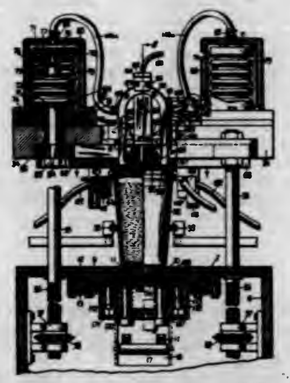
17. Apparatus of the type described comprising a conveyer for supporting containers which have caps loosely applied to the upper ends thereof, a sealing head disposed in superimposed relationship to said conveyer, means associated with the sealing head for holding a cap lifted from the upper edge of the container in raised position, means associated with the sealing head for engaging the cap and lifting it slightly therefrom before said last-named means acts on the cap, means for injecting steam into the upper end of the container while the cap is spaced therefrom, and means for moving the container and the sealing head relative to each other to force the cap on the container.

2,352,763

APPARATUS FOR SEALING CONTAINERS

William D. Bell, Columbus, Ohio, assignor to Anchor-Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware

Application January 17, 1940, Serial No. 314,299
21 Claims. (Cl. 226—82)



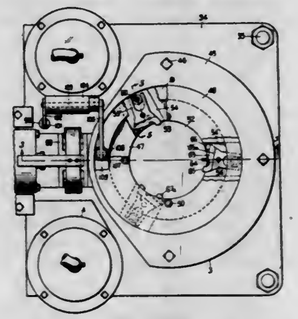
1. Apparatus for closing and sealing open-mouth containers which comprises a continuously moving conveyor for moving containers which have skirted caps loosely applied to the mouths thereof, means for lifting the cap from each container in such a manner that the skirt will still surround the end thereof and the cap will be moved along with the container by contact of the container with the skirt, means for forcing steam between the cap and the upper end of the container, steam-actuated means for sealing the cap on the container, and means for interrupting movement of the container with the conveyor during the sealing operation.

2,352,764

CAP-FEEDING APPARATUS

William D. Bell, Columbus, Ohio, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware

Original application January 17, 1940, Serial No. 314,299. Divided and this application May 19, 1941, Serial No. 394,065
4 Claims. (Cl. 226—88.1)



1. A cap-feeding unit comprising a magazine adapted to receive a vertical stack of caps, means for feeding the caps one by one from the lower end of said stack, said means comprising an annular member through which the caps are adapted to drop, a plurality of pivoted escape-

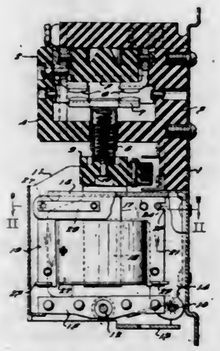
ment members associated with said annular member, each of said escapement members embodying a main portion pivoted for swinging movement in a horizontal plane, each of said main portions carrying on its outer end a member pivoted thereto for movement in a vertical plane which is substantially tangential to the periphery of said annular member, said last-named pivoted member carrying at one end a horizontal finger disposed adjacent the upper edge thereof, and at the other end a horizontal finger disposed adjacent the lower edge thereof, said escapement members being normally positioned so that the lower fingers support the lowermost cap of the stack, and means for swinging the main portions of said escapement members about their pivots so that the lower fingers will move out of engagement with the lower cap and the upper fingers will move into engagement with the cap next above.

2,352,765

ELECTRIC SWITCH

Josef Bierenfeld, Shorewood, Wis., and Lawrence G. Maechtlen, San Marino, Calif., assignors to Square D Company, Detroit, Mich., a corporation of Michigan

Original application August 24, 1936, Serial No. 97,532. Divided and this application May 29, 1940, Serial No. 337,782
3 Claims. (Cl. 175—336)



1. An electromagnetic operator comprising an armature member being adapted to be connected to motion transmitting means, a stationary magnet structure for attracting said armature member, said magnet structure being generally E-shape and having an operating coil disposed around the central leg of the E, a stationary supporting bracket, a pin rigidly supported on said bracket, a groove in one extreme leg of the E interfitting with said pin to support one side of said magnet structure, and means connecting the other extreme leg of the E to the bracket to support the same and to prevent removal of the magnet structure, said last mentioned means being readily releasable to provide for ready removability of the magnet structure from its supporting bracket.

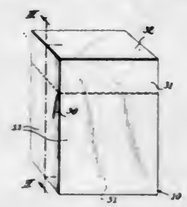
2,352,766

PAPER BOX

Walter H. Bogue, East Orange, N. J.

Application July 27, 1943, Serial No. 496,327
3 Claims. (Cl. 229—6)

1. A container comprising a body member having a base and a plurality of side members integral therewith and extending upwardly therefrom, said base having an opening therein, a closure for said opening, said closure being integral with and hinged to said base, an inner bottom supported by said base and having an opening therein, a portion of said inner bottom being a support for said closure, a reinforcing member supported by said inner bottom and extending upwardly therefrom, the upper limit of said reinforcing member being below the upper limit of



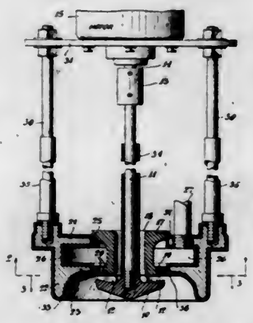
said side members, a top having an opening therethrough and side members extending downwardly below the upper limit of the side members of said body, a fragile covering for said top, said covering extending below the upper edge of the side members of said body, a portion of said covering located between the sides of said body and the sides of said top and a closure substantially completely surrounding and located adjacent the outer exposed surface of said covering.

2,352,767

DIFFUSER-CIRCULATOR

George Martin Booth, Westfield, and Mitchell Horace Cubberley, Belleville, N. J., assignors to Wallace & Tiernan Co. Inc., Belleville, N. J., a corporation of New York

Application April 2, 1941, Serial No. 386,434
12 Claims. (Cl. 261—93)



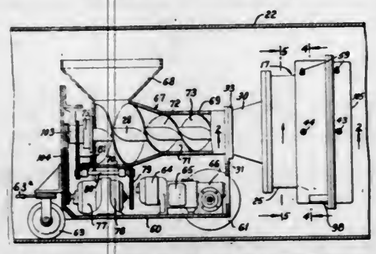
1. Apparatus adapted to be disposed in a body of liquid for diffusing gas into the liquid and for circulating the liquid, comprising base means having a passage therethrough and an enclosed annular cavity surrounding the passage, and impeller means including a drive shaft extending through the passage and carrying an impeller rotor adjacent the end of the passage, said rotor being adapted to draw liquid through the passage and to direct the same in a path adjacent the base means, and said base means including a multiplicity of small apertures opening from the cavity adjacent the impeller rotor, whereby advance of liquid by the impeller is adapted to draw gas from the cavity through said apertures.

2,352,768

PIPE LINING APPARATUS

William R. Brend, East Orange, N. J., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey

Application July 23, 1943, Serial No. 495,826
8 Claims. (Cl. 91—44)



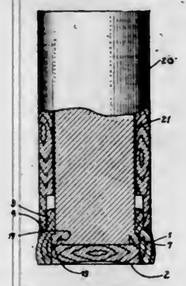
1. In apparatus for applying plastic material to the interior of a pipe, the combination comprising rotatable means for distributing plastic material in a circular path, plastic material impelling means rotatably mounted on said rotatable distributing means, a second plastic material impelling means mounted for rotation on an axis coinciding with the axis of said rotatable means, both of said plastic material impelling means being in the same plane with their peripheries in tangential relationship, means for rotating said plastic material impelling means in opposite directions, means carried by said rotatable distributing means having a passageway therein for directing plastic material to the ingress to said rotatable impelling means, means for delivering plastic material to said passageway, and means for rotating said rotatable distributing means so as to continuously change the direction of discharge of plastic material being impelled from between said impelling means.

2,352,769

SHAVING STICK

Enoch Norris Brown, Brockton, Mass., assignor to Lentheric, Incorporated, New York, N. Y., a corporation of New York

Application November 18, 1943, Serial No. 510,793
5 Claims. (Cl. 206—56)



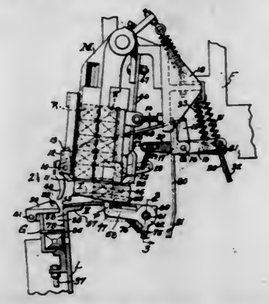
1. A shaving-stick comprising a cylindrical soap-stick, and a holder surrounding and anchored to an end thereof comprising a base portion and a wall portion, the wall portion having an internal annular groove at its base end, and the base portion having an internally-projecting annular wedge whose tip-diameter is less than the diameter of the soap-stick, the soap-stick at least partially surrounding the wedge and extending into the groove.

2,352,770

RESERVE SHUTTLE CONTROL FOR SHUTTLE CHANGING LOOMS

Augustin J. Chevrette, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application November 27, 1943, Serial No. 511,968
13 Claims. (Cl. 139—232)



1. In a shuttle changing loom having a stack of reserve shuttles which are delivered downwardly one by one preparatory to shuttle changing operations, a lay reciprocating horizontally under said stack, a shuttle box on the lay below the stack to receive a shuttle from the stack during a shuttle changing operation, and shock absorbing mechanism mounted on the lay for vertical movement relatively thereto and movable back and forth therewith and resisting downward movement of a shuttle delivered from the stack but overpowered by the shuttle and serving to position the shuttle for a shuttle changing operation with respect to said shuttle box.

2,352,771

DROP-MUD METHOD OF AND APPARATUS FOR MOLDING BRICK

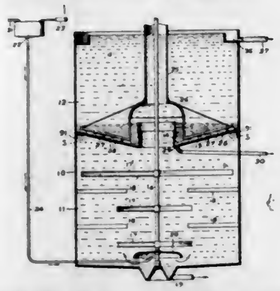
Elmer G. Cowan and John M. Coder, Claysburg, Pa., assignors to General Refractories Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 25, 1943, Serial No. 488,470
23 Claims. (Cl. 25—103)



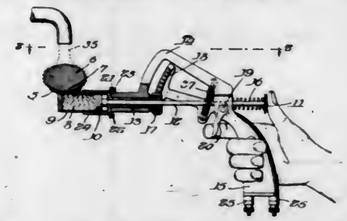
1. The method of molding brick, which consists in dropping a wock into a mold and trimming it transversely before it reaches the mold.

2,352,772
TREATMENT OF IMPURE LIQUIDS
George M. Darby, Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application May 18, 1937, Serial No. 143,259
4 Claims. (Cl. 210—16)



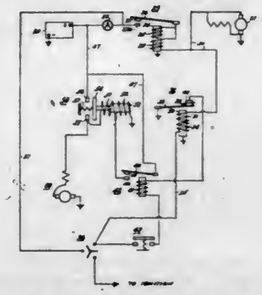
1. Apparatus for purifying liquids comprising a tank, an inclined wall structure in said tank dividing said tank into an upper clarifying zone and a lower mixing zone and so constructed and arranged as to form a constantly open passageway communicating said upper and lower zones, means forming a pocket in said tank in communication with said clarifying zone above said passageway for receiving solids settling in said last mentioned zone, an outlet from the lower portion of said pocket, means for supplying liquid to be treated and a chemical reagent to the mixing zone, mechanical rotary means in the mixing zone for agitating liquid therein, and an outlet for removing purified liquid from the upper portion of the clarifying zone.

2,352,773
COATING DEVICE
Ernest W. Davis, River Forest, Ill.
Application August 4, 1941, Serial No. 405,363
3 Claims. (Cl. 91—2)



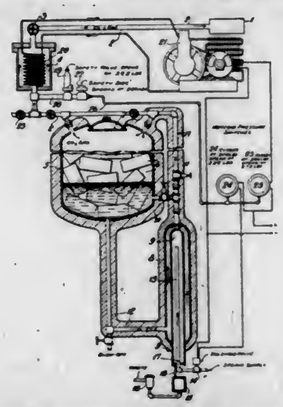
1. In a device for coating articles with a fusible substance, a supporting structure; a holder for holding an article to be coated, said holder having a receiving surface conformed to the shape of a portion of said article; means for movably securing said holder to said supporting structure, said holder being movable to normal and inverted positions; means for moving said holder alternately to its normal position and its inverted position, in which latter position said article is underneath said holder whereby the action of gravity tends to separate said article from said holder; means for introducing a quantity of said fusible substance between said article and said holder whereby to assist the action of gravity in separating said article from said holder; and means for heating said holder and said quantity of fusible substance.

2,352,774
ENGINE STARTER CONTROL SYSTEM
Lawrence C. Dermond, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 12, 1940, Serial No. 345,111
11 Claims. (Cl. 290—37)



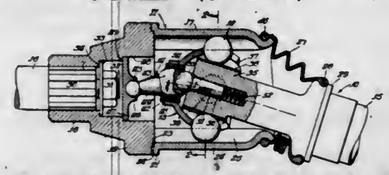
1. An engine starter control system having a current source and a starting motor, a main electromagnetic switch for connecting the starting motor in circuit with the current source, an electromagnetic control switch for controlling the operation of said main switch, a plurality of manually operable switches, one of which is the ignition switch, at least two of which must be closed in order to effect the closing of said control switch, means operated by the generator for causing the control switch to be opened when the engine starts to run under its own power, and means for preventing reclosing of the control switch in the event that the engine stalls until one of said manually operable switches has been opened and reclosed.

2,352,775
GENERATION OF GASEOUS CO_2
Joseph C. Dittmer, St. Albans, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
Application December 9, 1939, Serial No. 308,324
14 Claims. (Cl. 62—91.5)



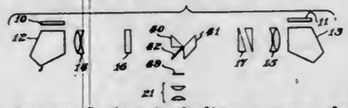
1. A method of deriving gaseous carbon dioxide or like gas from an insulated reservoir holding such material in solid form which comprises first circulating the gas attendant on such material through a small heating chamber until some of the solid in the reservoir has melted to liquid phase, then circulating this liquid through a heating chamber and the reservoir until a desired pressure has been established in the reservoir, thereafter maintaining the liquid in the reservoir at a temperature adapted to restrain evaporation thereof at said pressure, and coincidently delivering gas from said heating chamber to the load demand at a temperature higher than that of any gas evaporating from said reservoir liquid.

2,352,776
CONSTANT VELOCITY UNIVERSAL JOINT
Adiel Y. Dodge, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 3, 1940, Serial No. 317,044
5 Claims. (Cl. 64—21)



1. In a universal joint, a female member having internal recesses, a male terminal member having at its end a spherical head provided with external recesses registering with said internal recesses, torque transmitting balls engaged in said recesses for establishing driving connection between said members, a spherical cage in which said head is socketed, and in which said balls are imprisoned, said cage having a collar, a bushing axially slidable in said collar and having an internal spherical bearing surface, a piloting finger having one end socketed in said bushing and its other end in pivotal association with said female member, and a spring pressed plunger axially slidable in said male member and having at its outer end a socketing connection with the socketed end of said finger.

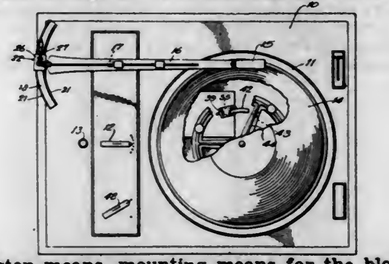
2,352,777
RANGE FINDER
William L. Douden, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1942, Serial No. 441,093
7 Claims. (Cl. 88—2.7)



1. A range finder including means defining spaced entrance apertures, means at said apertures deflecting entrant beams of light toward each other along substantially coaxial paths, and means including a pair of different complementary selective light reflectors disposed substantially midway between said entrance apertures for separating and combining portions of said two beams complementary in color.

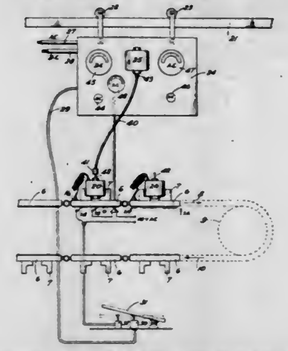
2,352,778
CONTROL MECHANISM FOR SOUND REPRODUCING APPARATUS
William C. Eddy, Michigan City, Ind.
Application May 6, 1942, Serial No. 441,912
7 Claims. (Cl. 274—1)

1. In a sound reproducing apparatus having a rotatable carrier for a record formed with a sound track, control mechanism comprising an arm swingably mounted adjacent the carrier, a pickup carried by one end of the arm for cooperation with the sound track, a block, means on the block engageable with the arm to form a stop therefore, means on the block cooperating with the arm to urge the arm into engagement with



the stop means, mounting means for the block adjacent the arm, and cooperating means on the block and the mounting means symmetrical about the longitudinal center line of the block to support the block in either of two reversed positions so that the stop can engage the arm to limit its swinging movement in either of two directions.

2,352,779
MOTOR TESTING APPARATUS
Ralph Ehrenfeld, Euclid, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 11, 1941, Serial No. 414,567
8 Claims. (Cl. 73—51)

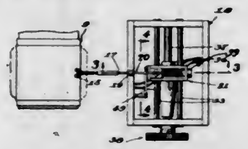


1. A motor test device comprising a member adapted to be mechanically connected to the armature shaft of a motor undergoing test, means to resist the rotation of said member comprising an armature, field windings and simultaneously acting, alternating-current and direct-current excitation for said field windings, said windings and their excitation jointly acting to provide a load approaching the torque characteristics of the motor undergoing test throughout a wide range of motor speeds.

2,352,780
WINDING APPARATUS
Ed Fletcher, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application June 13, 1942, Serial No. 446,988
5 Claims. (Cl. 242—43)

1. Apparatus for packaging strands comprising a spool over which a strand is to be wound,

means for traversing the strand along the spool including an arm having one end portion slidably engaging the strand and pivotally supported intermediate the ends to enable the said end portion to swing in opposite directions lengthwise of said spool, motion transmitting means having a uniform travel in opposite directions substantially parallel to the axis of rotation of the spool, a screw supported on the motion transmitting means for rotation about an axis extending substantially perpendicular to the axis of rotation



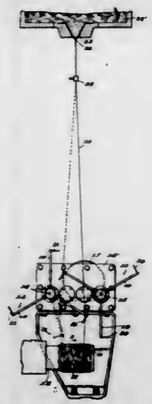
of the spool, a nut releasably engaging said screw and slidably engaging the portion of the arm at the side of the pivotal support opposite the strand-engaging end of the arm, resilient means for holding said nut in operative engagement with said screw, and means responsive to movement of the motion transmitting means during each traversing cycle to impart a rotative movement to the screw in a direction to move the nut in a direction away from the pivotal support for the arm.

2,352,781

TRAVERSING APPARATUS

Ed Fletcher, Newark, and Edwin J. Fisher, Millersport, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware

Application January 1, 1943, Serial No. 471,220
10 Claims. (Cl. 242—43)



1. Apparatus for packaging material in strand form comprising a rotatable spool about which a strand of material is adapted to be wound, a member supported at one side of the strand for movement in a circular path about an axis substantially perpendicular to the axis of rotation of the spool and having circumferentially spaced strand-engaging portions successively engageable with the strand, a second member supported at the opposite side of the strand for movement in a direction opposite the direction of movement of the first member and in a plane common therewith about an axis substantially parallel to the axis of the first member, and a plurality of circumferentially spaced strand-engaging portions on the second member alternating with the strand-engaging portions on the first member to successively move the strand in opposite directions lengthwise of the spool.

2,352,782

TRIMETHYLENE CHLORBROMIDE

Clyde B. Gardenier, Belleville, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

No Drawing. Application February 21, 1942, Serial No. 431,815
2 Claims. (Cl. 260—658)

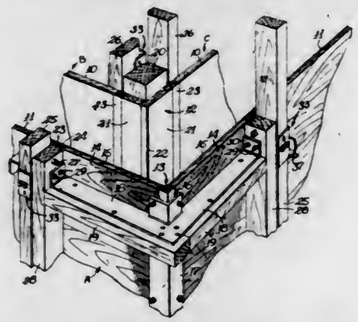
1. The method of preparing trimethylene chlorbromide comprising saturating with substantially pure oxygen a solution of allyl chloride and water and adding to said solution hydrogen bromide and substantially pure oxygen.

2,352,783

DEMOUNTABLE FORM FOR POURED CONCRETE

Russell L. Geer, Grand Island, Nebr.

Application February 10, 1941, Serial No. 378,169
7 Claims. (Cl. 25—131)



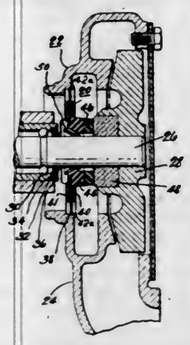
1. A form for poured concrete comprising, in combination, a pair of demountable wall forms disposed at an angle to each other, each of said wall forms comprising a pair of opposed mold walls defining a wall cavity therebetween for poured concrete, said mold walls having vertical reenforcing members fixed to their outer sides adjacent their respective ends, cross-ties joining the opposed mold walls of said wall forms, means including brackets having portions lying on the end edges of said reenforcing members for removably securing said cross-ties in place, inner and outer corner forms including mold walls of matching configuration disposed to join respectively the inner and outer walls of said wall forms, the outer ends of said corner form mold walls being substantially in alinement with each other in a direction transverse of the respective arms of the cavity defined therebetween, each of said corner forms having vertical reenforcing members fixed to the outer faces of their respective mold walls and extending adjacent the outer ends thereof, and means for removably securing said vertical reenforcing members on said corner forms to the adjacent reenforcing members on said wall forms and drawing them toward the latter to clamp said portions of said brackets between the adjacent reenforcing members on the wall and corner forms.

2,352,784

FLUID SEAL

Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 30, 1942, Serial No. 452,846
1 Claim. (Cl. 286—11)



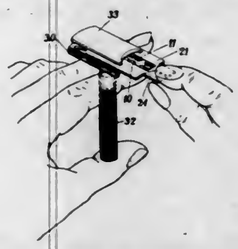
In combination with two relatively rotatable parts, a fluid seal comprising in combination: a circular plate-like spring, a rubberlike sealing member molded over a substantial portion of said spring and terminating so as to expose a peripherial annular portion of the spring, an annular bead of rubberlike material molded to the peripheral edge of said spring and having a circular shape in cross section, one of said relatively rotatable parts including a circumferential groove therearound adapted to receive said rubberlike bead for forming a resilient grip on the spring and simultaneously forming a fluid seal with the spring and the housing, and a sealing washer interposed between said rubberlike member and said other rotatable part and being of such dimensions as to flex said spring for causing the spring to exert a sealing pressure between said rubberlike member and the sealing washer and between the sealing washer and the other relatively rotatable part.

2,352,785

PROTECTED OPEN-END BLADE

Henry A. Gustafson, Dorchester, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application January 15, 1944, Serial No. 518,318
4 Claims. (Cl. 30—123)



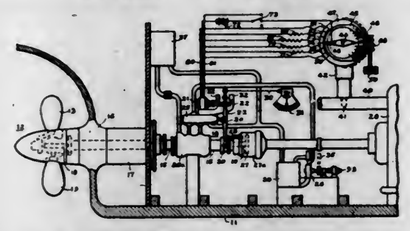
1. A protected open-end blade internally apertured for engagement with locating projections of a safety razor and having an elongated unsharpened portion at each end, one of which is divided by the aperture of the blade, and a cover sheet folded over the divided end portion and being itself apertured to clear the aperture of the blade.

2,352,786

VARIABLE PITCH PROPELLER CONTROL

John Hays Hammond, Jr., Gloucester, and George A. Colley, Newton Center, Mass.; said Colley assignor to said Hammond, Jr.

Application March 25, 1940, Serial No. 325,694
6 Claims. (Cl. 170—135.6)



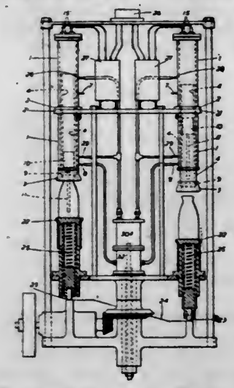
1. In a system for driving a vessel, a propeller having adjustable blades, an internal combustion engine having an exhaust, driving said propeller, pitch control mechanism controlling the pitch of said blades, temperature responsive mechanism connected in heat transfer relationship to the exhaust to be actuated by and exclusively as a function of variations in the temperature of the exhaust gases from said engine, and automatic means to maintain a substantially constant exhaust temperature including a reversible control member actuated by said temperature responsive means and connected to cause said pitch control mechanism to increase the pitch of said blades in response to a decrease in exhaust temperature and vice versa.

2,352,787

APPARATUS FOR STERILIZING THE INTERIORS OF EMPTY VESSELS

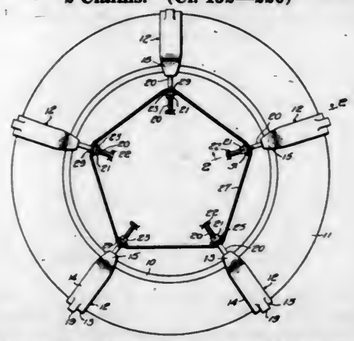
Clifford Brunswick Harley, Herne Hill, London, England, assignor of one-half to Robert Powley & Sons Limited, Sunderland, England

Application December 22, 1943, Serial No. 515,296
In Great Britain March 25, 1942
16 Claims. (Cl. 250—52)



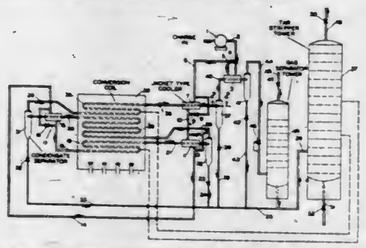
1. An apparatus for sterilizing the interiors of empty vessels comprising irradiating elements, pistons carrying said elements, cylinders housing said pistons in which they can slide, means for effecting suction alternately on the respective faces of the said pistons for the purpose of moving the irradiating element into and out of operative position, and means for energizing said irradiating elements.

2,352,788
MUD HOOK
Carl R. Hinds, Sioux City, Iowa
Application April 10, 1942, Serial No. 438,471
2 Claims. (Cl. 152—226)



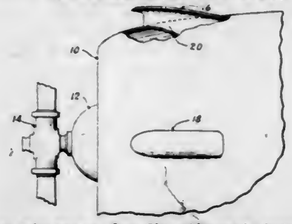
1. A mud lug assembly for a vehicle tire comprising a plurality of bodies each of which comprises a traction portion adapted to extend transversely of the tire over the tread portion thereof, an arm formed with one end of the traction portion and extending radially inwardly, and a radially inwardly projecting shank carried by the radially inner extremity of the arm of each body, a tie band, a plurality of lugs carried by said band and arranged in pairs corresponding in position to said shanks to receive the latter therebetween, a clip engageable against said lugs radially inwardly thereof and having an opening to slidably receive the adjacent shank, and a nut threaded on each shank and engageable against the radially inner face of the associated lug.

2,352,789
PROCESS FOR TREATMENT OF HYDROCARBONS
Gerald A. Ibach, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 26, 1941, Serial No. 395,315
3 Claims. (Cl. 196—69)



2. An improved process for the thermal vapor phase conversion of high boiling hydrocarbons into lower boiling products, which comprises subjecting a continuously flowing stream of such hydrocarbons under an elevated pressure and in vapor phase to an elevated conversion temperature in an elongated conversion zone of restricted cross-sectional area for a time such as to effect only a partial conversion to lower boiling products together with the formation of only a minor amount of heavy hydrocarbons and tar which collect on the bounding surface of said conversion zone, subjecting the surface of a short section of said zone to indirect cooling to reduce below cok-ing temperature heavy hydrocarbons and tars collected thereon and limiting the extent of said cooling such that the temperature of the hydrocarbons undergoing conversion is not reduced more than 10° F., removing said cooled heavy hydrocarbons and tar from said surface while maintaining said conversion temperature and pressure, repeating the steps of partial conversion and limited cooling of the bounding surface and removal of heavy hydrocarbons and tars at least one additional time, reducing the pressure on the final conversion effluent and passing same to a first separation zone, removing low boiling products of said conversion from said effluent in said separation zone, removing also from said effluent higher boiling hydrocarbons, admixing with said higher boiling hydrocarbons heavy hydrocarbons and tar removed from intermediate points in said conversion, passing said combined materials to a second separating zone, removing from said second separating zone a lighter high boiling hydrocarbon fraction and a heavier high boiling hydrocarbon fraction, returning said lighter fraction to the first part of said conversion zone, and returning said heavier fraction to the latter part of said conversion zone.

2,352,790
AIR INTAKE SCOOP
Donald J. Jordan, Milford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 29, 1941, Serial No. 385,920
3 Claims. (Cl. 244—130)

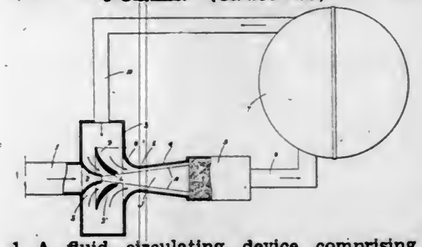


1. An air scoop for directing air into an air entrance opening in a surface of a streamlined vehicle and located to the rear of the leading edge of said surface comprising, top and side scoop portions enclosing the opening, said top portion having an extension projecting forward of said side portions and forward of said opening and overlying in spaced relation a portion of the vehicle surface in front of said opening, said front extension constituting a streamlined airfoil providing a non-turbulent flow of air therebeneath at the entrance between said side portions.

2,352,791
MAGNETIC FIELD CONTROL OF HETEROGENEOUS CATALYSTS
Orus F. Krumboltz, Huron, S. Dak.
No Drawing. Application August 7, 1940, Serial No. 351,779
10 Claims. (Cl. 204—155)

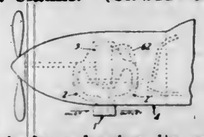
8. The process of controlling the activity of a heterogeneous catalyst, which comprises applying to said catalyst an uninterrupted, substantially constant, uniform magnetic field proportioned to modify the effective magnetic field of the earth and to effect a predetermined alteration of the activity of said catalyst, said field having a strength above about 5 to 10 gauss where a retarding effect is desired, and a strength below about 5 gauss where an accelerating effect is desired.

2,352,792
FLUID CIRCULATING DEVICE
William H. Kuster, San Francisco, and Edwin A. Glynn, Lodi, Calif.
Application August 7, 1942, Serial No. 454,061
3 Claims. (Cl. 230—95)



1. A fluid circulating device comprising a chamber, a primary nozzle projecting into said chamber, a conduit leading from the chamber on the side thereof opposite said nozzle and in substantially axial alinement with such nozzle, a secondary nozzle disposed within the chamber and having an interior convex and an exterior concave wall, the restricted end of the secondary nozzle surrounding and spaced from a hypothetical conoidal body which would be formed by a jet issuing from the primary nozzle, the enlarged end of the secondary nozzle being of such a relatively large diameter that a radial line drawn from the center of curvature of such enlarged end to the outer edge thereof will lie substantially parallel to the longitudinal axis of the primary nozzle, and a fluid inlet member connected with said chamber independently of the primary nozzle.

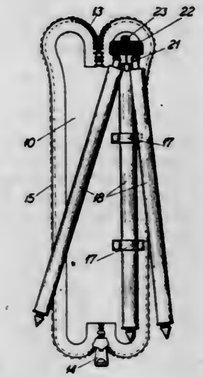
2,352,793
COOLING AND VENTILATING SYSTEM FOR AIRPLANES
J. Burr Lennes, San Francisco, Calif.
Application June 25, 1940, Serial No. 342,297
7 Claims. (Cl. 244—53)



1. In an airplane having its engine disposed therein; a conduit for air enlarged at a point between its opposite ends and enclosing said engine in said enlargement thereof; an air inlet and an air outlet at said opposite ends disposed in the air stream flowing over the outer side of said airplane; said inlet and said outlet being directed away from each other positioned one behind the other in a common plane parallel with the direction of normal air flow; air control means for regulating the volume of air passing through said inlet and outlet respectively; said air control means and said inlet and outlet being movable relatively to positions varying the capacity of said inlet and outlet respectively, directly thereat to passage of air therethrough.

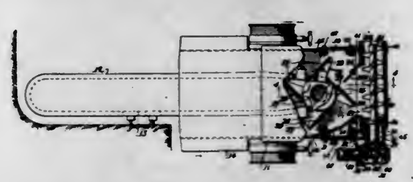
2,352,794
TRIPOD CASE
Robert F. Love, Binghamton, N. Y., assignor to General Aniline & Film Corporation, Binghamton, N. Y., a corporation of Delaware
Application March 21, 1940, Serial No. 325,161
2 Claims. (Cl. 248—168)

1. A case for a tripod of the collapsible leg type comprising a flexible body portion opening and closing along a central line, closure means on the edges of said body member for completely enclosing the tripod when in the collapsed position, a carrying handle on the outside of said case opposite the closure means, and resilient fastening means on the inner side of said case for firm but longitudinally adjustable attachment of said case to a leg of the tripod, said



fastening means being closely adjacent the closure means and laterally displaced around the circumference of the case from the line of attachment of the carrying handle, whereby the weight of the tripod is directly supported by the case itself rather than by said fastening means when said case and tripod are carried from said handle.

2,352,795
SLACK OR CUTTINGS REMOVING DEVICE FOR KERF-CUTTING MACHINES
William T. McCullough, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 21, 1943, Serial No. 507,064
7 Claims. (Cl. 262—30)



1. In a kerf-cutting machine having a frame, a horizontally disposed chain carrying cutter bar having a portion extending through a cuttings discharge passage in said frame, and a drive sprocket for said cutter chain adjacent a horizontally opening outlet for said cuttings discharge passage, the combination of a rotary sweep element mounted in said passage substantially concentric with and below said drive sprocket, said sweep element having a plurality of arms extending at a retreating angle relative to the normal direction of rotation of said drive sprocket, and means for rotating said sweep element in the same direction as said drive sprocket so as to force the cuttings radially outward and through said cuttings outlet.

2,352,796

WATER-SOLUBLE BIURET RESIN AND METHOD FOR MAKING THE SAME

Earle Davis McLeod, Rumford, R. I., assignor to Arnold, Hoffman & Co. Incorporated, a corporation of Rhode Island

No Drawing. Application June 21, 1941, Serial No. 399,234
14 Claims. (Cl. 260—2)

1. The process for the manufacture of a water-soluble resin which comprises reacting at temperatures exceeding 100° C. equimolecular quantities of boric acid and a biuret of the following general formula:



wherein z is a small integer of values from 0 to 3 and R is a group $-(CH_2)_t-(NH(CH_2)_t)_s-$ where t and s are small integers with s ranging from 0 to 5 and t ranging from 1 to 5, and in which X is a radical selected from the group consisting of hydrogen,

$$-(CH_2)_n-Y,\ -(CH_2)_n(NH(CH_2)_n)_p-Y$$

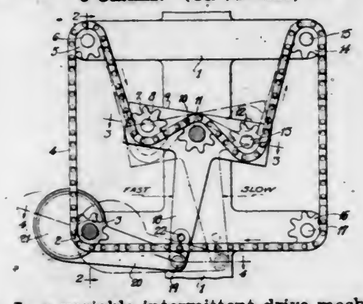
in which n and p are small integers with n varying from 2 to 6 and p ranging from 1 to 6, and a simple branched alkyl chain of not over 5 carbons carrying at least one radical selected from the group consisting of a hydroxyl and an amino group, and in which formula the two X's need not be similar, and Y is a radical selected from the group consisting of hydroxyl and an amino group carrying a reactive hydrogen.

2,352,797

VARIABLE INTERMITTENT MOTION DEVICE

Albert F. Miller, Flushing, N. Y., assignor to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware

Application June 12, 1941, Serial No. 402,140
5 Claims. (Cl. 74—217)



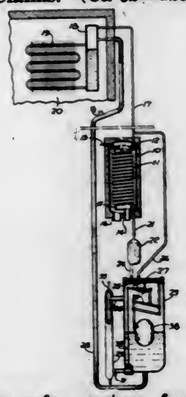
1. In a variable intermittent drive mechanism the combination of a circular drive sprocket, a circular driven sprocket, a chain interconnecting said sprockets in driving relationship, a pair of spaced apart idlers around one of which said chain passes in its travel from the drive sprocket to the driven sprocket and around the other of which said chain passes in its travel from the driven sprocket to the drive sprocket, a support for said idlers pivotally mounted on an axis equidistant from said idler axis, and means apart from said chain for oscillating said support and idlers in timed relationship with said drive shaft, said parts being so constructed and arranged that said chain is maintained in positive driving engagement with said drive and driven sprockets at all times and is varied in its phase relationship with said driven sprocket by the oscillation of said idlers.

2,352,798

REFRIGERATION

Cary Miller, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application September 16, 1941, Serial No. 410,970
6 Claims. (Cl. 62—125)



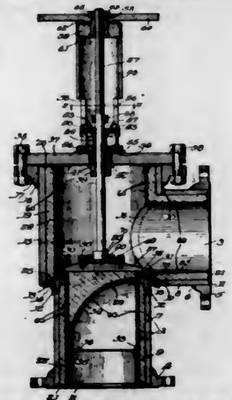
1. A heat transfer system for transferring cooling from a source of refrigeration to a higher elevation including a condenser cooled by said source of refrigeration, an evaporator at said higher elevation, said evaporator always being in open communication with said condenser and connected to deliver vapor to the latter, a vessel connected to receive liquid condensate from said condenser, a conduit for conducting liquid from said vessel upward to said evaporator when said vessel is subjected to sufficient internal pressure to force liquid therefrom through said conduit to said upper elevation, a liquid vaporizer for supplying said pressure in said vessel, said vaporizer being connected to receive liquid from said vessel, and a valve for controlling flow of liquid from said vessel to said vaporizer and operated so that liquid flows to said vaporizer only upon rise in liquid level in said vessel.

2,352,799

INTERNALLY INSULATED VALVE

Norman B. Newton, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application November 5, 1942, Serial No. 464,680
6 Claims. (Cl. 251—156)



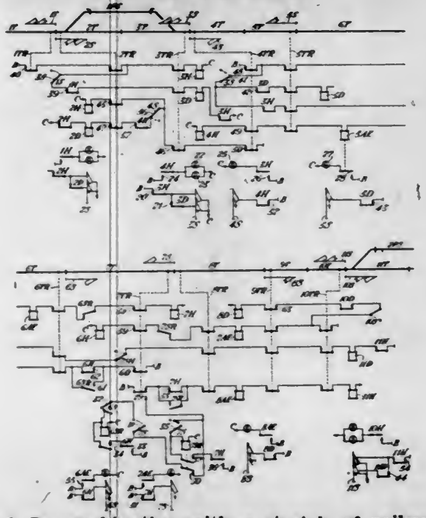
1. In a valve comprising a valve casing, a closure member therefor, the interior of the said casing and a portion of the said closure member being lined with an insulating element having an outer protective liner, said liner of said closure member being weldably secured to the said closure member to retain the said insulating element.

2,352,800

RAILWAY TRAFFIC CONTROLLING APPARATUS

Frank W. Pfleging, deceased, late of Omaha, Nebr., by Carrie E. Pfleging, administratrix, Omaha, Nebr., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application May 27, 1943, Serial No. 488,760
5 Claims. (Cl. 246—33)



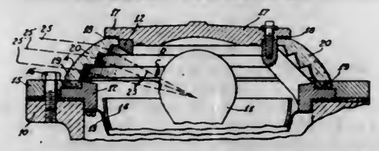
1. In combination with a stretch of railway track formed with consecutive track circuited sections and extending from a section on one side of a first siding past that first siding to a second siding, a first set of signals spaced at intervals to govern traffic in one direction through the stretch and including a first leaving signal at the first siding governing traffic toward the second siding and a second set of signals spaced at intervals to govern traffic in the other direction through the stretch and including a second leaving signal at the second siding governing traffic toward the first siding; control relay means for each of said leaving signals, a first line circuit means controlled by the track circuit of each section between said sidings to govern the control relay means for said first leaving signal to cause operation of said first leaving signal to a stop position when any one of such track sections between the sidings is occupied by a train moving toward said first siding, and a second line circuit means controlled by the track circuit of each section of said stretch to govern the control relay means for said second leaving signal to cause operation of said second leaving signal to an approach position when either said section on one side of said first siding or a section adjacent said first siding is occupied by a train moving toward said second siding and to a stop position when any one of the sections between said sidings is occupied by a train moving toward said second siding.

2,352,801

LUMINAIRE

Thomas W. Bolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware

Application August 7, 1943, Serial No. 497,740
3 Claims. (Cl. 240—1.2)



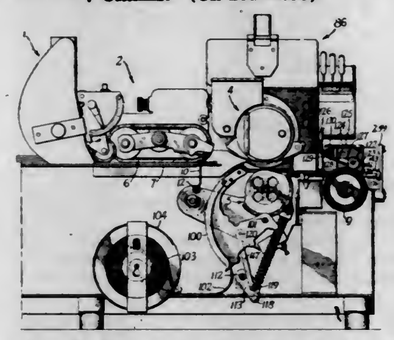
1. A luminaire comprising a substantially point light source, an annular one-piece refractor accepting a sector of an annular zone of divergent light from the source and having annular prisms to produce concentration in vertical directions and radial prisms superposed on the surfaces of the annular prisms and having circumferential variation in refracting power to produce concentration in circumferential directions, the annular prisms varying in depth circumferentially with the greatest depth where the radial prisms have the least refracting power and with the least depth where the radial prisms have the greatest refracting power, so as to maintain substantially uniform, for all of said prisms, the vertical angle of the emergent light.

2,352,802

CONTROL SYSTEM FOR POSTAGE PRINTING MACHINES

Commodore D. Ryan and Edward P. Drake, Los Angeles, Calif., assignors to National Postal Meter Company, Inc., Rochester, N. Y., a corporation of Delaware

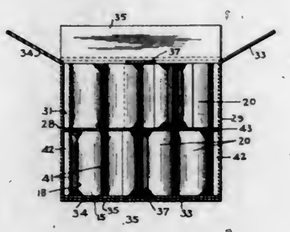
Application October 1, 1941, Serial No. 413,121
7 Claims. (Cl. 101—235)



1. A machine of the type described, for selectively printing either on separate objects fed thereto, or on tape, comprising: a printing mechanism, means for feeding objects thereto, means for driving said printing mechanism, a tape mechanism for conducting tape to said printing mechanism, said tape mechanism being movable into and out of operative relation with respect to said printing mechanism, ejector means associated with said printing mechanism for discharging said separate objects from the machine after they have been printed, guide means for guiding said objects against said ejector means, means supporting said guide means for movement between a first position in operative relation with respect to said ejector means, and a second position clear of said ejector means to facilitate discharge of tape from said printing mechanism, a

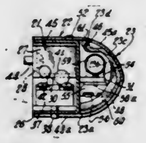
manually operated shifting means for shifting said tape mechanism into and out of operative relation with said printing means, and means responsive to movement of said shifting means for moving said guide means out of operative relation with said ejector roller when said tape mechanism is shifted into operative position.

2,352,803
MEANS FOR PACKING FRANGIBLE ARTICLES
Raymond R. Sawin, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application October 16, 1940, Serial No. 361,409
2 Claims. (Cl. 206—46)



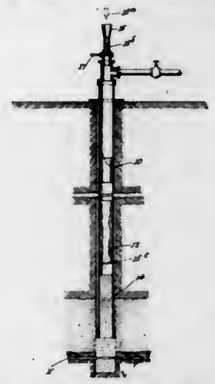
1. Means to package a plurality of frangible articles nested together in contact with each other in the form of a pile, a band of material extending lengthwise about said pile of articles, a wrapping of crushable material, such as corrugated cardboard, wrapped transversely about the pile and having peripherally spaced apart portions thereof upstanding and extending beyond both ends of the pile, the remaining portions of cardboard at each end of the pile being bent over into engagement with the end articles, and a band of material extending lengthwise about the wrapping and disposed between the upstanding portions and upon the bent over portions to hold it about the pile of articles and to suspend said articles between its ends.

2,352,804
FLUORESCENT LIGHTING FIXTURE
Lindsley Schepmoes, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc., a corporation of Delaware
Application June 24, 1942, Serial No. 448,313
5 Claims. (Cl. 240—78)



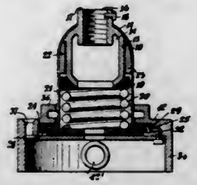
1. A fixture for fluorescent lighting, in combination, a housing having flat top, front and bottom walls and open at the rear, means forming integral attaching flanges on said housing at the rear thereof and lying in a plane parallel to said front wall for detachably securing the housing to a wall or the like, means forming integral socket supporting flanges extending outwardly of the plane of said front wall, integral supporting members within said housing for supporting electric devices for operating a fluorescent lamp, said members being wholly contained between the planes of said front wall and said first-mentioned flanges, a socket on each of said second-mentioned flanges, a fluorescent lamp detachably mounted in said sockets adjacent said front wall, an arcuate canopy detachably and telescopically secured to said housing, and an arcuate lens secured to and within said canopy and enclosing said lamp.

2,352,805
METHOD AND ARTICLE FOR CLEANING OIL WELLS AND THE LIKE
Leonhard N. Scheuermann and Gabriel B. Pecot, New Orleans, La.
Application March 22, 1943, Serial No. 480,078
18 Claims. (Cl. 166—16)



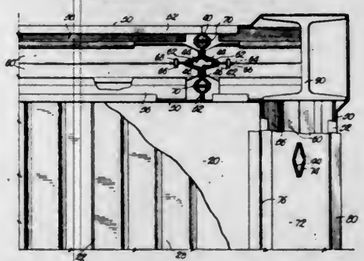
1. The herein described method for cleaning oil lines and the like which consists in introducing coarse salt crystals into a body of oil flowing in the line whereby such crystals are carried along with the body of oil and caused thereby to impinge against accumulations of paraffin and the like to cut and slice such paraffin by mechanical action.

2,352,806
UNIVERSALLY ADJUSTABLE SWIVEL BASE
Nathan Rodney Schwartz, New York, N. Y.
Application April 29, 1943, Serial No. 485,084
7 Claims. (Cl. 248—346)



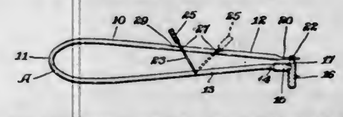
1. A universally adjustable swivel base comprising a base member, a housing rotatably mounted therein, a spherical member in said housing, means in said housing urging said swivel member upwardly, a washer on which said urging means is seated, means enterable in said base member locking said housing in said base member, and means cooperating between said washer and said locking means limiting the rotative movement of said housing.

2,352,807
SECTIONAL METALLIC BUILDING STRUCTURE
Ralph O. Sheldon, Kansas City, Mo., assignor to Emile S. Guignon, Jr., Kansas City, Mo.
Application April 25, 1942, Serial No. 440,451
13 Claims. (Cl. 189—34)



1. In a building structure of the character described, a wall comprising a plurality of edge-to-edge units each having a pair of opposed, spaced apart sections; studs between the said sections at the proximal edges thereof; and slidably disposed key strips interconnecting the sections and said studs, and holding the proximal edges of adjacent sections together in abutting relation.

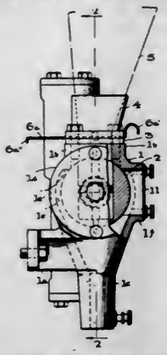
2,352,808
AMALGAM CARRIER
Ivar E. Sigveland, St. Paul, Minn.
Application August 2, 1941, Serial No. 405,201
4 Claims. (Cl. 32—66)



4. An amalgam carrier comprising a substantially U-shaped handle, a hollow cylinder secured to one end of said handle to extend angularly therefrom, a plunger secured to the other end of said handle to engage in said hollow cylinder, an operating member pivotally secured to one side of said U-shaped handle and engageable over the other side thereof to limit separation of the sides of said handle, said operating member being pivotal to draw the sides of the handle together, and a series of shoulders in the side of said handle over which said operating element engages to engage said operating member to lock the sides of said handle together.

2,352,809
FEED DEVICE FOR POWDERED MATERIAL
William Strauss, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, a corporation of Pennsylvania
Application November 30, 1942, Serial No. 467,361
7 Claims. (Cl. 222—156)

1. A feed device comprising, in combination, a fixed horizontally disposed cylindrical casing having an inlet opening on the top side thereof and an outlet opening on the bottom side thereof, a rotary measuring cylinder mounted for rotation in said casing and having a measuring cavity therein, operating means movable through a predetermined range for rotating said measuring cylinder from a loading position to an unloading position and to thereby invert said measuring cavity, said casing including an inspection opening located at a point outside of the range of movement of said measuring cavity in moving between loading and unloading positions, and

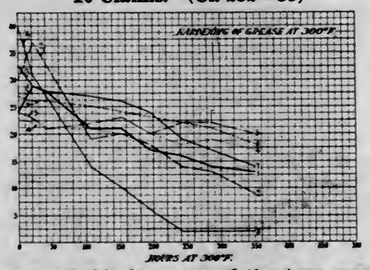


means for uncoupling said measuring cylinder from said operating means to permit rotation thereof to a position where the opening of said measuring cavity comes into registry with said inspection opening.

2,352,810
GRAINING INK VEHICLE
Raymond A. Swain, Bellevue, Ky., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application May 17, 1941, Serial No. 393,927
3 Claims. (Cl. 260—22)

1. A graining ink having correct body for intaglio offset application, comprising coloring matter dispersed in a vehicle consisting essentially of an alkyd resin and a solvent therefor having a boiling point above that of water, and a substantial portion thereof being a plasticizer for the resin boiling above 350° F., whereby substantial change of ink body during application is avoided, in such quantity that correct body is attained, the resin being a reaction product of phthalic anhydride and glycerol modified with both benzoic acid, and fatty acids derived from oils selected from the group consisting of drying and semi-drying oils.

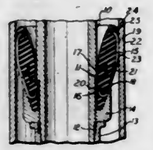
2,352,811
LUBRICANT
Reuben A. Swenson, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 27, 1941, Serial No. 400,024
10 Claims. (Cl. 252—33)



1. A hard, block grease of the type employed for the lubrication of driving journals prepared

from about 30 percent to about 60 percent of a fatty material, about 5 percent to about 10 percent caustic soda, about one percent to about 20 percent oil-soluble metal sulfonate derived from petroleum oil and the balance mineral oil.

2,352,812
SWAB CUP ASSEMBLY OR PACKING ELEMENT
Raymond G. Taylor, Jr., Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application January 27, 1940, Serial No. 315,929
16 Claims. (Cl. 309—33)



1. A cup assembly adapted to engage a well pipe including a cup, a reinforcement for the cup embedded in the cup and supporting the lower portion of the cup on the outside thereof up to a point beyond the point of contact of the cup with the pipe, the upper portion of the cup above the reinforcement being in direct and unbroken engagement with the pipe.

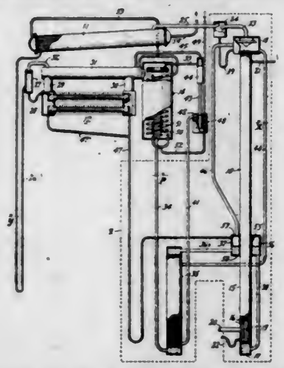
2,352,813
MAGAZINE SAFETY RAZOR
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application December 8, 1943, Serial No. 513,346
9 Claims. (Cl. 30—40)



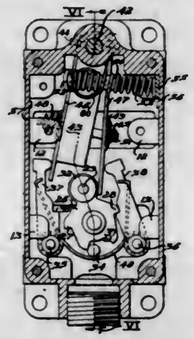
9. A magazine safety razor having a holder presenting an open recess, a magazine filling the recess of the holder and provided with a plurality of blade-receiving slots opening through peripheral surfaces of the magazine, a blade of uniform thickness wholly concealed within each slot and movable therein, and means in the holder constructed and arranged to enter the magazine, advance any selected blade outwardly in its slot and positively hold the selected blade in shaving position.

2,352,814
REFRIGERATION
Albert R. Thomas, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 26, 1940, Serial No. 347,631
15 Claims. (Cl. 62—119)

10. In an absorption refrigeration system of the kind operable below atmospheric pressure and utilizing a water solution from which water is expelled for use as a refrigerant, an absorber, a generator having one or more riser tubes and in which substantially all of the vapor expelled from solution is utilized to raise solution by vapor-lift action, structure providing a heating space about said tube or tubes, a connection for flowing solution from said absorber to said generator including a liquid downflow conduit, means to supply a heating medium to the heating space for heating said tube or tubes, and said downflow conduit being constructed and arranged to receive heat from the heating medium in said space to effect preheating of solution flowing to said generator, such transfer of heat to the solution flowing to said generator being sufficient to prevent condensate knocking and superheating of solution in the lower part of said tube or tubes, so that normal lifting of solution in said tube or tubes will take place.

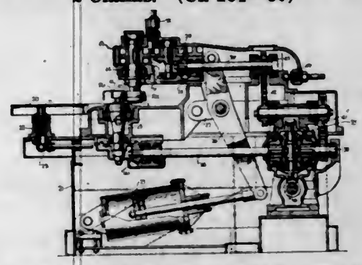


2,352,815
ELECTRIC SWITCH
Hermon L. Van Valkenburg, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application July 12, 1941, Serial No. 402,055
10 Claims. (Cl. 200—70)



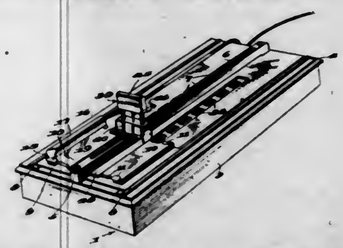
1. In an electric switch, an enclosure, a stationary contact mounted therein, a movable contact, a pivotal switching member supported within said enclosure and movable to move said movable contact into and out of engagement with said stationary contact, means providing a pivot for said switching member, a pair of pivoted latches adapted to alternately engage with said pivotal switching member, a spring means biasing said latches toward said pivotal member, an operating member carried by said enclosure, a pivot for said operating member and spaced from said pivot for said switching member, a pair of pivotal levers mounted on said operating member and at opposite sides thereof, each of said pivotal levers being adapted to engage alternately with said pivotal switching member and with a pivotal latch to effect movement of each, and a pair of spring means, said spring means being disposed on opposite sides of said operating member and cooperating with said pivotal levers to move said pivotal switching member with a snap action into engagement with a pivoted latch.

2,352,816
TRIMMING AND FORMING MACHINE AND THE LIKE
William A. Weightman, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 21, 1943, Serial No. 507,093
2 Claims. (Cl. 164—60)



1. Apparatus of the character described comprising in combination, a table, two roll shafts supporting two rolls above the table for operation upon a common workpiece, one shaft extending downward through the table and the other shaft extending upward away from the top of the table, a vertically movable head carrying said second shaft, a horizontally movable head carrying said vertically movable head, means for adjusting said heads and pressing said rolls together upon the stock, and common means for driving said rolls together for true rolling motion regardless of their diameter; said driving means including a differential gearing and splined shaft connections for the upper roll shaft on said movable heads.

2,352,817
MACHINE FOR RECORDING AND REGISTERING BUSINESS TRANSACTIONS
Albert C. Whitmer, Columbus, Ohio
Application May 23, 1941, Serial No. 394,934
5 Claims. (Cl. 234—2)

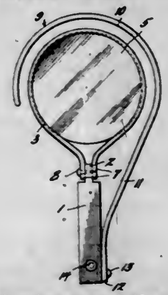


1. A machine for entering and registering business transactions comprising a plurality of relatively independent totalizing registers, a locking member normally holding each of said registers against operation, an electromagnetic device associated with each of said members and registers, a movable switch member, a plurality of independent contacts carried by and movable in unison with said switch member, a holder for the individual removable reception of variously perforated cards, said holder being aligned with said switch member so that the perforation in the card held thereby is registered with one of said contacts, circuit means for said contacts independently closable by the passage of its contact through a perforation in such a card to energize a corresponding one of said electromagnetic devices and thereby release for operation one of said registers, a recording stamp alignable with a register and having a movable plunger, said stamp being adapted to register with a card supported in said holder to produce an entry record thereon, and means coacting with the plunger of said stamp to admit of recording actuation of the stamp and the released complemental register aligned therewith.

2,352,818
EXTREME PRESSURE LUBRICANT
William A. Whittier, Kenilworth, and Joseph B. Stucker, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application August 23, 1940, Serial No. 353,840
14 Claims. (Cl. 252—48)

1. The method of preparing a lubricant which comprises chemically reacting not substantially in excess of 15% by weight of sulfur halide with fatty oil at temperatures not substantially in excess of 190° F. until the exothermic heat of reaction has subsided and completing the reaction at temperatures of approximately 250° to 300° F., adding to the sulfurized oil a small amount of a substance selected from the group consisting of phosphorus and phosphorus compounds capable of reacting with the sulfurized fatty oil and heating the mixture to a reactive temperature not substantially in excess of 230° F. until the reaction is completed.

2,352,819
MIRROR
Samuel J. Winslow, Taunton, Mass.
Application September 27, 1943, Serial No. 503,988
2 Claims. (Cl. 88—101)



1. In a hand mirror and the like, a mirror, a wooden handle, a narrow wooden strip in the form of a loop having its free ends bent downwardly and inwardly, the said strip provided with internal grooves which extend about the major part of the loop but terminate substan-

tially at the point of tangency between the free ends of the strip and the mirror to thus not weaken the strip at the bent portions, said mirror fitted within the loop and held in place by the confining walls of said grooves, the free ends of the loop pivotally mounted to the handle whereby the loop may be adjusted in desired angular relation to the handle and at the same time tightly hold the mirror within the grooves, a wooden neck piece having a stem, detachably and pivotally secured to the lower end of the standard, the said wooden neck piece extending upwardly in the form of a hook and partially surrounding the loop, the said neck piece adapted to be placed around the neck of the wearer and the handle adapted to rest on the chest of the wearer to position the loop and its mirror in front of the face of the user.

2,352,820
HAND MIRROR, BRUSH, AND THE LIKE
Samuel J. Winslow, Taunton, Mass.
Application January 18, 1944, Serial No. 518,758
2 Claims. (Cl. 88—102)



1. In a toilet article such as a hand mirror, brush and the like, a flexible wooden strip in the form of a circular loop, the free ends of the strip extending inwardly and downwardly below the loop, the said loop provided with an internal groove, a circular element mounted within the groove of the loop and held in place by the walls of the groove in said loop, an arcuate wedge strip of substantially the same depth as the wooden strip that forms the loop and provided with external tapered ends and mounted in the bottom of the loop, and the inclined surfaces of the tapered ends bearing against the internal wall of the said loop, whereby when the free ends of the loop are pulled together in assembling the article the wedge piece will also force the element well up into the loop and also tightly grip the element to thus complete the gripping action about the periphery of the element, means for tightly holding the free ends of the strip in a set position and the strip forming a part of a handle for the article.

2,352,821
VENTILATOR
Joseph A. Conboie, San Francisco, Calif.
Application June 10, 1942, Serial No. 446,413
3 Claims. (Cl. 98—39)

1. A ventilating system comprising in combination with a wall having an aperture, an adjustable shutter with a plurality of vanes affixed thereto positioned on the weather side of the said aperture, a Venetian blind positioned on the room side of said aperture and forming an air compartment between the said shutter and blind, a chimney communicating with the top of the said air compartment and leading to an escape, means comprising a power fan disposed at the top of the air compartment for producing an

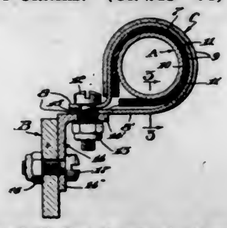


upward current of air within said chimney, and recirculation conduits communicating with the said fan at the discharge side thereof and projected into said air compartment for the purpose of discharging air forced into said conduits by said fan.

2,352,822
PHOTOGRAPHIC COATING
John Dessauer, Irondequoit, N. Y., assignor to The Haloid Company, Rochester, N. Y., a corporation of New York
No Drawing. Application February 2, 1942, Serial No. 429,280
2 Claims. (Cl. 95—7)

1. A photographic coating which can be exposed for printing in subdued daylight under Mazda light and contains one of the group of emulsions consisting of silver chloride emulsion, and silver bromo-chloride emulsion containing approximately one-third to one-half bromide and two-thirds to one-half chloride, and an acridine dye which enhances the keeping power of the emulsion and imparts to the coating high speed sensitivity confined within the spectral region between not less than 4400 angstroms and not more than 5200 angstroms.

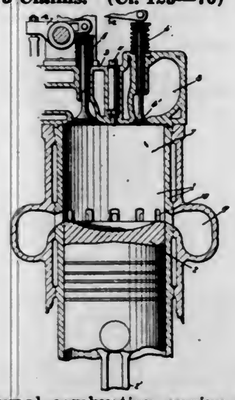
2,352,823
UNIVERSAL SUPPORT FOR CONDUITS
Herman Ray Ellinwood, Burbank, Calif., assignor to Adel Precision Products Corp., Burbank, Calif., a corporation of California
Application February 3, 1941, Serial No. 377,193
3 Claims. (Cl. 248—74)



1. In a conduit line support, a metallic strap adapted to embrace a conduit line and having apertured free ends, an attaching bracket, and a tubular rivet pivotally connecting said bracket with one of said ends, said bracket having a single opening whereby it may be pivotally secured

to a structure on which the line is to be supported, a bolt inserted through the aperture in said other end and the rivet for clamping said other end against one end of said rivet, and a nut on said bolt contacting the other end of said rivet.

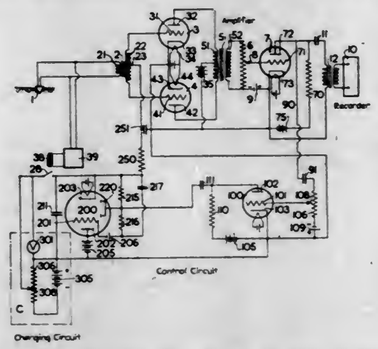
2,352,824
INTERNAL-COMBUSTION ENGINE
Max Essl, Swarthmore, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application June 12, 1943, Serial No. 490,688
5 Claims. (Cl. 123—76)



1. An internal combustion engine comprising, in combination, a cylinder and a piston movable up and down therein, an exhaust valve at the upper end of the cylinder and scavenging ports at the lower end thereof, means whereby at the end of a combustion stroke the exhaust valve and scavenging ports are both opened so as to admit scavenging air to the lower end of the cylinder to sweep exhaust gases out of the upper end of the cylinder through the exhaust valve and thereafter said exhaust valve and scavenging ports are closed, a storage chamber and a valve for controlling communication between the chamber and the upper end of the cylinder, means whereby after said closure of the exhaust valve and of the scavenging ports said storage valve is opened on the succeeding up-stroke of the piston so that air compressed by the piston is forced into said storage chamber and is trapped therein under pressure upon closure of the storage valve, an air intake valve at the upper end of the cylinder adapted to be opened during the next down stroke of the piston to again fill the cylinder with air and thereafter said intake valve is closed so that the succeeding up-stroke of the piston compresses the air in the cylinder, said storage chamber valve being opened during said latter compression stroke to admit stored air from the storage chamber to the cylinder to produce supercharging, and means for supplying fuel to the supercharged cylinder for producing the next combustion stroke.

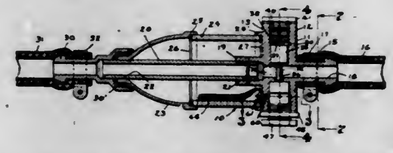
2,352,825
SEISMOGRAPH AMPLIFICATION GAIN CONTROL
Charles H. Fay, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 18, 1942, Serial No. 455,261
2 Claims. (Cl. 177—352)

2. In a method of seismic exploration, the steps of generating electric impulses, amplifying in parallel each of said impulses throughout symmetrical portions of its cycle, combining the symmetrically amplified impulses, rectifying said impulses, causing a potential variation between an initial and a final value throughout a period of time,



controlling the rate of change of said potential variation as a function of said rectified impulses, and controlling the parallel amplification of said impulses by symmetrically applying thereto said controlled potential variation.

2,352,826
PNEUMATIC TOOL LUBRICATOR
Edgar L. Finch, Glendale, Calif., assignor to B. F. B. Engineers, Incorporated, a corporation of California
Application June 2, 1943, Serial No. 489,376
6 Claims. (Cl. 184—55)

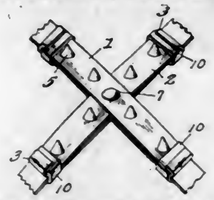


1. In a lubricator, a hollow housing member having a conduit extending therethrough, said housing including a portion spaced from the conduit to form a reservoir, said conduit being adapted to be coupled to a hose, said housing having a pair of aligned bores communicating with the conduit, a valve mounted in one of said bores, a valve seat member in the other bore, said valve serving to control passage of oil from the other bore to the conduit, means normally urging said valve to closed position, means subject to fluid pressure in the conduit for opening the valve, said valve seat member including an oil pervious material arranged in the path of oil flowing from the reservoir to the valve, said housing having a passageway from the reservoir to the other bore and a wick member associated with the passageway and in the path of oil flowing from the reservoir to the valve.

2,352,827
ICE CREEPER
Charles B. Fisher, Montoursville, Pa.
Application April 13, 1943, Serial No. 482,919
7 Claims. (Cl. 36—62)

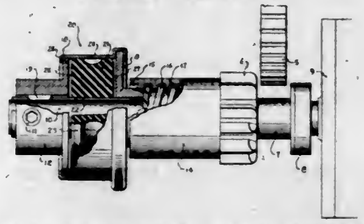
1. In an ice creeper, the combination with a pair of pivotally crossed calk-plates, and a pair

of crossed fastening straps complementary to said plates, of anchoring means adjacent the four



ends of the plates for said straps, and holders on said plates for retaining the anchoring means in place.

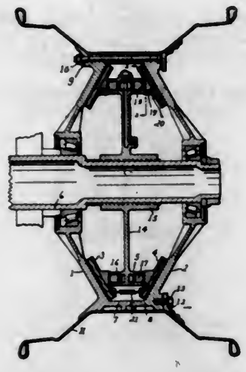
2,352,828
ENGINE STARTER
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application May 3, 1941, Serial No. 391,671
3 Claims. (Cl. 74—7)



1. In an engine starter of the type wherein a pinion is automatically propelled forwardly along a drive shaft toward an operative position meshing with an engine ring gear, an endwise and torsionally resilient driving connection through which torque is transmitted to the pinion comprising: axially spaced driving and driven abutments relatively axially movable toward each other as a result of any interference with forward movement of the pinion toward its operative position and as the load of the engine is picked up by the starter; a rubber element in the space between said abutments; the normal axial spacing of the abutments when the starter is at rest being such that the rubber element therebetween is substantially free from the abutments and not subjected to axially directed compressive forces, relative axial motion of the abutments toward each other during operation of the starter establishing a load carrying torque transmitting connection as the result of frictional engagement of the abutments with the ends of the rubber element; and cooperating radially spaced parts one fixed with respect to each of said abutments at all times frictionally engaging radially spaced inner and outer surfaces on the rubber element substantially normal to the ends thereof to establish an initial torque transmitting connection between said abutments independent of said load carrying connection therebetween.

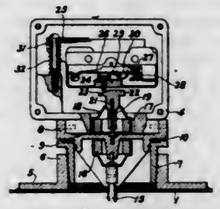
2,352,829
WHEEL AND BRAKE ASSEMBLY
Joseph A. Forbes, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application February 23, 1942, Serial No. 432,068
2 Claims. (Cl. 188—152)

1. In a wheel and brake assembly, rotatable wheel body elements having axially spaced friction surfaces, a non-rotatable annular cylinder having inner and outer walls with one of said walls having projections at opposite ends extending axially beyond the other of said walls, opposed pistons movable within said cylinder, and



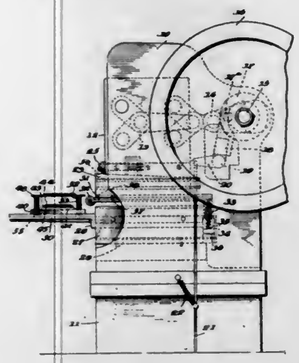
friction members extending axially beyond said cylinder and axially slidably supported on and held from rotation by said projections, said friction members being engageable by said pistons and movable into contact with said friction surfaces.

2,352,830
SIGNAL MECHANISM
George E. Ford, Rochester, N. Y., assignor to Rochester Manufacturing Co., Inc., Rochester, N. Y., a corporation of New York
Application July 15, 1942, Serial No. 451,017
8 Claims. (Cl. 200—84)



1. In a float-operated liquid level indicating mechanism including a rotary driving ring magnet and a rotary driven ring magnet supported on a vertical bearing, a spring-actuated signal snap-switch which when released is in circuit-closing position, a switch control member constantly engaging said switch and movable in a direction parallel to said bearing, the control member acting to hold the switch in circuit-opening position, and a cam fixedly connected to the driven magnet and engaging said control member to actuate the latter in a direction parallel to the rotary axis of the driven magnet, the control member being constantly engaged with said cam under the spring pressure of said switch and acting to exert pressure on the cam and thereby hold the driven ring magnet on said bearing.

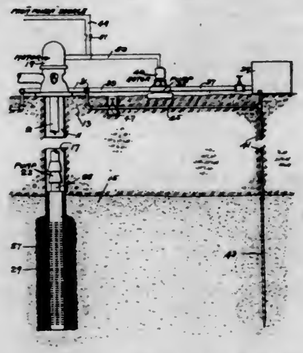
2,352,831
ORNAMENTING MACHINE
Benjamin W. Freeman, Cincinnati, Ohio
Application August 7, 1941, Serial No. 405,873
6 Claims. (Cl. 101—320)



1. In a cut-out and marking machine, a bed and a slide movable thereon, a press plunger located above said bed, the said slide movable to and from position beneath the plunger, said slide comprising a die for cutting and a print marking plate resiliently held in a position in advancement of the cutting die edge, and a resiliently mounted work supporting plate located above the marking plate with means thereon for gauging the position of work on said plate, said work supporting plate having apertures to expose the work to the cutting die and marking plate, inking means for the plate located in the path of the slide so as to pass between the plate and the slide during its movement, and means moving with the plunger engaging the work supporting plate when in position beneath the plunger without impeding the movement of the plate with the slide, for lifting the said plate with the press plunger while maintaining the plate in a plane parallel with the bed thereby applying added stripping pressure in lifting the work away from the die and marking plate, and definitely locating the supporting plate in a plane which will not interfere with the free path of the inking means between the plate and the marking plate.

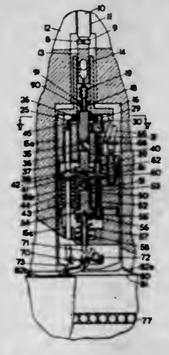
2,352,832
METHOD FOR PREVENTING DEPOSITS WITHIN WATER FORMATIONS AND ON WELL SCREENS
Norris E. Gunderson, Mishawaka, Ind., assignor to Layne-Northern Company, Incorporated, Mishawaka, Ind., a corporation of Indiana
Application October 15, 1941, Serial No. 414,996
4 Claims. (Cl. 166—21)

1. The method of substantially preventing deposits on well screens, which are located in water bearing sand formations in which said water carries ingredients tending to form deposits on said screens during pumping; which method includes selecting a reagent freely and fully soluble in water and adapted to react on said ingredients to prevent such deposit; and feeding extremely minor total quantities of said reagent relatively to said pumping flow into said formation at a plurality of introduction centers spaced at substantially uniform intervals, annularly around and away from said screen in the line of water flow to said well, and at a distance therefrom to



establish complete mingling of said reagent with said water and its action on said ingredients prior to reaching said screen.

2,352,833
CHOKE VALVE BOREHOLE INDICATING SYSTEM
Gerald L. Hassler, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 24, 1942, Serial No. 440,405
2 Claims. (Cl. 73—51)



1. In a system for continuously obtaining at the surface of a well indications of the weight on the drill bit of a drill string, choke valve means in the lower portion of said drill string, means responsive to flow of drilling fluid through said valve means for rotating said choke valve means through fully open and flow-throttling positions, latching means normally preventing said rotation of said choke means and adapted to cause said valve means to be alternatively opened and closed as the latching means are temporarily released, an elongated member of relatively small cross-sectional area freely suspended from its upper end within the lower portion of the drill string, screw-threaded member adapted to be rotated into abutting engagement with the lower end of said elongated member, first drop-off cam means carried by said rotatable screw-threaded member, first rotating eccentric drop-off pin means adapted to be pressed against said first drop-off cam means, second and stationary drop-off cam means, second drop-off pin means adapt-

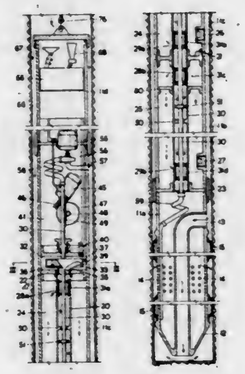
ed to be pressed against said second drop-off cam means, said first and second drop-off pin means being adapted to release temporarily the engagement of said latching means within said choke valve means when drop-off occurs, means for rotating said eccentric drop-off means, and means at the surface of the well for recording the pressure changes of the circulating drilling fluid in the drill string.

2,352,834

METHOD OF AND MEANS FOR ADJUSTING FLOW RATES OF FLUIDS THROUGH FORMATIONS TRAVERSED BY BOREHOLES

Gerald L. Hassler, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application May 9, 1942, Serial No. 442,378
7 Claims. (Cl. 166—1)



1. A method for substantially equalizing fluid flow into the various porous strata traversed by an open borehole of fluid injection wells of flooding or repressuring systems, comprising successively applying to portions of the borehole the treatment comprising the steps of packing off a desired vertical portion of the borehole, forcing a fluid into the borehole walls surrounding said portion, measuring the rate of said flow at a point adjacent said portion, indicating at the surface of the well said measured flow rate, and while maintaining said vertical portion packed off changing said flow rate by injecting into said portion of the borehole a fluid comprising a substance capable of modifying the resistance to fluid flow through the formation to a predetermined value whereby the resistances to fluid flow of the various portions of the borehole are substantially equalized.

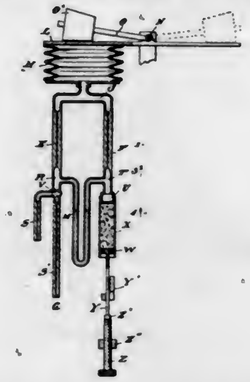
2,352,835

APPARATUS FOR AND METHOD OF DETERMINING PHYSICAL PROPERTIES OF POROUS MATERIAL

Kenneth L. Hertel, Knoxville, Tenn., assignor to University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee

Application September 13, 1939, Serial No. 294,727
10 Claims. (Cl. 73—51)

1. Apparatus for determining the relative resistance to fluid flow offered by porous material comprising a plurality of fluid conduits connected to form the four arms of a bridge, each offering a substantial resistance to fluid flow and one being constructed to contain the porous material, means for causing fluid to flow simultaneously through both sides of said bridge, means



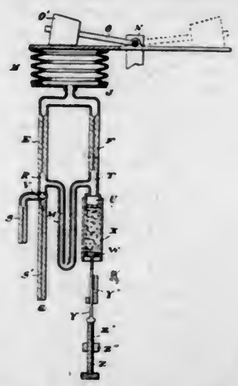
for adjusting the resistance to fluid flow offered by one arm of the bridge other than that containing the porous material, until a condition of balance is obtained, and means for indicating the degree of said adjustment.

2,352,836

METHOD OF AND APPARATUS FOR DETERMINING PHYSICAL PROPERTIES OF POROUS COMPRESSIBLE MATERIALS

Kenneth L. Hertel, Knoxville, Tenn., assignor to University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee

Original application September 13, 1939, Serial No. 294,727. Divided and this application June 8, 1942, Serial No. 446,210
8 Claims. (Cl. 73—51)



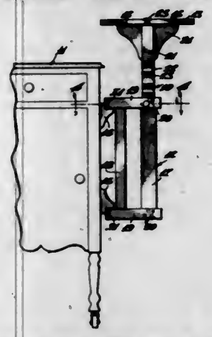
1. The method of determining physical factors related to the resistance to fluid flow offered by a confined mass of porous material which comprises first causing fluid to flow through said mass and determining its relative resistance, then varying the resistance to fluid flow offered by such mass and again determining its relative resistance, deriving an equation in terms of said relative resistances and one desired factor, and solving for that factor.

2,352,837

OVER-BED TABLE ATTACHMENT

William A. Hillenbrand, Franklin County, Ind., assignor to Hill-Rom Company, Inc., Batesville, Ind., a corporation of Indiana

Application January 16, 1943, Serial No. 472,582
3 Claims. (Cl. 311—40)



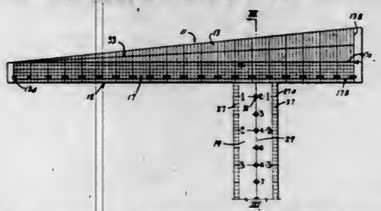
3. An overbed attachment for a table comprising a frame member, means for pivotally attaching the frame member to a table, said frame member including a vertical hollow post and a horizontal rail member secured to said post, an elevating post positioned in said hollow post and contained thereby, a table top supported by said elevating post, a rack of teeth and notches positioned on a side edge of the elevating post, said teeth having inclined edges and said notches having substantially flat faces, a blunt pointed pawl supported in the horizontal rail member of the frame and movable into and out of the hollow post through an aperture therein, a flat resilient spring member supported in the horizontal rail member interiorly thereof, said spring member engaging the pawl at a point intermediate its ends and normally actuating the point of the pawl into engagement with the notches on the rack, and means at the reverse end of the pawl for disengaging its point from the notches to permit lowering of the elevating post.

2,352,838

PRECISION SCALE

Elmer D. Hurley, Memphis, Tenn.

Application September 13, 1943, Serial No. 502,125
2 Claims. (Cl. 33—103)



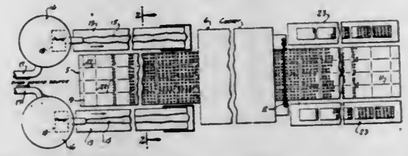
2. A precision scale comprising an elongated thin flat head, of substantially uniform thickness throughout, and an elongated thin flat blade of substantially equal thickness, disposed at right angles to one edge of said head and in end abutting relation thereto, with the upper surfaces of said head and blade lying in substantially the same plane, said blade being slidably secured for manual shifting therealong; said head longitudinally being divided into one hundred equal increments indicated by markings at right angles to its said lower edge and numbered from 0 to 100 at intervals, and by a base line extending from end to end thereof parallel to said edge, the opposite edge of said head diverging from the intersection of the zero of said markings and said base line to the one hundredth said marking in an amount of ten said increments; said blade having at least one of its edges divided into and marked at equal unit intervals of ten said increments, the first said marking being at exactly one unit interval from said head base line.

2,352,839

APPARATUS FOR ENROBING CONFECTIONS WITH CHOCOLATE

Edward C. Johnston, Nevin J. Russell, and Robert M. Jameson, Milwaukee, Wis., assignors to Robert A. Johnston Company, Milwaukee, Wis., a corporation of Wisconsin

Application November 27, 1941, Serial No. 420,682
3 Claims. (Cl. 91—2)



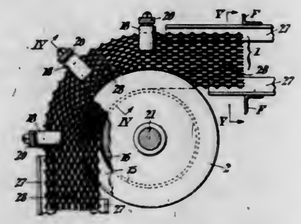
3. An apparatus for enrobing candy and other of confections with chocolate and similar coatings comprising: a coating material tempering unit having an inlet and an outlet; an endless belt conveyor suitable for supporting tempered coating material for passage along a horizontal path through an enrobing zone of substantial length; means for continuously discharging tempered coating material in substantial volume from the outlet of the tempering unit directly onto the endless belt so that the tempered coating material is carried away from the tempering unit as an exposed uninterrupted stream of substantial depth; and means for continuously conducting the tempered coating material from the end of said stream back to the inlet of the tempering unit for retempering and redischarge onto the conveyor.

2,352,840

CONVEYER SYSTEM

Harold E. Kleintop, Parkesburg, Pa., assignor to Korb-Pettit Wire Fabrics & Iron Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania

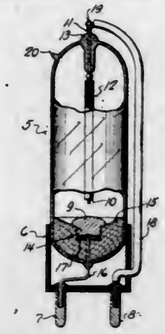
Application November 17, 1942, Serial No. 465,845
8 Claims. (Cl. 198—177)



1. A conveyer system including a flat belt with transversely extending components interengaged for capacity to take angular positions relative to each other in rounding curves; a wheel in the plane of the belt having a circumferential

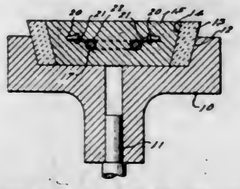
receiving groove for one edge of the belt; and guide means for engaging the other edge of the belt from opposite sides to prevent buckling of said belt as it passes about the wheel.

2,352,841
GASEOUS DISCHARGE TUBE
Stanley G. Klumb, Milwaukee, Wis.
Application April 10, 1941, Serial No. 387,966
3 Claims. (Cl. 250—27.5)



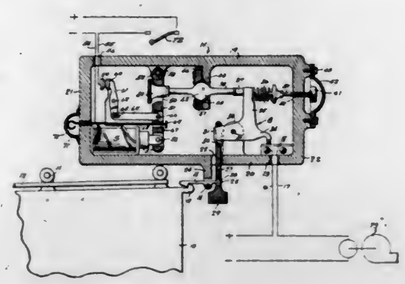
1. A gaseous discharge tube suitable for controlling the discharge of a condenser in a condenser discharge type electric fence controller wherein the tube must be capable of successfully withstanding relatively heavy loads without change in its factors determining the firing voltage of the tube comprising: an envelope from which air has been evacuated; means for mounting the envelope in an upright position; a pool of mercury in the bottom of the envelope providing a cold cathode; a solid metal electrode providing an anode; means supporting the metal electrode in a fixed position in the envelope; the end of the electrode adjacent to the surface of the mercury being of such size and shape that the spacing between it and the mercury remains substantially constant throughout a relatively wide range of possible inclination of the envelope from its intended upright position; and an inert gas in said envelope, the pressure of which determines the firing voltage of the tube with a given spacing between the anode and cathode, said inert gas having a relatively low coefficient of expansion so that the gas pressure remains substantially constant during varying temperature conditions, and said gas being resistant to absorption by the mercury and having good spark quenching characteristics.

2,352,842
CASTING PROCESS
John D. Leighton, Port Huron, Mich.
Application July 17, 1943, Serial No. 495,149
13 Claims. (Cl. 22—190)



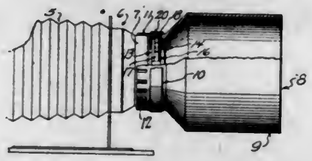
1. The method of casting which comprises placing and embedding a body of metal to be melted within an investment compound, forming one or more mold cavities within the compound and forming an opening leading from the cavity to the metal, and then melting the metal and causing the molten metal to flow through said opening into the mold cavity.

2,352,843
FIRE PROTECTIVE SYSTEM
Leroy M. Lewis, Rosemont, Pa.
Application April 17, 1943, Serial No. 483,459
3 Claims. (Cl. 169—2)



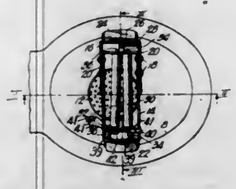
1. In an automatic control device of the character described, a housing, a bell crank pivotally mounted in said housing and including a pair of oppositely extending arms, a fire door, latch means carried by said housing, means on said door for engagement with said latch means, connections between said latch means and one of said arms; a blower fan, a switch carried by said housing and connected to the motor of said blower fan, a connection between said switch and the other of said arms, means for maintaining said bell crank in position closing said switch and maintaining said latch means in effective engagement with the means on said door, said maintaining means including a control lever, and a solenoid operatively connected to said control lever.

2,352,844
CAMERA ATTACHMENT
Robert W. Loebe, Wauwatosa, Wis.
Application January 17, 1942, Serial No. 427,133
2 Claims. (Cl. 88—1)



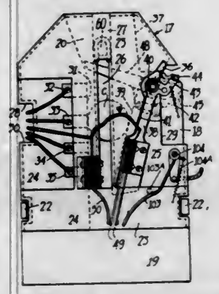
1. A combination sunshade and filter holder for cameras having a protruding lens housing comprising: a one piece body formed to provide a circular neck of a size to frictionally engage the protruding lens housing of the camera and an enlarged skirt extending forwardly from the neck to provide a sunshade; axially spaced shoulders on the inner surface of the neck defining therebetween a filter compartment adapted to hold a filter unit crosswise of the neck; said neck having an entrance slot through its side wall communicating with the filter compartment and extending for substantially one-half its circumference to enable edgewise insertion and removal of a filter to and from an operative position within the filter compartment; a closure for said slot shaped to conform to the neck and adapted to cover the entire slot; and common spring means permanently anchoring said closure to the neck and biasing the same to its closed position covering the entrance slot.

2,352,845
TOILET SEAT WRINGER
Arthur O'Neil McGowan, Jr., Kansas City, Kans.
Application October 8, 1941, Serial No. 414,081
3 Claims. (Cl. 68—248)



1. A wringer of the character described, adapted for attachment to a toilet bowl or the like, comprising a frame; a U-shaped yoke having spaced legs in sliding engagement with the frame; a support on the frame; a support on the yoke; a wedge movable to position between the frame and yoke to force the supports against the toilet bowl when the wringer is in operative position; and a pair of rollers rotatably mounted in the frame.

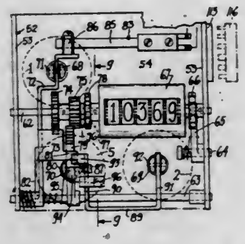
2,352,846
COIN HANDLING MECHANISM
Frank A. Marchioni and Mark E. Marchioni, Rutherford, N. J.
Original application August 24, 1938, Serial No. 226,558. Divided and this application May 28, 1942, Serial No. 444,824
6 Claims. (Cl. 235—32)



1. In a coin handling mechanism, in combination, a coin unit including a movable arm presenting an oblique edge forming one side of a passage for coins through the unit, the opposite edge of said passage being straight and vertica ly spaced contact members disposed in said straight edge, the oblique edge of said arm coacting with any of said contacts to form a seat for a circuit completing coin lodged between said arm and a contact and means including a passage clearing lever for moving said arm to enlarge the coin passage to permit release of the coin.

2,352,847
COIN HANDLING MECHANISM
Frank A. Marchioni and Mark E. Marchioni, Rutherford, N. J.
Original application August 24, 1938, Serial No. 226,558. Divided and this application May 28, 1942, Serial No. 444,825
11 Claims. (Cl. 235—32)

1. In a coin handling mechanism, in combination, a coin unit registering mechanism for actuating a register shaft in selectively varying degrees including a ratchet and detent wheel unit fixed to the shaft, a gear free on said shaft, a pawl carried by the gear for engagement with the ratchet wheel, a pivoted segment rack for



operating said gear, means for actuating the segment rack and a stop plate movable with said rack and engaging the detent wheel to arrest operation of the register shaft at a predetermined point.

2,352,848
STEROIDAL HORMONE INTERMEDIATES AND PREPARATION OF THE SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 5, 1940, Serial No. 317,419
6 Claims. (Cl. 260—397.4)

1. A Δ^{16}-unsaturated-20-keto-pregnene substituted in rings A and B at C–3 and one of C–2 and C–6 by two hydroxyl groups.

2,352,849
HALOGENATED STEROID DERIVATIVES AND PROCESS OF PREPARING SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 3, 1940, Serial No. 351,145
18 Claims. (Cl. 260—239.5)

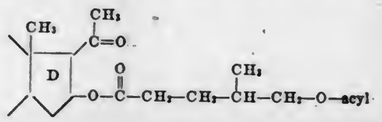
13. A sarsasapogenin ester having a monobrominated side-chain characterized in that the side-chain ($C_8H_{15}BrO_2$) is unaffected by selenium dioxide in acetic acid, and in that the side-chain ($C_8H_{15}BrO_2$) is reduced to the sapogenin side-chain ($C_8H_{16}O_2$) by the action of the combination of sodium and alcohol, said side-chain monobrominated sarsasapogenin ester being identical with the product obtained by reacting the corresponding sarsasapogenin ester with bromine in acetic acid.

2,352,850
SAPOGENIN DERIVATIVES AND PREPARATION OF SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 8, 1941, Serial No. 382,451
19 Claims. (Cl. 260—239.5)

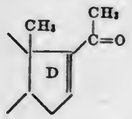
19. Pseudo-diosgenin.

2,352,851
SAPOGENIN DERIVATIVES AND PREPARATION OF SAME
Russell Earl Marker and Harry Means Crooks, Jr., State College, Pa., and Eugene Leroy Wittle, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application May 15, 1941, Serial No. 393,666
20 Claims. (Cl. 260—210)

1. The process for the preparation of steroidal compounds which comprises isomerizing and acylating the side chain attached to ring D of a glycosidic derivative of a steroidal sapogenin by reacting said glycosidic derivative with an acylating agent under conditions more vigorous than those required for mere acylation, with production of a glycosidic derivative of a pseudo-sapogenin acylated at least at the exo-hydroxyl group and in the sugar residues, oxidizing said acylated glycosidic pseudo-sapogenin derivative in the side chain attached to ring D at a temperature not substantially above 50° C., with production of an acylated glycosidic derivative of a steroid having in ring D the structure



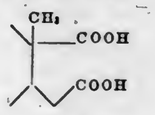
and subjecting said acylated glycosidic derivative to hydrolysis with an acidic reagent, with production of a steroid having in ring D the structure



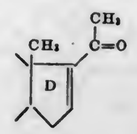
and having, in the remainder of the steroid skeleton, hydroxyl groups in place of the sugar residues.

2,352,852
SAPOGENIN TRANSFORMATION PRODUCTS AND PREPARATION OF SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application May 15, 1941, Serial No. 393,667
28 Claims. (Cl. 260—239.5)

1. The process for the preparation of steroidal compounds which comprises isomerizing and acylating the side chain attached to ring D of a steroidal sapogenin by reacting said sapogenin with an acylating agent at a temperature not substantially less than 180° C., with production of a pseudo-sapogenin acylated at least at the exo-hydroxyl group, and in either order subjecting said acylated pseudo-sapogenin to the steps of mild alkaline treatment and oxidation in the side chain attached to ring D, with production of steroids having the structures



and

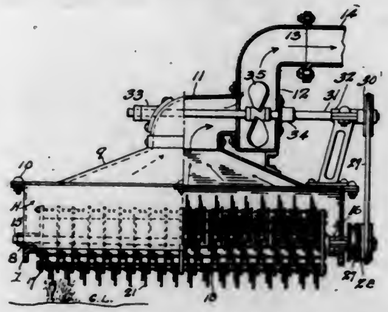


in the place occupied by ring D of the sapogenin used as a starting material.

2,352,853
OXIDATION PRODUCTS FROM SAPOGENIN DERIVATIVES AND PREPARATION OF SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application November 4, 1941, Serial No. 417,822
21 Claims. (Cl. 260—239.5)

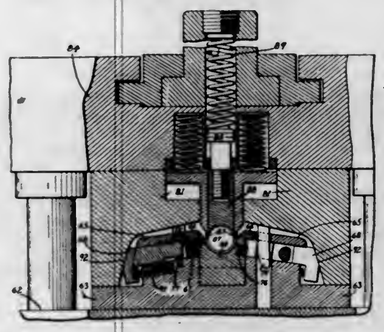
4. The process for the preparation of oxidation products of sapogenin derivatives which comprises oxidizing below 25° C. an exo-dihydro-psuedo-sapogenin unacylated in the side chain and separating the C_{27} acid thus formed.

2,352,854
SEED HARVESTER
Glen E. Miller, Lincoln, Nebr.
Application July 7, 1943, Serial No. 493,719
7 Claims. (Cl. 56—126)



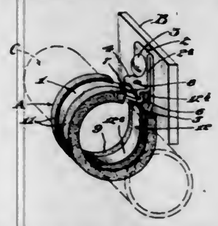
1. The combination in a portable suction-operated seed-harvester having a main frame, an open-bottom housing mounted on the frame and means for creating suction through said housing, of a rotary comb mounted on the frame and partially enclosed within the housing, said comb having longitudinally spaced transversely disposed partitions forming adjoining compartments, said comb including a multiplicity of beaters pivotally mounted within each compartment, and means for rotating the comb.

2,352,855
APPARATUS FOR MAKING COMB UNITS AND THE LIKE
Charles L. Molnar, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Original application August 1, 1940, Serial No. 349,344, now Patent No. 2,325,205, dated July 27, 1943. Divided and this application February 22, 1943, Serial No. 476,736
11 Claims. (Cl. 76—1)



1. Apparatus for making a comb unit which includes a comb plate and a supporting frame of the character described comprising, in combination, a lower cavity die for receiving the comb plate, an upper die having a work stroke for positioning the supporting frame nested in the comb plate, the lower die including pusher members slidable outwardly and inwardly with respect to the comb plate for moving the longitudinal marginal portions of the comb plate into coaction with the supporting frame, riveting plungers slidable on the pusher members for riveting the comb plate and the supporting frame one to the other, and means actuated by the upper die for operating said pusher members and said riveting plungers to perform their respective functions in said work stroke.

2,352,856
SUPPORTING CLIP
Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application June 8, 1942, Serial No. 446,301
7 Claims. (Cl. 248—74)



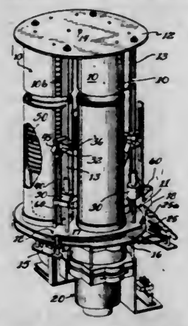
7. In a supporting clip, a resilient metal strap having a generally circular portion for supportingly embracing a conduit or group of wires and separate end portions forming parts of said strap, one of said end portions having a back run which is a substantially tangential continuation of the circular part of the strap, said run terminating in a part which is forwardly bent over upon itself to form a front run, there being an aperture through the doubled over metal to receive means for fastening the clip to a support, said front run having its terminal portion directed forwardly a short distance and then ending in a plurality of lugs which are backwardly inclined, the opposite end portion of the strap having formed upon it a hook positionable back of said lugs to maintain the clip in conduit embracing position, the last recited end portion of said strap carrying also a locking lug which occupies the space between the first recited lugs when said hook is in its operative position.

2,352,857
HOLDER FOR TAPS, DRILLS, AND THE LIKE
Leonard Nachemov, New York, N. Y., assignor to Abraham J. Sossner, Theodore S. Sossner, and Nettie Sossner, a copartnership doing business as Sossner Steel Stamps, New York, N. Y.
Application December 26, 1942, Serial No. 470,312
1 Claim. (Cl. 29—89)



In a device of the character described, the combination of a frame, a pair of aligned, adjustably spaced center-mounting elements on the frame, adapted for mounting an article capable of axial rotary movement between them, a shaft mounted on said frame adjacent to and in transverse relation to one of said center-mounting elements, an arm pivotally mounted at one end on said shaft and a resilient means adapted to urge the free end of the arm towards said one center-mounting element, whereby said arm upon contact with the article, will maintain said article in any placed position and permit manual axial rotary movement of said article to other positions about said axis.

2,352,858
DISPENSER CONTROL
Ralph A. Nicholson, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application March 23, 1942, Serial No. 435,803
7 Claims. (Cl. 312—44)



4. In a dispensing machine including a magazine adapted to hold a supply to be dispensed, and a master control to be actuated when said supply is dispensed, auxiliary control means comprising: a guide **13**, a guided member **30**, a second guided member **32**, a feeler **40** pivoted adjacent said guide, means **34—34a** on said second guided member to engage a latch part **41a** on said feeler, whereby said second guided member may be re-

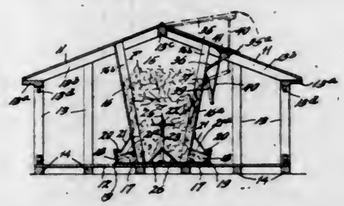
leasably held in a predetermined position provided said feeler is restrained from pivoting, said first guided member being arranged and constructed to urge said second guided member out of said predetermined position into a normal position in which said second member actuates said master control, said feeler being adapted for disposition adjacent said magazine to be restrained from pivoting by a supply therein, and to be free to pivot, as and for the purpose aforesaid when said supply is dispensed, from restraining position relative to said feeler, and means cooperable with said second guided member to effect actuation of said master control upon movement of said second member into said normal position.

2,352,859

AUTOMATIC HOG OILING AND FEEDING ASSEMBLY

Irwin H. Palmer, Aberdeen, S. Dak.

Application January 22, 1943, Serial No. 473,228
4 Claims. (Cl. 119—54)



1. A portable combined automatic hog oiling and feeding assembly comprising a rectangular building structure open at two sides thereof and including a roof and elevated flooring supported on runners, a substantially closed feed bin extending longitudinally and intermediately of said structure between said roof and flooring, feed troughs supported by said flooring on opposite sides of said bin and extending longitudinally of the latter at its lower end, discharge apertures in the lower end of said bin and communicating with said troughs, a pair of axially aligned agitator shafts extending longitudinally through said bin and respectively projecting through the opposite end walls of the building structure, a plurality of agitating arms projecting radially from said shafts, perforated oiling wheels rotatably mounted on the outer ends of said shafts respectively exteriorly of the building, whereby actuation of said oiling wheels rotates said shafts and their associated agitating means to loosen the feed in said bin and discharge the same by gravity into said feed troughs, and a door hingedly mounted in said roof and communicating with the upper end of said bin for replenishing the feed therein, said door having manually controlled means for opening and closing the same and for locking the door against displacement from any of its adjusted positions.

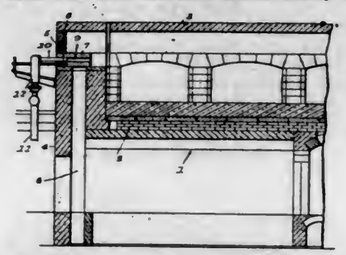
2,352,860

GLASS FURNACE

Arthur Louis Pasquier, Butler, Pa., assignor to Franklin Glass Corporation, Butler, Pa., a corporation of New York

Application November 27, 1939, Serial No. 306,375
3 Claims. (Cl. 49—54)

1. In a glass furnace the combination of a crown and an external wall having a flue therein terminating below the crown of the furnace and containing an air-port opening in the top of the said wall, a hollow burner block mounted on the top of said wall and movable transversely there-



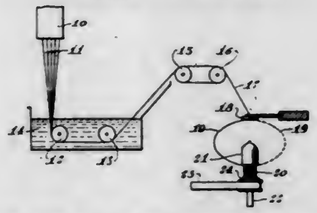
of over the open end of said flue to varying extents and means for feeding gas into the cavity of the block.

2,352,861

MAKING TWISTED MULTIFILAMENT YARN

James E. Pierce, Bay City, Mich., assignor, by mesne assignments, to The Visking Corporation, Chicago, Ill., a corporation of Illinois

Application June 19, 1941, Serial No. 398,696
5 Claims. (Cl. 18—48)



1. The method which comprises providing a plurality of supercooled strands of a normally crystalline vinylidene chloride polymer, gathering the strands into a cluster, and twisting the cluster while stretching it to effect crystallization, thereby to form a multi-strand crystalline vinylidene chloride article with a permanent set.

2,352,862

SEA WARFARE

Frank Mathew Rabuse, Kansas City, Kans.

Application June 27, 1942, Serial No. 448,867
2 Claims. (Cl. 35—1)



1. In a decoy of the kind described, a vertical bar-like member adapted to be disposed in the water, its upper portion being of substantially the size and simulating in appearance, but not

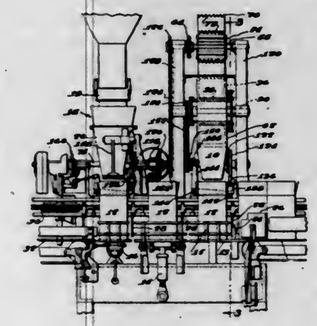
effecting the functions, of a usual periscope, two horizontal disks centrally attached one spaced above the other to said member, circumferentially spaced apart vertical radial fins attached at their inner edges to said member, and a hollow normally air tight float through which said member extends and is fastened disposed between the upper one of said disks and said upper periscope simulating portion of said member, said float containing oil and air sufficient only to enable it to float submerged and to support said upper periscope simulating portion of said member above the water.

2,352,863

PACKAGING MACHINE

George A. Robinson, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Original application July 14, 1939, Serial No. 284,414. Divided and this application April 4, 1940, Serial No. 327,764
3 Claims. (Cl. 226—94)



1. In a packaging machine, in combination, container moving means, material supply means, means for measuring predetermined volumes of material and depositing them into successive containers delivered by said container moving means, and means for preventing an insufficient supply of material being delivered to said measuring means to insure the measurement of said predetermined volumes during the operation of the machine including a pivotally mounted chute arranged to deliver the material from said supply means to said measuring means, a counterweighted balance beam for supporting one end of said pivotally mounted chute, a circuit including an electric motor for driving said measuring means, and a switch in said circuit adapted to be opened by the movement of said balance beam when the supply of material flowing through said chute is diminished below a predetermined amount.

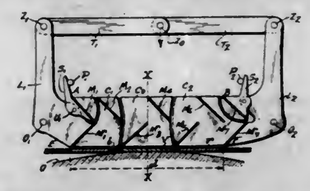
2,352,864

DEVICE FOR MAKING EXPOSURES ON LENTICULAR FILMS

Anne Henri Jacques de Lassus Saint Genies, Versailles, France; vested in the Alien Property Custodian

Application February 10, 1940, Serial No. 318,344
In France January 27, 1939
5 Claims. (Cl. 95—2)

1. In a photographic system for making exposures in three colours on lenticular films, apparatus comprising an optical device having a set of entrance zones and a set of exit zones for light, the number of each set of zones being six, an objective, a three-colour filter between said optical device and said objective, said optical device including means for blending and dispersing beams of light rays mounted in front of said objective and comprising plane facets disposed in a single tier having two portions each affected to the extent of one half by the colour filter, according to a diametrical division at right angles to the lines of separation between its



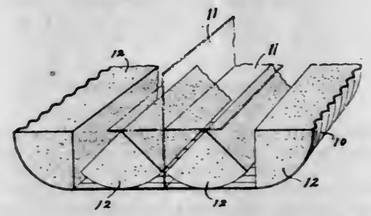
coloured zones, the inclination of the facets in one of the two portions of the blending and dispersing means being different from the inclination of the facets in the other of the said portions, the opposite faces of each facet being parallel and said facets being disposed in such a manner that each of the beams reflected once by one of said facets and reflected a second time by others of the said facets, traverses at least one sixth and at the most one half of the whole of the coloured zones of the said filter, said reflecting facets being parallel in each of said portions and at right angles as between portions.

2,352,865

CONTAINER FOR ASPHALT, TAR, AND LIKE PRODUCTS

Harry Smith, San Francisco, Calif.

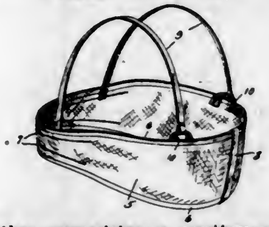
Application July 1, 1940, Serial No. 343,445
5 Claims. (Cl. 220—64)



1. A coating composition for providing a coating on the inside of a container for normally solid or semi-solid bituminous material to be poured hot thereinto and allowed to harden therein and to which said material normally adheres, said container being easily separable from said hardened material when said coating is thereon, said composition comprising a fluid containing glycerine, alcohol, acetone, cellulose acetate and toluene sulfonamide-formaldehyde resin which is clear, hard and nearly colorless, softens at about 62° C., is soluble in acetone, and is easily worked into formulae containing cellulose acetate.

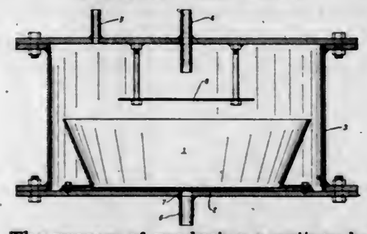
4. A container into which hot fluid bituminous material is to be poured and allowed to harden therein, having a coating on the inside thereof comprising glycerine, cellulose acetate, and toluene sulfonamide-formaldehyde resin which is clear, hard and nearly colorless, softens at about 62° C., is soluble in acetone, and is easily worked into formulae containing cellulose acetate.

2,352,866
BRASSIÈRE
Anna R. Stacy, Peoria, Ill.
Application July 1, 1943, Serial No. 493,083
1 Claim. (Cl. 2—42)



A brassière comprising a continuous circular body formed wholly of elastic material, the front portion of the body being wide and tapered off to a substantially narrow rear portion, elastic binding strips secured along the upper and lower edges of the body, a yieldable dividing strip of a length equal to the width of the body at the front thereof, the ends of the dividing strip being secured to the elastic binding strip, the intermediate portion of the dividing strip being free of the body, whereby the body is normally extended, and shoulder straps secured to the body.

2,352,867
PRODUCTION OF AGGREGATES OF ALUMINUM HYDRATE
Vernon M. Stowe, Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 28, 1942, Serial No. 440,882
14 Claims. (Cl. 18—48)

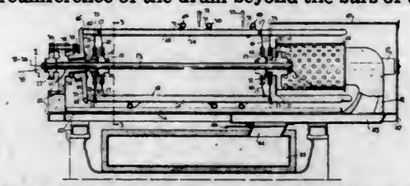


1. The process of producing a unitary body of predetermined shape from previously formed particles of crystalline aluminum hydrate comprising forming a plurality of such particles into a mass having the shape of the unitary body to be produced, and subsequently subjecting said mass to a flow of an alkali-metal aluminate solution which is capable of forming on said particles additional crystalline aluminum hydrate, said operation being carried out for sufficient time for the formation of additional crystalline aluminum hydrate uniting adjacent particles.

12. A molded body of alpha aluminum trihydrate comprising a plurality of particles of alpha aluminum trihydrate bonded together by additional alpha aluminum trihydrate.

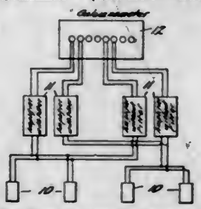
2,352,868
RAYON SPINNING CAGE
John P. Tarbox, Philadelphia, Pa., assignor, by mesne assignments, to Industrial Rayon Corporation, a corporation of Delaware
Application March 15, 1941, Serial No. 383,628
8 Claims. (Cl. 28—71.5)

1. Device for continuously treating threads, filaments, or the like; said device including a rotatable drum upon which the thread or the like is wound and advanced in the longitudinal direction of the drum in generally helical turns; the circumferential portion of said drum being composed of two sets of bars, the bars of different sets alternating with each other; means for supporting the bars rotatably about axes extending in the longitudinal direction of the drum, the axis of rotation for the one set of bars being eccentrically arranged to the axis of rotation for the bars of the other set, so that the bars of each one set project radially outwardly for a portion of the circumference of the drum beyond the bars of the



other set; the supporting means for at least one set of bars being adapted to allow reciprocal composite movement of the bars in their general longitudinal direction; means separate from said supporting means adapted to reciprocate said reciprocably supported bars once during each rotation of the drum; said last-named means comprising a structure which is rotatably supported by a stationary part of the device, the axis of rotation for that structure being inclined and extending near to the axis of rotation of the reciprocable bars; said reciprocable bars engaging and rotating with said structure.

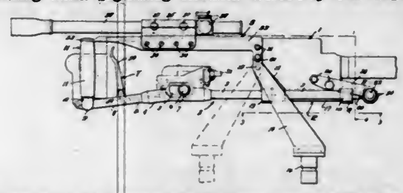
2,352,869
SEISMIC SURVEYING
John F. Tolk, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application February 23, 1943, Serial No. 476,851
9 Claims. (Cl. 177—352)



1. In a method of seismic surveying which involves firing an explosive charge to create seismic waves in the earth, detecting said waves at a plurality of remote points, converting the same to separate electrical wave form signals, and amplifying and recording such signals, the steps which comprise causing the electrical wave form signals from each such point to flow through two separate paths, filtering the signals in one only of such paths to emphasize a restricted band of frequencies, and separately and simultaneously recording the signals flowing in both paths.

2,352,870
MACHINE GUN CRADLE STRUCTURE
John C. Trotter, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application April 10, 1940, Serial No. 328,989
1 Claim. (Cl. 89—37)

A machine gun mount comprising a cradle for a gun, having side portions and means in each portion for slidably mounting a gun for movement relative to the cradle upon recoil of the gun, a handle for the gun secured to the rear end of the cradle, a means for sighting the gun, and means supported wholly by the cradle for supporting said sighting means whereby the sighting means remains stationary during the recoil of the gun, said supporting means including a bracket mounted on one of the said side portions which forms the cradle, a bridge member rigidly attached to said bracket and a handle of the gun, and a clamp rigidly mounted on said bridge member to which the sighting means is secured.



2,352,871
PARACHUTE
George N. Vernon, San Francisco, Calif.
Application March 24, 1942, Serial No. 436,033
7 Claims. (Cl. 244—142)



1. A method of limiting the initial free opening of a parachute to a spread less than its full opening while permitting an immediate continuation of such initially-limited free opening to a full opening, consisting in intertwisting all shroud lines for a predetermined length into a compact unit form while leaving the shroud lines above and below the unit completely free from one another.

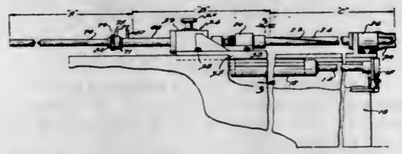
2,352,872
REINFORCED GAME BALL
William J. Voit, Los Angeles, and Leith C. Weimer, Southgate, Calif.; said Weimer assignor to said Voit
Application August 13, 1941, Serial No. 406,684
3 Claims. (Cl. 273—65)



3. In a hollow athletic ball adapted to be repeatedly inflated and deflated: a reinforcing wall

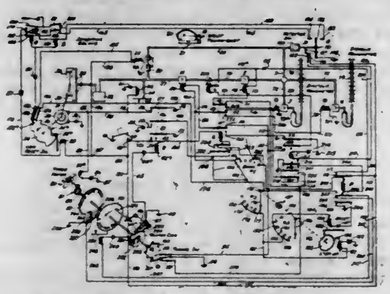
having two layers of latitudinally wound, elongated, tensionally deformed, inelastically flexible fibrous material incapable of substantial further elongation without rupture, the axis of one layer being at a substantial angle to the axis of the other layer, and said layers being bonded together in adhesive flexible material.

2,352,873
RIFLE BROACHING MACHINE
Benedict Welte, Lake Orion, and Harry H. Gotberg, Detroit, Mich., assignors to Colonial Broach Company, Detroit, Mich., a corporation of Delaware
Application January 24, 1942, Serial No. 428,044
4 Claims. (Cl. 90—33)



4. In a pull broach machine for broaching the interior of a relatively long tubular workpiece, a work fixture including a tubular housing adapted to enclose the workpiece and the cutting portion of the broach and having a thrust sustaining abutment at one end, means to supply coolant under pressure to said housing, a sleeve mounted in said housing adjacent said abutment and adapted to fit one end of the workpiece and hold the entire workpiece in alignment with the path of travel of the broach, the opposite end of the work being freely suspended in said housing, means operable from the exterior of said housing for clamping the workpiece in said sleeve, said last named means comprising a pair of cylindrical elements movable toward each other in a transverse bore formed in the walls of said housing and intersecting the bore of said sleeve in offset relation, and means for forcing said cylindrical elements toward each other and into engagement with the workpiece.

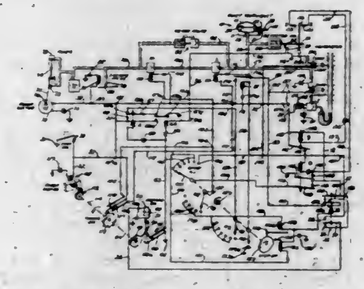
2,352,874
CARDIOMETRIC APPARATUS
Bradlee W. Williams and Homer S. Williams, Chicago, Ill., assignors to Tech Equipment Company, Chicago, Ill.
Application July 14, 1941, Serial No. 402,359
29 Claims. (Cl. 128—2.05)



1. Apparatus of the class described comprising, in cooperative combination, means for applying a pressure upon an artery, means for increasing said pressure from a sub-diastolic to the

diastolic level of an artery under test, means coacting with said applying means for detecting arterial pulses in said artery, means controlled by said detecting means to arrest pressure increase as aforesaid by detection of a certain number of pulses, means for manifesting the applied pressure following arrest as aforesaid, as a measure of the diastolic pressure, means for thereupon automatically increasing said pressure to an occluding level, means for reducing said pressure automatically from occluding level in measured decrements until a certain number of pulses are detected by the detecting means, and means for manifesting the applied pressure, upon cessation of reduction as aforesaid, as a measure of the systolic pressure, and means for coordinating operation of the aforesaid means whereby to procure automatic operation thereof for the purposes and in the order named.

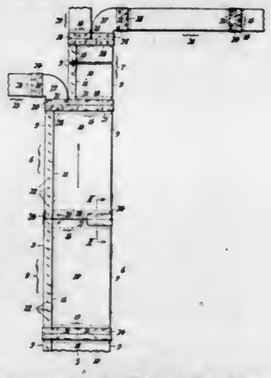
2,352,875
CARDIOMETRIC APPARATUS
Bradlee W. Williams and Homer S. Williams, Chicago, Ill., assignors to Tech Equipment Company, Chicago, Ill.
Application July 14, 1941, Serial No. 402,360
21 Claims. (Cl. 128—2.05)



1. Apparatus for ascertaining the diastolic and systolic blood pressure and comprising, in combination with an inflatable tourniquet and means for delivering an inflating pressure thereto, the following instrumentalities, namely: means for increasing said inflating pressure by increments of substantially fixed measure from a sub-diastolic level, means for detecting arterial pulses, means for indicating the pressure in said tourniquet, means controlled by said detecting means if a group of several test pulsations occurring in succession are detected for signalling that the diastolic pressure level has been reached, means for causing said inflating pressure to continue to increase thereafter, and means actuated under control of said detecting means in the absence of detected pulses in a measured time interval for arresting delivery of inflating pressure to the tourniquet.

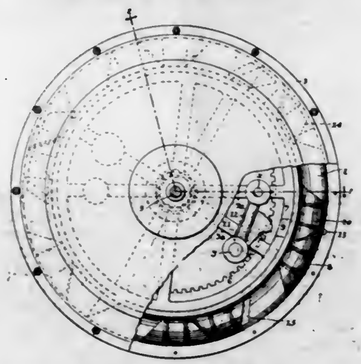
2,352,876
COLLAPSIBLE CONDUIT
Ladd L. Wilson, Oxford, Ohio, assignor to Norristown Magnesia & Asbestos Co., Plymouth, Borough of Norristown, Pa., a corporation of Pennsylvania
Application July 25, 1942, Serial No. 452,361
3 Claims. (Cl. 138—53)

1. Conduit fabricated from unitary sheet corrugated fiber-board having an integrated strata of fire-proofing substance on both faces thereof; creases formed along spaced corrugations of said fiber-board to define longitudinal sections with one of the outer sections embodying a similarly-creased relatively-foldable portion to provide an overlap; attaching elements securing said overlap to the complemental outer part of the other outer section of the fiber-board; a thin sheet ma-



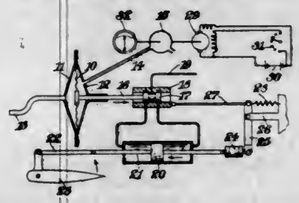
terial insert connector device, having a medially located surrounding fin, in width not exceeding the thickness of the fiber board, rigidly coupling the adjoining ends of aligned lengths of such conduit without exterior projection; and means for attaching the adjoining ends of the conduit to the insert connector.

2,352,877
ROTARY ENGINE
Harry F. Wolstenholme, Paterson, N. J.
Application March 30, 1942, Serial No. 436,756
3 Claims. (Cl. 121—49)



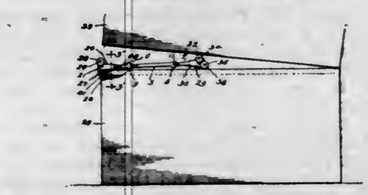
1. A rotary engine including an element itself including an annular cylinder having a slot extending continuously of the cylinder around the main cylinder-axis and also having an intake port and an exhaust port, a rotor projecting through said slot and having spaced abutments in the cylinder, one such element being rotatable around said axis relatively to the other, an oscillator element rotative around said axis and projecting through the slot and having a piston in the cylinder movable from either abutment into proximity to the other abutment, and means, carried by the rotor element and including a rotary member tractively engaged with a portion of the first-named element circumferential of the cylinder and concentric with said axis, to move the oscillator element relatively to the rotor element through a given number of complete back-and-forth strokes on each complete rotation of the rotary one of the first two elements, said piston having a lengthwise segment thereof which in passing said intake and exhaust ports immediately adjoins the same of a length not greater than the advance attained by said segment relatively to the first-named element during the backward part of any stroke of the oscillator element, and said intake port being arranged forward of and adjacent the point which the forward end of said segment attains at the end of any long advance of the piston and said exhaust port being arranged rearward of and adjacent the point which the aft end of said segment attains at the end of the piston's subsequent long advance.

2,352,878
AIRCRAFT AIR SPEED CONTROL
Frederick William Meredith, London, England, assignor to S. Smith & Sons (Motor Accessories) Limited, London, England, a British company
Application June 13, 1939, Serial No. 278,940
In Great Britain June 14, 1938
6 Claims. (Cl. 244—78)



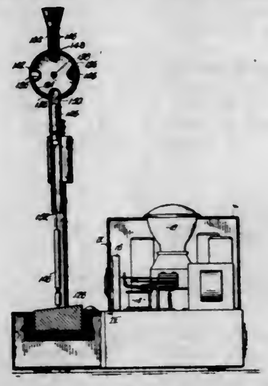
1. Apparatus for adjusting a control device for regulating the speed of an aircraft comprising a movable control member operatively connected with said control device, means operatively communicating with said control member to apply thereto a pressure in one direction which is the algebraic sum of the prevailing static pressure and a pressure proportional to the dynamic pressure of the air due to the motion of said aircraft therethrough, a constant speed motor, an air pump driven by said motor, the outlet pressure of said pump increasing with an increase in air density, and means connecting the outlet of the pump with said control member for applying to the latter an opposed biassing pressure determined by the speed of said pump and air density.

2,352,879
DEVICE FOR STACKING CASES OR THE LIKE
Ralph P. Alexander, Slater, S. C.
Application January 8, 1944, Serial No. 517,614
8 Claims. (Cl. 193—42)



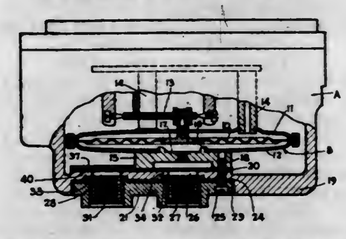
1. A device for stacking cases or the like having longitudinal and transverse strips at their tops, comprising a frame to be arranged upon the top of the lower case, end stops secured to the frame near its rear end and positioned upon the rear side of the adjacent transverse strip, side stops secured to the frame near its rear end and to be positioned upon the inner sides of the longitudinal strips, roller means mounted upon the frame near its rear end for supporting the next upper case, roller means mounted upon the frame near its forward end for supporting the next upper case, and roller means mounted upon the frame near its forward end to travel upon the lower case.

2,352,880
ARTICLE TESTING MACHINE
Boley A. Andalikiewicz and Drexel T. Carlson, Kansas City, Mo., assignors to C. Earl Hovey, trustee, Kansas City, Mo.
Application January 28, 1942, Serial No. 428,464
5 Claims. (Cl. 73—51)



3. A machine for testing articles comprising an anvil; means including a guide chute and a stand holding the chute in position for dropping the articles to be tested from a predetermined point above the anvil; and means responsive to the sound waves produced by the articles falling on the anvil when they are of a predetermined frequency to indicate such predetermined frequency as an index of the quality of the article.

2,352,881
MEANS FOR MOUNTING INSTRUMENTS IN THEIR CASINGS
Rifat Avigdor, Toronto, Ontario, Canada
Application June 10, 1942, Serial No. 446,547
In Canada April 27, 1942
5 Claims. (Cl. 73—110)



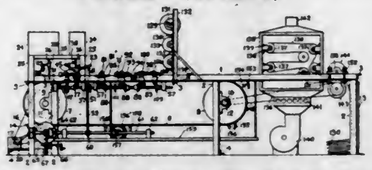
5. In an instrument of the character described, the combination with a casing of frangible material of low resistance to tensile stress and de-

signed to encase the instrument mechanism, of mounting means connected with said mechanism for mounting the latter on a wall of the casing inside thereof, and a securing member having a bearing surface of substantial area designed for bearing engagement with the outside of said wall and disposed over an area thereof substantially corresponding to but opposite to that engaging said mounting means, and connecting means extending through said wall between the mounting means and the securing member subjecting said wall to compressive stress only and equally distributed over a substantial area of the wall, said wall being orificed, said securing member being provided with an opening designed to register with the orifice in said wall, the exterior wall of the casing surrounding said orifice being recessed inwardly, said securing member being provided with a projecting boss surrounding its said opening and designed to fit in said recess, and said mounting means being provided with an orifice in register with the orifice in the wall of the casing.

2,352,882

MACHINE FOR DYEING TEXTILE FABRICS

Alexander J. Belokopytoff, New York, N. Y., assignor to Paul N. Robins, Scarsdale, N. Y.
Application October 18, 1941, Serial No. 415,537
5 Claims. (Cl. 91—9)



1. A machine for dyeing textile fabrics, comprising an endless belt, rollers movably supporting the belt, means to apply a layer of gelatinous solution to the belt, means to deposit drops of coloring solutions to the layer, a plurality of rakes with pins adapted to touch the layer, means to oscillate the rakes with the pins, thereby spreading the drops into fancy patterns, means to adjust the amplitude of the oscillations, means to apply a fabric to the layer on the belt, thereby transferring the patterns onto the fabric, a plurality of rollers supporting the fabric beyond the belt, means to rotate the rollers, thereby moving the belt and the fabric at the same speed, and means to remove the used layer from the belt.

2,352,883

PRODUCTION AND PURIFICATION OF FATTY OILS

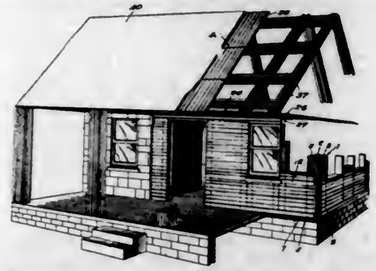
Don Sheldon Bolley, Brooklyn, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 12, 1940, Serial No. 329,303
6 Claims. (Cl. 260—428.5)

1. Method for the treatment of fatty oils containing saturated and unsaturated constituents which comprises cooling a solution of a fatty oil in a non-freezing solvent to a temperature at which the more saturated constituents will precipitate out of solution, separating from the solution the precipitated more saturated constituents together with precipitated impurities, and further cooling the solution to a temperature at which the major portion of the remaining more unsaturated constituents precipitate out of solution.

2,352,884

CORRUGATED SHEET METAL BUILDING CONSTRUCTION

Joseph M. Brinker, Washington, D. C., assignor to Elizabeth M. Brinker, Washington, D. C.
Application July 6, 1942, Serial No. 449,930
3 Claims. (Cl. 108—1)

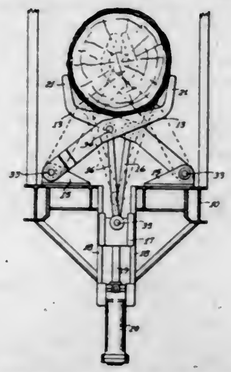


1. Metallic roof truss construction comprising a joist of corrugated sheet metal having the opposite ends bent up at an acute angle equal to the pitch angle of the roof, and a pair of roof rafters of corrugated sheet metal having their lower ends pocketed within the acute angular portions of said joist and having their upper ends lapped and secured, the corrugations of said joist and rafters extending longitudinally of said members.

2,352,885

LOAD-POSITIONING MEANS

Harry E. Bukowsky, Port Townsend, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada
Original application February 24, 1941, Serial No. 380,332. Divided and this application October 25, 1941, Serial No. 416,481
8 Claims. (Cl. 144—208)

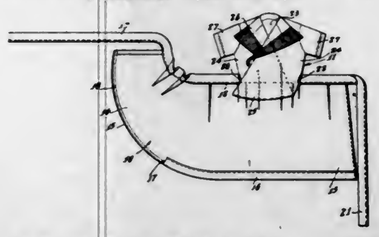


1. In a device for raising and positioning an object having a longitudinal axis, a supporting base, a pair of identical lifting arms hinged at fixed points at opposite sides of said base for movement in arcs transverse to said base, said arms having main portions extending in opposite directions beneath said object and adapted to raise said object, said arms having identical upwardly-bent end portions adapted to engage opposite sides of said object and thereby to limit the extent to which said object can be raised by said arms, fluid pressure means for moving said arms upwardly in crossed formation, whereby, when said arms are caused to raise said object to the limit permitted by said bent end portions said object will be in a predetermined axial position regardless of the size of said object but said arms will not exert any appreciable pinching action until said object has been raised to its desired position.

2,352,886

MATERNITY DRESS

Emma A. Clark, Portland, Oreg.
Application January 22, 1943, Serial No. 473,198
3 Claims. (Cl. 2—76)

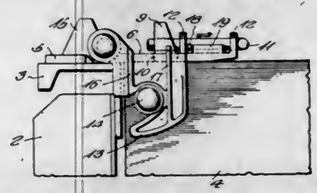


1. In a maternity dress, a blouse comprising two overlapping front portions unattached to each other at the front, and having overlapping extensions extending down considerably below the waist line, and a skirt having two side portions adapted to be wrapped over the body of the wearer in superimposed position and to retain said blouse in closed position, whereby said blouse and said skirt are separately adjustable, the flaps of said blouse and the flaps of said skirt being unattached to each other at the front of the dress.

2,352,887

ENDGATE LOCK FOR FREIGHT CARS

Samuel L. Davidson, Rutherford, N. J., assignor to The New York Central Railroad Company, a corporation of New York
Application July 14, 1943, Serial No. 494,719
3 Claims. (Cl. 105—308)



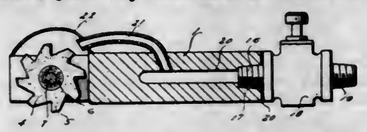
1. In a railroad car having drop end gates adapted when in open position to rest on the floor of the car, the combination with a hasp transversely pivoted on the top of the side wall of the car, and movable inwardly of the car in a plane at right angles to the inner face of the side wall, flanges depending from said hasp and designed to engage the inner and outer faces of the end gate when the gate is in closed position, and means locking the hasp to the gate.

2,352,888

KEYWAY GRINDING TOOL

William P. Dettloff, Detroit, Mich.
Application February 9, 1944, Serial No. 521,674
3 Claims. (Cl. 51—170)

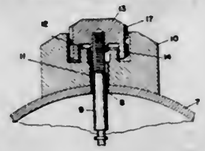
1. In a tool of the class described, a shank, a toothed wheel of abrasive material rotatably mounted on one end of the shank, an air valve mounted on the other end of the shank and adapted to be connected to a supply source of air under pressure, a conduit extending axially into said shank part way from said air valve for receiving air from said valve, and an air nozzle extending from said conduit laterally out of the shank and terminating in the plane of said wheel for directing a jet of air under pressure against the teeth of the wheel to rotate said wheel.



2,352,889

CHRONOMETER WATCH CASE

Ernest William Drescher, Township of Manheim, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application March 3, 1943, Serial No. 477,790
1 Claim. (Cl. 58—95)

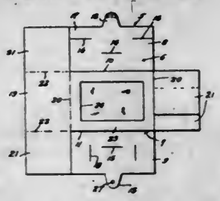


A chronometer watch comprising a case formed with a stem opening, a crown guard formed with an arcuate base accurately fitting said case, said guard being convex in form and having sloping top edges and further formed with a central bore enlarged in its upper part to provide a crown receiving chamber, a winding stem projecting through said base opening and into the enlarged bore of said guard, a crown formed with cylindrical sides sharply cut inward at the top and bottom, housed in said chamber, the inward cut top portions of said crown forming prolongations of the sloping top edges of the said crown guard, said sharply inward cut portions and the top of said crown being smooth, and said cylindrical portion of said crown being formed with a knurled surface, whereby only such portion of the knurled surface of said crown projecting beyond said crown receiving chamber is available for winding said watch.

2,352,890

COMBINED WRITING PAPER AND ENVELOPE

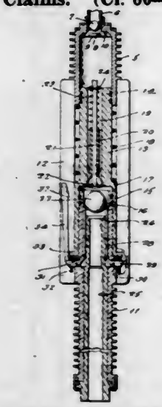
Bertha Foreman, Harlowton, Mont.
Application August 11, 1942, Serial No. 454,414
1 Claim. (Cl. 40—154)



An article of the class described comprising a sheet of writing paper including an intermediate

section composed of a body portion having upper and lower flaps, side flaps at each side edge of the body portion, upper and lower flaps on said side flaps, a paper picture frame secured to the body portion and adapted to receive a picture therein, said second-named upper and lower flaps being foldable upon the respective side flaps and said side flaps being foldable over either the front or back of the body portion, said first-named upper and lower flaps being foldable upon the folded side flaps in either folded position of the latter, horizontal slits in the first-named upper and lower flaps, tabs on the top and bottom edges respectively of the first-named upper and lower flaps adapted for insertion in said slits, said first-named lower flap also having vertical slits therein, and horizontal tabs at the side edges of the first-named upper flap adapted for insertion in the vertical slits, one of said first-named tabs having an opening to provide a hanger for the folded article.

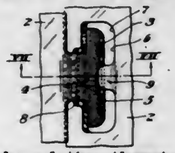
2,352,891
INTERNAL-COMBUSTION ENGINE
William A. Graves, Lomita, Calif.
Application July 1, 1942, Serial No. 449,366
3 Claims. (Cl. 60—44)



1. An engine of the class described comprising a stationary cylinder having a fuel intake, a stationary tube, means connecting the cylinder and tube in spaced apart axial alignment, a hollow piston working in the cylinder, a second cylinder carried by the piston and arranged in telescoping relation over the tube, a valve in the piston controlling communication between the cylinders, a valve in the tube closed by compression in the second cylinder, a lever pivoted on the tube, a rod slidably mounted in the tube, one end of the rod being operatively engaged by the lever and the other end of the rod engaging the last-named valve for opening the latter, said lever being arranged for actuation by the piston upon a predetermined movement thereof, and ignition means for the second cylinder.

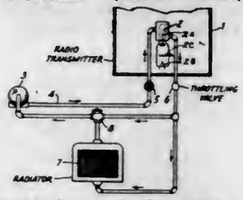
2,352,892
PORTABLE DECK
Gerald G. Greulich, Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application August 26, 1942, Serial No. 456,233
6 Claims. (Cl. 94—13)

1. A portable deck of the class described comprising a plurality of metallic plates, each of said plates having a plurality of spaced apart lugs arranged along one edge thereof, a plurality of similarly spaced apart openings arranged along the opposite edge thereof into which lugs of an adjacently disposed plate extend, each of said lugs comprising a shank and a head portion, each of the openings in said plates being similarly shaped so as to provide a portion for receiving the head portion of the lugs and a portion for receiving the shank portion thereof, with the portion of each of the openings adapted to receive the head portion of the lugs disposed substantially in the plane of the plate and the portion adapted to receive the shank portion dis-



posed angularly relative thereto whereby upon disposing the lugs in said openings and moving the plates to a horizontal position, the head portions of the lugs of each of said plates will be disposed below the plane of said plates and rearwardly of the side portions of the shank receiving portions of said openings so as to effect an interlock therebetween, the head of each of said openings being larger than the head of its mating lug in plan view, and means carried by said plates projecting into the area of at least some of said openings to prevent vertical movement of the lugs therethrough, said means being movable to permit vertical movement of the lugs through the openings.

2,352,893
COOLING OF VACUUM DEVICES
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 18, 1941, Serial No. 423,448
3 Claims. (Cl. 250—27.5)

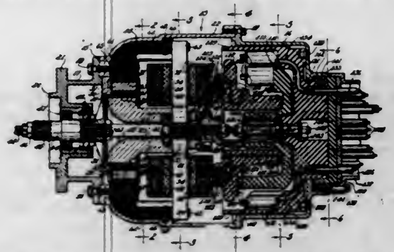


1. Apparatus for reducing the tendency to flash over by a vacuum tube having anode and cathode electrodes, comprising a jacket for the anode of the tube, a pump and connections for circulating water through the jacket under pressure, means for maintaining the temperature above the normal boiling temperature of the water, and means for dissipating electrical energy in some of the electrodes of said tube during idle operating periods of said tube.

2,352,894
MAGNETO
Kenneth A. Harmon and Sidney K. Smart, Longmeadow, Mass., assignors to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application June 26, 1942, Serial No. 448,536
12 Claims. (Cl. 171—209)

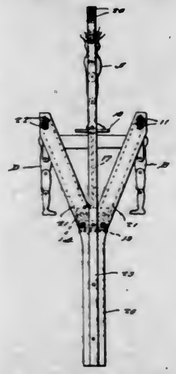
12. In a magneto, a housing of non-magnetic material having a tubular portion with a central

hollow hub supported therefrom and removable end walls for closing opposite ends of said portion, a pair of laminated flux-conducting members anchored to the wall of said tubular portion one on each side of said hub in opposed relation, each said member comprising an arc-shaped portion extending part way around the inner wall of the tubular portion parallel to a plane at right angles to the axis of said hub and provided with a plurality of angularly-spaced pole faces coaxial with said hub and a portion at right angles to the arc-shaped portion, said second-named portion extending along the inner wall of the tubular portion in a direction substantially parallel to the



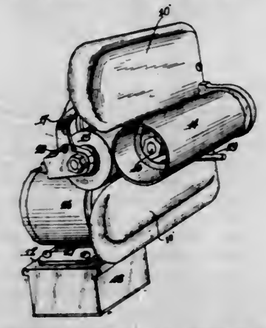
axis of said hub and terminating with a finished end face, a plurality of angularly-spaced flux-conducting members anchored to said hub and having on one end a plurality of angularly-spaced pole faces coaxial with said hub, and at the other end terminating with a finished end face, a flux conducting member having its outer ends engaged one with each of the first-named finished end faces and intermediate its ends being engaged with the second-named end faces, generating coils on the last-named member one on each side of said hub, and a magnetic rotor cooperating with said pole faces to make and break magnetic circuits through said flux-conducting members and coils.

2,352,895
FIGURE TOY
Samuel T. Hayes, Yakima, Wash., assignor of one-half to William C. Waldby, Yakima, Wash.
Application November 6, 1942, Serial No. 464,801
3 Claims. (Cl. 46—133)



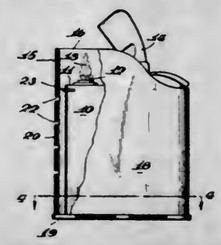
1. A toy of the character described comprising a pair of side members of substantially Y shape, a bridge member to which the side members are hingedly secured, and whirligigs supported for operation between opposed upper portions of the said side members, each of said side members being provided with a post rising above the upper portion of the corresponding side member, a whirligig mounted for operation between the upper ends of the posts, a riser on the bridge member, a platform on the riser, said platform being positioned with respect to the last-mentioned whirligig to permit the last-mentioned whirligig to tap on said platform.

2,352,896
MOTOR-OPERATED CLOTH GUIDER
Robert Hetherington, Sharon Hill, Pa.
Application July 30, 1940, Serial No. 348,367
3 Claims. (Cl. 271—2.6)



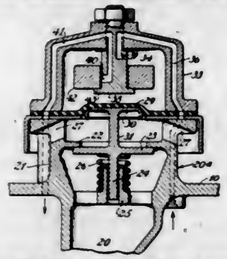
1. In an electric guider, a bracket, fixed and movable roll mountings on the bracket, the movable roll being cradle carried, a motor having an armature, a plunger casing having a guiding and supporting opening in its front end, a threaded member carried by the motor armature, a nut plunger mounted on the threaded member adapted to operate the cradle, a plunger connected with the nut and guided in the aperture guides for the nut plunger located within the casing preventing its rotation and means for closing an electric circuit through the motor in agreement with travelling stock position.

2,352,897
LIGHTER
Darold B. Hickman, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application September 13, 1943, Serial No. 502,211
5 Claims. (Cl. 67—7.1)



1. In a lighter having a wick projecting from its top wall, an imperforate shield extending above the top wall on three sides of the wick, a downwardly extending portion of the shield comprising sides engaging the lighter, and a third member joining the extending sides but out of contact with the lighter.

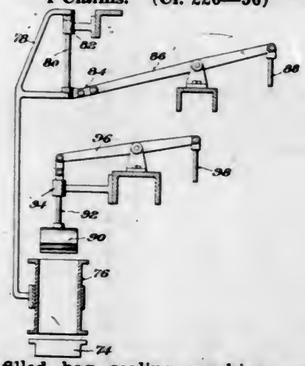
2,352,898
ENGINE BREATHER VALVE
Henry C. Hill, Montclair, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application March 7, 1941, Serial No. 382,145
10 Claims. (Cl. 121—194)



7. In an engine breather valve assembly, a fluid chamber having an elastic diaphragm, an air valve operated by diaphragm movements, a substantially vertical fluid valve stem in said chamber having axially spaced openings one of which is connected to a fluid pressure source and the other of which is connected to discharge within the engine, and a freely slidable gravity actuated sleeve movable over said stem to cover one or the other of said stem openings while leaving the other and the one, respectively, uncovered.

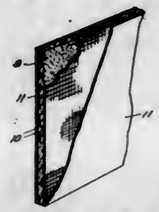
10. In a breather system for an engine crankcase, a breather passage for said crankcase, a normally closed valve in said passage, means to open said valve in response to engine operation, and means responsive to inversion of said engine from its normal position to render said valve opening means ineffective.

2,352,899
SEALING HEAD AND MACHINE
Karl R. Karlson, Montclair, N. J., assignor to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey
Application May 26, 1941, Serial No. 395,307
4 Claims. (Cl. 226—56)



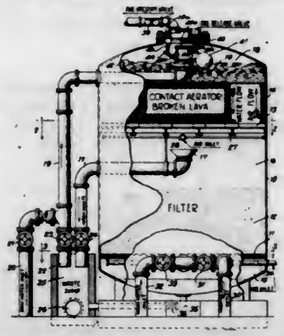
2. A filled bag sealing machine comprising downwardly movable means for exerting pressure on the upper end of a filled bag; means affording lateral support to the walls of the bag during the operation of said pressure exerting means said lateral supporting means being movable from inoperative position to operative position in advance of the operation of said pressure exerting means; means supporting the bottom of the bag against such pressure; and means for heating said supporting means.

2,352,900
COMPOSITION BOARD
Horace L. Kincaid, Tuscaloosa, Ala., assignor to Kincaid Kottentex Manufacturing Company, Inc.
Application May 13, 1941, Serial No. 393,275
1 Claim. (Cl. 154—45.9)



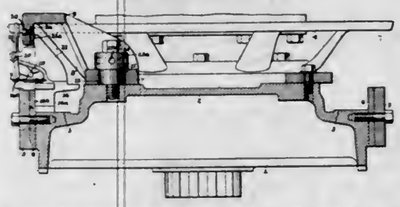
A composition board embodying a core comprising a mat formed of ground raw cotton, a fire-proof binding medium being thoroughly incorporated in the ground raw cotton, finely ground rock material covering the side surfaces of the mat, the finely ground rock material being pressed into the mat and held in place on the surface of the mat by the binding medium, flexible fabric facing strips covering the surfaces of finely ground rock and being held in place by the binding medium being thoroughly incorporated in the mesh of the fabric material, and layers of substantially heavy paper positioned against the fabric facing strips and being held in position by the binding medium.

2,352,901
APPARATUS FOR TREATING WATER
William I. Klein, East Orange, N. J., assignor to Medford Engineering Co., Medford, N. J., a corporation of New Jersey
Application July 1, 1940, Serial No. 343,376
3 Claims. (Cl. 210—26)



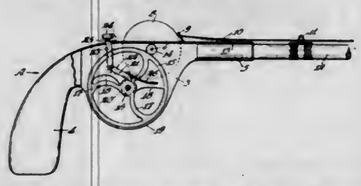
1. Apparatus for treating water, comprising in combination, a closed pressure vessel, an aeration bed of coarse porous granular material in said vessel disposed at a distance below the top, a valve-controlled raw water supply including a head above the aeration bed for spreading water under pressure uniformly across the top of said bed, a valve-controlled pipe for withdrawing treated water from the bottom of the tank, valve-controlled means including a spreader for supplying air under pressure uniformly across and below the aeration bed, the air collecting in the space in the top of the tank and affecting the top of said vessel regulated by the water level to maintain a body of air in the top of the vessel above the water and aeration bed, the air in the aeration bed causing a sludge separation from the water, some of which sludge deposits in the aeration bed, a filter bed of fine granular material in said vessel disposed at a distance above the bottom to leave a clear water space therebelow, the filter bed also being spaced at a distance below said aeration bed, a valve-controlled wash waste pipe opening into the open space between beds, a valve-controlled wash water inlet opening into the bottom of the tank, and valve-controlled means for supplying air under pressure uniformly across and below the bottom of said filter bed.

2,352,902
TENTERING MACHINE
John Kreeft, Haledon, N. J., assignor to Morrison Machine Co., Paterson, N. J., a corporation of New Jersey
Application October 21, 1943, Serial No. 507,077
3 Claims. (Cl. 26—62)



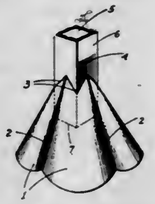
1. In a tentering machine, the combination, with fixed structure for guiding the tentering clips of such machine interlinked as components of an endless chain, said structure having, above and below and parallel with and spaced from the plane of the cloth to be tentered, flanges having surfaces facing away from the cloth, of one such clip comprising, with a base in contact with said surface of the lower flange and having an upwardly facing cloth-supporting jaw and an arm overhanging the jaw, a movable jaw pivoted in said arm and normally urged into cloth-gripping relation to the first-named jaw, said arm itself having an upward projection in contact with said surface of the upper flange.

2,352,903
FISHING REEL
Ralph R. Lawrenz, Winthrop, Minn.
Application June 11, 1943, Serial No. 490,395
4 Claims. (Cl. 43—23)



1. In a fishing reel, a casing, a spool supported by said casing and having a shaft extending into the casing, a small gear in the casing on the spool shaft, a large gear wheel in the casing meshing with said small gear, said large gear wheel having widely spaced spokes, and opposite side portions of said casing being cut away to expose a substantial portion of said large gear wheel to allow the finger of the user to engage a spoke of the wheel to rotate the same.

2,352,904
FOOTING
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Original application December 24, 1941, Serial No. 424,342. Divided and this application October 6, 1942, Serial No. 460,959
4 Claims. (Cl. 189—42)



1. A hollow upstanding footing for a vertical, structure-supporting post; said footing having a post receiving opening at its upper end, being substantially frusto-conical in elevation, and having a lower ground engaging edge of cloverleaf configuration in plan.

2,352,905
METHOD OF FORMING AND CONDITIONING COMPOSITE PRINTING PLATES AND THE LIKE
Axel E. Lundbye, Springfield, Ohio, assignor to The Crowell-Collier Publishing Company, Springfield, Ohio, a corporation of Delaware
Application June 18, 1942, Serial No. 447,583
5 Claims. (Cl. 22—203)

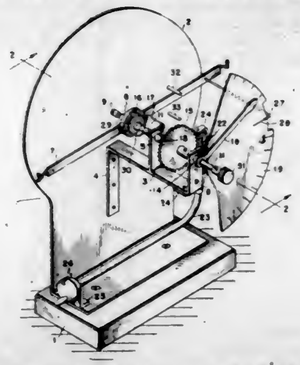


1. The method of conditioning a copper plate for the adherence of an alloy of lead, tin and antimony which consists in subjecting the plate to a bath consisting of water, zinc chloride, and ortho-phosphoric acid.

2,352,906
SPRING BALANCE
William James Lyons, New Orleans, La., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
Application March 18, 1943, Serial No. 479,576
8 Claims. (Cl. 265—68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

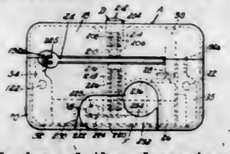
1. In a spring balance having a beam, a calibrated dial, a counterbalance spring arranged to be adjustably tensioned to counterbalance the weight of an article to be weighed when its weight is added to the beam, and an index pointer fixed to move in reference to the dial with adjustment of the counterbalance spring; means for adjusting the beam to a predetermined position relative to the calibrated dial comprising a zero-adjustment marking on the face of the dial, a balance pointer so fixed to move with the beam that it coincides with the marking when the beam is in said predetermined position, a zero-adjustment shaft projecting through the dial, and a zero-adjustment control knob fixed to the forward end of the shaft in front of the dial; and means for adjusting the tension of the counterbalance spring comprising a driving means fixed

to impart movement to one end of the counterbalance spring and to the index pointer, an index pointer control knob positioned at one side of the balance near its bottom whereby an operator can



rest his hand on the table on which the balance sits while operating the control knob, and a connection to impart movement from the index pointer control knob to the driving means.

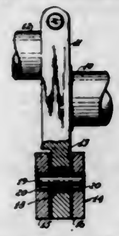
2,352,907
RECORDER
Joseph B. Mangan, Wethersfield, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application September 27, 1940, Serial No. 358,679
3 Claims. (Cl. 101—317)



1. In a device of the character described, a casing having at one end a slot adapted to receive a card having an opening therein, impression means within said casing, guide means within said casing for locating said card with a predetermined portion thereof in proper relation to said impression means, means for operating said impression means, means for locking said impression means against operation until a card is properly positioned within said casing, and means for releasing said locking means and including a manually operable plunger carried by said casing and normally located above the plane of the card when inserted within the casing, said locking means being aligned with said plunger and located beneath said plane whereby when said card is properly positioned in said casing with the opening therein aligned with said plunger said plunger may be depressed to release said locking means.

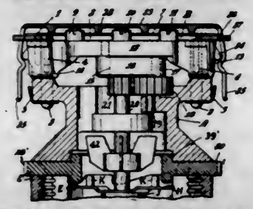
2,352,908
DYNAMIC DAMPER
Vincent T. Moore, Glen Rock, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application October 10, 1941, Serial No. 414,447
5 Claims. (Cl. 308—26)

1. An axially deformable radially rigid bushing assembly adapted to surround a shaft-like member and comprising outer and inner annular members radially spaced to define therebetween an annular space, and means disposed between said members within said annular space to permit relative axial movement of said members,



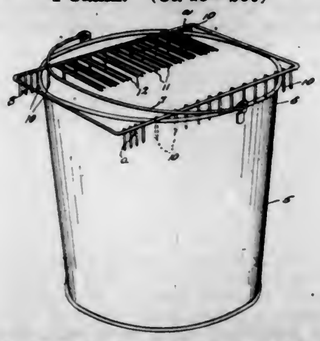
said means comprising a coil of round wire, the outer and inner surfaces of the coil turns bearing respectively on the surfaces of the outer and inner annular members.

2,352,909
SHAVING DEVICE
Rudolf Naegeli, Bern, Switzerland
Application May 14, 1941, Serial No. 393,444
In Switzerland May 22, 1940
14 Claims. (Cl. 30—43)



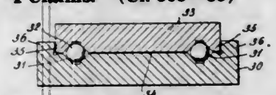
1. In a shaving device, a stationary plate having a skin contacting surface and cavities presenting cutting edges at said surface of the plate, a reciprocating razor blade overlying said surface of the stationary plate, means for reciprocating the razor blade, and means for maintaining the razor blade in close contact with said surface of the stationary plate.

2,352,910
MOP WRINGER
Rose O'Neil, New Orleans, La.
Application January 4, 1943, Serial No. 471,277
1 Claim. (Cl. 15—260)



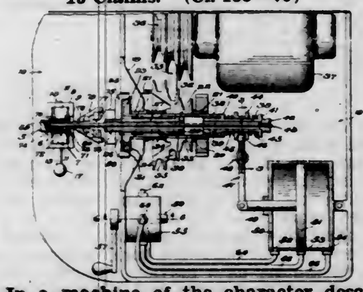
A mop wringer attachment for buckets comprising a rectangular frame of a length to extend across the top of a bucket, a plurality of mop piercing fingers projecting inwardly of the frame from one side portion thereof, and a plurality of prongs depending from opposite sides of the frame in rows, said prongs being constructed and arranged to straddle the edge portion of the bucket vertically.

2,352,911
BEARING
Joseph J. Osplack, Detroit, Mich., assignor to Vinco Corporation, Detroit, Mich., a corporation of Michigan
Application July 17, 1942, Serial No. 451,301
4 Claims. (Cl. 308—35)



1. In an anti-friction bearing, the combination with the bearing races and the interposed anti-friction elements, of a plurality of plain bearings each comprising opposed bearing surfaces of the relatively moving parts with the clearance between the bearing faces less than the compression which the anti-friction bearing parts will withstand without exceeding their elastic limit, said plain bearings having their bearing faces at different angles.

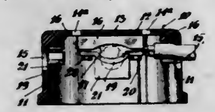
2,352,912
TUBE EXPANDING AND FLARING MACHINE
Arthur L. Parker, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application March 31, 1941, Serial No. 386,207
13 Claims. (Cl. 153—79)



1. In a machine of the character described, means for holding a tube and a surrounding sleeve, a tube expanding equipment about which the tube and sleeve are held and including a reciprocable rod movable in one direction for expanding said equipment and in the opposite direction for relaxing said expansion, a sleeve structure surrounding the rod and having a coniform flaring head thereon, and power operated means operable in one direction to move the rod in the equipment expanding direction to cause the tube to be expanded into the sleeve and operable in the opposite direction for moving the sleeve structure and the flaring head longitudinally to cause the flaring head to engage in and flare the tube.

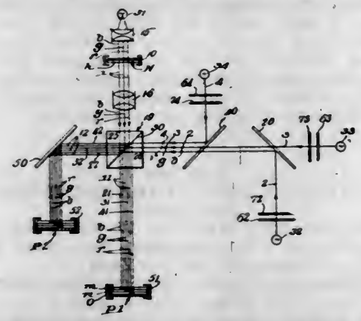
2,352,913
INSULATED OUTLET RECEPTACLE AND JUNCTION BOX AND UNITS
William Morrill Parker, Parkersburg, W. Va.
Application March 7, 1938, Serial No. 194,327
2 Claims. (Cl. 174—52)

1. An electrical outlet box comprising a body-enclosing side wall open at its front and having a weakened portion forming a knock-out cable-receiving aperture therein with its axis intersecting the open end axis of the box at substantially a right angle, a back wall for closing the rear end of the box also having a weakened opening forming a knock-out cable receiving aperture therein, a bridge member having a depressed cable engaging surface adjacent said first mentioned knock-out aperture for receiving the cable entering through said aperture, said side and back walls and said bridge member all formed in one piece of non-conductive and non-ceramic molding material with said bridge member integral both with the back and side walls and existing as a reinforced mass at the corner or angle between said side and back walls, said bridge member having clamp-receiving shoulders at opposite ends of the depressed cable engaging surface, the surfaces of said shoulders being in a plane sub-



stantially normal to the axis of the open end of the box, said surfaces and depressed cable engaging surface all facing the open end of said box, the surfaces of said shoulders and cable engaging surface being also at substantially right angles to the inner surface of the side wall of the box, the inner side wall and end walls of said bridge member being substantially straight line surfaces substantially parallel with the axis of the open end of the box, said cable engaging surface struck on an arc not exceeding 180°, said arcuate cable engaging surface, said shoulders and all other interior surfaces of said box being free of undercut pockets with reference to the open end of the box, a clamp member having portions complemental to said shoulders and arcuate cable engaging surface, and fastenings on the shoulders for securing said clamp member to the shouldered portions of said bridge member.

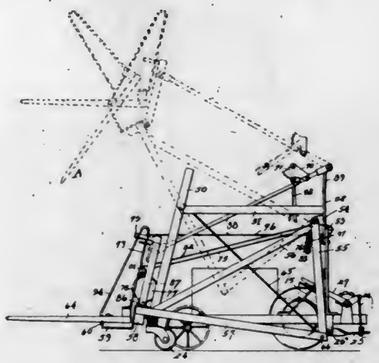
2,352,914
PHOTOGRAPHIC PRINTING
Gerald F. Rackett, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine
Application November 15, 1940, Serial No. 365,736
7 Claims. (Cl. 88—24)



1. Photographic printing apparatus comprising means for transporting a color aspect record to be reproduced, means for guiding a film carrying two emulsion layers sensitive to different spectral ranges and to be simultaneously exposed to said record, a source of printing light, means for pro-

jecting from said source a printing light beam through the record in said transporting means towards the film in said guiding means, light source means providing two beams of flashing light of two spectral ranges respectively, means for directing said flashing beams towards said film in said guiding means, and means in each of said flashing beams for controlling the intensity and spectral range of said beams.

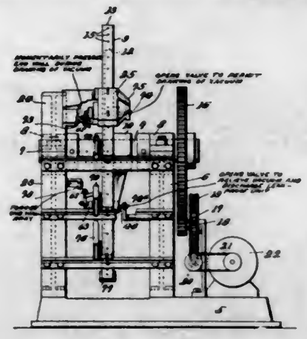
2,352,915
HAY BUCK AND STACKER
John E. Ryan, Adair County, Iowa, assignor to Ryan Floating Stacker Company, Stuart, Iowa, a copartnership
Application September 11, 1942, Serial No. 458,043
17 Claims. (Cl. 214—140)



1. A hay buck and stacker, comprising a portable frame, including a pivoted front axle adjustable as to length, wheels supporting said axle, the rear end of said frame being arched to permit a tractor to be moved into and out of said frame beneath said arch, means supporting the rear end of said frame on said tractor, means for connecting the front end of said tractor to the front end of said frame whereby the frame will be guided by the tractor as it is advanced over the ground surface, a stacker frame having its forward end supported by said axle and its rear end pivoted to said arch, a rake-supporting frame having its rear end pivoted to said stacker frame, a rake, means for pivoting the rear end of said rake to said rake-supporting frame to permit dumping of the same, means latching said rake against dumping, control means for releasing said latching means, and means for elevating and lowering said rake frame.

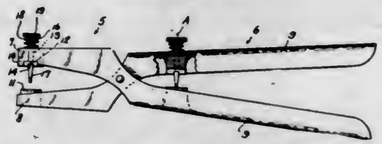
2,352,916
CONTAINER PART LEAKAGE TESTING MACHINE
Herbert Schrader, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 23, 1941, Serial No. 389,997
17 Claims. (Cl. 73—51)

2. A hollow container testing unit comprising a pocket for receiving a container having an opening at at least one end, end closure members engageable with opposite ends of a container-to-be-tested for holding the container in place and for sealing it against ingress of atmospheric air, valve means through which a vacuum can be drawn in a held container, and spring means constantly tending during the testing of a can to force said closure members apart, said spring



means being subservient to the drawn vacuum but effective upon leakage of air into a leaky container for forcing said closure members apart and releasing said container.

2,352,917
SCREW DRIVER
Gilbert W. Scott, Jacksonville, Ill.
Application February 15, 1943, Serial No. 475,979
1 Claim. (Cl. 81—5.1)

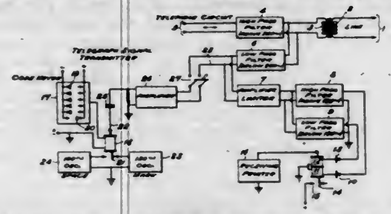


A screw driver comprising, a pair of fork shape pivoted jaws, blocks connecting the free ends of the jaws, one of said blocks having an aperture extending therethrough in axial alignment with the center of the other block and having radially disposed grooves in its inner surface and the other block having a concave upper surface opposed to the aforesaid aperture, a screw driver blade having its base portion extending across said apertured block and seated in opposite grooves therein, a shank formed on the base of the screw driver blade and extending through the aforesaid aperture, an expansion spring surrounding the shank with its inner end bearing on that block having the aperture therein, a head carried by the free end of the shank and bearing against the outer end of the spring, and handles formed on the jaws.

2,352,918
TWO-WAY TELEPHONE AND TELEGRAPH SYSTEM
J. Ernest Smith, Jackson Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1942, Serial No. 463,883
12 Claims. (Cl. 179—4)

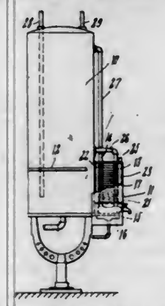
1. In a communication system, a two-way station comprising simultaneously operable telephone and telegraph apparatus, a two-conductor line, a high-pass filter offering a low impedance to the useful frequency band of telephone signals, a low-pass filter offering a low impedance to the useful frequency band of telegraph signals,

said filters having cut-off points which render the frequency bands for telephony and telegraphy substantially mutually exclusive, a telephone set coupled to said line through said high-pass filter, and telegraph signaling apparatus coupled to said line through said low pass filter,



said telegraph signaling apparatus having frequency-characterizing means for distinguishing between the marking and spacing elements of outgoing code signals and frequency discriminating telegraph signal responsive means adapted and arranged to accept and translate incoming code signals.

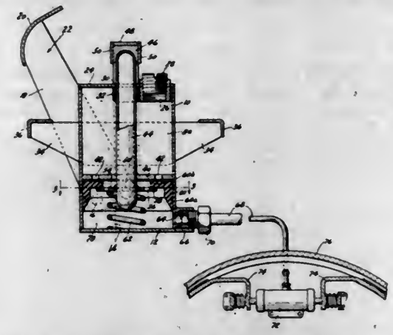
2,352,919
PROGRESSIVE WATER HEATING SYSTEM
Elmer S. Stack, Arlington, Mass.
Application May 16, 1942, Serial No. 443,295
22 Claims. (Cl. 122—14)



1. A water heating apparatus comprising a water container and a water heater associated side by side with a rising flue between them, means for causing heating fluid to pass into the bottom of said flue and rise in thermal contact with said water container, said heater having a downwardly extending receiving water section and an upwardly extending delivering water section in flow communication with one another at their lower portions, a connection arranged to lead water which has been heated in said container to the top of said receiving section, an eduction connection for hot water leading from the top of said delivery section, and guiding means arranged to conduct the heating fluid from said flue past said sections; the delivery section being located to absorb heat from the heating fluid prior to the transmission of heat into the receiving section.

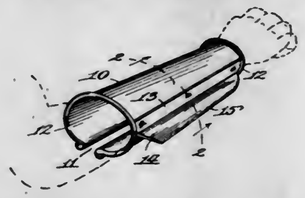
2,352,920
FLUID ACTUATED BRAKE
Vernon E. Stevens, Wellsville, N. Y.
Application January 17, 1941, Serial No. 374,794
7 Claims. (Cl. 60—54.6)

1. For use in fluid actuated brake systems, a master cylinder unit comprising a cylinder, a piston assembly located in said cylinder and separating the interior thereof into a pressure chamber and a reservoir chamber for operating fluid, said piston assembly comprising a ported backing plate, an annular piston engaging said cylinder on the pressure chamber side of said plate, said piston having a portion located to cover the ports in said plate, an auxiliary plate located on the side of said piston opposite that



of the first mentioned plate, said plates being fixed relative to each other and said piston having limited movement between said plates to permit it to open and close the ports in said backing plate, means providing for flow of fluid past said auxiliary plate independently of the position of the piston relative to the auxiliary plate, and means operative from the reservoir chamber end of the cylinder for moving said plates.

2,352,921
ARM WEAPON
Edgar Joseph Stoltz, Los Angeles, Calif., assignor of one-half to J. H. Kinkaid, Los Angeles, Calif.
Application February 4, 1943, Serial No. 474,675
2 Claims. (Cl. 30—296)



1. An arm weapon comprising a one piece sleeve-like member composed of resilient material and adapted to be worn on the forearm said member provided with a longitudinally disposed slot to permit expansion and contraction of said member throughout its length, and a blade carried by said member.

2,352,922
PAPER MANUFACTURE
Joseph J. Thomas, Springfield, Mass., Robert A. Diehm, Appleton, Wis., and Ian C. Somerville, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application October 6, 1939, Serial No. 298,240
6 Claims. (Cl. 92—21)

6. In the process of making paper of high wet strength the improvements which com-

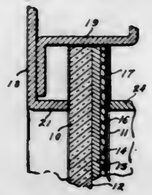
prise mixing with an aqueous suspension of paper fibers a water-soluble protein in an amount between 0.2% and about 5% of the weight of the paper fibers and a synthetic sulfonated aromatic compound having tanning properties in an amount between about 10% and about 100% of the weight of said protein, and subsequently adjusting the pH of said suspension at least to about the isoelectric point of the protein.

2,352,923

PROTECTIVE STRUCTURE FOR MIRRORS

Richard H. Turner, Falconer, N. Y., assignor to Falconer Plate Glass Corporation, Falconer, N. Y., a corporation of New York

Application June 15, 1943, Serial No. 490,861
1 Claim. (Cl. 88—105)



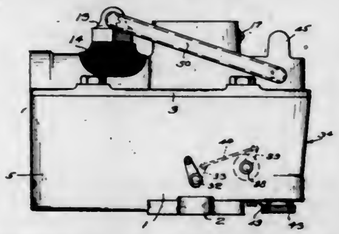
A protective backing for a mirror comprising a coating of a non-hardening material covering the entire back of said mirror, a layer of fabric, said fabric being applied under pressure sufficient to cause penetration of the material to the other surface thereof, a backing sheet bonded to said fabric by the penetrated material, and a binder strip adhered to the edges of said mirror and having a portion overlapping and adhered to the edge portion of said backing sheet.

2,352,924

CARBURETOR

Wilfred F. Vallier, Fort Smith, Ark.

Application May 13, 1942, Serial No. 442,802
1 Claim. (261—47)



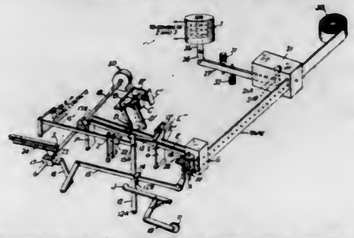
A carburetor of the character described comprising a body having a main mixture passage therein for communication with an engine manifold and the atmosphere, said body including a removable head, a float chamber for the reception of fuel in the body, means for discharging fuel from the float chamber into the passage, the head having an air chamber therein communicating with the float chamber, said head further having air intake ports therein communicating with the air chamber and still further having an opening therein, a substantially bell-shaped spreader mounted in the air chamber in spaced relation to the walls thereof and extending downwardly therefrom into the float chamber, a neck on the spreader extending through the opening in the head, a screen on the head over the ports, a cap threadedly mounted on the neck for securing the spreader in position, said cap being engaged with the screen, said cap communicating with the spreader, another chamber in the body, the third-named chamber communicating with the passage, a pipe extending through the cap and communicating therewith at an intermediate point, said pipe communicating, at its ends, with the third-named chamber, a valve controlling the passage, a valve controlling the communication of the third-named chamber with said passage, and means connecting the valves for opening and closing the same in unison.

2,352,925

TAPE PERFORATING SYSTEM

William Edward Walker, San Francisco, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application April 10, 1943, Serial No. 482,553
5 Claims. (Cl. 164—113)



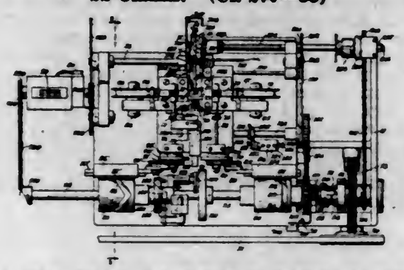
1. Apparatus for perforating feed guide holes in tape concurrently with an incoming telegraph signal comprising a utilization device, a tape punching means, a solenoid linked with said tape punching means, a linkage system associated with said utilization device, contact means actuated by said linkage system, and actuating means whereby said contacts are closed by movement of said linkage system to energize said solenoid and to punch said tape in step with the telegraph signal.

2,352,926

APPARATUS FOR MAKING CAPACITORS

Felix Weiss, Plainfield, N. J., assignor to Cornell-Dubilier Electric Corporation, a corporation of Delaware

Application August 2, 1940, Serial No. 349,725
22 Claims. (Cl. 270—58)



1. Mechanism for stacking sheets of insulation and conducting material to form a condenser, comprising a stacking nest fixed in position and having a platform constituting the bottom thereof and sides provided with retaining corners to receive the insulating sheets, conducting strip entrance spaces between two pairs of

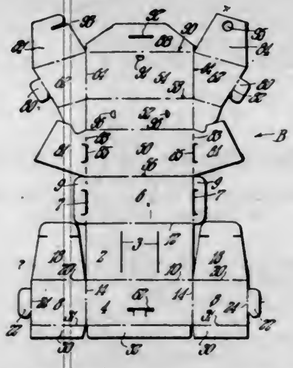
the corners, means for supplying conducting strips, feeding rollers for feeding the conducting strips into the nest through the respective entrance spaces, a pair of knives for severing respectively the two conducting strips outside said corners, a hopper for holding a stack of the insulating sheets, a hollow rod having an end movable back and forth between the hopper and the nest, a vacuum line connected to said hollow rod, a valve for turning on and off the vacuum, and a power driven shaft which drives cams having cam followers which operate the conducting strip feeding rollers, the knives, the valve and the rod, the cams being angularly related to each other so that vacuum is applied to the rod when its end is in the hopper and released when in the nest, and the conducting strip supply means operated to feed a length of conducting strip into the nest after each trip of the rod to the nest, the conducting strip being taken alternately from the two rolls to build up the entire condenser.

2,352,927

LUNCH BOX AND BLANK

Earl B. Whitehead, Norwich, Conn., assignor to Normain Corporation, Norwich, Conn., a corporation of Delaware

Application January 7, 1943, Serial No. 471,585
2 Claims. (Cl. 229—27)



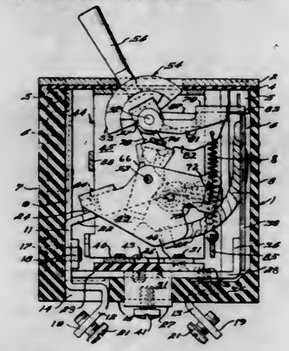
1. A blank for forming into a lunch box comprising in combination, a single sheet of material having longitudinally spaced transverse hinge lines providing a plurality of walls for a lower receptacle and a plurality of walls for an upper cover compartment, the walls for the receptacle including receptacle front, bottom and rear walls and the walls for the cover compartment including cover rear, top and front walls with the receptacle and cover rear walls hinged together, the receptacle front wall having receptacle end walls hinged to opposite ends thereof and tabs hinged to one side of each of said end walls, the receptacle front, rear and end walls foldable to set-up position relative to the receptacle bottom wall to form therewith a receptacle and said rear wall and end walls having engageable connections whereby said walls may be held in set-up receptacle forming position, the bottom wall provided with slits and the said tabs being foldable onto said receptacle bottom wall and having end portions receivable in said slits, the cover rear and front walls having end walls hinged to opposite ends thereof, said cover rear and front walls foldable into set-up position relative to the top wall, said end walls hinged to said rear and front walls foldable into overlapping relation and having engageable connections whereby to hold said rear, front and end walls in set-up position relative to said top wall to form therewith a compartment, flap members hinged to a side of the end walls which are hinged to the front wall, said last mentioned flap members being foldable inwardly towards one another, a connector movably connected to one of said flaps and having a free end, and the other flap member and the free end of the connector having engageable means whereby said flap members may be connected together and said flap members and connector extend over said compartment.

2,352,928

CIRCUIT BREAKER

William H. Woods, Garden City, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application February 1, 1943, Serial No. 474,315
8 Claims. (Cl. 200—116)



5. In an automatic electric circuit breaker, a stationary contact, a movable contact, a pivotal switch member movable to move said movable contact for engagement and disengagement with said stationary contact to make and break an electrical circuit therethrough, a pivotal element provided with a pair of leg members, overcenter spring means interconnecting said switch member and said pivotal element, spaced flange portions provided on one of said leg members, a manual operator, an arm carried by said manual operator and extending between said spaced flanges, said arm on movement of said manual operator being adapted to alternately apply force to said spaced flanges to effect movement of said pivotal element in alternate directions to actuate said overcenter spring means and effect snap movements of said pivotal switch member to and from contacts engaged position, a pivotal trip member, spring means continually biasing said trip member for movement in one direction, and a bimetallic element restraining said trip member from movement, said bimetallic element releasing said trip member for movement on the occurrence of a current overload.

2,352,929

VEHICLE LUGGAGE COMPARTMENT DOOR OPERATOR

John D. Worgess, Jacksonville, Fla.

Application May 26, 1942, Serial No. 444,567
4 Claims. (Cl. 180—1)

1. In a motor vehicle having a luggage compartment provided with an upwardly swinging door, and an engine, means for effecting the opening of said door from the front part of the

vehicle, comprising an arm connected with the inner side of the door, an oscillatably mounted thrust bar operatively coupled with said arm, a power piston operatively coupled with said bar to effect oscillation of the same, a connection between the power piston and said engine for effecting the transmission of exhaust gases under pressure to the under side of said piston and the



actuation of the latter for the opening of the door, a valve interposed in the line for controlling the flow therethrough, automatic means for moving the valve and maintaining the same in a position to close flow through the connection to the power piston, and manual means for moving the valve in position to open the connection between the power piston and engine.

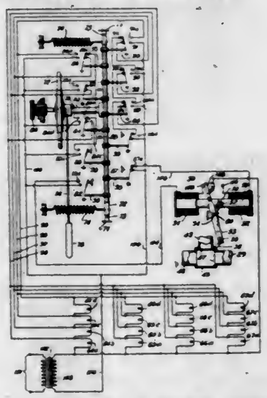
2,352,930

AIR CONDITIONING

Philip P. Anderson, Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application December 9, 1941, Serial No. 422,225

12 Claims. (Cl. 257—3)



8. An air conditioning system comprising a heating unit and a cooling unit adapted, respectively, for heating and cooling a space to be conditioned, a thermostat including a movable control member responsive to changes in temperature of the space to be conditioned, a first set of contacts successively closed by movement of said control member as the ambient temperature increases from a predetermined value, a second additional set of contacts successively closed by movement of said control member as the ambient temperature decreases from said predetermined value, said control member always having movement through distances functionally related to changes in temperature, means controlled by the closing of the first contacts of each of said said sets by movement of said control member to render said cooling unit or said heating unit selectively operative, and means controlled by the closing of the remaining contacts of each of said sets by movement of said control member to progressively increase the heating or cooling effect of said units.

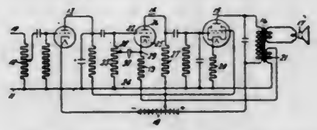
2,352,931

FREQUENCY RESPONSE CONTROL CIRCUIT

Kirby B. Austin, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application July 1, 1941, Serial No. 400,631

11 Claims. (Cl. 179—171)



1. In a system for amplifying signals having frequencies extending over a predetermined frequency band, the combination of an amplifier for said signals having a control element and a cathode, an impedance element connected between said control element and a reference point, a circuit connection between said cathode and said point including a plurality of means for supplying feedback voltages to said grid at signal frequencies, and an alternating current connection from an adjustable point on said impedance element to a point on said circuit connection between said reference point and said amplifier, said connection including an impedance of such value that the frequency response characteristic of said amplifier is varied by movement of said adjustable point on said impedance element with substantially little change in the gain of said amplifier.

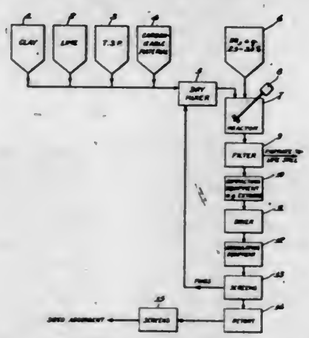
2,352,932

ADSORBENT

Elliott P. Barrett and James R. West, Pittsburgh, Pa.

Application April 3, 1942, Serial No. 437,508

19 Claims. (Cl. 252—265)



1. That method of making an adsorbent which comprises reacting, in the presence of water available lime and available phosphate in contact with clay and carbonizable organic matter to precipitate an insoluble basic phosphate which is more alkaline than hydroxyapatite, forming the product into shapes or granules, and heating the shaped particles to carbonize said organic matter and render the granules mechanically strong at a temperature below that at which the clay vitrifies.

17. As a new article of manufacture, a clay base adsorbent comprising fired but non-vitrified granules of clay having distributed uniformly therethrough carbon and a water-insoluble basic calcium phosphate which is more basic than hydroxyapatite, said carbon and phosphate having been formed in contact with said clay, and said granules having power to decolorize and having alkaline buffering action upon raw sugar solutions at least equivalent to those of bone black of the grade used for refining raw sugar solution.

2,352,933

ELECTRIC DISCHARGE DEVICE AND METHOD OF FABRICATION THEREOF

James E. Beggs, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application October 29, 1942, Serial No. 463,784

19 Claims. (Cl. 250—27.5)



1. An electric discharge device comprising a header supporting a plurality of spaced vertical conductors, an electrode assembly comprising a pair of parallel insulating spacers provided with openings through which said conductors are threaded, said electrode assembly comprising a wall-like electrode for maintaining said spacers in position and having a plurality of metallic tabs extending through and bent over said spacers to form a rigid assembly, and conductor means positioned above the top insulating spacer for connecting electrodes to said vertical conductors.

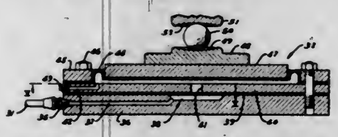
2,352,934

HYDRAULIC FORCE TRANSMISSION

Robert S. Bohannan, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application June 4, 1941, Serial No. 396,601

6 Claims. (Cl. 265—47)



1. In a weighing scale, in combination, a load receiver, a plurality of capsules supporting said load receiver, a primary diaphragm in each of said capsules, said primary diaphragm constituting a wall of an enclosure in said capsule, a secondary diaphragm constituting another wall of said enclosure, said primary and said secondary diaphragms being adapted to confine a quantity of liquid in said enclosure, a load supporting plate overlying said primary diaphragm and being supported solely thereby; an inlet for the introduction of such liquid into said enclosure and means for sealing said inlet and a secondary enclosure on the opposite side of said secondary diaphragm from the first mentioned enclosure and adapted to contain liquid to receive unmodified pressure through said secondary diaphragm without change in pressure per unit of area from liquid confined in the first mentioned enclosure.

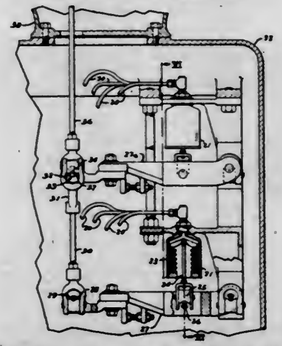
2,352,935

WEIGHING SCALE

Robert S. Bohannan, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application June 13, 1941, Serial No. 397,945

1 Claim. (Cl. 265—47)



In a weighing scale, in combination, a plurality of load receivers, a load counterbalancing device, a plurality of capsules supporting each of said load receivers, a plurality of pressure responsive chambers, each of said capsules being in communication with one of said chambers, said chambers being associated in groups, a combining lever actuated by each of said groups of pressure responsive chambers and vertically disposed linkage members connecting each pair of neighboring combining levers, said linkage members holding said combining levers parallel to each other and all of said linkage members constituting a connection for transmitting force to said load counterbalancing device.

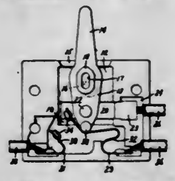
2,352,936

OPERATING SYSTEM FOR DISCHARGE LAMPS

Frank D. Bryant, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York

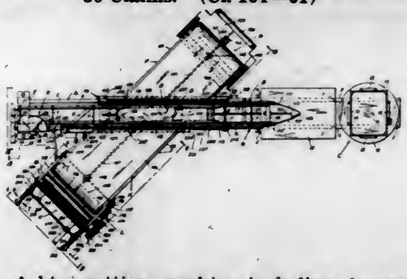
Application July 21, 1942, Serial No. 451,699

2 Claims. (Cl. 200—5)



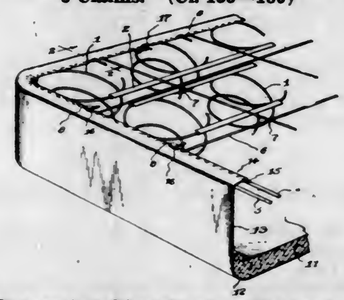
1. An electric switch for starting and operating a discharge lamp having spaced filaments comprising a base forming a chamber, a pair of main contacts and spaced auxiliary contact means held in the chamber, an operating member pivotally supported on the base, a shorting member held on the operating member for closing the main contacts in a starting position of the operating member, a projection on the operating member for closing the auxiliary contact means in the starting position, said auxiliary contact means including a spring blade which in the starting position exerts a biasing force on the operating member and upon manual release of the latter forces it away from the starting position into an operating position in which the main contacts only are closed.

2,352,937
BIAS-CUTTING MACHINE
Edward B. Case, St. Louis, Mo.
Application June 9, 1943, Serial No. 490,135
36 Claims. (Cl. 164—61)



1. A bias-cutting machine including, in combination, a cutter, a mandrel, and means comprising an endless belt arranged for travel in a linear path extending in advance of, under, and rearwardly of, the cutter and mandrel for feeding the uncut cloth to, and shifting the cut cloth from, the cutter.

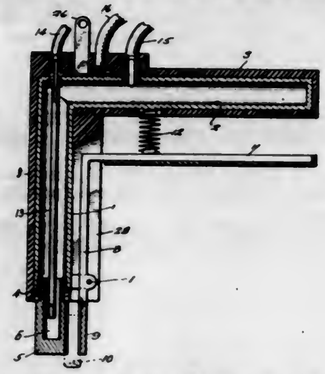
2,352,938
SEAT CUSHION
John M. Caughey, Adrian, Mich., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich., a corporation of Michigan
Application September 4, 1942, Serial No. 457,344
3 Claims. (Cl. 155—180)



3. In a seat cushion structure, the combination of a plurality of coiled supporting springs secured together and a reinforced bottom therefor, comprising a pair of spaced wire border frames, one enclosed in the other, a plurality of crossed reinforcing wires having return bend hooks spot welded to the two border frames and a removable upholstering cover provided with a skirt having a hemmed edge and a draw string and cut away portions arranged to be hooked over the hooked ends of the cross wires and the draw string pulled taut and the ends tied to gather the edge of the upholstering skirt together and draw it over the bottom of the seat spring structure.

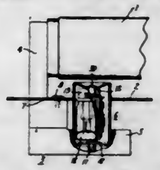
2,352,939
ELECTRODE HOLDER
William T. Cockrill and Thomas J. Duncan, Flint, Mich.
Application February 10, 1943, Serial No. 475,412
1 Claim. (Cl. 219—8)

An electrode holder comprising a tubular member, a tubular handle extending at right angles from one end of said member and communicating therewith, insulation substantially enclosing the member and the handle, said insulation including a pair of spaced, opposed flanges on the member, a stationary jaw mounted on the other end of the member, said jaw having a chamber therein communicating with said member, water supply and discharge conduits communicating with the member, a lever pivotally mounted on



the member between the flanges, a jaw on one end of the lever cooperable with the stationary jaw for holding an electrode, and an insulated handle projecting angularly from the other end of the lever adjacent the first-named handle.

2,352,940
FLUORESCENT LAMP STARTING AND CONTROLLING APPARATUS
Leonard W. Cook, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application December 24, 1942, Serial No. 470,008
1 Claim. (Cl. 315—100)

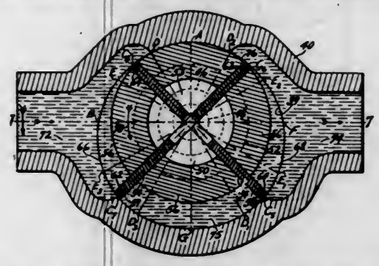


In a fluorescent lamp mounting comprising a mounting panel having an opening therein, a member secured to said panel having a part thereabove for detachably holding a fluorescent lamp closely adjacent to said panel, and a starting switch unit in combination with a telltale adapted to protrude therefrom to indicate a predetermined condition, said switch unit being detachably supported by a part of said member below said panel and projecting through said opening a distance sufficient to form a hand grasp for manipulating said unit and into close proximity to the lamp, the end of said switch unit being inset to accommodate the protruding movement of said telltale member between said unit and the lamp, so that it does not protrude materially beyond the unit toward said lamp.

2,352,941
OFFSET ROTOR VANE PUMP
William H. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application March 8, 1939, Serial No. 260,570
8 Claims. (Cl. 103—138)

1. In a pump of the offset rotor type, a cylinder having a bore, the cross section of which, taken at

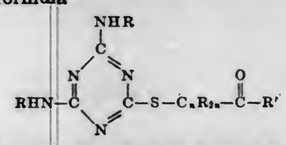
right angles to the axis is composed of one circle arc drawn from the rotor axis to a radius equal to the rotor radius, a second circle arc opposite the first drawn from the rotor axis to a larger radius, two opposite Archimedes spirals intermediate



these said arcs, and four parabolic curves joining the ends of the arcs to the ends of the Archimedes spirals, the arcs and curves being so formed and arranged that there are common tangents at all points of juncture.

2,352,942
REACTION PRODUCT OF ALDEHYDES AND TRIAZINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 19, 1942, Serial No. 447,730
20 Claims. (Cl. 260—42)

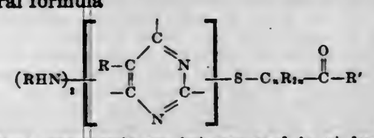
1. A composition of matter comprising the reaction product of ingredients comprising an aldehyde and a compound corresponding to the general formula



where n represents an integer and is at least 1 and not more than 2, R represents a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and R′ represents a member of the class consisting of aryl and halo-aryl radicals.

2,352,943
REACTION PRODUCT OF ALDEHYDES AND DIAZINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 30, 1942, Serial No. 449,166
20 Claims. (Cl. 260—42)

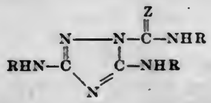
1. A composition of matter comprising the reaction product of ingredients comprising an aldehyde and a compound corresponding to the general formula



where n represents an integer and is at least 1 and not more than 2, R represents a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and R′ represents a member of the class consisting of monovalent aliphatic hydrocarbon radicals and monovalent aromatic and nuclearly halogenated aromatic hydrocarbon radicals.

2,352,944
TRIAZOLE DERIVATIVES
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 4, 1942, Serial No. 449,787
16 Claims. (Cl. 260—308)

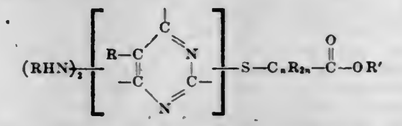
1. Chemical compounds corresponding to the general formula



where R represents a member of the class consisting of hydrogen and monovalent hydrocarbon radicals, and Z represents a member of the class consisting of oxygen and sulfur atoms and the imino radical.

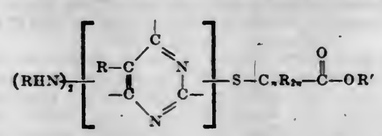
2,352,945
DIAZINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application July 14, 1942, Serial No. 450,918
16 Claims. (Cl. 260—251)

1. Chemical compounds corresponding to the general formula



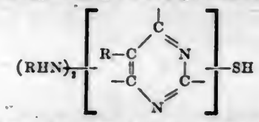
where n represents an integer and is at least 1 and not more than 2, R represents a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and R′ represents a member of the class consisting of monovalent aliphatic hydrocarbon radicals and monovalent aromatic and nuclearly halogenated aromatic hydrocarbon radicals.

14. The method of preparing chemical compounds corresponding to the general formula

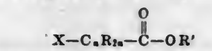


where n represents an integer and is at least 1 and not more than 2, R represents a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and R′ represents a member of the class consisting of monovalent aliphatic hydrocarbon radicals and monovalent aromatic and nuclearly halogenated aromatic hydrocarbon radicals, said method

comprising effecting reaction, in the presence of a hydrohalide acceptor, between (1) a mercapto diazine corresponding to the general formula

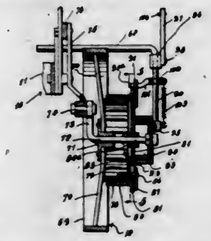


where R has the meaning above given, and (2) an ester of a halo monocarboxylic acid corresponding to the general formula



where X represents a halogen atom and *n*, R and R' have the meaning above given.

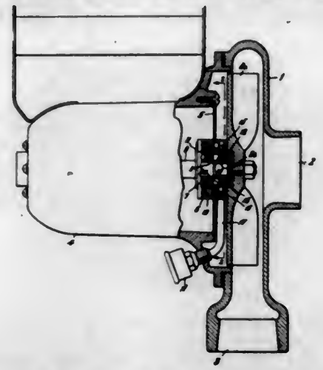
2,352,946
LIFTING MECHANISM FOR PLOWS
William A. Doane, Waverly, N. Y.
Original application January 4, 1940, Serial No. 312,422. Divided and this application March 20, 1941, Serial No. 384,401
2 Claims. (Cl. 192—62)



1. In mechanism of the class described, a drum, a drum concentric with the first-mentioned drum and relatively to which the first-mentioned drum turns, pin means mounted by the second-mentioned drum, means on the first mentioned drum engageable by the pin means to cause the drums to rotate together, a transverse rod member capable of rocking adjustment, an element loose relatively to the drums, a crank on the rod member slidably connected to the element, and coacting latch parts mounted by the crank and second-mentioned drum.

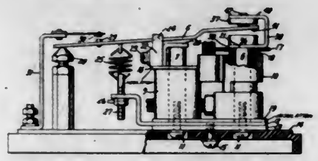
2,352,947
VACUUM CLEANER FAN SHAFT SEAL
Ralph E. Dunbar, East Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio, a corporation of New York
Application February 3, 1942, Serial No. 429,378
2 Claims. (Cl. 230—132)

1. In a vacuum cleaner, a fan chamber having an inlet and an outlet for dust-laden air, a fan shaft projecting into the fan chamber, a bearing housing for the shaft having a wall presented to the fan chamber and a lubricant retaining seal between the fan shaft and said wall behind which the bearing is located, a sealing chamber for retaining a fluid sealing medium on the fan chamber side of said seal, provisions for forcing sealing medium into said chamber, and a packing ring resiliently bearing on the fan shaft on the fan chamber side of said sealing chamber for retaining sealing medium in said sealing chamber, said packing ring having less retaining ability than said seal under the pressure built up upon forcing sealing medium into said chamber and being yieldable under said pressure whereby



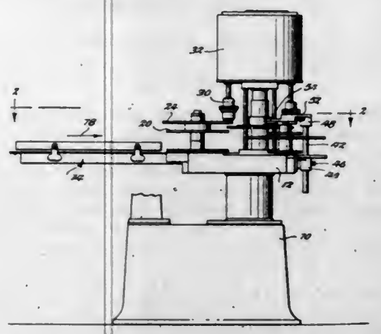
dirty sealing medium is forced into the fan chamber upon forcing sealing medium into the sealing chamber and the sealing medium is kept out of contact with the bearing.

2,352,948
ELECTROMAGNETIC DEVICE
Robert F. Edgar, Pattersonville, N. Y., assignor to General Electric Company, a corporation of New York
Application April 2, 1943, Serial No. 481,591
12 Claims. (Cl. 175—339)



1. An electromagnetic device comprising an armature biased for movement to the unattracted position, a magnetic structure presenting two poles toward said armature, an operating winding for said structure operative upon a predetermined energization to effect movement of the armature to the attracted position, a control winding for said structure operative when energized by current in a predetermined direction relatively to the current in said operating winding to help said operating winding to maintain the armature in the attracted position and when energized by current in a direction reverse to said predetermined direction to oppose the effect of said operating winding whereby to permit movement of the armature to the unattracted position, and flux diverting means for preventing said control winding alone from maintaining said armature in the attracted position when energized by a current in said reverse direction while the armature is in the attracted position comprising a U-shaped magnetic member secured to one of the poles of said magnetic structure so that the armature can move between the arms of said magnetic member, a permanent magnet mounted on one of the arms of said member for engagement by said armature upon movement thereof to the attracted position, the polarity of the face of said permanent magnet adjacent said one pole being opposite to the normal polarity thereof.

2,352,949
CONTAINER HANDLING APPARATUS
Howard E. Gantzer, Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation, a corporation of New York
Application September 11, 1942, Serial No. 457,966
10 Claims. (Cl. 226—88)



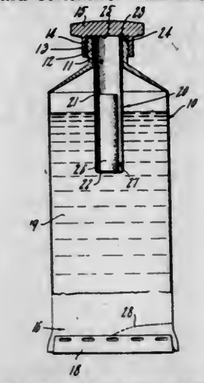
1. In apparatus for handling containers having screw caps tightly applied thereto, the combination of cap-unscrewing means; and means for moving capped containers through a predetermined path of travel relative to said cap-unscrewing means; said cap-unscrewing means being positioned in the path of travel of the caps carried by said containers and comprising, friction means adapted to engage the rim of a cap in non-slipping relation, anti-friction means, and means to urge said last two means, respectively, into engagement with generally diametrically opposed regions of the rim of each cap as each of said caps passes between said friction means and said anti-friction means during movement of each container through a definite portion of said path of travel to cause a predetermined amount of rotation of each of said caps relative to its associated container.

2,352,950
ANTIOXIDANT
Charles W. Gates, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 3, 1942, Serial No. 425,575
13 Claims. (Cl. 260—808)

6. An organic substance which tends to deteriorate by absorption of oxygen from the air containing an antioxidant which is a sulphonyl amino phenol, in which the sulphonyl group is attached to the phenol group through the amino group.

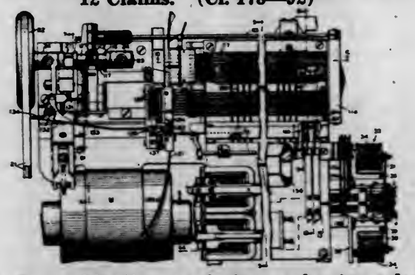
2,352,951
CHEMICALLY HEATED LIQUID CONTAINER
Andrew Geria, Ridgefield, Conn.
Application August 27, 1941, Serial No. 408,449
1 Claim. (Cl. 126—263)

A device for heating liquid preparations for treating the hair and skin, having only two compartments one of which comprises a collapsible easily rupturable container having a mouth surrounded by an externally threaded neck portion, the other compartment comprising an elongated receptacle extending through said mouth and into a liquid preparation in the outer container, said elongated receptacle being closed at one end and provided at its other end with an outwardly directed radial flange adapted to rest on the mouth edge of said neck portion, a normally inactive heat producing chemical substance disposed within said receptacle, said chemical substance being adapted to be activated by a fluid when introduced into the receptacle through its flanged end, and an internally threaded closure cap threaded on said threaded neck portion, said threaded connection of the cap to the neck of the container being effective to clamp said receptacle in position within the container and provide a seal for the mouth of said container and the flanged end of



said chemical receptacle, the radial flange of said heating receptacle being clear of the threads of the closure cap, whereby upon removing said cap by unscrewing from the threaded neck of the liquid container an activating fluid may be introduced into the receptacle through the flanged end thereof from an outside source and the heating receptacle may be removed from the container to permit the heated liquid to be dispensed from the container through the mouth thereof, or the cap restored to its sealing position on the threaded neck and the heated liquid then dispensed from the container by breaking through the easily rupturable wall thereof.

2,352,952
CODE CONVERTER
Hakon H. Haglund, New York, N. Y., Albert W. Dickey, Madison, N. J., and Thomas A. Newman, Rego Park, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application December 14, 1940, Serial No. 370,098
12 Claims. (Cl. 178—92)



1. In combination, a selector mechanism selectively operable in response to received permutation signals, a set of permutation bars selectively positioned in accordance with the operation of said selector mechanism, a plurality of control

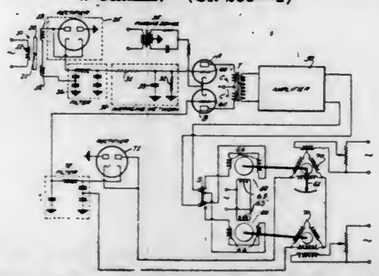
bars, means including said permutation bars for selectively operating said control bars, a perforating mechanism including a set of selectively operable perforating pins, a storage tape, a tape advancing mechanism, a first means controlled by said control bars for selectively controlling the operating of said perforating pins, and a second means controlled by said control bars independently of said last mentioned means for controlling said tape advancing mechanism to advance said tape variable amounts on various operations thereof.

2,352,953

STRAIN GAUGE

Norman L. Haight, Hoboken, N. J., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York

Application August 4, 1942, Serial No. 453,529
2 Claims. (Cl. 265—1)



1. In a strain gauge for rolling mills and the like, means whereby strain in the mill generates a voltage, a motor, means whereby said motor is controlled by said voltage, an indicator adapted to be actuated by said motor, and a balancing mechanism for generating a voltage for balancing said first voltage, said mechanism including a variable voltage transformer of the non-contacting, Selsyn type adapted to be actuated by said motor.

2,352,954

CARTRIDGE BELT FOR AUTOMATIC GUNS OR MACHINE GUNS

Percy Reuben Higson, Sidcup, England, assignor to Vickers-Armstrongs Limited, London, England, a British company

Application June 18, 1942, Serial No. 447,574
In Great Britain March 3, 1941
1 Claim. (Cl. 89—35)



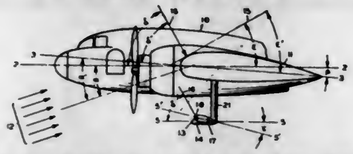
A metallic two part link for use in the formation of a cartridge belt of the disintegrating link type, said link comprising a flat rectangularly shaped body member, a single arcuately shaped cartridge retaining clip extending laterally from one edge of said body member, two arcuately shaped and coaxially spaced cartridge retaining clips extending from the opposite edge of said body member, a locking member hingedly mounted to said body member, said locking member constructed and arranged to prevent removal of cartridges from said clips except in an endwise direction and said locking means arranged to be operative only when all of said clips are operatively engaging respective cartridges.

2,352,955

ANGLE OF ATTACK INDICATOR

Clarence L. Johnson, Burbank, Calif.

Application September 13, 1940, Serial No. 356,620
14 Claims. (Cl. 73—180)



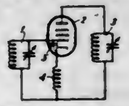
1. In an angle of attack indicator for aircraft and the like, air foil means having first and second ports whose axes are disposed at a vertical angle with each other, first and second separate hollow diaphragm capsules surrounded by atmospheric pressure, conduits separately connecting said capsules to said first and second ports, members movable by said diaphragm capsules according to the logarithms of the pressures exerted on the said diaphragm capsules through said conduits and an indicating device including a lever system operative in response to movements of said members to indicated the ratio of the pressures from said ports exerted on said diaphragm capsules.

2,352,956

CIRCUIT FOR THE TRANSMISSION OF ELECTRICAL OSCILLATIONS

Maximiliaan Julius Otto Strutt, Aldert van der Ziel, and Cornelis Jan Bakker, Eindhoven, Netherlands; vested in the Alien Property Custodian

Application January 16, 1941, Serial No. 374,712
In the Netherlands January 31, 1940
3 Claims. (Cl. 179—171)



1. A circuit arrangement for the transmission of electrical oscillations comprising an electron discharge tube provided with at least a cathode, a signal grid and an anode, input and output circuits connected respectively to the signal grid and anode, and only an inductance having a minimum resistance through which there flows a noise current connected to the cathode and included in both the input and output circuits, there being derived from across said inductance a noise voltage which is correlated with said current and which brings about a noise voltage across the input circuit in anti-phase with the cathode noise current thereby increasing the damping of the input circuit without decreasing the signal to noise ratio.

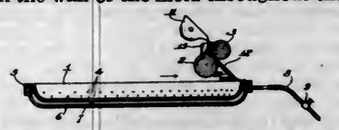
2,352,957

METHOD OF FORMING GLASS ARTICLES

Raymond W. Kell, Charleroi, Pa., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application March 6, 1942, Serial No. 433,616
4 Claims. (Cl. 49—85)

1. The method of forming a glass article, comprising positioning with its open side upwardly a mold provided with an elongate concave molding surface, applying to said mold throughout its whole width and progressively from one to the other end thereof a sheet-like body of glass heated to molding plasticity, and conforming said glass to the mold by applying suction below the glass through the wall of the mold throughout the ma-



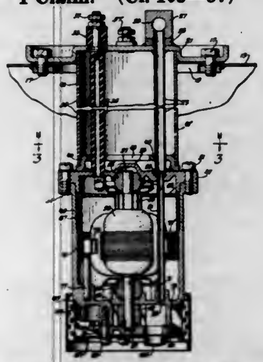
jor portion of the time during which glass is progressively applied thereto and thereafter until the glass is conformed thereto.

2,352,958

ELECTRIC FUEL PUMP

Carleton J. Lauer, Roy L. Bowers, and Kent Forshee, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 22, 1942, Serial No. 448,014
1 Claim. (Cl. 103—87)



In a fuel supply system, a fuel tank, an electric motor and pump combination within said tank, said combination including a casing for said motor, said casing having a top wall, a spacing sleeve attached to said casing and secured to the top of said tank, a standpipe delivering fuel from said pump and extending through said motor casing, an extension pipe sealed to said standpipe and connected to an external fuel supply conduit, said standpipe having a vent opening leading into the motor casing near its top, means forming an opening in the top wall of the motor casing leading to said sleeve, a fire screen in said last named opening and means forming openings in the wall of the sleeve leading to the interior of the tank.

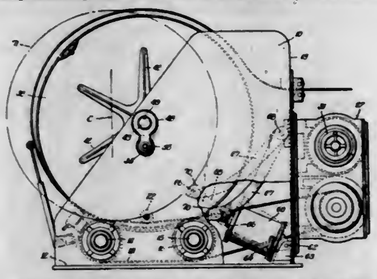
2,352,959

COIL CATCHER FOR CRADLE REELS

Frederick M. Littell, Detroit, Mich., assignor to F. J. Littell Machine Company, Chicago, Ill., a corporation of Illinois

Original application June 24, 1940, Serial No. 341,989, now Patent No. 2,323,477, dated July 6, 1943. Divided and this application July 14, 1941, Serial No. 402,321
2 Claims. (Cl. 242—78)

1. The combination with a cradle reel having an open rear end and including a front wall, side walls and spaced front and rear shafts journalled by said side walls, of a coil catcher for said reel comprising a pressure cylinder pivotally connected at one end to said reel and having its opposite end extending upwardly toward the rear of the reel, a piston rod projecting from said opposite end of the cylinder and actuated thereby into an operative position to locate the extending end of the piston rod in spaced relation over said front shaft, guiding means for the rod including an arm pivotally secured to the reel and depending downward for pivotal connection



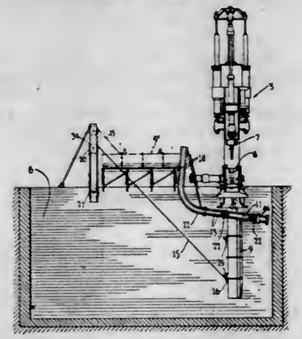
with the extending end of said rod, and said piston rod when in extended position having operation to yieldingly arrest the movement of a coil rolling onto said reel through the open rear end and which coil is thereupon supported by said piston rod in balanced relation on the rear shaft.

2,352,960

BAR CONVEYER DEVICE FOR EXTRUSION PRESSES

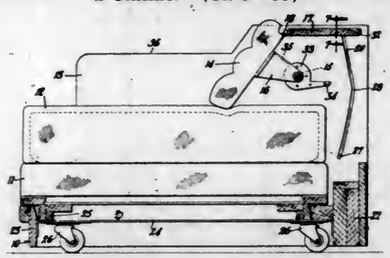
Hugo Lorant, New York, N. Y., assignor to The Loewy Engineering Company Limited, London, England, a corporation of Great Britain

Application March 21, 1942, Serial No. 435,740
10 Claims. (Cl. 207—2)



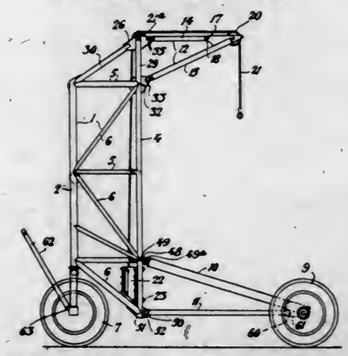
6. In an apparatus of the character described the combination with a vertical extrusion press of a receptacle and conveyer for extruded bars movable to vertical position beneath the extrusion press to receive an extruded bar from said press and movable laterally and upwardly to horizontal position to convey said bar to position for delivery, a guide-way extending substantially horizontally beneath said press and laterally and substantially vertically, a carriage mounted on said guide-way to which the receptacle is rigidly connected to be guided in lateral and upward movement, said guide-way having a straight portion beneath the press, means for positioning the receptacle beneath the press to receive extruded bars and means for moving the receptacle with the bars therein laterally and upwardly to horizontal delivery position, a hinged door on the side of said receptacle to permit removal of the bars when the receptacle is in horizontal position and spring means to hold said door either in closed or open position.

2,352,961
CONVERTIBLE STUDIO BED
Walter P. Margulies, Forest Hills, N. Y., assignor to Hotels Statler Company, Inc., New York, N. Y., a corporation of New York
Application January 1, 1942, Serial No. 425,275
2 Claims. (Cl. 5—59)



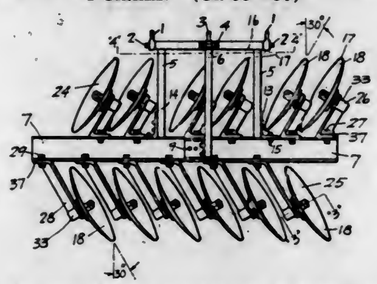
1. In an article of furniture of the class described, a frame arranged to accommodate a mattress, end boards, a longitudinally-extending back-rest fixedly pivoted to the end boards to swing about an axis located above the mattress, the pivot axis being a substantial distance from the plane of the back-rest, a shelf hinged to the back-rest, and guiding means including members connected to the shelf and slots fixed with respect to the end boards, said members having a slidable engagement with said slots and being arranged to bring the shelf into substantially horizontal position when the back-rest is in operative position and to bring the shelf into substantially vertical position below the back-rest when the back-rest is swung back into inverted position.

2,352,962
MOBILE LIFTING GEAR
James Martin, Higher Denham, near Uxbridge, England
Application June 25, 1943, Serial No. 492,285
In Great Britain July 7, 1942
4 Claims. (Cl. 254—139.1)



3. A mobile lifting gear comprising a triangulated main frame in the form of three main uprights united by diagonal struts, a triangulated superstructure rigidly united to the tops of said uprights, jib forming tubular arms extending uni-laterally from said triangulated superstructure beyond one side of the main frame, the two main uprights contained by said side of the main frame depending beyond the other upright, struts and tie rods extending and diverging outwardly from the lower parts of said longer uprights, a pair of ground wheels carried by the outer ends of such diverging struts and so located that the centre of gravity of the load suspended from said jib is between the lateral span of said wheels and also between said wheels and said main frame, a centre dirigible wheel supported by the lower part of the shorter of said three main uprights, diagonal struts connected across the lower ends of the longer of said main uprights and the said shorter main upright, webs welded to the junctions of said latter diagonal struts and said longer uprights and prolonged as lugs beyond said longer uprights, means detachably connecting said wheel carrying struts to said lugs, a winch supported on the lower end of said main frame, and a steering arm extending from said dirigible wheel.

2,352,963
DISK HARROW
William Frederick McMahon, Riverside, Calif.
Application July 8, 1940, Serial No. 344,321
4 Claims. (Cl. 55—30)

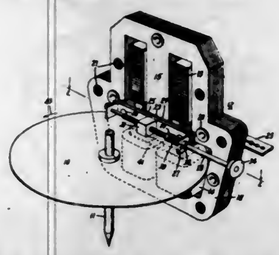


1. In cultivating apparatus adapted to be pulled by a tractor and raised or lowered by a hydraulic lift mechanism made part of said tractor, a disk harrow comprising two parallel and fixed opposed gangs of disks, a single central frame member disposed parallel to and between said gangs and below the top of said gangs of disks, both said gangs comprising a plurality of corresponding disks independently secured to said central frame member and extending therefrom forwardly and rearwardly respectively, each disk, of each gang, adapted to be rotated and having a fixed cutting or horizontal pitch angle of the order of thirty degrees more or less to a line at right angle with the central frame member and a fixed suction or vertical angle of the order of ten degrees with the center-line of the disk, a rigid hitch connection for connecting the said central frame member to the tractor and its hydraulic lift mechanism, whereby the weight of the disk harrow is supported by the tractor.

2,352,964
PROCESS OF MANUFACTURING SALTS OF STYPHNIC ACID
Joseph D. McNutt, New Haven, Conn., and Samuel D. Ehrlich, Tamaqua, Pa., assignors to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
No Drawing. Application November 8, 1941, Serial No. 418,286
7 Claims. (Cl. 260—435)

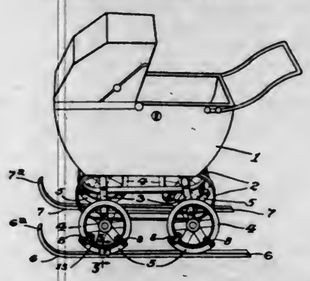
1. The herein described process which comprises forming an aqueous solution containing basic lead styphnate, normal lead styphnate and lead hypophosphite and causing the materials in solution to react to form a complex salt containing 1 mol. each of basic lead styphnate, normal lead styphnate and lead hypophosphite.

2,352,965
METER LIGHT LOAD ADJUSTMENT
Lewis I. Mendelsohn, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application June 11, 1943, Serial No. 490,464
4 Claims. (Cl. 171—264)



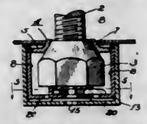
1. An induction meter comprising a rotary disk of conducting material, an E-shaped voltage magnet with its pole pieces facing the disk, a voltage coil on the central leg of said magnet, a U-shaped current magnet on the opposite side of said disk with its pole pieces facing the disk opposite the voltage magnet, said magnets cooperating to produce driving torque fluxes in the disk, a light load adjustment for said meter comprising a strap of magnetic material secured in fixed relation along a side of the voltage magnet adjacent the disk and magnetically connected only with the central leg thereof, and a block of magnetic material slidably mounted along said strap beyond the limits of the voltage magnet core and comprising an auxiliary voltage flux pole piece and diverting a substantially fixed percentage of the flux from the central leg of said voltage magnet into the disk at a point along a tangent to the radius of the disk which point is adjustable, means for causing lagging of such diverted flux whereby a shaded pole induction motor torque is produced in the disk by the voltage flux, the direction and magnitude of which may be adjusted by adjusting the position of said auxiliary pole piece.

2,352,966
BABY'S CARRIAGE SLEIGH ATTACHMENT
Emanuel R. Morando, New York, N. Y.
Application February 5, 1942, Serial No. 429,614
2 Claims. (Cl. 280—8)



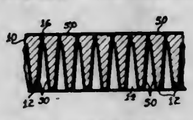
1. In a runner attachment for wheels of a vehicle of the character described, the combination of a one piece bar having one end curved upwardly, a channel-like saddle member secured onto said bar, the end portions of said saddle member curving upwardly from its medial secured position, said end portions of said saddle member provided with clamping band members, one of which has a hinged bolt and nut thereon, and the other a slotted end portion, said bar and saddle members adapted to be fitted to the rim portion of a vehicle wheel and securely clamped thereon by said band member, hinged bolt and nut.

2,352,967
LOCK
Robert G. Noble, Chicago, Ill.
Application March 12, 1943, Serial No. 478,956
2 Claims. (Cl. 70—232)



1. In a lock for beveled nuts, an annular band having a tapered neck shaped to the contour of said nut, said band being notched peripherally, a fork having flanged prongs for engagement with the notches of said band, a lock casing having a keyhole, a bolt housing secured in said lock casing and formed with a keyhole in line with said casing keyhole, said bolt housing having wall perforations, and lock bolts in said housing yieldingly protruding through said wall perforations and engaging said fork, said lock bolts being adapted for engagement by a key inserted in said casing and lock housing.

2,352,968
METHOD OF MAKING PAPER PULP SCREEN PLATES
Samuel T. Orton, Fitchburg, Mass., assignor to Union Screen Plate Company, Fitchburg, Mass., a corporation of Massachusetts
Application December 16, 1941, Serial No. 423,207
2 Claims. (Cl. 204—24)

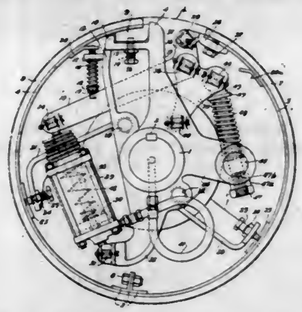


1. The method of making a pulp screen plate comprising the steps of initially shaping metal to provide a metal plate having a set of spaced ribs depending from the bottom of a thin, flat surfaced, imperforate top portion, coating the top surface of the plate with a non-conductive adhesive mask, thereafter cutting a series of parallel elongated narrow slots through the overlying coating and the thin imperforated top part of the plate between said ribs and leaving the top of the plate coated adjacent to the edges of the slots, thereafter electrolytically depositing a metal plating on said inner faces while the mask coating remains in position, then removing the mask and again electrolytically depositing a metal plating on the exposed faces of the plate.

2,352,969
INTERNAL EXPANDING FRICTION CLUTCH
Forrest J. Parsons, Lima, Ohio
Application October 3, 1941, Serial No. 413,402
16 Claims. (Cl. 192—85)

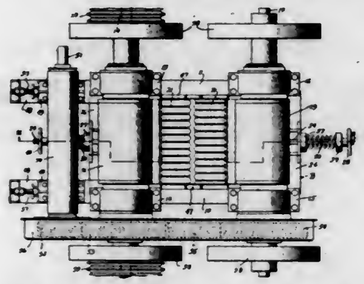
1. A friction clutch assembly comprising, in combination with a clutch band, an arm mounted by a pivot and adapted to engage and transmit a clutch engaging force to said band, and means

for adjustably shifting the pivot of said arm in a direction generally circumferentially of the band, including a rocker member carrying the mount-



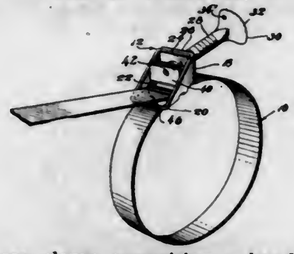
ing pivot for said arm, and pivotal mounting means for the rocker member providing a rocker pivot axis close to the axis of the clutch assembly.

2,352,970
CRUSHER
Harold C. Pollitz, Cedar Rapids, Iowa, assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa, a corporation of Iowa
Application October 16, 1942, Serial No. 462,222
1 Claim. (Cl. 83—53)



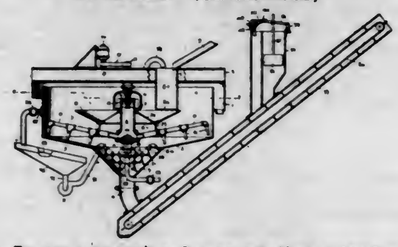
A rock crusher comprising a supporting frame, a pair of shafts journaled on said frame, twin crushing structures at opposite sides of said frame below the respective shafts, each structure comprising a jaw member having an eccentric connection at its upper end with the respective shaft, said jaw members being directly opposed to each other, a toggle plate for each jaw member fulcrumed at its outer end on said supporting frame and at its inner end on the lower end of the jaw member, said toggle plates diverging upwardly at the same angle from their fulcrum engagement with the jaw members, tensioning means above said toggle plates holding said jaw members outwardly against said toggle plates, a balance wheel on each end of each of said shafts, opposed sprocket wheels on said shafts, a drive chain meshing said sprocket wheels for rotation of said shafts in opposite direction, and a driving shaft and a sprocket wheel thereon meshing said drive chain for driving thereof, the arrangement of all the operating parts assembled at opposite sides of the vertical center line of the crusher being exactly alike whereby the crusher is perfectly balanced and with the chain drive can be operated safely at very high speeds with correspondingly large capacity.

2,352,971
HOSE CLAMP
Carroll W. Prochaska, Mount Vernon, N. Y.
Application April 18, 1942, Serial No. 439,578
9 Claims. (Cl. 24—19)



1. A hose clamp comprising a band, means coupled to said band at one end for tensioning the band about a hose, a housing having a vertical wall in which said tensioning means is shiftably mounted and a horizontal wall to provide a band clamping section having an aperture to receive the free end of the band to be clamped, said horizontal wall having a section adjacent said aperture against which the tensioned end of the band exerts a tilting action, the heel of the housing being cut away at the line of junction of its vertical and horizontal walls to form an aperture for straight line movement of the tensioned end of said band under the pull of said tensioning means.

2,352,972
APPARATUS FOR AND METHOD OF SEPARATING MIXED MATERIALS
Walter L. Remick, Hazleton, Pa.
Application January 13, 1941, Serial No. 374,292
16 Claims. (Cl. 209—158)

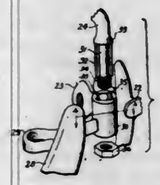


1. In an apparatus for separating mixed materials, the combination of a tank; means adapted to circulate liquid within said tank, having an inlet disposed in the upper portion of said tank and a series of outlets disposed in the lower portion of said tank; a discharge pipe opening from said tank at a point intermediate the said inlet and outlets; a spout to feed the mixed materials to said tank; and a rotatable inverted frustoconical deflector plate so disposed in said tank as to receive thereon the feed from said spout.

2,352,973
OPHTHALMIC MOUNTING
Joseph Mathias Riller, Lake Orion, Mich., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 6, 1941, Serial No. 413,823
3 Claims. (Cl. 88—41)

1. An ophthalmic mounting comprising a pair of lenses each having a connection opening on the nasal side thereof, a bridge member, lens

straps secured to said bridge member, each of said straps having a perforated ear adapted to be connected with the lens by means extending through the perforation in the ear and the connection opening in the lens, each of said straps having a relatively short tubular member secured to the rear thereof, nose pad supporting arms each having a surface portion connected with one of said respective tubular members with said arms extending rearwardly to a nose pad connection, long and slender temple supports shaped throughout the major portion of the lengths thereof to follow substantially the shape of the upper contour shape of the lenses, each of said temple supports having a temporal end portion terminating in a temple pivotal connection and having an attachment end connected with a respective tubular member, said attachment end and said tubular member having portions in telescoped relation with each other and each having engaging surface portions for limiting said telescoping movement and each having interlocking means for preventing rotational

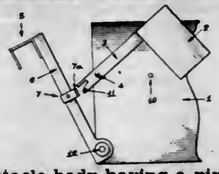


movement of said temple support relative to the tubular member, each of said attachment ends of the long and slender temple supports having a relatively short threaded portion protruding outwardly of the tubular member when the engaging surface portions for limiting the telescoping movement are in engaged relation with each other and a nut threadedly connected with said relatively short threaded portion of the temple support and having a surface portion engaging the adjacent end of the tube whereby binding force exerted on said nut will cause the engaging surface portions of the temple support and the tubular member, as well as the interlocking means, to be held in binding relation with each other for rigidly connecting the parts and for permanently supporting the long and slender temple support in proper relation with the lens, said tubular member, the connection end of the long and slender temple support and the binding nut all being located in the rear of the lens strap and being substantially concealed from view when the mounting is viewed from the front.

2,352,974
ORGANOSILICON COMPOUND
Eugene G. Rochow, West Albany, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 30, 1940, Serial No. 332,606
8 Claims. (Cl. 260—2)

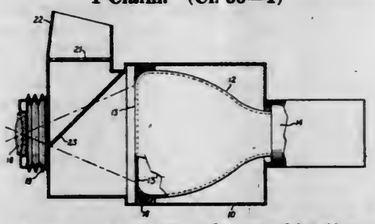
1. A polymeric chemical compound comprising monovalent saturated aliphatic and divalent aryl radicals linked to silicon atoms, each of a plurality of the divalent aryl radicals being linked to two different silicon atoms.

2,352,975
UTILITY BOX FLAG
Grant Arthur Roe, Middletown, N. Y.
Application December 1, 1943, Serial No. 512,439
2 Claims. (Cl. 232—35)



1. A receptacle body having a pivoted closure, a signal flag having a flagstaff pivoted intermediate its ends to the receptacle body for movement from vertical to horizontal position and vice versa and provided at its lower end with a flaring notch, a projection mounted on and carried by the closure below the pivot of the flagstaff and in a position to be straddled by the notch of the flagstaff when the lid is in closed position with the flagstaff vertical, said flagstaff pivot, notch and projection being at that time in substantial vertical alinement, whereby pressure applied to the flagstaff to move it from vertical to horizontal position will impart pivotal movement to the closure and pivotal movement of the closure from closed to open position will impart pivotal movement of the flagstaff in the direction of its horizontal position.

2,352,976
LIGHT-DIVIDING ELEMENT
Vincent J. Schaefer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 12, 1941, Serial No. 388,295
1 Claim. (Cl. 88—1)

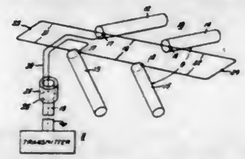


A camera comprising the combination of a casing, a lens, a cooperating photosensitive wall member, a viewing screen located in a position visible from the exterior and in non-obstructive relation to light reaching said photosensitive member through said lens, and a light-dividing element in such position in the path of said light that a portion of said light will be reflected upon said viewing screen producing thereon an image free from perceptible double image effects, said element comprising a sheet of transparent material having a thickness less than about 250,000 A., and a coating on said sheet of zinc sulfide sufficiently thin to effectively transmit light.

2,352,977
SELF-COMPENSATING VIDEO ANTENNA
Marvel W. Scheldorf, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 18, 1942, Serial No. 458,766
7 Claims. (Cl. 250—33.1)

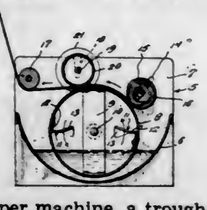
2. In combination, a source of oscillation, a transmission line having a length equal to three-

quarters of a wave length of said oscillation, said line being short-circuited at both of its ends, an antenna comprising two substantially coplanar and parallel pairs of angularly disposed conductors, said pairs of conductors having similar impedance characteristics at their inner extremities, means for connecting said inner extremities



to said line at feed points spaced respectively a quarter wave length from each other and a quarter wave length from said ends, the impedance of said line being the same as the impedance across said extremities, and means for connecting said source to said line at one of said feed points.

2,352,978
WALLPAPER MACHINE
William F. Shoemaker, Evansville, Ind.
Application March 24, 1943, Serial No. 480,364
1 Claim. (Cl. 91—14)



In a wall paper machine, a trough for coating material including end walls extending above the level of the trough, a drum rotatably mounted in the trough and partly submerged in the adhesive and having its ends fully open to permit the adhesive to enter said drum, means for supporting a roll of wall paper mounted on the end walls above the trough and drum for manual unwinding and movement over and in contact with said drum, a roller rotatably and slidably mounted on the end walls of the trough above the latter and the drum and at an angle to the drum and adapted under its weight to force the paper against the drum, a cutting disc secured to one end of the roller and overlapping one end of the drum and supported by said roller at an angle to said end of the drum to have a shearing cutting action therewith, and groups of blades secured to the interior of the drum for agitating the adhesive in the drum and acting to work the adhesive toward the ends of said drum.

2,352,979
BUTADIENE-CYCLOPENTADIENE COPOLYMERS
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application July 6, 1939, Serial No. 283,057
13 Claims. (Cl. 260—23)

3. Benzene-soluble copolymer of butadiene with at least one of a group consisting of cyclopentadiene and methyl cyclopentadiene, the copolymer molecule being substantially free from other than diolefine components.

2,352,980
ISOPRENE-CYCLOPENTADIENE COPOLYMERS
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application July 6, 1939, Serial No. 283,058
13 Claims. (Cl. 260—23)

3. Benzene-soluble copolymer of isoprene with at least one of a group consisting of cyclopentadiene and methyl cyclopentadiene, the copolymer molecule being substantially free from other than diolefine components.

2,352,981
PIPERYLENE-CYCLOPENTADIENE COPOLYMERS
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application July 6, 1939, Serial No. 283,059
13 Claims. (Cl. 260—23)

3. Benzene-soluble copolymer of piperylene with at least one of a group consisting of cyclopentadiene and methyl cyclopentadiene, the copolymer molecule being substantially free from other than diolefine components.

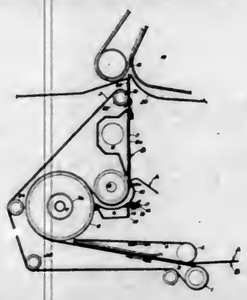
2,352,982
SCREW FOR PLASTICS
Joseph John Tomalis, Providence, R. I., assignor to American Screw Company, Providence, R. I., a corporation of Rhode Island
Application June 25, 1942, Serial No. 448,447
10 Claims. (Cl. 85—41)



1. A screw comprising a shank of uniform substantially polygonal cross-section with rounded corners throughout the major portion of its length, and a continuous V-thread extending from one end of the shank for a plurality of complete helical turns about the full periphery of the said shank.

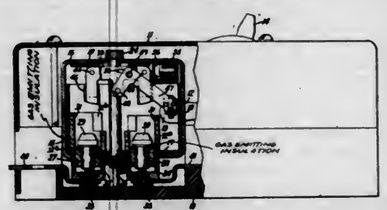
2,352,983
CONVEYING APPARATUS
Frederick O. Trump, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application January 30, 1942, Serial No. 428,907
3 Claims. (Cl. 271—64)

1. In a continuous treating apparatus for thin pliable work pieces in which two thin pliable work pieces are conveyed through a portion of the machine in superimposed relation to each other, a device for separating said two thin pliable work pieces as they emerge simultaneously and in superimposed relation to each other at a locus intermediate the ends of said treating apparatus, whereby one of said work pieces may be discarded and the other of said work pieces may be conveyed to another portion of said treating apparatus, which comprises in combination; an endless perforated belt for conveying said work piece which is to be retained in said apparatus, a roller over which said endless belt runs for changing the direction of travel of said belt, a suction tank having a vertical perforated surface over which said belt runs in an upwardly direction after it leaves said roller, a fixed curved guide surface surrounding but spaced from said belt through the first part of its travel around said roller, and an adjustable guide device surrounding but spaced from said belt through the



last portion of its travel around said roller, said adjustable guide device comprising a plurality of hinged fingers extending in the direction of travel of said belt, whereby the spacing of the ends of said fingers from said belt may be so adjusted at a locus near the locus where said belt leaves said roller, as to cause one of said work pieces to be conveyed by said belt upwardly past said suction tank and the other of said work pieces to curve outwardly from said belt and drop therefrom.

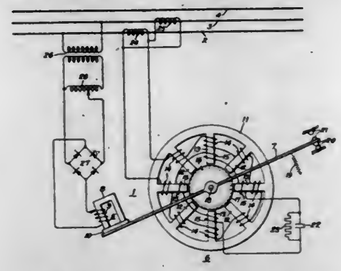
2,352,984
CIRCUIT BREAKER
Ludwig S. Walle, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application June 23, 1942, Serial No. 448,066
8 Claims. (Cl. 200—149)



1. A circuit breaker adapted to interrupt currents of short-circuit magnitude comprising a pressure-confining chamber provided with a constricted exhaust port, a plurality of pairs of separable switch contacts mounted within said casing remote from said exhaust port, said pairs of contacts being connected in series circuit relation, movable means for separating said pairs of contacts to establish electric arcs therebetween, means within said casing for partially enclosing each of said pairs of separable switch contacts thereby to define within said casing a restricted space for the separation of each of said pairs of contacts, means within each of said enclosing means operable in conjunction with the electric arc established between the associated pair of separable contacts for generating within said enclosing means a dielectric gas at substantial pressure, and means for exhausting said gaseous di-

electric from each of said enclosing means into the interior of said casing in opposing directions, the stream of gas from each of said enclosing means passing substantially transversely across the generating arc and encountering the opposing stream of gas to create within said casing a turbulent flow of gas between said contacts and said exhaust port and said casing confining said gas to create within said casing a pressure sufficient to prevent short-circuiting of said pairs of contacts by said opposing gas streams.

2,352,985
ELECTRORESPONSIVE DEVICE
Albert R. van C. Warrington, Wallingford, Pa., assignor to General Electric Company, a corporation of New York
Application December 12, 1942, Serial No. 468,788
9 Claims. (Cl. 175—294)

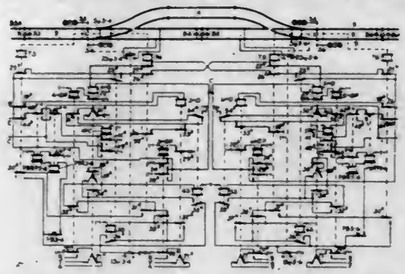


1. A high speed electroresponsive device operative in dependence on a predetermined relation between the effective values of two alternating current electric quantities comprising a movable member and means for exerting on said member two opposing effects respectively dependent on said alternating current quantities including a first electromagnetic unit adapted when energized by one of said quantities to exert on said member an effect which is independent of cyclic variation of said one quantity, of any phase displacement between the two quantities and of any offset in the wave of said one quantity, means for rendering the operation of said first electromagnetic unit independent of transients in the wave of said one quantity, and a second low volt-ampere burden electromagnetic unit adapted when energized by the other of said quantities to exert on said member an effect opposing the effect of said first electromagnetic unit, the resultant effect of said two units being such as to cause movement of said member in one direction when the effect of the first electromagnetic unit exceeds the effect of the second electromagnetic unit and to move said member in the opposite direction and hold it in a predetermined position when the effect of the second electromagnetic unit exceeds the effect of the first electromagnetic unit.

2,352,986
BLOCK SIGNALING SYSTEM FOR RAILROADS
Osborne B. Webster and Nelson B. Coley, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application May 7, 1941, Serial No. 392,298
36 Claims. (Cl. 246—33)

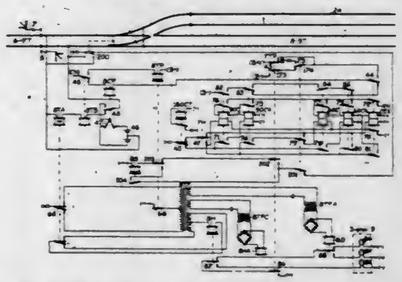
1. In combination with two single track sections of railway track connected by a passing siding, an intermediate signal in each single track

section governing the movement of traffic toward the siding, an entering signal for each of said passing sidings for governing the movement of traffic from the adjacent single track section into such passing siding, means for causing the entering signal adjacent one of said single track sections to be operated to its caution condition but leaving the intermediate signal in the rear thereof in its clear condition when a train approaching said passing siding enters the other



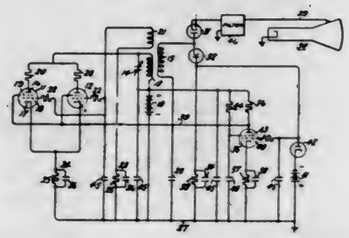
of said single track sections with said one single track section and the main track of said passing siding unoccupied, and means including said first mentioned means for causing both the entering signal and the intermediate signal of said one single track section to be operated to their caution conditions when such train approaching said passing siding enters said other single track section at a time when a train approaching said passing siding is occupying said one single track section to the rear of its intermediate signal.

2,352,987
CODED TRACK CIRCUIT SIGNALING SYSTEM
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 2, 1941, Serial No. 391,454
35 Claims. (Cl. 246—33)



1. In a block signaling system of the character described for a stretch of main track having associated therewith two passing sidings separated by a plurality of blocks, each siding having a leaving signal for governing traffic therefrom toward the other siding; track circuit code communication means for each of the blocks effective to communicate by continuous distinctive track circuit codes selected signal controls from a given leaving signal to the opposing leaving signal, the track circuit codes employed being composed of impulses occurring at a continuous rate but being distinctive because of the frequency of reversal of the polarity of the impulses; signal control selecting means at said given signal effective to select one control for communication to the opposing leaving signal if there is no train in the rear of said given signal, and effective to select another control for communication to the opposing leaving signal if there is a train in the rear of said given signal; and signal control means at said opposing leaving signal operative to cause such signal to indicate clear when said one control is selected, and operative to cause such signal to indicate caution when said another control is selected.

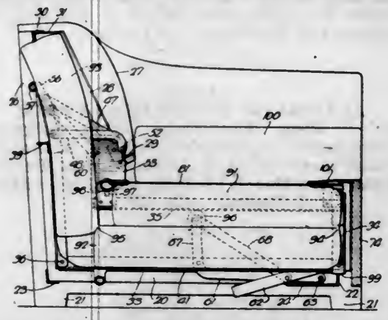
2,352,988
ELECTRIC CIRCUIT
James F. Wilcox, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 30, 1942, Serial No. 445,137
9 Claims. (Cl. 171—97)



9. In combination, an oscillation generator including an inductive winding and an electric discharge device having a pair of control members, means for impressing a voltage on one of said control members to maintain said generator in oscillating condition to produce a voltage of high frequency and amplitude in said winding, a capacitor connected in series with said winding, a load circuit and a unilaterally conducting device connected to be energized by the voltage of said capacitor and said winding, and a second circuit connected across said series connected winding and capacitor including an impedance element and a unilaterally conducting device oppositely poled with respect to said first mentioned unilaterally conducting device, an electric valve, means for controlling said electric valve in accordance with the current conducted by said impedance element, and means energized in accordance with the conductivity of said electric valve and connected with the other of said control members to vary the amplitude of the oscillations of said generator to maintain the load voltage substantially constant independently of the load current.

2,352,989
SOFA BED
Edward E. Woller, Kenosha, Wis., assignor to Simmons Company, a corporation of Delaware
Application September 8, 1941, Serial No. 409,951
8 Claims. (Cl. 5—13)

1. A sofa bed of the class described comprising a main frame having a back rest part, a foldable bed bottom having a section movable from a folded, vertically disposed position behind said back rest part to a horizontally disposed, bed position forwardly of said back rest part, means connecting said section to said main frame for such movement, and a mattress support comprising side members pivotally mounted intermediate their ends on said bed section, mattress supporting means extending between the outer portions of said side members, and links pivotally connecting the inner ends of the respective side members with said back rest part for effecting

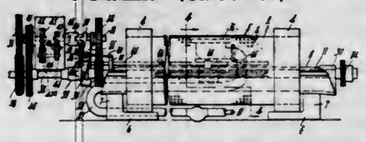


rocking of the outer portions of said side members and said mattress supporting means upwardly and inwardly as an incident to folding of the bed bottom, said mattress support being thereby operative to hold an overlying mattress portion within the confines of said back rest frame part.

2,352,990
METHOD OF MAKING AND TREATING MAGNESIUM CASTINGS
Robert Thomas Wood, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 3, 1943, Serial No. 489,517
5 Claims. (Cl. 148—3)

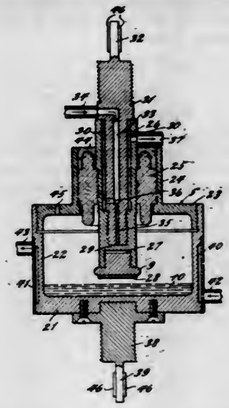
1. In that method of making and treating magnesium castings which comprises casting and solidifying molten magnesium in a sand mold containing one or more chilling bodies and thereafter subjecting the casting thus produced to heat treatment at temperatures below the incipient melting point of the casting and above about 730° F., the step of minimizing the inducement of grain growth by said heat treatment which consists in providing as chilling bodies metallic bodies having a thermal conductivity which is not more than about 80 per cent of the thermal conductivity of cast iron.

2,352,991
MACHINE FOR CONDITIONING FELTS OF PAPERMAKING MACHINES
Frederick W. Vickery, London, England, assignor to Vickery Incorporated, Boston, Mass., a corporation of Massachusetts
Application April 14, 1941, Serial No. 388,434
8 Claims. (Cl. 92—50)



1. Felt conditioning mechanism, comprising a foraminous hollow cylinder of a length at least as great as the working width of the felt of a paper-making machine and over an angular portion of the periphery of which the felt engages throughout the working width of the felt, means supporting said cylinder for rotation about its axis with the felt, a device including a suction box of less width than said felt supported within said cylinder and having its suction face engaging the inner face of said cylinder opposite to the felt, means for reciprocating said device lengthwise of said cylinder while in contact with the inner face of said cylinder, and means in advance of such suction box in the direction of motion of the felt for applying cleaning liquid to the felt limited to the width of the felt next thereafter subjected to suction from said box.

2,352,992
ELECTRIC SWITCH
Edmund J. von Henke, Chicago, Ill., assignor to American Electric Fusion Corporation, Chicago, Ill., a corporation of Illinois
Original application December 28, 1938, Serial No. 248,023, now Patent No. 2,289,813, dated July 14, 1942. Divided and this application May 18, 1940, Serial No. 335,933
3 Claims. (Cl. 250—27.5)

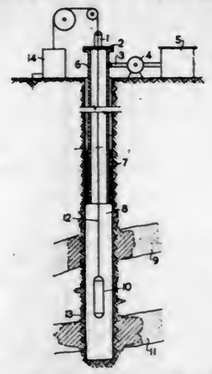


1. An electronic switch for controlling the passage of an alternating load current across said switch comprising a tube containing an inert gas at a substantial pressure, a pair of closely spaced electrodes in said tube, the pressure of the gas and the spacing of the electrodes being such as to form a high-resistance gap between said electrodes, the high-resistance gap being normally non-conductive at the voltage and frequency of the load current and being capable of being made conductive to carry said alternating load current in both directions only during the application across said electrodes of a current having substantially higher voltage and frequency than the load current.

2,352,993
RADIOLOGICAL METHOD OF LOGGING WELLS
Maurice M. Albertson, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 20, 1940, Serial No. 330,747
12 Claims. (Cl. 250—83.6)

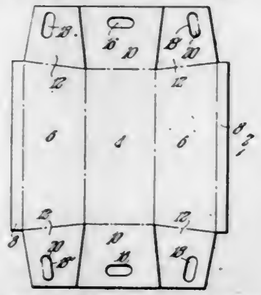
1. In a method for logging boreholes by means of a detector responsive to radio-active phenomena, the steps of introducing into a borehole and forcing into a formation zone adjacent the

borehole a liquid comprising a radio-active tracer material, subsequently withdrawing said liquid from the borehole proper, lowering said detector



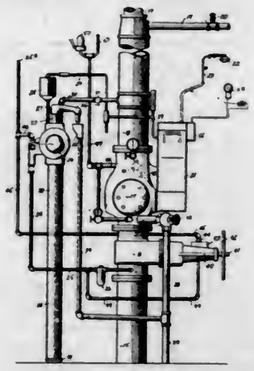
into the borehole, and indicating the radio-active effects to which said detector is subjected by reason of the presence of a portion of said material in said formation zone.

2,352,994
RECEPTACLE
James J. Morgan, Hampden, Mass., assignor to General Fibre Box Company, West Springfield, Mass., a corporation of Massachusetts
Application May 7, 1942, Serial No. 442,065
2 Claims. (Cl. 229—52)



2. A unitary foldable blank of fiber board or the like adapted for setting up into a unitary receptacle having relatively tapering sides comprising, a substantially rectangular bottom wall, side wall members extending outwardly from opposite longitudinal marginal side edges of said bottom wall, end flap members extending from opposite end edges of said side walls, end wall members separate from said end flaps extending from opposite ends of said bottom wall, certain of the end members at opposite ends of the bottom and side walls provided with tab receiving openings therethrough, and certain others of said end members provided with slits forming tabs and openings with the tabs integral with said members and bendable along upper edges of said openings, all adapted and arranged whereby to form the blank into a receptacle the said side walls and end wall members are bendable relative to the horizontal bottom wall into substantially upright positions and the end flap members are bendable inwardly relative to the side walls with said end wall and flap members at opposite ends of the receptacle in overlapping position and the said tabs inserted through the said openings of the certain end members and bent upwardly to overlie the upper edges of the openings and inner faces of the certain members and serving as the sole means of securing said end wall and flap members in overlapping relation, and edging members along and bendable relative to longitudinal edges of the side wall members for reinforcing said edges.

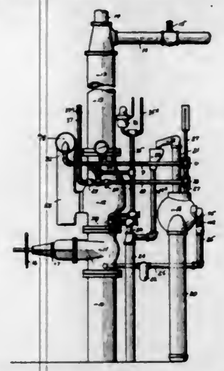
2,352,995
AUTOMATIC SPRINKLER SYSTEM
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Application March 16, 1942, Serial No. 434,857
4 Claims. (Cl. 169—17)



1. In a fire extinguishing system having distributing pipes normally containing air at 1½ pounds pressure, and an automatic valve in connection with the said distributing pipes for controlling the entrance of fire extinguishing fluid thereinto, means to render the said automatic valve responsive to a reduction in air pressure, communication means for supplying air to the said distributing pipes and for draining off excess fluid above the priming level of the said automatic valve when the automatic valve is closed, a velocity ball check valve in said communication means adapted to close against abnormal pressure at such time as the automatic valve opens and permits fire extinguishing fluid to flow rapidly thereagainst and into the system of distributing pipes as in controlling a fire, and to remain open to low velocity fluid flow therethrough in either direction under normal conditions.

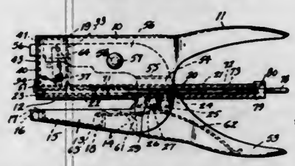
2,352,996
LOW AIR PRESSURE SPRINKLER SYSTEM
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Application March 16, 1942, Serial No. 434,858
4 Claims. (Cl. 169—17)

1. In a fire extinguishing system having distributing pipes normally containing air at 1½ pounds pressure and an automatic valve in connection therewith controlling the entrance of fluid thereinto, the said automatic valve responsive to a reduction in the said air pressure in the distributing pipes, means for supplying air to said system and draining off excess fluid above the priming level of the automatic valve when said automatic valve is closed, said means comprising a Venturi jet type air pump in communication with said automatic valve for maintaining the low air pressure in the said distributing pipes, the said air pump enclosing an air head and including a water column and overflow therefor forming a liquid seal, a velocity ball check valve interposed between the said air pump



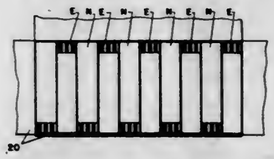
and the said automatic valve, said velocity ball check valve adapted to permit air to flow from the said pump to the automatic valve and permit drainage to pass from the automatic valve to the said air pump and hence from the sprinkler system, and to close against abnormal pressure from the automatic valve when the system goes into operation in extinguishing a fire.

2,352,997
STAPLING DEVICE
Max Vogel, Bridgeport, Conn., assignor to Neva-Clog Products, Inc., Bridgeport, Conn., a corporation of Connecticut
Application October 18, 1941, Serial No. 415,527
6 Claims. (Cl. 1—49)



1. In a stapling device, a staple driving head including a staple driving passage and staple strip supporting means adapted to guide individual staples of a staple strip into said passage, a staple driver engaged in said passage for reciprocatory staple driving and retracting movement, a closure member movably mounted on said head for opening and closing movement to respectively open and close the forward side of said staple driving passage, a catch member pivotally mounted in said staple head above said staple strip supporting means including a catch portion normally disposed in spaced relation above the staple strip supported upon said supporting means and adapted through pivotal movement of said catch member in one direction to move in an arc forwardly into blocking engagement with said strip to block the forward movement thereof toward said staple driving passage, and catch actuating means carried by said movable closure member adapted through the opening movement thereof to effect forward movement of said catch portion of said catch member to blocking position and including a part arranged to engage said catch member and positively block further forward movement, and said catch actuating means adapted through the closing movement of said closure member to effect movement of said catch portion of said catch member to its normal non-blocking position.

2,352,998
METHOD OF PACKAGING ELECTRIC BLASTING CAPS
Harvey B. Alexander, Kenvil, N. J., and Cornell H. Cordie, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application February 8, 1940, Serial No. 317,968
3 Claims. (Cl. 206—3)



1. A package of electric blasting caps comprising a container, and at least about 25 circular tubes of a common diameter, each containing an electric blasting cap shell having a detonating charge therein at one end and adjacent one end of the tube thereby providing a tube with a charged and an uncharged end, said tubes being positioned in said container so that each tube is parallel to the other and lies in a common direction normal to spaced planes parallel to each other and including said tube ends, said tube ends forming rows normal to each other, the tubes in at least one row and not more than two consecutive rows of a common direction having their charged end in a common plane, the tubes in the rows normal to the said common direction rows being arranged so that at least single charged ends and not more than pairs of charged ends are alternately positioned.

2,352,999
POCKET CIGARETTE-MAKING MACHINE
Maurice Alland, Los Angeles, Calif.
Application May 15, 1942, Serial No. 443,064
2 Claims. (Cl. 131—47)

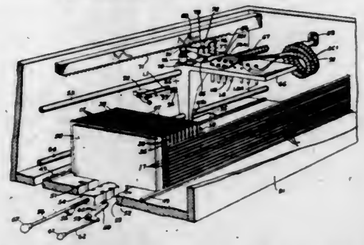


1. A cigarette rolling device having spaced apart flanges, each flange having a slot, a bearing pin having its ends journalled in the slots and adapted to move along the slots, another bearing pin having its ends supported in the flanges and immovable relative thereto, a cylinder on each pin and adapted to rotate on its respective pin, one of the cylinders having a bore of much greater diameter than its respective pin so as to allow it to be displaced radially relative to said pin and assume positions out of parallelism with said pin, and an endless belt linked to the cylinders and adapted to form an elongated pocket for tobacco to be rolled therein.

2,353,000
METHOD OF FORMING ARTICLES OF PLASTIC MATERIAL
Arthur O. Austin, near Barberton, Ohio, and Leslie W. Austin, near San Jose, Calif.
No Drawing. Application February 7, 1939, Serial No. 255,068
14 Claims. (Cl. 25—156)

1. The method of forming articles from plastic material comprising the steps of applying an emulsion comprising an aqueous suspension of hydrocarbon to the plastic material from which the article is formed and forming the article while the material is dampened with the emulsion.

2,353,001
ACCOUNTING MACHINE
John W. Armbruster, East Rockaway, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 30, 1937, Serial No. 182,455
9 Claims. (Cl. 235—61.7)



1. In a tabulating machine, the combination with a stack of flat data retaining devices, each device provided over a data representing area with a set of spaced horizontal conducting lines representing digital value and a set of spaced vertical conducting lines representing ordinal position, said sets arranged in contiguous relation and contacting at one or more points to represent data, means for retaining said devices in stacked relation to constitute a file, with terminals of one set of lines exposed on one face of the stack and those of the other set exposed on another face of the stack, means for supplying a series of timed impulses to the exposed ends of the horizontal lines, brushes for contacting the exposed ends of the vertical lines, means for advancing the brushes to contact the devices seriatim and connections leading from the brushes to elements to be controlled.

2,353,002
DISPENSING AND TABULATING MACHINE
John W. Armbruster, East Rockaway, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 9, 1938, Serial No. 212,678
10 Claims. (Cl. 235—61.8)

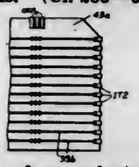
3. In an article dispensing machine controlled by records, each record bearing data indicia related to one or more different articles to be selected thereby, means for sensing the indicia on the records, a series of dispensing devices each holding a supply of articles of one kind, means under control of said sensing means for operating certain of said devices to dispense the articles represented by the records sensed, printing devices, means under control of the sensing means for operating said printing devices to record the data relating to dispensed articles, means for detecting when any dispensing devices are empty, and means under control of said detecting means for preventing operation of said printing devices when the selected articles are not dispensed.

10. In an article dispensing machine controlled by records, each record bearing indicia representing one or more different articles to be selected thereby, each record also bearing amount indicia relating to the articles to be selected



thereby, means for sensing the indicia on the records, a series of dispensing devices each holding a supply of articles of one kind, means under control of said sensing means for operating certain of said devices to dispense the articles represented by the records sensed, an accumulator, means under control of the sensing means for operating said accumulator to add the amounts relating to dispensed articles, means for detecting when any dispensing devices are empty, and means under control of said detecting means for preventing operation of said accumulator when the selected articles are not dispensed.

2,353,003
RECORD SENSING DEVICE
John W. Armbruster, East Rockaway, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application December 30, 1937, Serial No. 182,455. Divided and this application November 15, 1940, Serial No. 365,764
4 Claims. (Cl. 235—61.11)

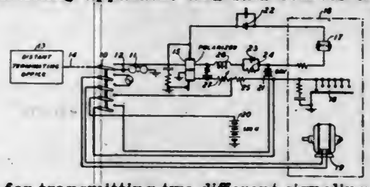


2. As an article of manufacture, a thin rectangular sheet of insulation material, said sheet bearing two separated sets of spaced conducting lines, said sets arranged at right angles to each other, one of said sets having lines allocated to different data, said lines extending to the edges of said sheet, each of said lines also having spaced, outwardly extending portions along the length of the lines, at intervals and in number corresponding with the number and spacing of the set of lines other than the set of which the line is a member, whereby a plurality of such sheets when assembled with interspersed perforated records permits sensing of the records in a stack by contact of coinciding extending portions through the perforations.

2,353,004
TELEGRAPH SYSTEM
Henry M. Bascom, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1943, Serial No. 494,211
6 Claims. (Cl. 178—63)

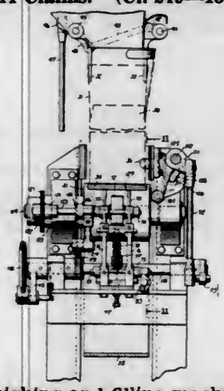
1. In a telegraph system, a telegraph transmission conductor, telegraph signal transmitting

apparatus capable of opening and closing a single circuit only, two sources of electrical energy, electrical connections including impedance elements connected between said conductor and said transmitting apparatus and said sources of en-



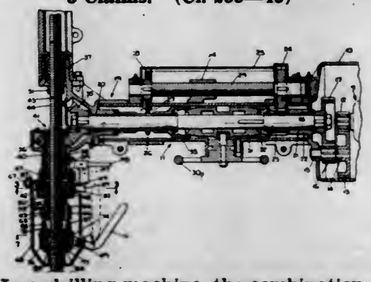
ergy for transmitting two different signaling conditions to said conductor, and a non-linear impedance element connected in said conductor to maintain the combined impedance of said nonlinear element and said connections and said transmitting device substantially constant.

2,353,005
AUTOMATIC PACKAGING MACHINE
Eric Behrent, East Rutherford, N. J., and Eugene F. Marresford, Baldwin, N. Y., assignors to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application October 12, 1940, Serial No. 360,944
11 Claims. (Cl. 249—18)



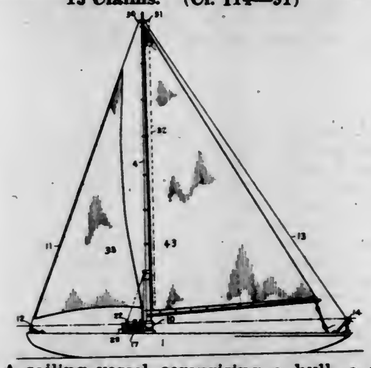
5. In a weighing and filling machine, the combination of a filling chute, a weighing scale adapted and arranged to weigh and deliver unit quantities of material in succession to the upper end of said filling chute, a timing scale, a continuously driven belt carrying a line of empty cartons to said timing scale, a front stop for engaging the forward side of a carton to position it on said timing scale below the delivery end of said filling chute, a second stop for engaging the forward side of a following carton on the belt to prevent pressure of the line of empty cartons against the carton on the timing scale, means for opening gaps between edges of the respective cartons to be engaged by said stops and the next preceding carton to provide entrances for said stops, spreader fingers mounted adjacent the delivery end of the filling chute adapted to hold open the top of the carton on the timing scale, a cam shaft having cams for operating said spreader fingers and stops, a one-revolution clutch for driving said cam shaft, and means controlled by movement of said timing scale when the carton thereon has received less than the unit quantity of material from the filling chute, to cause said clutch to engage and rotate said cam shaft, whereby the slack will be taken up, rotation of the cam shaft started, and the spreader fingers and stops moved to inoperative position by the time that the carton has received its full quantity, said control means being mechanically independent of said weighing scale.

2,353,006
DRILLING MACHINE
John S. Beltz, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application August 1, 1942, Serial No. 453,201
3 Claims. (Cl. 255—45)



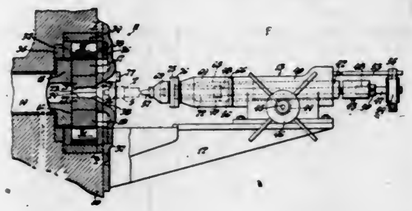
1. In a drilling machine, the combination with supporting framework, of a feed screw for a drill, means for rotating said feed screw, a sectional feed nut, an actuator associated with said feed nut to move the sections thereof into mesh with the feed screw, and wedges mounted on said actuator to extend inwardly therefrom to the spaces between the adjacent edges of the feed nut sections, and means for moving the actuator in such direction as to cause said wedges to spread said nut sections away from the feed screw and out of mesh therewith.

2,353,007
SAILING VESSEL
Edward L. Blackman, Greenwich, Conn.
Application October 8, 1940, Serial No. 360,239
13 Claims. (Cl. 114—91)



2. A sailing vessel comprising a hull, a mast with which it is fitted, a sail carried by said mast, a universal joint for the mast near its base and adjacent the deck of said hull so that it may be moved to incline forward or backward or to either side, stays fore and aft of the mast secured to the hull at points which are approximately in the horizontal plane passing through the mast joint and shrouds on either side thereof by which said mast is held in the desired position and by the taking in and slacking of which the mast may be so moved.

2,353,008
APPLYING METAL BANDS TO ARTICLES OF MANUFACTURE
Herman A. Bondeson, Providence, R. I., assignor to Standard Machinery Company, Cranston, R. I., a corporation of Rhode Island
Application January 7, 1941, Serial No. 373,478
3 Claims. (Cl. 78—15)



1. In an apparatus for attaching a band to an article of manufacture having a peripheral recess, the combination of a rotary swaging head, a mandrel for supporting the article in axial alinement with the swaging head, a sleeve slidable on the mandrel and engageable with the rearward end of the band to aline its forward end with the end of the recess in the article, means for advancing the mandrel and sleeve until the band enters the swaging head, and means engaging the sleeve for holding it against further movement with the mandrel.

2,353,009
MACHINE CENTER
George S. Boyd, East Cleveland, Ohio
Application January 30, 1943, Serial No. 474,172
3 Claims. (Cl. 82—33)



1. A center of the character described comprising a body or shank member and a tip or nose member, one of the said members being provided with a reduced threaded extension and the other of said members being provided with an internally threaded recess for the reception of the said extension, the longitudinal axis of the body or shank member and the longitudinal axes of the tip or nose member and of the extension and recess being in coincidence when the body or shank member and the tip or nose member are assembled, the member which is provided with the extension having a frusto-conical seating surface extending radially outwardly from said extension and the member having the recess being provided with a complementary frusto-conical seating surface extending radially outwardly from the threaded portion of said recess and the recess having an unthreaded portion located inwardly beyond the threaded portion thereof whereby, when the said members are assembled, the frusto-conical surfaces thereof will be in engagement while a clearance will be provided between the end of the extension and the bottom of the recess.

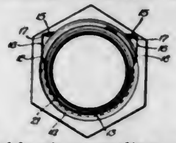
2,353,010
COMPOUNDS OF THE ANTHRAQUINONE SERIES
Edwin C. Buxbaum, Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 24, 1942, Serial No. 463,248
4 Claims. (Cl. 260—378)

1. A 1,4-diamino-2-nitroanthraquinone which carries in the benzene ring of the anthraquinone molecule remote from that which carries the amino groups, a substituent of the group consisting of nitro, hydroxy, methoxy and halogen.

2,353,011
PROCESS FOR REFINING FAT-SOLUBLE VITAMIN-CONTAINING MATERIALS
Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application January 20, 1940, Serial No. 314,799
20 Claims. (Cl. 260—420)

1. A process for the preparation of substantially odorless and tasteless fat-soluble vitamin-containing materials from fat-soluble vitamin-containing materials having objectionable tastes and odors, which comprises contacting a fat-soluble vitamin-containing material having an objectionable taste and odor with vapors evolved from a vegetable meal at a temperature between about 100° and about 200° C. at a pressure of not more than 20 mm.

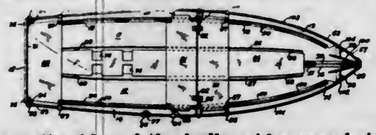
2,353,012
REMOVABLE SANITARY PIPE COUPLING
Harold W. Cheney, Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation
Application March 10, 1941, Serial No. 382,492
9 Claims. (Cl. 285—122)



1. In a separable pipe coupling, male and female pipe sections having round circular complementary juxtaposed ends adapted for abutting engagement, and an imperforate-walled coupling sleeve adapted to be disengageably carried on one of said sections and having means to overlap the entire juxtaposed end of the other of said pipe sections, said last mentioned means having a cut-out portion to receive the complementary end on the other of said pipe sections when tilted with respect to said sleeve.

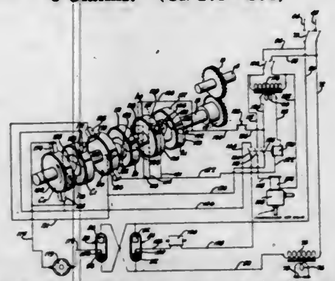
2,353,013
FOLDING AND NONFOLDING MARINE CRAFT
Charles Haskell Clark, San Francisco, Calif., assignor, by mesne assignments, of one-half to Paul F. Schumacher, San Francisco, Calif.
Application April 23, 1940, Serial No. 331,150
15 Claims. (Cl. 9—2)

1. A marine craft comprising a hull including a pair of bendable bottom sheets and a pair of bendable side sheets, each of said bottom sheets having a longitudinally convex outer lateral edge, and an inner lateral edge which is curved at one extremity and substantially straight at its other extremity, and each of said side sheets having a longitudinally convex inner lateral edge, means joining said bottom sheets on a longitudinal medial line of the craft at their inner lateral edges, means joining each side sheet to a bottom sheet at their inner and outer lateral edges respectively, said bottom sheets being adapted to be longitudinally twisted when the craft is set up for use in the water, means in said hull bearing against the inner surfaces of said bottom sheets



at opposite sides of the hull; said means being of such dimensions as to maintain said bottom sheets spread apart and to maintain the twist in said bottom sheets whereby the longitudinal extremities of said bottom sheets lie in substantially the same plane as the adjacent extremities of said connected side sheets at the bow of the craft, and flexible means closing the stern of the craft.

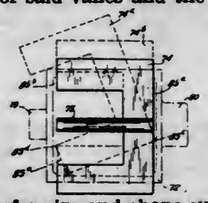
2,353,014
CONTROL MEANS
Francis G. da Roza, Ferndale, and Wilson T. Bratton, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 5, 1942, Serial No. 441,816
3 Claims. (Cl. 175—364)



1. In a control system for controlling a plurality of parts having inter-related functions, a synchronously driven control shaft, a plurality of axially spaced commutator means mounted on said shaft, a plurality of sets of brushes mounted in juxtaposition to each commutator means and means to independently adjust the angular position of each set of brushes and connecting means coupling each commutator and brush assembly to different parts of the system, whereby the energization of the different parts will be synchronized and may be adjusted with respect to each other.

2,353,015
ROTARY PUMP
Walwin L. Davis, Avon, Ohio, assignor to Everett D. McCurdy, Cleveland, Ohio, as trustee
Original application November 3, 1939, Serial No. 302,736. Divided and this application October 24, 1941, Serial No. 416,362
5 Claims. (Cl. 103—138)

1. In a rotary pump, a cylinder, a one-piece piston eccentrically mounted in the cylinder and rotatable therein, said piston being provided with end walls and an internal recess and having pairs of opposed radial slots communicating with the piston recess and terminating inwardly of said end walls, and a pair of one-piece vanes mounted in said slots in intersecting relation to each other, said vanes being substantially C-shaped so that each vane has a recess extending axially thereinto and through which recess a portion of the other vane extends when both vanes are in assembled relation in said piston, the recesses of said vanes and the recess of the

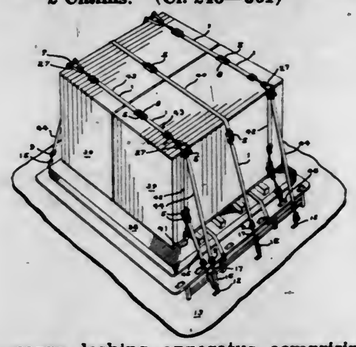


piston being of a size and shape such that when one of said vanes is disposed in one pair of said slots of the other vane can be assembled into or removed from the other pair of said slots by edgewise angular movement in such other pair of slots and through the recess of said one vane.

2,353,016
PHYSIOLOGICALLY ACTIVE SUBSTANCE
Paul J. Daughenbaugh, Wrightstown, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application January 9, 1940, Serial No. 313,054
10 Claims. (Cl. 167—74)

1. A physiologically-active preparation applicable to the treatment of human ailments, comprising an alcohol soluble and readily water soluble, protein-free, nitrogenous product soluble in saline solutions up to saline saturation and chemically derived from animal materials capable of yielding said product, which preparation is free of physiologically significant quantities of insulin, histamine and acetylcholine and practically free of toxic principles which may be manifested by heart-block, said product containing approximately 2.5% solids including about 0.25% non-protein nitrogen and about 0.9% of sodium chloride and being capable of causing a transitory lowering of the systemic blood pressure, of causing dilatation of the capillaries of the peripheral vascular system, of relieving the pain or cramp associated with intermittent claudication.

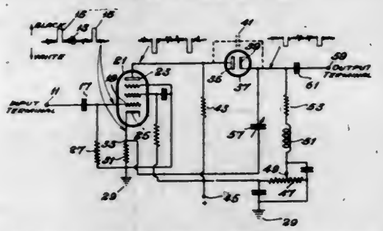
2,353,017
CARGO DECK LASHING
Malcolm G. Denton, Arbutus, Md.
Application January 28, 1944, Serial No. 520,126
2 Claims. (Cl. 248—361)



1. A cargo lashing apparatus comprising a lashing strap having welded loops formed at the

ends of teardrop shape by bending the strap along the width thereof to attach to the cargo, a pair of clips having registering holes in the ends thereof, means to hold one of said clips to one end of said strap, said means passing through the loop and the holes of the clip, the other clip being adapted to be attached to the cargo support, and turnbuckle tensioning means attaching said clips together.

2,353,018
TELEVISION APPARATUS
Vernon J. Duke, Rockville Centre, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 24, 1942, Serial No. 463,274
5 Claims. (Cl. 178—44)



1. A signal amplifying circuit comprising an amplifier tube having at least an input electrode, an output electrode and a cathode electrode, a diode connected to the output electrode, means for applying signalling impulses to the input electrode of the amplifier tube, means for providing variable bias upon the diode to determine the signal level at which signal output from the amplifier is passed through the diode, and capacitive means connected between the load terminal of the diode and the cathode of the amplifier for balancing the capacity of the diode.

2,353,019
METHOD OF ETCHING STEEL
Colver P. Dyer, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 14, 1940, Serial No. 335,172
12 Claims. (Cl. 117—51)

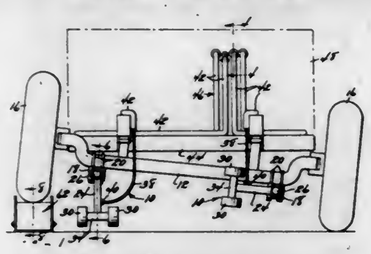
1. In the manufacture of galvanized steel objects the method of preparing the objects for galvanizing which comprises pickling them in an aqueous acid solution containing an inhibitor and then etching them by applying a relatively uniform film of an aqueous ferric sulfate solution and permitting the film to react with the steel, removing the reaction products and then galvanizing the article.

2,353,020
BOAT HULL
William J. H. Dyer, Providence, R. I.
Application November 30, 1943, Serial No. 512,401
9 Claims. (Cl. 9—6)



1. A boat hull having topsides each terminating in a chine curving from stem to stern downwardly to a low point substantially at the midship section, thence upwardly to the stern, and a bottom extending from each chine and terminating in a keel and extending from chine to chine in developable surfaces of varying angles of deadrise to provide a structure continuously V-shaped in section at all points throughout its length, comprising, in combination, a bow portion having a topside portion of approximately semi-circular shape, and a bottom terminating at an angle to the stem and substantially V-shaped in cross section with the sectional angles of deadrise decreasing sharply from forward aft, a midship portion having topsides of slight flare each containing the lowest point of its respective chine at approximately mid-section and a bottom V-shaped in cross section with the sectional angles of deadrise decreasing to a substantial minimum at approximately midsection and increasing at a less rate from there aft, and a stern portion having topsides increasing in flare from chine to sheer from forward aft, and a bottom V-shaped in cross section with the sectional angles of deadrise increasing substantially from forward aft.

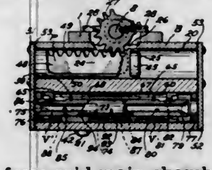
2,353,021
SELF-AUTOMATIC MECHANICAL JACK
Juan Falguera Fanés, Mexico City, Mexico
Application April 13, 1942, Serial No. 438,801
2 Claims. (Cl. 248—352)



1. In an automotive vehicle, the combination of supporting wheels and axles connected therewith for supporting the vehicle, bodies clamped to the axles adjacent the respective wheels, jack arms pivotally connected with the respective bodies and having road engaging rollers at their free ends, a fixed latch plate provided with slots, fixed guide tubes leading from a group position adjacent said slotted plate to positions adjacent the respective bodies, lines attached to the respective jack arms and slidably guided in the respective tubes for lifting said jack arms and holding the latter in inoperative positions, and means on said lines engageable with said plate when the lines are slipped in the respective slots in the plate to hold the lines and the jack arms in retracted positions.

2,353,022
MOTOR
Frederick G. Folberth and William M. Folberth, Cleveland, Ohio
Application January 16, 1942, Serial No. 426,942
6 Claims. (Cl. 121—158)

1. In a fluid pressure actuated motor, a main chamber, a drive member adapted to reciprocate in said main chamber, a valve chamber, fluid conducting passages extending from said valve chamber to the opposite ends of said main chamber, a fluid inlet to said valve chamber, a fluid outlet from said valve chamber, valve means comprising an inner valve member and an outer valve member in said valve chamber adapted when in one position to connect one end of said main chamber to said fluid inlet aind the other end of said main chamber to said fluid outlet and when in another position to reverse said connections, said valve means having a dead center position in which both said inlet and said outlet

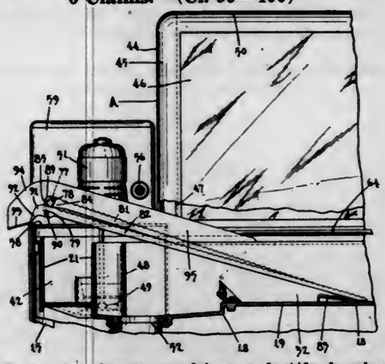


are shut off from said main chamber, and means, independent of said main chamber and operable only when said valve means is in said dead center position, for applying fluid under pressure to said inner valve member and thereby moving said valve means out of said dead center position upon application of fluid under pressure through said fluid inlet to said valve chamber.

2,353,023
PROCESS FOR THE TREATMENT OF CELLULOSE ACETATE FILMS
Ernest Freund, New York, N. Y., and Friedrich Deutsch, Rechoboth, Palestine
No Drawing. Application August 6, 1940, Serial No. 351,620
4 Claims. (Cl. 18—48)

1. A process for treating a cellulose acetate film containing a residual solvent, said process comprising the step of subjecting said cellulose acetate film to longitudinal orientation by mechanical action, and immersing in an aqueous medium within the temperature range of spontaneous extension, said range depending on the composition of the aqueous medium, the lower limit of the range lying above 50° C. and the upper limit being not higher than the boiling temperature of the aqueous medium, said medium containing an organic component, and said medium having a limited swelling effect on said cellulose acetate film.

2,353,024
DOUGHNUT MACHINE
Stephen A. Gardner, Minneapolis, Minn., assignor to Dough-King, Inc., Minneapolis, Minn., a corporation of Minnesota
Application September 8, 1941, Serial No. 409,979
6 Claims. (Cl. 99—406)



1. In a doughnut machine, a kettle having a channel along which the doughnuts travel during cooking and formed with a discharge run, a revoluble member at the discharge run having crank means and shaft means, two sets of interdisposed blades within said discharge run, said blades being disposed at an angle with respect to the surface of the cooking liquid and extending partly beneath and partly above the surface of the cooking liquid, one set of said blades being stationary and being supported at their outer ends by said shaft means, the other set of blades being pivoted at their outer ends to said crank means and being moved thereby relative to said stationary blades and means for further supporting said blades.

2,353,025
DRESSING MASK
Jeanne Gautreaux, Houston, Tex.
Application June 23, 1941, Serial No. 399,331
3 Claims. (Cl. 2—174)



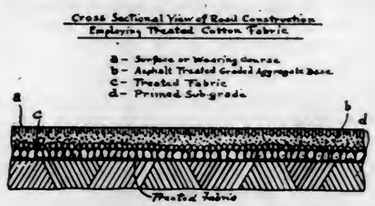
1. A dressing mask of net or like material including a plurality of shaped pieces of material and comprising a single piece cut and shaped to fit the forehead and over the nose, four additional pieces shaped to fit the neck line and chin, and a substantially semi-circular piece of opaque imperforate fabric material attached to the net material to cover the lips, and means to hold the mask on the head.

2,353,026
METAL-CLEANING PROCESS AND COMPOSITION
Harvey N. Gilbert, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 18, 1941, Serial No. 415,637
8 Claims. (Cl. 134—29)

1. The process for cleaning metal articles composed of metals substantially non-reactive with molten alkali metal hydroxide to remove surface impurities such as metal oxides and carbon which comprises immersing said articles in a molten composition comprising at least one alkali metal hydroxide containing about 1 to 25% by weight of dissolved alkali metal amide and then quenching said articles with water.

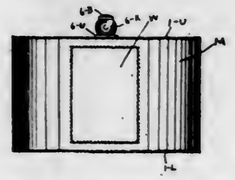
7. A fused bath for cleaning ferrous metal articles to remove metal oxides which comprises molten sodium hydroxide having about 1 to 25% by weight of sodamide and about 1 to 20% by weight of sodium hydride dissolved therein.

2,353,027
BITUMINOUS ROAD PAVEMENT
Henry S. Goodwin, East Bound Brook, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 3, 1940, Serial No. 333,156
10 Claims. (Cl. 94—9)



1. A pavement comprising as a supporting substructure a fibrous material which has been previously impregnated with a metallic stearate and a top wearing surface of bituminous material.

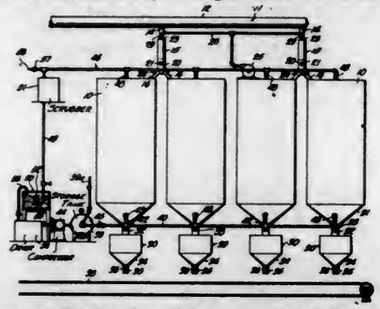
2,353,028
CHANGEABLE EXHIBITOR
Lionel J. Gottschalk, New Orleans, La.
Application June 6, 1941, Serial No. 396,855
4 Claims. (Cl. 40—77)



1. A changeable exhibitor comprising a fixed plate-like member positioned at the upper portion thereof, a plate-like member supported for rotation on said fixed member, an outer open top and open bottom lamp shade having a window and suspended at its top entirely from said fixed member, an inner open top and open bottom lamp shade of greater light transmitting character than that of said outer shade suspended at its top entirely from said rotatable member and adapted to carry matter to be exhibited, means attached to said rotatable member whereby said inner shade may be manually given rotative movement of any desired degree, and a source of illumination inside of said shades.

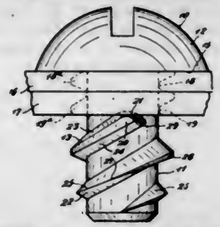
2,353,029
METHOD OF PRESERVING ORGANIC MATERIALS
William R. Graham, Jr., Kansas City, Kans., assignor to American Dairies Incorporated, Kansas City, Mo., a corporation of Maryland, and The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Application October 18, 1941, Serial No. 415,598
7 Claims. (Cl. 99—8)

1. A method of preserving relatively large amounts of oxidizable materials comprising the steps of circulating an inert gas through a confined space to entirely displace atmospheric air therein, depositing material to be stored in a closed chamber, removing occluded air from the material, then introducing the substantially oxygen-free material into the gas filled space, relieving gas from the confined space when the presssure therein exceeds a predetermined maximum, accumulating the gas relieved from the



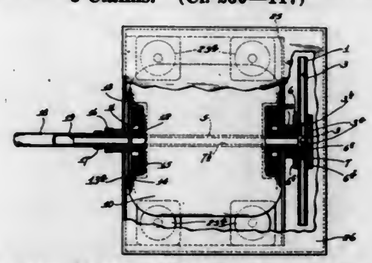
space, and returning the accumulated gas to the space when the pressure therein falls below a predetermined minimum.

2,353,030
THREADED FASTENER
Emmet M. Green, Los Angeles, Calif.
Application February 9, 1943, Serial No. 475,267
7 Claims. (Cl. 85—46)



1. A fastener of the character described comprising a screw having a head and a threaded stem and adapted to be advanced in a work opening by rotation therein, the portion of the thread nearest the tip of the screw being a relatively sharp V-thread and the portion of the thread above the V-thread portion having a flat top and being of increasing width toward the head with a maximum width at its upper end, said upper end being rounded and beveled and being spaced from said head.

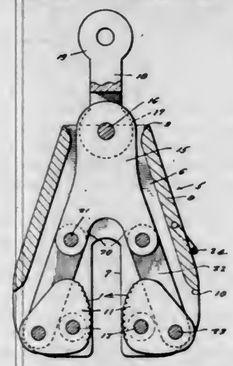
2,353,031
FLUID PUMP
Ralph E. Hartline, Swissvale, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa.
Application April 22, 1942, Serial No. 439,959
3 Claims. (Cl. 230—117)



1. A centrifugal fluid suction pump comprising a driving means having a drive shaft with a lon-

gitudinal passageway, one end of the shaft being connectable to a source of fluid, the other end of the shaft providing a driving means, a plastic impeller member with a hollow central portion and having radial passages extending inwardly from its periphery to the hollow portion, a shaft mounting means attached to the surface defining the hollow central portion of the impeller and having an inner surface for receiving the driving shaft, the shaft mounting means being attached to the end portion of the shaft and extending beyond the shaft to define a connecting chamber for the radial passages and the passageway of the shaft and having a flange extending onto one surface of the impeller body, means formed in the end of the shaft mounting means for fluidly connecting the radial passages of the impeller member to the connecting chamber, and an outer sealing plate attached to the opposite surface of the impeller body and attached to the outer surface of the shaft mounting means for sealing off the passage means connecting the radial passages to the passage of the shaft.

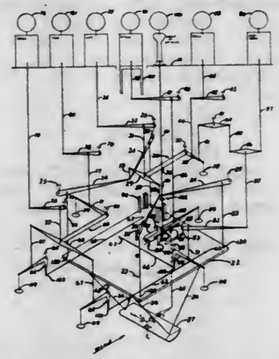
2,353,032
DOUBLE-JAWED WORK GRIPPING AND HANDLING CLAMP
Jack S. Hazouri and Carey O. Barnes, Jacksonville, Fla.
Application November 5, 1943, Serial No. 509,114
2 Claims. (Cl. 294—106)



1. As a new article of manufacture and as a component part of a clamp assemblage of the class described, a substantially hollow triangular mechanism shell adapted to house the mechanism, said shell being open at its bottom and top, substantially triangular in marginal outline and including a pair of opposed side walls and adjoining end walls, the side walls having their lower ends notched to provide work-accommodating slots, the upper and lower ends of the end walls being rounded inwardly and downwardly and the lower ends terminating in spaced relation upwardly from the corresponding lower ends of said side walls.

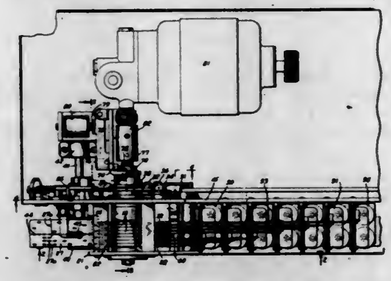
2,353,033
AIRPLANE TESTING APPARATUS
Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application September 6, 1941, Serial No. 409,823
12 Claims. (Cl. 265—1)

1. In a device for testing the forces affecting an aircraft in flight, in combination, load-counterbalancing and indicating mechanisms and a lever system operatively connecting such aircraft to said load-counterbalancing and indicating mechanisms, said lever system including a resolving lever mounted to rock on the longitudinal axis of its body and to pivot at one of its ends, said resolving lever being operatively connected to said aircraft so that the total force exerted in one direction by said aircraft pivots said lever about its end and variations in such force caused



by rotation of said aircraft on an axis perpendicular to the plane of movement of the points of connection between said lever system and said aircraft rocks said resolving lever on the longitudinal axis of its body and linkage connecting said resolving lever to at least two of said load-counterbalancing and indicating mechanisms whereby such rocking of said resolving lever actuates one of said mechanisms and such pivoting of said resolving lever actuates another of said mechanisms.

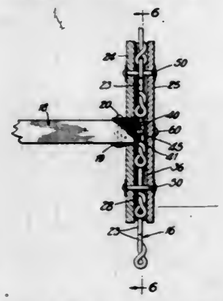
2,353,034
PERFORATING APPARATUS
Albert Clyde Holt, Oradell, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 15, 1942, Serial No. 438,973
13 Claims. (Cl. 164—113)



1. Perforating apparatus comprising a plurality of punch elements, a plurality of interposers, one for each punch element, each interposer having a yoke portion and having one end of the interposer pivotally connected to a related punch element, a rotatable eccentric disposed within the bows of the yoke portions of the said interposers for supporting and actuating the latter, a plurality of pivoted latch arms, one for each interposer, each of said arms having a pair of spaced latching fingers normally positioned in close

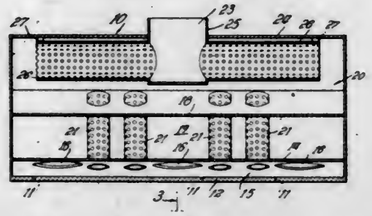
proximity to, but out of the paths of, the other ends of the related interposers and an extension portion disposed below the said latching fingers, means to control the positioning of the said pivoted arms so that the associated latching fingers engage and latch the said other ends of the related interposers for causing the latched actuated interposers to operate the connected elements, positionable locking means for said latch arms, and means to position the said locking means whereby the latter cooperates with the said latch arm extension portions so as to lock the positioned latch arms in latching positions and to prevent the positioning of undesired latch arms into latching positions.

2,353,035
CHAIN LADDER
Harold P. Hopp, Englewood, N. J., and Edward Kunzelman, Mount Vernon, N. Y., assignors to H. K. Metal Craft Manufacturing Co., New York, N. Y.
Application April 3, 1943, Serial No. 481,663
12 Claims. (Cl. 228—40)



1. In a ladder of the type described in combination, side stiles in the form of chains, wooden steps in the form of spaced individual tread members, and wooden spacing ears, means for maintaining the tread members in spaced relation, means for securing said tread members spacing means directly to the stiles, and means for securing the spacing ears directly to the stiles.

2,353,036
MANIFOLD
Robert L. Hoyle, Chicago, Ill., assignor, by mesne assignments, to Burgess-Manning Company, Chicago, Ill., a corporation of Illinois
Application November 16, 1942, Serial No. 465,665
18 Claims. (Cl. 181—40)



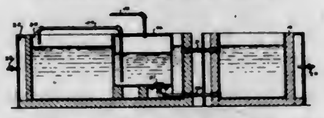
1. A manifold for internal combustion engines, comprising a shell having a plurality of inlet openings in a wall thereof adapted individually for connection to the ports of an engine, a partition spaced inwardly from said wall and defining an inlet space, said partition having openings therein substantially in alignment with said shell inlet openings, a second partition spaced inwardly from said first partition and defining a snubbing space between said partitions and an outlet space on the side of said second partition opposite from said snubbing space, a plurality of apertured, open-ended escape conduits passing through said snubbing space and connecting said inlet space with said outlet space, said conduits being in non-alignment with said shell inlet openings, a wall of said shell having an outlet opening therein, one or more open-ended apertured outlet conduits connected to said outlet opening and extending into said outlet space, and being arranged transversely of said escape conduits.

2,353,037
PUZZLE
William R. Irwin, New York, N. Y., assignor of one-half to John F. Termeer, New York, N. Y.
Application March 17, 1942, Serial No. 435,102
3 Claims. (Cl. 273—157)



1. A game or puzzle comprising a plurality of interfitting parts having markings or coloring disposed thereon in such manner that when all of the parts are correlated within a definite confine to form a continuous surface, said markings or coloring produce a comprehensive design, picture or other graphic representation, some of said parts being differently shaped to form a plurality of basic parts and other of said parts being shaped to conform to different combinations of said basic parts to form a plurality of combined parts, whereby the same position within the confines of the puzzle may be occupied either by a plurality of contiguous basic parts or one or more of the combined parts, the marking or coloring on said basic and combined parts being of such nature that a different comprehensive picture, design or graphic representation is obtained in the different relative arrangements of said parts within said confines.

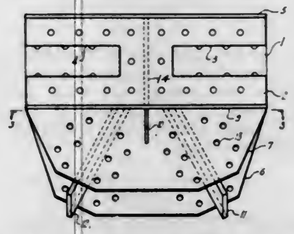
2,353,038
CLARIFICATION AND COOLING OF FLUIDS
John K. Jackson, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Original application January 11, 1940, Serial No. 313,457. Divided and this application December 5, 1940, Serial No. 368,713
4 Claims. (Cl. 210—52.5)



1. In a liquid clarifying apparatus, a first container for liquid to be clarified having an outlet

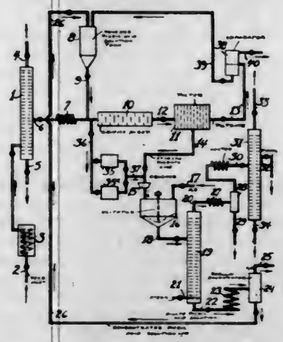
conduit near its top, a second container the top of which extends above the outlet conduit of said first container and being in communication with said conduit, a closed liquid chamber extending to substantially the height of said first container, a conduit extending between lower regions of the first container and chamber and having an associated check valve preventing flow of liquid from the chamber to the first container, a conduit extending from within the upper portion of said second container to within and near the bottom of said chamber, and means for alternately placing said closed liquid chamber in communication with atmospheric and super-atmospheric pressure sources.

2,353,039
BASIC JOINT AND BAR FOR BUILDING STRUCTURES
Tadeusz Janiszewski, New York, N. Y.
Application January 26, 1942, Serial No. 428,144
6 Claims. (Cl. 189—36)



1. A joint for building structures having angular mounting faces for connection with chord and web truss members consisting of structural angle bars, said faces engaging and joining with two legs of each of the connecting angle bars.

2,353,040
RECOVERY OF STYRENE
Minor C. K. Jones, Westfield, and Alfred A. Wells, Roselle Park, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application February 27, 1941, Serial No. 380,798
5 Claims. (Cl. 260—669)

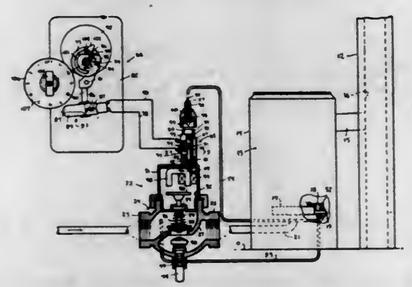


1. Process for the segregation of styrene from petroleum oils containing the same, which comprises contacting said petroleum oils with aqueous picric acid, segregating styrene picrate and recovering the styrene therefrom.

2,353,041
DYESTUFFS OF THE ANTHRAQUINONE SERIES
David X. Klein, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 24, 1940, Serial No. 362,626
5 Claims. (Cl. 260—367)

1. The process for preparing arylaminoanthraquinone compounds in which the arylamino radical is an amino-diphenyl-methane group, which comprises reacting in aqueous acid medium upon an anilinoanthraquinone which carries a methylol group in the para position of the anilino radical, with a diarylamine in which one aryl group is of the benzene series and is unsubstituted in the position para to the amine group.

2,353,042
TEMPERATURE CONTROL SYSTEM
Albert H. Koch, Atlanta, Ga., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 10, 1941, Serial No. 378,188
5 Claims. (Cl. 161—9)

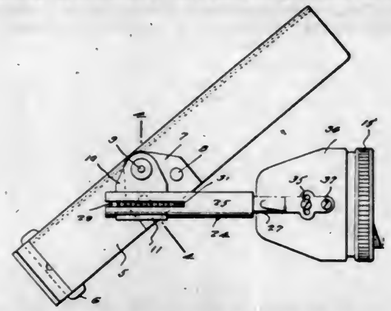


1. In burner control mechanism, a burner control device biased to one position, an electromagnet for holding it in another position, a thermocouple adapted to be exposed to a burner flame, a pair of concentric conductors connected to said thermocouple, a coupling member between said pair of concentric conductors and said electromagnet, said coupling member comprising a pair of spaced pins and a sleeve surrounding said pins, one of said pins being connected to the innermost of said concentric conductors and the other to one terminal of said electromagnet, said sleeve extending between and electrically connecting the outermost of said concentric conductors and the other terminal of said electromagnet, said sleeve having an opening therethrough, conductors connected to said spaced pins and extending through said opening in said sleeve, and a switch connected between said two last named conductors to control the connection of said thermocouple to said electromagnet.

2,353,043
WELDING GOGGLES
Edmund Kraski, Dearborn, and Chester Lutowsky, Detroit, Mich.
Application April 21, 1943, Serial No. 483,942
2 Claims. (Cl. 2—8)

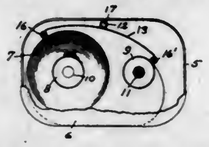
1. Welding goggles comprising a head encircling band, temples pivoted at their rear ends to opposite sides of said band, friction means for maintaining the band and temples in various po-

sitions of relative vertical tilting adjustment about the tempel pivots, each of said temples embodying a spring tension device, including a barrel and a spring-pressed rod slidably telescoped in the barrel, lens boxes having rearwardly ex-



tending eye shields at the outer sides thereof, the foreward ends of said temples being adjustably pivoted to said eye shields to permit vertical tilting adjustment of the lens boxes, and means connecting the lens boxes.

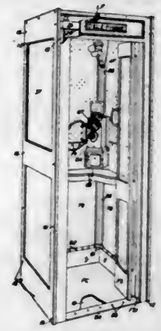
2,353,044
FILM MAGAZINE
William Kriegsheim, Long Island City, N. Y.
Application May 9, 1942, Serial No. 442,323
4 Claims. (Cl. 242—71)



1. In a film magazine for cameras including a case arranged to rotatably contain a delivery spool having delivery roll of unexposed film thereon and a take-up spool on which said film is progressively wound as a take-up roll subsequent to exposure, that improvement which comprises a resilient controlling device pivotally mounted in said case at a point between the axes of rotation of said spools and extending in opposite directions from said pivot into engagement with each of said rolls of film to develop a balanced pressure thereon which remains substantially constant throughout the entire period of transfer of said film from said delivery spool to said take-up spool regardless of progressive changes in the diameters of said rolls of film whereby uncoiling of the delivery roll of film is prevented and compact coiling of the take-up roll of film is insured.

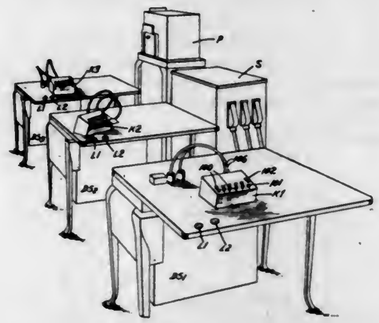
2,353,045
TELEPHONE BOOTH
Frank A. Kuntz, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 30, 1942, Serial No. 445,173
2 Claims. (Cl. 20—3.5)

1. A telephone booth comprising two side walls, a ceiling, a rear wall and a front wall, a base for holding said walls in assembled relation at their lower ends, each of said side walls comprising two wall panels of unequal height from said base, said panels having registering openings, one of said panels forming a peripheral shoulder portion concentric to the opening in the other of said panels, a sound-proof casing fitted in the opening in one of said panels in abutment against said shoulder portion to close the opening in the other panel, a sound-proof ceiling for the booth rest-



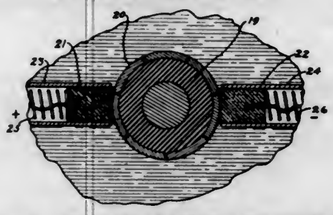
ing on the top disposed end of the shorter panels interiorly of the booth, means for securing said ceiling to the last-mentioned wall panels, and means for securing the panels of the greater height to said rear wall and to said front wall at their longitudinal edges.

2,353,046
CARD PUNCHING MACHINE
Clair D. Lake, Binghamton, and Francis E. Hamilton, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 29, 1943, Serial No. 496,562
19 Claims. (Cl. 164—113)



1. In a punching system having a single punching machine for punching digit representations derived from a plurality of control stations, the combination of a plurality of keyboards, one at each station, a plurality of storage devices at each station, means under control of the keyboard at each station for invariably setting up digit representations in one storage device and upon completion of digit setups therein for transferring the digit representations to the other storage device of the same station, and sequencing means for causing the punching machine to successively punch digit representations under control of the storage devices which receive the transferred digit representations.

2,353,047
ELECTRIC MOTOR STRUCTURE
Kenneth Lannert, Overland, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application April 4, 1942, Serial No. 437,705
8 Claims. (Cl. 171—325)



1. An electric motor having a commutator and positive and negative brushes, each brush being formed of a first conducting material with a second material of greater conductivity dispersed therethrough, the proportion of the material of greater conductivity in said positive brush being greater than the proportion of the corresponding material of the negative brush.

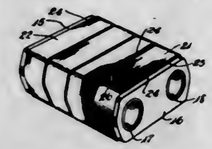
2,353,048
INTAGLIO PLATE PRINTING MACHINE
Vincent Larocca, Brooklyn, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application October 17, 1941, Serial No. 415,365
6 Claims. (Cl. 101—159)

1. In a printing machine having a plate support arranged to carry a printing plate, an endless flexible driving member, rotatable members positioned to support the driving member, guideways vertically aligned with the path of the driving member between the rotatable members, means connecting the support with the driving member to move the support in a path following the guideways, carrying members secured to the driving member ahead of and behind the support, and guiding members on the carrying members and engaging the guideways to prevent excessive vibration of the flexible driving member.

2,353,049
PROCESS FOR PREPARING 6-Bz-1-DIBROMOBENZANTHRONE
Henry R. Lee, Pitman, and Clarence F. Belcher, Bridgeton, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 13, 1942, Serial No. 465,486
6 Claims. (Cl. 260—352)

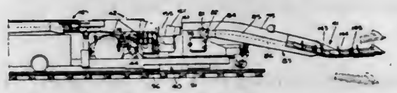
1. In the process for preparing 6-Bz-1-dibromobenzanthrone wherein the crude bromination product is suspended in an organic solvent, the steps which comprise extracting the organic solvent suspension of the crude 6-Bz-1-dibromobenzanthrone with sulfuric acid of from 78% to 88% concentration, filtering the organic solvent-sulfuric acid slurry and hydrolyzing the resulting insoluble reddish-brown crystalline residue with water.

2,353,050
TRACK BLOCK
Charles W. Leguillon and Alvin S. Krotz, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 15, 1942, Serial No. 454,895
10 Claims. (Cl. 305—10)



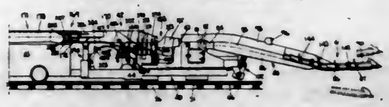
1. A track block for a self-laying track type vehicle, said track block comprising a body of unadhered individual laminations of unadhered strand material in stacked relation with ends of the strand material at upper and lower faces of the block, retaining elements extending transversely through the laminations, and plate elements at ends of the body and secured to said retaining elements.

2,353,051
LOADING MACHINE
Nils D. Levin, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Original application October 22, 1937, Serial No. 170,426. Divided and this application January 17, 1941, Serial No. 374,823
1 Claim. (Cl. 198—7)



A loading machine comprising the combination with a base frame, of a discharge conveyor mounted on said frame, a gathering conveyor mounted on said frame, a motor on said base frame, a vertical power transmitting shaft, two gears connected to said shaft to rotate therewith, mechanism connecting said motor directly to said shaft through one of said gears, a third gear loose on said shaft, a gear train between the third gear and said gathering conveyor, a clutch between said shaft and said third gear to control the operation of the gathering conveyor, said three gears and clutch being concentric with said shaft and compactly mounted in advance of said motor, and power transmission mechanism between said discharge conveyor and the other of said two gears, said last-named power-transmission mechanism comprising a clutch for controlling the operation of said discharge conveyor, the construction and arrangement being such that by means of said clutches the said conveyors may each be operated independently of the other from the same vertical power transmitting shaft by a single motor connected thereto.

2,353,052
LOADING MACHINE
Nils D. Levin, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Original application October 22, 1937, Serial No. 170,426. Divided and this application February 18, 1941, Serial No. 379,475
6 Claims. (Cl. 198—11)

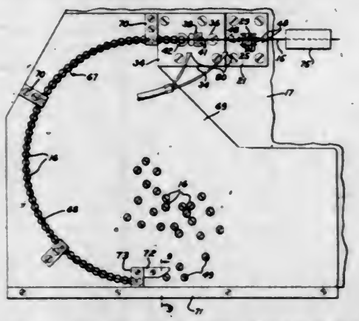


1. A loading machine comprising the combination with a wheeled truck adapted to travel on a mine track, of a conveyor apparatus including a forwardly extending gathering unit pivoted to the wheeled truck at its rear end portion on horizontal and vertical axes with the forward end of said gathering unit resting on the ground in advance of said wheeled truck, and fluid pressure motor mechanism connected to said gathering unit to depend therefrom and adapted to lift the wheeled truck when derailed for replacement on the track while the forward end of said gathering unit rests on the ground as aforesaid.

2,353,053
CONDENSATION PRODUCT AND METHOD OF PREPARING AND USING SAME
Eugene Lieber, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 20, 1940, Serial No. 330,697
13 Claims. (Cl. 252—51)

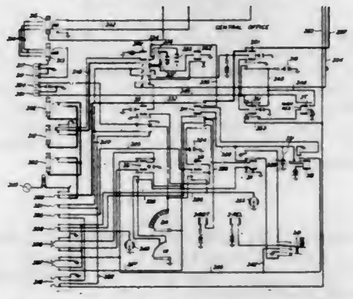
1. A composition comprising a Friedel-Crafts condensation product of a monomeric aromatic compound and an aliphatic monohalogen substituted hydrocarbon having 1 to 6 carbon atoms, said condensation product being substantially free from materials removable by a fire and steam distillation up to about 600° F., and capable of depressing the pour point of waxy mineral oils when added thereto in small amounts.

2,353,054
ARTICLE WORKING AND ASSEMBLING APPARATUS
August S. Liss, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1942, Serial No. 437,987
10 Claims. (Cl. 29—33)



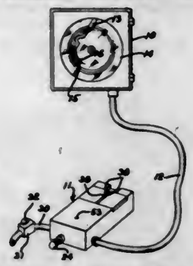
3. In an article assembling, working and handling apparatus, means for feeding elements to predetermined positions for attachment to each other, relatively movable tools for attaching the elements to complete an article, and laterally yieldable members longitudinally movable with one of said tools adapted to yieldably grip the article and carry it from the other of said tools, said members comprising shouldered pins rockably carried upon their shoulders in apertures in said tool.

2,353,055
SATELLITE COMMUNICATION SYSTEM
Tola A. Marshall, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 19, 1942, Serial No. 458,979
16 Claims. (Cl. 178—2)



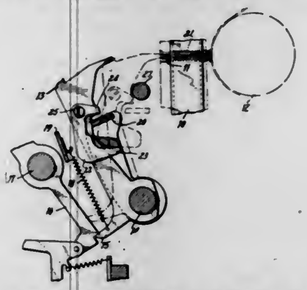
1. In a telegraph exchange system, a central office, comprising an operator switchboard, a test board, main trunks terminating at said central office each having an appearance at a position of said switchboard and a position of said test board, a testing trunk at said test board, having means for connection at said switchboard to any one of said main trunks, and means at said test board for determining the condition of any one of said main trunks, said means comprising patching means for interconnecting at said test board said testing trunk and one of said main trunks, signal devices connected to said patching means, and operable means arranged, when operated, to cause said signal devices to indicate whether a selected trunk is busy, idle or in the condition wherein a call from a distant point is awaiting an answer.

2,353,056
WELD STRENGTH TESTING APPARATUS
Frank Martindell, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1942, Serial No. 436,306
2 Claims. (Cl. 265—14)



1. A weld strength testing and recording apparatus comprising a pressure responsive recorder, a cylinder in communication with said recorder, means on said cylinder for holding one of a pair of welded-together articles against movement, a piston in said cylinder having means thereon for engaging the other of said pair of welded-together articles, resilient means for normally maintaining the piston in a predetermined position, means for supplying air under pressure to said cylinder to impart movement to the piston against the resilient means for shearing the welded-together members one from the other, and an escape port in said cylinder normally blocked by the piston and positioned to permit the air admitted under pressure thereto to escape directly from the cylinder solely by movement of the piston out of blocking association therewith after one of the articles has been stripped from the other article.

2,353,057
PRINTING MECHANISM
Albert W. Mills, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 8, 1941, Serial No. 387,435
4 Claims. (Cl. 101—93)



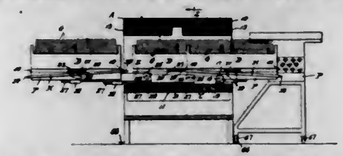
1. In a printing machine having a pivoted printing hammer, a latch normally holding the hammer in retracted position, a spring urging the hammer in striking direction and a fixed stop approached by the hammer when released, the combination of a weighted interposer pivoted on the hammer and arranged to move integrally therewith in striking direction, the inertia of the weighted portion of the interposer upon rebound of the hammer causing relative movement between it and the hammer to bring a part of the interposer into engaging relationship with the said stop so that the hammer is prevented from effecting repetition of its striking action.

2,353,058
METALLIC PASTE PIGMENT
Leo J. Mitchell, Clayton, Mo.
No Drawing. Application September 18, 1940, Serial No. 357,285
12 Claims. (Cl. 260—31)

1. A bronze paste consisting of straight run bronze powder, resin of acid number lower than 8 and a volatile thinner free of sulphur and acidity.

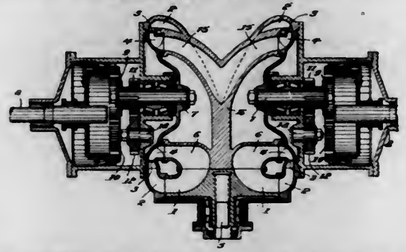
2,353,059
FILING APPARATUS
James B. Murray, Garden City, N. Y.
Application June 21, 1941, Serial No. 399,091
9 Claims. (Cl. 45—2)

5. In a filing apparatus, a supporting structure, a guide track affixed to said supporting structure and extending transversely thereof, a plurality of nested slide members having limited guided translatory movement with relation to each other and supported upon said guide track for movement of said slide members to and from projected relation with reference to opposite sides of the supporting structure, a file drawer, and means pivotally mounting the file drawer upon one of the slide members for reversing the relative positions of the ends of the drawer when in



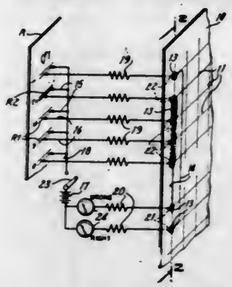
projected relation at either side of the supporting structure and means carried by one of said slide members for retaining the slide members from movement relative to each other and to the track, and said means being engageable at opposite ends of said slide member for movement to thereby free the slide members for movement thereof in opposite directions to and from projected relation with reference to the supporting structure.

2,353,060
HYDRAULIC TRANSMISSION AND DIFFERENTIAL GEARING
Carl A. Norman, Columbus, Ohio
Application August 4, 1941, Serial No. 405,427
1 Claim. (Cl. 74—189.5)



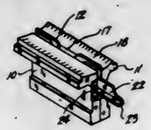
A combined automatic speed changing and differential gearing of the fluid pressure type comprising a driving element and two driven elements arranged symmetrically to the right and left of the driving element and provided with fluid circulating channels, and guide vanes for the driven elements arranged with their axes in parallel planes, the axis of said driving element being at right angles to the axes of said driven elements, a casing for said elements having symmetrical fluid circulating channels provided with guide vanes cooperating with said driven vanes and divided into two systems disposed on opposite sides of a plane passing through the axis of said driving element perpendicular to the axis of said driven elements, said guides being circumferential in extent and spaced from said vanes to provide wide clearances therebetween and increase the efficiency of operation under varying speed ratios thereof, a power driven shaft for rotating said driving element, power distributing shafts operatively connected to said driven elements, respectively, said driven elements and power distributing shafts being connected by speed reduction and reversing gearing mounted in said casing, and means for shifting said gearing from forward to backward direction and vice versa.

2,353,061
CIRCUIT CONNECTING DEVICE
Derk J. Oldenboom, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 29, 1940, Serial No. 363,386
4 Claims. (Cl. 173—328)



1. A circuit connecting device comprising a flexible sheet having a plurality of index point positions on both sides, with the positions on both sides coinciding, said sheet being punctured at its index point positions and covered with conductive ink over a delimited area surrounding one or more positions, said ink penetrating the punctures to conductively connect the areas of conductive ink on the opposite sides.

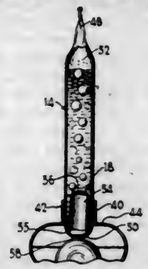
2,353,062
RAZOR BLADE HOLDER
Edward Olszewski, Detroit, Mich.
Application July 24, 1943, Serial No. 496,259
2 Claims. (Cl. 51—218)



2. A holder for razor blades having a central longitudinal aperture, comprising an inwardly arched, substantially rectangular bed for a blade, said bed having a centrally located longitudinal slot designed to be in register with the aperture in the blade, two flat members pivotally mounted within the slot, each having a plurality of teeth in mesh with the teeth of the other, a clamping finger on each member, the fingers extending in opposite directions and being normally disposed parallel to the surface of the bed, a lever projecting from one of said members and out of the slot to impart an oppositely rotary motion to said members to cause the fingers to clamp the end portions of the blade from inside its central aperture.

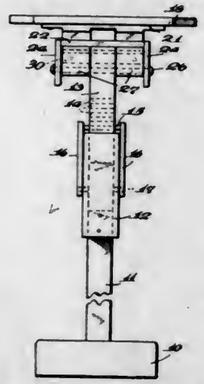
2,353,063
ORNAMENTAL ILLUMINATING DEVICE
Carl W. Otis, Menands, N. Y.
Application November 6, 1941, Serial No. 418,027
16 Claims. (Cl. 240—10)

1. For use in an ornamental bubbling device employing a low-wattage electric light bulb as a source of heat, the combination of a hollow pellucid member, a low boiling point liquid contained within said member, and means adjacent the bottom of said member for dividing said liquid into two disparate bodies, said means being wholly contained therein and being movable



with respect to said member from a position in which it contacts said hollow pellucid member to a position spaced away therefrom.

2,353,064
BEAUTY PARLOR STAND
Thelma Linthicum Parham, Dallas, Tex.
Application January 20, 1943, Serial No. 473,017
1 Claim. (Cl. 311—39)

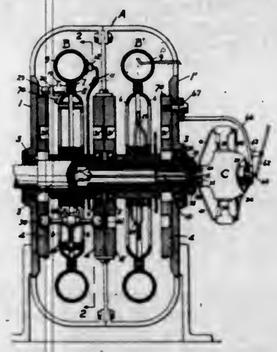


A stand of the character described comprising in combination, a base with an upwardly extending pedestal, an extension on the upper end of said pedestal, a table of U-shaped construction at the upper end of said extension and hinged thereto, said hinge including a slot in the upper part of said extension, a locking bar movable in said slot, and a slotted member on the underside of said table and movable therewith, said bar having a sliding connection with respect to the pedestal whereby when raised in said slots the table is permitted to tilt.

2,353,065
DIESEL ENGINE
Harry E. Petrilli, Wilmington, Del., assignor, by mesne assignments, to Atlas Engine Co., Inc., Wilmington, Del., a corporation of Delaware
Application July 16, 1941, Serial No. 402,571
6 Claims. (Cl. 123—43)

1. In a rotary Diesel engine, in combination, a rotatable shaft, a plurality of arcuate cylinders radially spaced from the shaft, means fixedly connecting said cylinders to said shaft for rotation therewith, pistons in said cylinders, connecting rods connected to said pistons, arms turnable on said shaft and respectively connected to said connecting rods respectively, a fixed cam

track, a linkage connecting each of said arms with a cylinder and a cam follower connected to each of said linkages and positioned to follow



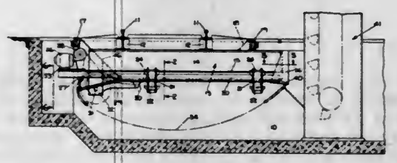
said cam track, said cam track being designed to control the movements of said pistons in the cylinders in the rotation of the cylinders and shaft.

2,353,066
SAFETY RAZOR BLADE SHARPENER
Walter W. Phillips, Selbyville, Del.
Application November 3, 1943, Serial No. 509,005
2 Claims. (Cl. 51—235)



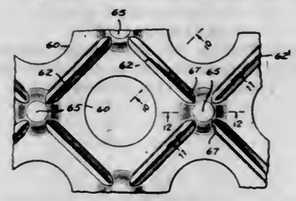
1. A holder for safety razor blades comprising a body having a flat bottom surface, and a compressible pad fixed to said bottom vacuum holes therein so disposed as to be covered by solid portions of a blade laid on the pad when the longitudinal and transverse axes of both pad and blade coincide.

2,353,067
SELF-CLEANING PLATE FEEDER
Harry R. Patterson, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application July 8, 1943, Serial No. 493,872
7 Claims. (Cl. 198—227)



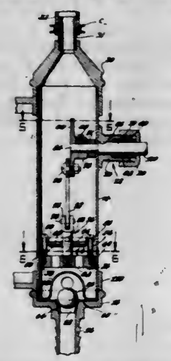
1. In combination, a conveyor including a material supporting deck, means for reciprocating said deck to convey material relative to said deck, and scraper conveyor mechanism including an endless chain traveling over said deck for conveying material thereover.

2,353,068
METALLIC FLOORING
Edmund Peremi, Manhasset, and Louis Toth, Flushing, N. Y., assignors to General Bronze Corporation, Long Island City, N. Y., a corporation of New York
Application April 18, 1942, Serial No. 439,584
3 Claims. (Cl. 189—34)



2. A flooring of the character described having non-skid and non-resilient properties including a sheet metal floor plate having series of rows of large spaced perforations therethrough in even geometric pattern, said perforations being surrounded by short ribs of inverted V shape formed in the metal of the floor plate between said rows of perforations and between individual perforations of rows, and raised bosses formed in said plate between the ends of said ribs, the arrangement providing a set of four ribs disposed in substantially rectangular relation about individual perforations with said bosses being situated substantially at each corner of said rectangle, the diameter of the perforations being at least half the width of the rectangles.

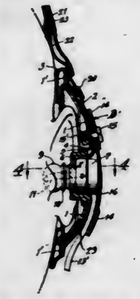
2,353,069
BILGE PUMP OPERATING MEANS
Frederick Perkins, Jamaica, N. Y., assignor to Perkins Marine Lamp & Hardware Corp., New York, N. Y., a corporation of New York
Application February 12, 1943, Serial No. 475,621
5 Claims. (Cl. 103—205)



1. For use in a manually operatable reciprocating marine bilge pump comprising an elongated barrel of uniform diameter and a plunger reciprocatable within said barrel: a bilge pump operating means for reciprocating said plunger, said means comprising a stuffing box mounted directly on a barrel wall and disposed wholly externally thereof, an oscillatable operating shaft rotatably supported in said stuffing box with its axis extending perpendicular to and transecting the longitudinal axis of said barrel, one end of said shaft extending exteriorly of said stuffing box, an operating lever handle secured to said shaft end, the other

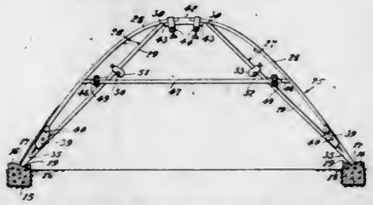
end of said shaft extending freely interiorly of said barrel, and means secured to said other end and connecting the latter and said plunger to transform rotary oscillatory movement to linear reciprocating movement, said motion transforming means including a crank pin and a Scotch yoke.

2,353,070
HEADPHONE
Roy S. Pitkin, Jr., Rochester, Minn.
Application March 22, 1943, Serial No. 480,013
7 Claims. (Cl. 179—156)



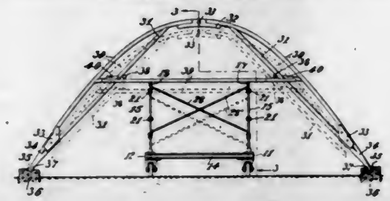
5. A head phone comprising a shallow, rigid cup having an opening therein and being provided with an integral pocket, a phone unit carried in said pocket, a soft, resilient duct carried by said cup and projecting through said opening into the cup, one end of said duct communicating with the phone unit and the other end adapted to abut and seat itself against the mouth of the auditory canal so as to acoustically seal the end thereof, and a soft, hollow, bulbous bead around the marginal edge of said cup which together with the cup completely encloses the ear of the wearer and acoustically seals the cup to the head.

2,353,071
SKELETON STRUCTURE
Eugene Pitou, New York, N. Y., assignor to The Patent Scaffolding Co. Inc., Long Island City, N. Y., a corporation of New York
Application June 19, 1943, Serial No. 491,456
6 Claims. (Cl. 189—1)



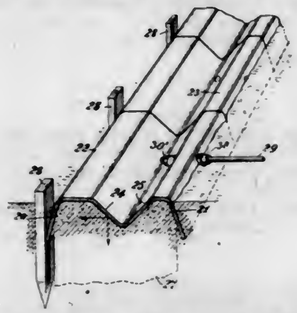
5. As an article of manufacture, a rib member having an outer member of a semi-parabolic shape and an inner chord member having its ends connected with the outer member near its ends, one end of the outer member extending beyond the end of the chord member and both of the other ends of the outer member and chord member having end surfaces disposed in the same plane, said plane being inclined to the axis of said outer member and of said chord member, and a central connecting member connecting the median parts of said outer member with said chord member.

2,353,072
TRUCK FOR MOVING SKELETON FRAMES FOR HUT CONSTRUCTIONS
Eugene Pitou, New York, N. Y., assignor to The Patent Scaffolding Co. Inc., Long Island City, N. Y., a corporation of New York
Application July 1, 1943, Serial No. 493,055
1 Claim. (Cl. 304—9)



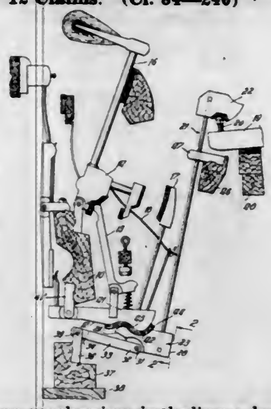
In a jack truck the combination of longitudinal lateral I beams laterally spaced apart the width of a truss structure intended to be supported thereby, transverse beams of a length equal to said width connecting the longitudinal beams to form a frame, all of said beams being in horizontal plane, wheel supporting brackets connected with said frame and extending below the lower part of the frames and downwardly from said plane, lifting jacks connected with said frame and extending above the upper part of said frames, and extending upwardly from said plane, terminating in a plane parallel therewith, and a self contained scaffolding truss structure having weight supporting longitudinal lateral trusses, transverse braces holding the longitudinal trusses spaced apart, and vertical depending members, supported at their lowermost ends upon said jacks.

2,353,073
METALLIC SILL MEMBER FOR FRAMES IN BUILDING CONSTRUCTIONS
Eugene Pitou, New York, N. Y., assignor to The Patent Scaffolding Co. Inc., Long Island City, N. Y., a corporation of New York
Application July 1, 1943, Serial No. 493,056
4 Claims. (Cl. 189—1)



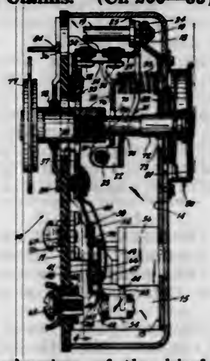
1. An improved sill consisting of a metallic member comprising an elongated thin plate having at its margins ground engaging legs substantially at right angles to the face of said plate, and having angular portions therebetween forming a trough, one angular portion of said trough having an angle to the horizontal of about 45° to resist force applied by a structural member normal to that portion and another adjacent angular portion of said trough inclined to the horizontal in line with the structural member so supported by the 45° portion.

2,353,074
PIANO ACTION
Julian C. Potwin, Ivoryton, Conn., assignor to Pratt, Read & Company, Ivoryton, Conn., a corporation of Connecticut
Application July 20, 1942, Serial No. 451,544
12 Claims. (Cl. 84—240)



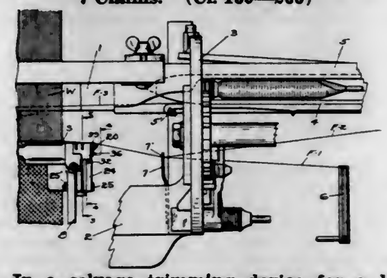
1. In piano mechanism including a key with a capstan near the rear end thereof, and a piano action including a pivoted whip, an abstract operatively connecting said action and key having a head portion overlying said capstan and operatively connectible therewith, an abstract foot portion extending longitudinally in a direction from front to rear of said piano action, means pivotally connecting said foot portion intermediate the ends thereof to said action, with one end thereof underlying said whip for operative engagement therewith, and the other end being connected with said head portion by a lifter rod portion, with the adjacent surfaces of said whip and said one end of the abstract foot portion being reversely curved to provide for a substantially rocking action therebetween on lifting of said whip by said abstract, said abstract on disconnection of said capstan and head portion being transportable with said action as a unit.

2,353,075
ACCESSORY CIRCUIT SWITCH
Clarence Rennecamp, St. Louis, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application January 1, 1942, Serial No. 425,287
2 Claims. (Cl. 200—83)



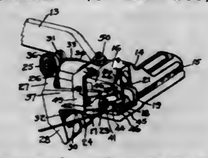
1. In a mechanism of the kind described, a lever, a pivot for the lever, a stop for the end of the lever spaced from the pivot, said stop comprising first switch contact means, the lever having an original shape between the stop and the pivot, but being resilient between said points to be bowed from said shape, power means to displace the lever about the pivot until the other end thereof strikes the stop, and further movement of the power means being adapted to bow the lever against its inherent resiliency between the stop and the pivot, and second switch contact means disposed at the bowed portion of the lever and adapted to be engaged when the power means bows the lever a predetermined amount, said lever being adapted to return to its original shape upon release by the power means, and thereby to disengage the second switch contact means.

2,353,076
INTERMITTENT SELVAGE TRIMMING DEVICE
James E. Repass, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application September 7, 1942, Serial No. 457,589
7 Claims. (Cl. 139—266)



1. In a selvage trimming device for a loom having a reciprocating lay, a supporting member having a cutter blade mounted therein for movement from an inoperative to an operative position, a spring actuated lever engaging said cutter blade for imparting motion thereto to an operative position, said cutter blade and said lever being moved to an inoperative position by engagement with the lay, and a locking means for holding said lever and said blade in an inoperative position, said locking means having a portion constructed and arranged to be actuated by an incoming filling end and an outgoing filling end to release said lever and said blade so that said blade may become operative to cut said filling ends, said locking means functioning to lock said lever and said blade in an inoperative position when said filling ends are cut.

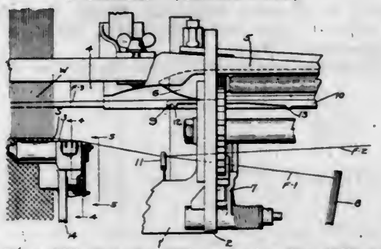
2,353,077
INTERMITTENT TEMPLE THREAD CUTTER
James E. Repass, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application September 7, 1942, Serial No. 457,590
7 Claims. (Cl. 139—266)



1. In a filling end cutter device for a filling replenishing loom, a temple supporting member

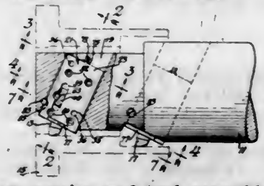
located close to the selvage of the cloth, a temple thread cutter blade mounted therein for movement from an inoperative to an operative position, a spring actuated lever mounted on said supporting member and engaging said cutter blade for moving it to an operative position, and means normally holding the said lever inactive with the cutter blade in an inoperative position, said means being constructed and arranged to be actuated by an incoming filling end and an outgoing filling end to release said lever from the inactive position.

2,353,078
INTERMITTENT THREAD CUTTING MECHANISM
James E. Repass, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application September 7, 1942, Serial No. 457,591
9 Claims. (Cl. 139—266)



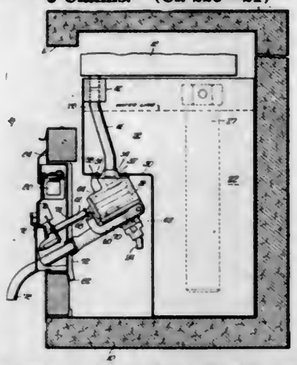
1. In a filling end cutting device for filling replenishing looms, a supporting member for a loom temple located close to the selvage of the cloth, a cutter blade mounted therein for movement from an inoperative to an operative position, a spring connected to the cutter blade for moving it to an operative position, a member connected to said cutter blade, means mounted on said supporting member to engage said connecting member normally to hold said cutter blade in an inoperative position, said means being actuated by an incoming filling end and an outgoing filling end to release said connecting member to permit said spring to move said cutter blade to an operative position.

2,353,079
TOOLHOLDER
Ira Allen Rice, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 14, 1942, Serial No. 469,021
3 Claims. (Cl. 77—58)



1. In a bar, carrier and tool assembly, a carrier for a tool, said carrier comprising two mating parts, said parts having recesses, said recesses shaped to jointly fit the cross section of a tool shank, means to fasten said parts together, means to adjust the tool along its axis in said recesses and wedge means adapted to engage said tool shank with one face and to engage both said carrier parts with its other face to grip said tool shank in adjusted position.

2,353,080
REFRIGERATED BEVERAGE MIXING ASSEMBLY
William E. Richmond, Kenilworth, Ill., assignor to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware
Application August 3, 1940, Serial No. 350,908
3 Claims. (Cl. 225—21)



1. In a beverage vending machine for mixing and vending cold drinks, an insulated cabinet, a container for a liquid hold-over bath in said cabinet adapted to cool the space within said cabinet, a mixing assembly for mixing a syrup with a second liquid to form a beverage, said mixing assembly being disposed in a lower part of the space within said cabinet outside of but partially surrounded by the container for said hold-over bath, a syrup tank in the upper part of the space within said cabinet outside of said hold-over bath, a conduit passing through the hold-over bath connecting said syrup tank to said mixing assembly, and means for cooling said second liquid in said hold-over bath and passing it to said mixing assembly.

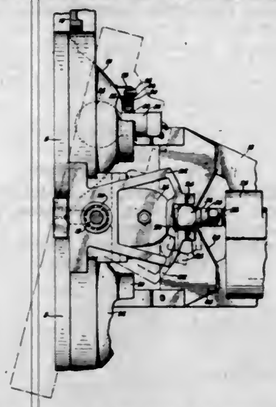
2,353,081
SULPHATED MONOETHANOLAMIDES AND PROCESS FOR THE PREPARATION THEREOF
Edwin A. Robinson, Chatham, and Gifford D. Davis, South Orange, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application June 14, 1939, Serial No. 279,118
5 Claims. (Cl. 252—153)

3. The sulphated monoethanolamide of a mixture of caproic, caprylic and capric acids, said mixture containing about 5% caproic acid, about 35% caprylic acid and about 60% capric acid.

4. A shampoo comprising a sulphated monoethanolamide of a mixture of caproic, caprylic and capric acids, said mixture containing from about 5% to about 10% caproic acid, from about 25% to about 55% caprylic acid and from about 35% to about 65% capric acid, and a substantially white mineral oil having a specific gravity at 15° C. of between about 0.83 and about 0.89.

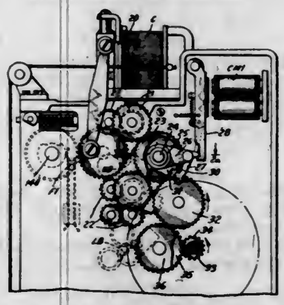
2,353,082
LIGHTING FIXTURE
Gordon E. Roedding and Robert N. Falge, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 4, 1941, Serial No. 405,324
3 Claims. (Cl. 240—48)

1. In a multiple unit headlight for locomotives, a housing, a plurality of lamp units in said housing, at least one of said lamp units being so constructed and located in said housing as to project a relatively fixed driving beam to illuminate the roadbed in front of the locomotive, means for mounting at least one of said lamp units in said housing for oscillation relative to said locomotive to project a warning beam which oscillates with reference to said relatively fixed driving beam,



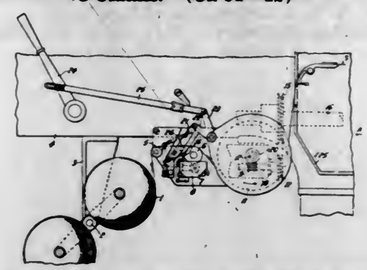
power operated means adapted to be connected to said mounting means to oscillate the same, manually controlled clutch means between said power operated means and said mounting means, and a means operable on disengagement of said clutch means to cause said warning beam to assume a position to supplement said relatively fixed driving beam.

2,353,083
RECORDING MACHINE
Robert I. Roth, Valley Stream, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 27, 1942, Serial No. 456,355
20 Claims. (Cl. 178—4)



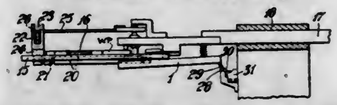
1. A cyclically operable recording machine controlled by records bearing alphabetical or numerical character designations, means for sensing, each cycle, the designations on the records, a plurality of character representing means, one for each character to be recorded, two groups of control means, means cooperating with the sensing means for selectively controlling one of the control means of each group, each cycle, upon sensing alphabetical or numerical character designations, means selectively controlled by the selected control means of each group for conditioning certain ones of the said character representing means, a group of stationary recording elements, and means cooperating with the conditioned character representing means for selectively rendering the recording elements operative, thereby effecting recording of the characters represented by the sensed designations.

2,353,084
CONTINUOUS ROD TYPE CIGARETTE MAKING MACHINE
Félix Frédéric Ruau, Deptford, London, England, assignor to Molins Machine Company, Limited, Deptford, London, England
Application April 18, 1940, Serial No. 330,415
In Great Britain May 4, 1939
3 Claims. (Cl. 91—12)



3. In tipping apparatus of the kind described, means to feed a cork web whose longitudinal edge portions are to be secured to each other, an adhesive container, an adhesive applying roller to transfer adhesive from the container to one of said edge portions, a scraper to remove excess adhesive from the adhesive applying roller, a drying roller whose peripheral surface is adapted to be engaged by that surface of the cork which is opposite to the side to which adhesive is applied, means to rotate the drying roller at a peripheral speed which is greater than the linear speed of the cork web and in a direction such that the engaging surfaces of the drying roller and the cork web move in the same direction, and means to heat the drying roller so that the adhesive is partly dried and is thereby made tacky.

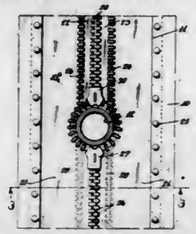
2,353,085
GAUGING OR SORTING MACHINE
Félix Frédéric Ruau, Deptford, London, England
Application December 14, 1942, Serial No. 469,033
In Great Britain December 3, 1941
12 Claims. (Cl. 209—89)



3. A gauging device comprising a movable member carrying a pair of spaced jaws between which an article to be gauged is placed, a second pair of spaced jaws between which a slip gauge or the like is placed, means operatively connecting the two pairs of jaws so that when the article receiving jaws close upon an article and are not stopped by said article itself when they are a predetermined distance apart representing the desired thickness of said article, the gauge receiving jaws grip the slip gauge firmly between them, means for moving the member when both the article being gauged and the slip gauge are between the respective pairs of jaws, whereby movement of the gripped slip gauge along with the member will result when the thickness of the

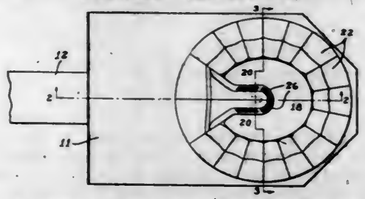
article departs from the predetermined standard, means for moving successive articles to be tested into and out of the reach of said jaws and along a delivery path, means for diverting an article from said delivery path, and means operatively connected between said last named means and said slip gauge for bringing said last named means into operation to divert an off-sized article upon movement of the slip gauge when gripped as described.

2,353,086
CLOSURE FOR SLOTLIKE APERTURES
Louis W. Schaaff, Jackson Heights, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application November 6, 1941, Serial No. 418,084
3 Claims. (Cl. 89—36)



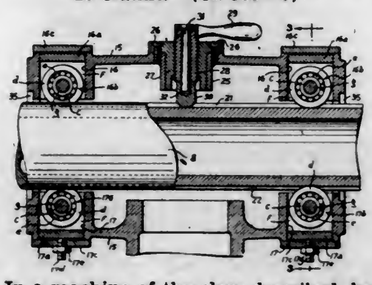
1. A closure for a slot-like aperture through which projects a member mounted for free movement therealong, comprising, in combination with said member, a slide fastener closure for said aperture arranged to provide a shiftable opening for said member, and a supplementary closure arranged in a plane to the front of and closely adjacent the first closure whereby the latter provides a backing for the supplementary closure, said supplementary closure comprising flexible closure flaps whose free edges are disposed in overlapping relation and are unsecured whereby the flaps may open about the member.

2,353,087
COMBUSTION APPARATUS
Clark Scholl and Delmond L. Getz, Springfield, Ohio, assignors to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application November 12, 1940, Serial No. 365,168
6 Claims. (Cl. 110—45)



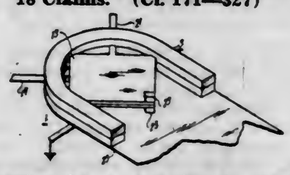
1. A retort of the character described for burning solid fuel substantially uniformly and without objectionable formation of coke deposits comprising a fuel feeding passage, means overlying one end of said passage forming a substantially C-shaped combustion zone for receiving and burning the fuel, the combustion zone being continuous and uninterrupted from one end to the other, a first group of tuyères around the outer periphery of said combustion zone for supplying combustion air into the outer surface of the body of fuel as it flows upwardly into and through the combustion zone, and another group of tuyères projecting toward the interior of said combustion zone from the opposite side thereof to supply combustion air thereto from the opposite side to secure substantially complete combustion of the entire section of the fuel body, said other group of tuyères being located directly above said end of said fuel feeding passage, and means for feeding fuel from beneath said other group of tuyères in the direction toward said first group of tuyères to supply fuel to the more remote portions of said fuel body by direct upward travel and to the less remote portions of said fuel body by deflected upward travel.

2,353,088
CUTTING MACHINE
Ewald Schutz, Lancaster, Pa., assignor to De Walt Products Corporation, Lancaster, Pa., a corporation of Pennsylvania
Application August 11, 1942, Serial No. 454,365
10 Claims. (Cl. 308—6)



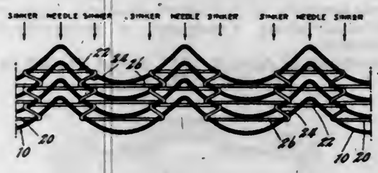
1. In a machine of the class described, having a support and a horizontal arm reciprocatively supported by the support, the improvement which comprises: the arm being provided with two longitudinally extending grooves, one on top of the arm and the other on the bottom of the arm; and the support being provided with two pairs of rolling bearings, one pair on top of the arm and the other pair on the bottom of the arm; the two rolling bearings comprising each said pair being mounted in spaced relation lengthwise of said arm and the rolling bearings having peripheral portions which enter the groove and laterally engage the grooves, thereby holding the arm against rotation.

2,353,089
TRANSDUCER
Harry B. Shapiro, Willoughby, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application March 26, 1942, Serial No. 436,230
18 Claims. (Cl. 171—327)



1. A housing for a piezoelectric crystal unit, constituted by an open end frame having relieved portions wherein portions of said piezoelectric crystal unit are held, and a covering affixed to both of the opposite faces thereof and extending entirely around the open end to define a closed container.

2,353,090
KNIT FABRIC AND METHOD OF MAKING THE SAME
Stanley R. Shelmire and Paul Cooper, Laconia, N. H., assignors to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application July 16, 1942, Serial No. 451,198
17 Claims. (Cl. 66—202)

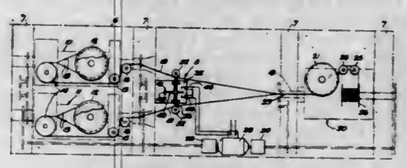


1. Knitted fabric comprising threads of different character as to stiffness and resilience, in which groups of one to three courses containing a relatively stiff but flexibly resilient thread are alternated repeatedly with groups of one to three courses containing a relatively pliable thread, said flexibly resilient thread being present in stitches opened out whereby said stitches contract the fabric in a walewise direction, giving the fabric elasticity in that direction.

2,353,091
MANUFACTURE OF ALIPHATIC AMINES
Ober C. Slotterbeck, Rahway, and Allen R. Kittleson, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 12, 1941, Serial No. 402,230
6 Claims. (Cl. 260—583)

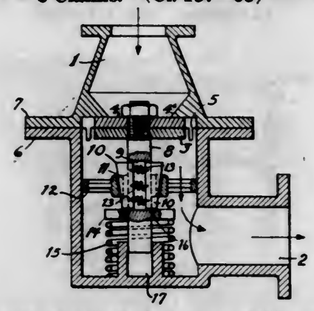
1. A method of preparing primary aliphatic amines which comprises reacting diethyl ether with hydrogen cyanide in the presence of a dehydrating catalyst at a temperature of 275° to 350° C. at atmospheric pressure.

2,353,092
STRAND TENSION INDICATING DEVICE
Horace R. Thornton, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1943, Serial No. 494,217
7 Claims. (Cl. 57—59)



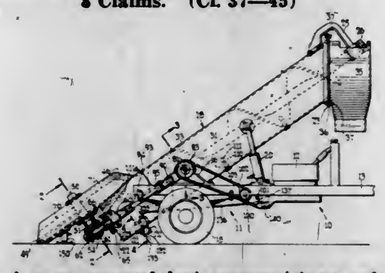
1. A tension indicating device for a plurality of spaced strands during handling in a strand handling machine comprising a reciprocably mounted member, yieldable means for maintaining said member in a predetermined position, opposite portions of said member adapted to be engaged by said strands, and means including an indicator movable with said member for indicating movement thereof against the action of said yieldable means when undesired tensions exist in the strands.

2,353,093
PRESSURE RELIEVING DEVICE
Richard W. Tryon, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 12, 1942, Serial No. 454,497
3 Claims. (Cl. 137—53)



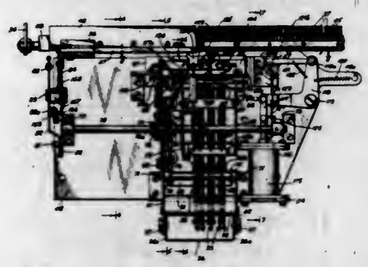
3. A pressure release device comprising a casing having two tubular openings, one of said tubular openings being an inlet for fluid under pressure and the other being an outlet, a plate assembly disposed transversely in said inlet opening closing said inlet, a frangible diaphragm extending from the plate assembly across the inlet opening to seal the opening, the plate assembly and frangible diaphragm being directly supported by a shaft in the casing, said shaft having a longitudinal slot accommodating wedges, said shaft and said wedges being held slidably in a longitudinal direction in an opening in a spider extending transversely across the casing, springs in said slot of the shaft forcing the wedges outwardly against the spider, the wedges being also poised on a member supported by a spring abutting the casing, said member being suitably constructed and arranged to allow the portion of the shaft containing the wedges to pass slidably therethrough in a longitudinal direction when the wedges are compressed by a predetermined inlet pressure upon said plate assembly.

2,353,094
SNOW REMOVAL DEVICE
Joseph Veneziano, Brooklyn, N. Y.
Application April 2, 1942, Serial No. 437,317
8 Claims. (Cl. 37—45)



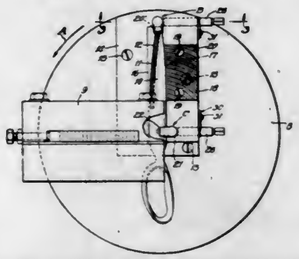
3. A snow removal device comprising a vehicle, an engine on said vehicle, an elongated longitudinal tube pivotally mounted on said vehicle about a transverse horizontal axis disposed mediately the ends of the tube, a worm blade rotatably mounted within said tube, means operated by the engine, including a clutch, for driving said worm blade, a movable member within said tube, and means controlled by said movable member to operate the clutch to disconnect the engine from the driving means for the worm blade.

2,353,095
TYPEWRITING MACHINE
Richard Von Reppert, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 25, 1942, Serial No. 448,369
12 Claims. (Cl. 197—178)



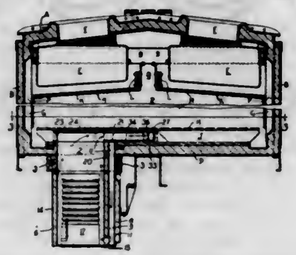
1. In a machine of the class described, a main carriage, a column stop moved by the main carriage, a counter stop carrier movable from a normal position to an advanced position in a direction counter to a letter spacing movement of the main carriage, a series of denominational stops mounted in said carrier for movement to intercept said column stop; a series of denominational keys, each associated with one of said denominational stops; actuating means controlled by the keys for selectively moving the counter stops to intercept the column stop, and means releasable by the actuating means for retaining the carrier in normal position, said releasable means including means operative, when the carrier is in the advanced position to hold the selectively moved counter-stop in intercepting position and releasable by movement of the carrier back to normal position when the column stop is intercepted by the selectively moved counter-stop.

2,353,096
WORK HOLDER
Curtis Weidauer, Manhasset, N. Y., assignor to Samuel Briskman, New York, N. Y.
Application September 18, 1941, Serial No. 411,299
3 Claims. (Cl. 90—59)



1. A work holder of the type described comprising a main body portion, means for securing the body portion in position in a machine, a work supporting member carried by the body portion, a work clamping element mounted for reciprocating and rotatable movement in the body portion including a work engaging extension movable into and out of overlying relation to a piece of work upon the work supporting member as the work clamping element is rotated and into and out of clamping engagement with a piece of work upon the work supporting member as the clamping member is reciprocated in the work holder, and means for reciprocating the clamping element in the body portion.

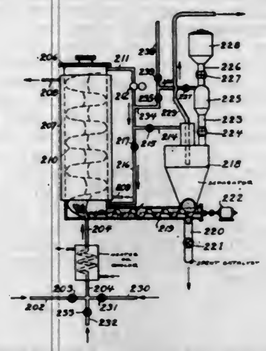
2,353,097
HEATING SYSTEM FOR RAILWAY CARS
Victor E. West, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application April 3, 1942, Serial No. 437,501
1 Claim. (Cl. 237—31)



In a refrigerator car having walls, roof and floor, a lading compartment, a foraminous rack arranged to support a lading upon the floor and provide a space between the lading and the floor, and a refrigerant compartment adjacent the roof, above the lading compartment, and having an air inlet and an air outlet; a heating structure therefor comprising flues associated with opposite side walls of said car communicating at one end with said compartment and at the other end with said space, a duct within said space extending longitudinally of the car, conduits extending transversely of said car within said space communicating at one end with said duct and at the other end with said flue, a closable opening through said floor communicating with said duct, and removable means depending from said floor below said opening for supplying heat therethrough to said duct for causing warmed air to circulate through said duct and conduits upwardly through said flues, across said refrigerant compartment and downwardly through said lading compartment.

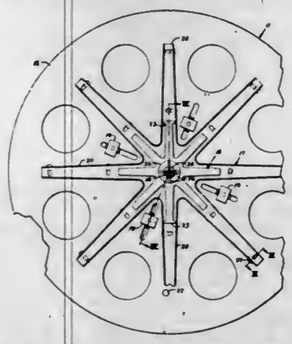
2,353,098
CATALYTIC ISOMERIZATION PROCESS
James M. Whiteley, Jr., Aruba, Curacao, Netherlands West Indies, and Charles S. Lynch, Plainfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Original application September 30, 1939, Serial No. 297,198. Divided and this application July 4, 1942, Serial No. 449,784
6 Claims. (Cl. 260—683.5)

1. A process comprising forming a slurry of a powdered aluminum chloride catalyst mass and at least one normal paraffin containing at least four carbon atoms per molecule in the liquid phase by jetting, under isomerization reaction conditions in the presence of a promoter, the liquid normal paraffin feed into said powdered catalyst mass with sufficient velocity to maintain the slurry, maintaining the said slurry under the reaction conditions for a sufficient length of time to effect substantial isomerization, withdrawing a portion of the reaction mixture from the reaction zone, separating the same into a predominantly liquid phase and a predominantly solid phase, recovering iso-paraffin from the predominantly



liquid phase and returning at least a portion of the predominantly solid phase to the reaction zone as above set forth.

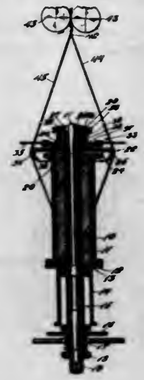
2,353,099
CHART
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application January 4, 1943, Serial No. 471,302
5 Claims. (Cl. 116—129)



4. A chart assembly for a condition-responsive instrument comprising a shaft, a disk-like indicia bearing member formed of light weight material, a supporting rimless spider having channel shaped arms loosely engaging said indicia bearing member, a second spider having an equal number of relatively short arms for strengthening the hub portion of the first mentioned spider and a hub for securing said indicia bearing member and both said spiders on said shaft.

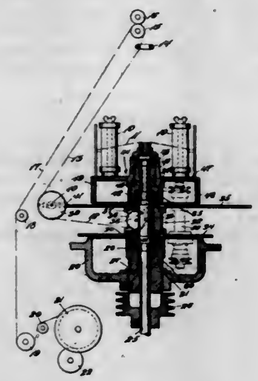
2,353,100
CAP AND FLIER
Albert E. Winslow, Mystic, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application August 21, 1943, Serial No. 499,575
8 Claims. (Cl. 57—116)

1. In combination a spindle for a strand package, a cap over which the strands are guided from the package, means to fasten said cap to said spindle to rotate therewith, means for rotating said spindle, a flier having a plurality of guide



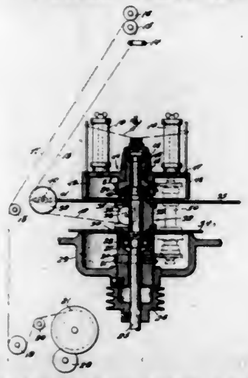
arms for the package strands and means to frictionally support said flier on said cap for rotation relative thereto.

2,353,101
STRAND TWISTING APPARATUS
Albert E. Winslow, Mystic, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application October 29, 1943, Serial No. 508,128
7 Claims. (Cl. 57—58)



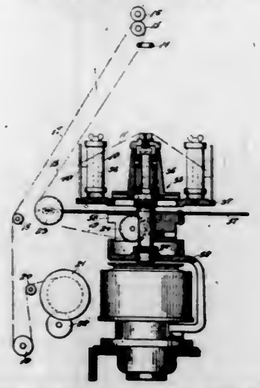
1. In a strand twisting device, a spindle, a supply package support with respect to which the spindle is rotatable, an annular race carried by and fixed with relation to said support, a second annular race stationary with respect to said spindle, a flyer carried by said spindle, a shaft carried by and rotatably mounted in the flyer and positioned to be revolved about said spindle, a pair of annular races rotatable with said shaft and flexible means having driving relation between one annular race of the shaft and the annular race of the support and another flexible means having driving relation between the other annular race of the shaft and the second annular race and means for tensioning said flexible means.

2,353,102
STRAND TWISTING APPARATUS
Albert E. Winslow, Mystic, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application October 29, 1943, Serial No. 508,129
4 Claims. (Cl. 57—58)



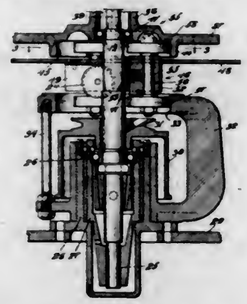
1. In a strand twisting device, a spindle, a supply package support with respect to which the spindle is rotatable, an annular toothed member carried by and fixed with relation to said support, a second annular toothed member stationary with respect to said spindle, a flyer carried by said spindle for revolving in a plane between the planes of said toothed members, a shaft carried by and rotatably mounted in the flyer and positioned to be revolved about said spindle, a pair of toothed members rotatable with said shaft and flexible means having driving relation between one toothed member of the shaft and the toothed member of the support and another flexible means having driving relation between the other toothed member of the shaft and the second toothed member, and means for tensioning said flexible means.

2,353,103
STRAND TWISTING APPARATUS
Albert E. Winslow, Mystic, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application October 29, 1943, Serial No. 508,130
1 Claim. (Cl. 57—58)



In a strand twisting device, a spindle, a supply package support rotatably carried at the upper end portion of said spindle, said support having an annular recess therein, a gear surrounding said spindle and fixed to said support and located within said recess, a stationary support for mounting said spindle and provided with an annular recess therein, a stationary gear fixed to said stationary support and surrounding said spindle and located within said recess, a flyer having a hub portion fixed to said spindle at a location thereon intermediate the said supports, a shaft rotatably fixed to said flyer and revolvable about said spindle and with the end portions thereof extending into said annular recesses, pinions carried by said shaft with the toothed portions thereof located within the said recesses and engageable with the said gears, said pinions and gears being substantially equal in size so as to maintain said supply package support substantially stationary.

2,353,104
STRAND TWISTING APPARATUS
Albert E. Winslow, Mystic, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application October 29, 1943, Serial No. 508,131
2 Claims. (Cl. 57—58)

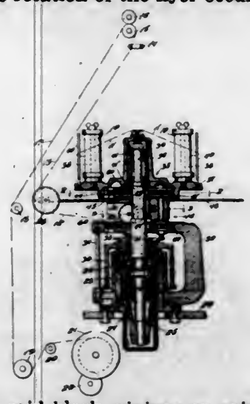


1. In a strand twisting device, a spindle, a supply package support with respect to which the spindle is rotatable, an annular race carried by and fixed with relation on said support, a second annular race stationary with respect to said spindle, a flyer carried by said spindle for revolving in a plane between the planes of said races, a radially slidable block carried by the flyer and positioned to be revolved about said spindle and thrown outwardly by centrifugal force as rotation occurs, a shaft rotatable in said block, a pair of rotatable drive members rotatable with said shaft one being engageable with one race and the other being engageable with the other race to have driving relation therewith whereby centrifugal force will increase the frictional engagement between said drive members and races, and means independent of centrifugal force yieldingly urging said rotatable members into engagement with said races.

2,353,105
STRAND TWISTING APPARATUS
Albert E. Winslow, Mystic, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application October 29, 1943, Serial No. 508,132
6 Claims. (Cl. 57—58)

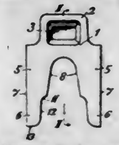
1. In a strand twisting device, a spindle, a supply package support with respect to which the spindle is rotatable, an annular toothed race

on said support, a second annular toothed race stationary with respect to said spindle, a flyer carried by the spindle, a radially slidable block carried by the flyer to be thrown out by centrifugal force as rotation of the flyer occurs, a shaft



rotatable in said block, pinions on said shaft to one engage one toothed race and the other engage the other toothed race, and means independent of centrifugal force yieldingly urging said pinions into engagement with said toothed races.

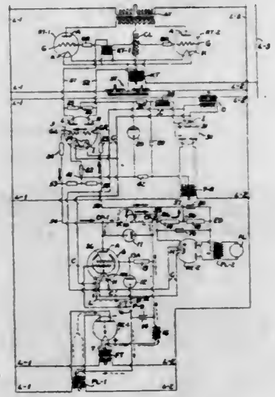
2,353,106
SEPARABLE FASTENER
Martin Winterhalter, Morcote, near Lugano, Switzerland
Application February 17, 1942, Serial No. 431,200
In Switzerland November 11, 1941
7 Claims. (Cl. 24—205)



1. A fastener element for separable fasteners consisting of a sheet metal punching comprising an interlocking head at one end and tape gripping jaws at the other end, the outside edges of said jaws being substantially straight and parallel to each other, the inside edges of said jaws being so shaped so as to adapt the beaded edge portion of a tape to be snugly received for substantially the width of said edge portion between the base portions of said jaws without bending of said base portions to cause such reception, said inside edges of said jaws also diverging from each other so as to taper said jaws transversely toward the jaw ends to form jaw end portions of weaker cross-section than the jaw base portions adapted to be bent inwardly by application of a bending force applied thereto to bring the jaw ends into clamping engagement with the tape without the force so applied causing bending of the jaw base portions.

2,353,107
ELECTRICAL GOVERNOR
Anthony Winther, Kenosha, Wis., assignor to Martin P. Winther, Waukegan, Ill., as trustee
Application May 16, 1942, Serial No. 443,243
8 Claims. (Cl. 172—284)

1. Control apparatus for an eddy-current clutch having a driving member and a driven member and a D. C. field coil, comprising an A. C. supply circuit, at least one power rectifier tube energized from the A. C. supply circuit to supply direct power current to said coil, a control grid in the tube, a second rectifier supplied from said A. C. circuit, a circuit for said second rectifier, an amplifier circuit including an amplifier tube having a grid control, said circuit of the second rectifier being connected to apply a controlling



potential to the amplifier grid, means connecting the output of the amplifier tube for controlling the grid of the power rectifier tube, a generator connected with said driven member for proportional angular velocity in relation thereto, and a circuit supplied by the generator adapted to apply a modifying potential to the circuit connected to the grid of the amplifying tube in accordance with the angular velocity of the generator.

2,353,108
ANTHRAQUINONE DYESTUFFS
Alexander J. Wuertz and David X. Klein, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 24, 1940, Serial No. 362,625
8 Claims. (Cl. 260—378)

1. Anilinoanthraquinones containing not more than one anthraquinone nucleous which carry in the anilino groups at least one methylol radical of the formula

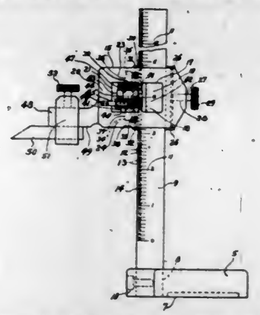
$$-\mathrm{CH}(\mathrm{R})-\mathrm{OH}$$

in which R stands for a substituent of the group consisting of $-CH_3$ and $-H$.

2,353,109
LAYOUT GAUGE
James Zweekly, Detroit, Mich.
Application February 26, 1943, Serial No. 477,195
10 Claims. (Cl. 33—170)

1. A measuring instrument comprising a straight edge having worm engaging teeth along one edge thereof, a slide frame mounted on the straight edge, an adjusting worm carried by the slide frame normally disengaged from said teeth, said slide frame being laterally movable to facili-

tate said worm operably engaging the straight edge, a slide shoe engaging the opposite side of said straight edge, and a set screw carried by said



frame engaging said slide for moving said slide frame laterally to cause said adjusting worm to engage and disengage said teeth on said straight edge.

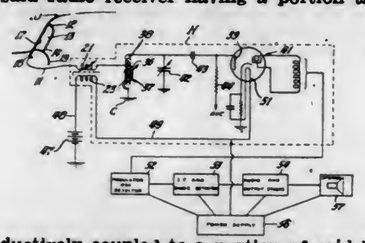
2,353,110
PLASTERBOARD NAIL
Thomas P. Camp, Arlington, Heights, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1940, Serial No. 345,423
4 Claims. (Cl. 85—28)



2. A nail comprising a metallic shank of substantially uniform cross sectional area having a point at one end and a conical upset portion at the other end, said upset portion being imbedded in a conoidal mass of molded hammer-blow-resistant low-heat-conductance hard plastic material, substantially larger than said upset portion, and of such size that when a crushing force is applied to the base of said mass, the angular cleavage lines thus generated will be intersected by the conical upset portion in such manner that substantially all of said force is concentrated upon said upset portion, thereby rendering the nail drivable by hammer blows upon said conoidal mass without breakage of said mass.

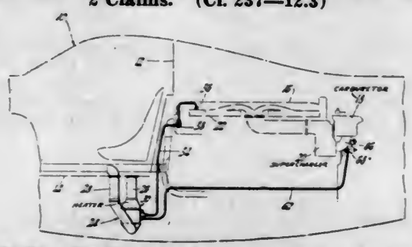
2,353,111
RADIO RECEIVER SYSTEM
John I. Davis and Henry B. Saunders, Chicago, Ill., assignors to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application July 16, 1941, Serial No. 402,582
7 Claims. (Cl. 250—20)

1. A radio receiver system for an automobile including in combination a metal body for said automobile acting to pick up desirable and undesirable signal impulses and serving as the antenna for the radio receiver system, a radio receiver mounted on the automobile body and grounded thereto, said radio receiver including an input circuit, a lead-in conductor in series electrical connection with said metal automobile body and with said input circuit, a source of current supply for said radio receiver which is also the current supply for the automobile, and conductor means connecting said current supply and said radio receiver having a portion there-



of inductively coupled to a portion of said lead-in conductor.

2,353,112
AIRCRAFT HEATER
Stanley S. La Sha and Frank M. Salisbury, Kenmore, N. Y., assignors to Bell Aircraft Corporation, Buffalo, N. Y.
Application December 12, 1940, Serial No. 369,828
2 Claims. (Cl. 237—12.3)



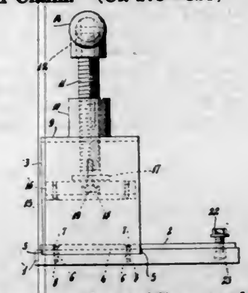
1. In a heating system for use in conjunction with an internal combustion engine receiving a compressed combustible mixture of fuel and air from a supercharger having an inlet and an outlet, the combination of an internal combustion heater, a conduit for supplying combustible mixture to said heater from said outlet, and a conduit for discharging the products of combustion from said heater into said inlet, whereby the differential pressure created by said supercharger will cause combustible mixture to flow to said heater, and the products of combustion to flow therefrom.

2,353,113
DOWNSPOUT OF WOOD FOR GUTTERS
Neal T. MacKenzie, St. Paul, Minn., assignor to General Timber Service, Inc., St. Paul, Minn., a corporation of Delaware
Application October 8, 1942, Serial No. 461,243
4 Claims. (Cl. 138—28)



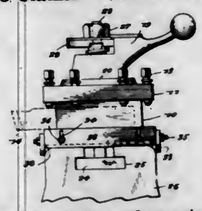
1. A downspout comprising substantially rigid, inflexible outer wall members forming a conduit for water, a plurality of relatively flexible diaphragms extending longitudinally within said conduit and dividing the interior thereof into a plurality of water passages and an intervening air space, the longitudinal edges of said diaphragms fitting in grooves formed in opposite outer wall members and means for excluding water from said air space, said diaphragms being extensible into said air space under the increased pressure resulting from the freezing of water in said passages.

2,353,114
CABLE CONNECTOR FOR WELDING MACHINES
John Novak, Brownsville, Pa.
Application July 23, 1943, Serial No. 495,863
1 Claim. (Cl. 173—328)



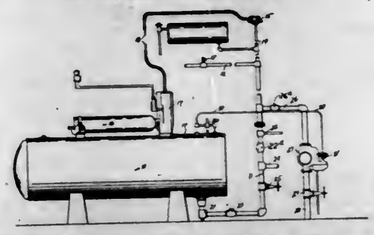
A cable connector for welding machines comprising an insulating base plate; a conductor plate which is slightly shorter and narrower than said base plate and which is placed upon said base plate in such a manner that the edges of said base plate protrude at all four sides over said conductor plate; a flat piece of material bent rectangularly so as to form an open case, the horizontal lower portion of which is interrupted and engages recesses in said base plate below said contact plate and the upper portion of which is provided with a centrally located internally threaded collar; a threaded bolt extending through said collar and having an insulating, T-shaped handle at its upper end and a pressure plate secured to its lower end in such a manner that said bolt can be rotated relative to said pressure plate; screws extending through said contact plate, through the horizontal lower portions of said open case, and partially through said base plate, said screws connecting said contact plate and said open case to said base plate, and a contact screw being screwed into a threaded aperture of said contact plate and extending partially into said base plate.

2,353,115
TOOLHOLDER
Arthur W. Poreau, Middletown, R. I., assignor to McCrosky Tool Corporation, Meadville, Pa., a corporation of Pennsylvania
Application August 11, 1942, Serial No. 454,449
8 Claims. (Cl. 29—49)



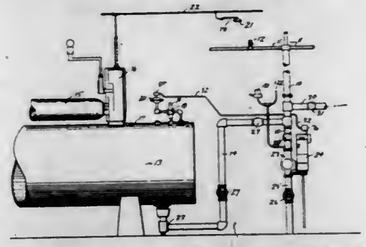
1. In a device of the character described, a rest, a tool holder adjustably mounted on the top of the rest, and a guard plate movably carried by the tool holder and adapted to extend below the top of the rest in one position and to be disposed above the top of the rest in another position, and said rest and said guard plate having means which cooperate upon adjustment of the tool holder on the rest to raise the guard plate from its lower position to its higher position above the rest.

2,353,116
PRESSURE TANK SPRINKLER SYSTEM WITH SECONDARY SUPPLY
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Application July 13, 1942, Serial No. 450,659
11 Claims. (Cl. 169—9)



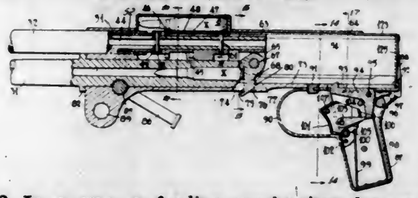
1. In a fire extinguishing system, the combination of a fluid filled supply tank, a set of fluid filled conducting pipes communicating therewith, sprinklers on the said pipes, a riser communicating with the said pipes and terminating above the uppermost sprinkler, a compressed gas source for establishing pressure in the said supply tank to force the contents therefrom and an auxiliary valve controlling a connection between the said riser and an auxiliary fluid supply, a compressed gas release mechanism, a fluid pressure responsive mechanism positioned on said riser connected to said compressed gas release mechanism for actuating the said release mechanism and thereby opening the said gas source and means actuated by gas from the said source for opening the said auxiliary valve.

2,353,117
DELUGE OR PREACTION PRESSURE TANK SPRINKLER SYSTEM WITH SECONDARY SUPPLY
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Application July 13, 1942, Serial No. 450,660
4 Claims. (Cl. 169—9)



1. In a fire extinguishing system including a tank for containing fluid, conducting pipes communicating therewith, sprinklers on said pipes, means for establishing pressure in the said supply tank to force the contents therefrom, the said means comprising a compressed gas source and a releasing mechanism therefor, pressure generating devices in the fire zone, means whereby the said devices actuate the said release mechanism, a pneumatically actuated valve connecting the said fluid conducting pipes with a secondary fluid supply source and means extending from the said valve to the said releasing mechanism for actuating the said valve when the said releasing mechanism operates.

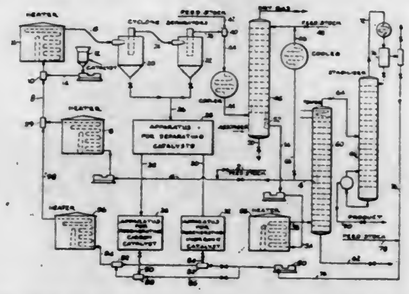
2,353,118
GUN
Henry Schirokauer, New York, N. Y., assignor to Schirgun Corporation, a corporation of Delaware
Application September 24, 1941, Serial No. 412,168
4 Claims. (Cl. 89—33)



2. In a gun, a feeding mechanism for cartridges comprising means for advancing the cartridges, a clutch constructed and arranged to actuate the advancing means, a reciprocable shaft on which the clutch is mounted, a cam surface in the shaft engaging the clutch to operate it, and a compressible spring surrounding the shaft and holding the clutch in operative position and tending to move the shaft to its normal position.

2,353,119
CATALYTIC CONVERSION OF HYDROCARBONS WITH MIXED CATALYSTS
Arnold R. Workman, Malverne, N. Y., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application December 4, 1941, Serial No. 421,563
7 Claims. (Cl. 196—52)

1. The process of catalytically converting hydrocarbon oils, which comprises mingling a hydrocarbon oil distillate with approximately an equal weight of powdered catalytic materials comprising a mixture of approximately 20% of activated carbon and approximately 80% of active inorganic clay type catalytic material, passing the mixture of hydrocarbon distillate and catalytic materials through a reaction zone in which the mixture is subjected to a temperature of from 860° F. to 970° F. to effect dehydrogenation, alkylation and polymerization reactions and produce a substantial proportion of constituents boiling in the gasoline range which are of relatively high antiknock value, passing the mixture of reaction products and catalytic materials into a separating zone in which the catalytic materials are separated from the reaction products, recovering the gasoline range materials from the reaction products, separating the catalytic materials removed from said reac-

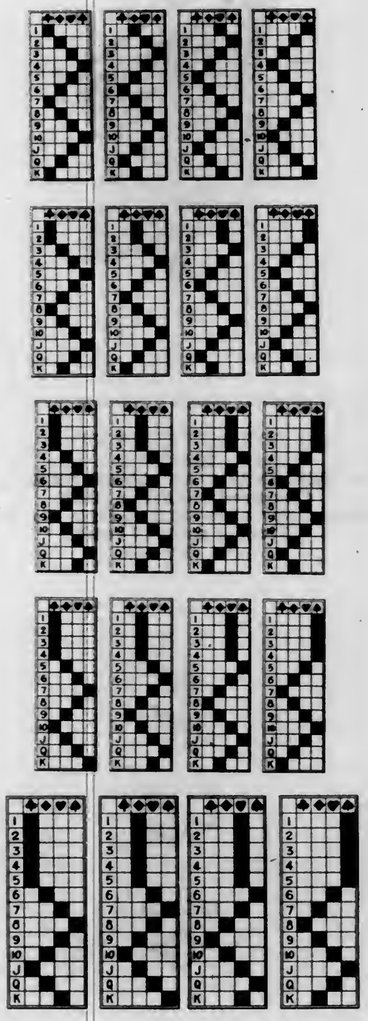


tion products into a carbon fraction and an inorganic fraction, separately regenerating said fractions for reuse in the process, mingling the regenerated catalytic materials with a light hydrocarbon distillate containing substantial proportions of olefins, heating the resulting mixture to a temperature approximating the reaction temperature and cycling the resulting heated mixture through the reaction zone with the distillate charging stock passed therethrough to supply the catalytic materials for the conversion of said distillate charging stock and said light distillate to constituents boiling in the gasoline range.

DESIGNS

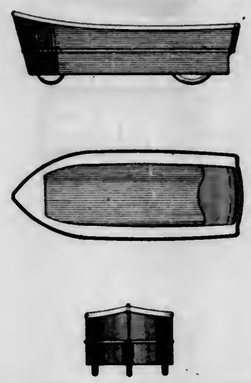
JULY 4, 1944

138,177
DESIGN FOR A SET OF PLAYING CARDS OR SIMILAR ARTICLE
Allen Field, New York, N. Y.
Application March 1, 1944, Serial No. 112,754
Term of patent 3½ years
(Cl. D34—13)



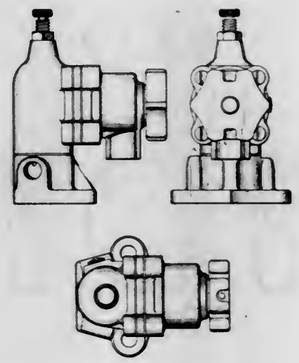
The ornamental design for a set of playing cards or similar article, substantially as shown and described.

138,178
DESIGN FOR A COASTER
Elmer J. Firquain, Kansas City, Kans., assignor of one-half to Martin D. Friedman, Kansas City, Mo.
Application March 22, 1944, Serial No. 113,005
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a coaster, as shown.

138,179
DESIGN FOR A MECHANICAL LUBRICATOR
Bengt E. Folke, Mamaroneck, N. Y., assignor to Nathan Manufacturing Company, New York, N. Y., a corporation of New York
Application February 28, 1944, Serial No. 112,735
Term of patent 14 years
(Cl. D46—1)



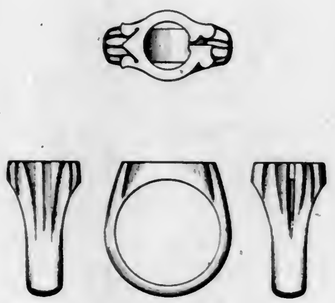
The ornamental design for a mechanical lubricator, substantially as shown.

138,180
DESIGN FOR A DENTAL PLATE CONTAINER
Samuel Gordon, Stamford, Conn.
Application January 20, 1944, Serial No. 112,282
Term of patent 14 years
(Cl. D24—1)



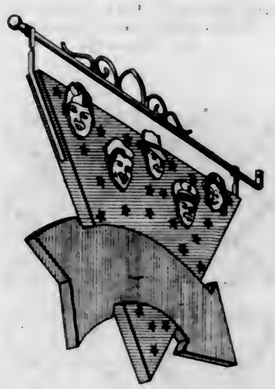
The ornamental design for a dental plate container, as shown.

138,181
DESIGN FOR A RING MOUNTING
Frederick J. Kuczajda, Detroit, Mich.
Application March 20, 1944, Serial No. 112,966
Term of patent 14 years
(Cl. D45—10)



The ornamental design for a ring mounting, as shown.

138,182
DESIGN FOR A SIGN
Valere L. Minet, Geneva, N. Y.
Application October 15, 1943, Serial No. 111,370
Term of patent 14 years
(Cl. D1—12)



The ornamental design for a sign, as shown.

138,183
DESIGN FOR A VALVE CHECK
Clarence Pool, Rivera, Calif.
Application November 22, 1943, Serial No. 111,754
Term of patent 7 years
(Cl. D91—1)



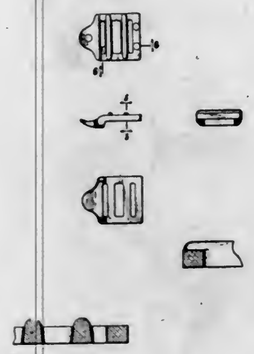
The ornamental design for a valve check, as shown.

138,184
DESIGN FOR A VALVE CHECK
Clarence Pool, Rivera, Calif.
Application February 22, 1944, Serial No. 112,676
Term of patent 7 years
(Cl. D91—1)



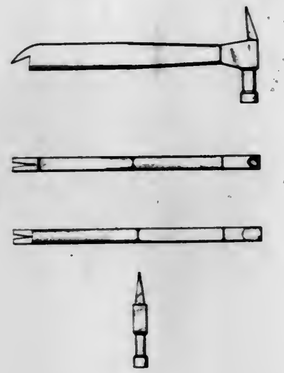
The ornamental design for a valve check, as shown.

138,185
DESIGN FOR A SLIDE BUCKLE
Harold J. Reiter, Chicago, Ill.
Application May 1, 1944, Serial No. 113,421
Term of patent 7 years
(Cl. D17—1)



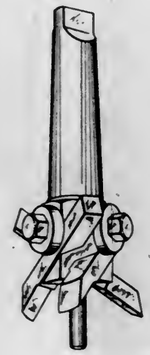
The ornamental design for a slide buckle, substantially as shown.

138,186
DESIGN FOR A COMBINATION TOOL
John Edward Rowlett, Nacogdoches, Tex., assignor of fifty per cent to Neal Wilson Smith, Nacogdoches, Tex.
Application May 2, 1944, Serial No. 113,439
Term of patent 14 years
(Cl. D93—4)



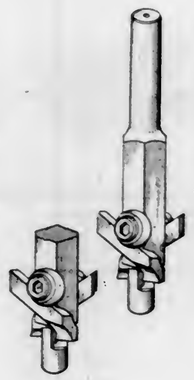
The ornamental design for a combination tool, as shown.

138,187
DESIGN FOR A CUTTING TOOL
Lawson A. Smith, Los Angeles, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application May 7, 1943, Serial No. 110,150
Term of patent 14 years
(Cl. D54—13)



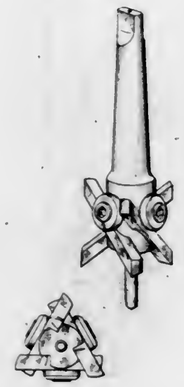
The ornamental design for a cutting tool, as shown and described.

138,188
DESIGN FOR A CUTTING TOOL
Lawson A. Smith, Los Angeles, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application April 8, 1944, Serial No. 113,184
Term of patent 14 years
(Cl. D54—13)



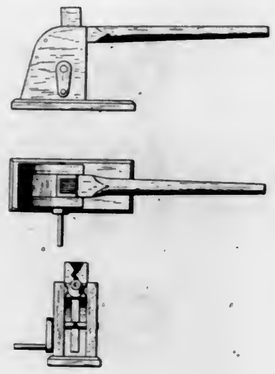
The ornamental design for a cutting tool, as shown.

138,189
DESIGN FOR A CUTTING TOOL
Lawson A. Smith, Los Angeles, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application April 14, 1944, Serial No. 113,249
Term of patent 14 years
(Cl. D54—13)



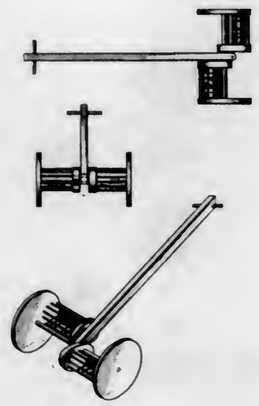
The ornamental design for a cutting tool, as shown.

138,190
DESIGN FOR A TOY GUN
Rolf G. Swanson, Minneapolis, Minn.
Application March 16, 1944, Serial No. 112,932
Term of patent 3½ years
(Cl. D34—15)



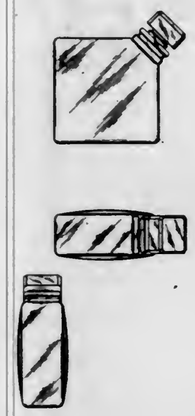
The ornamental design for a toy gun, as shown.

138,191
DESIGN FOR A PUSH TOY
Ruth F. Wilson, St. Paul, Minn.
Application March 8, 1944, Serial No. 112,822
Term of patent 7 years
(Cl. D34—15)



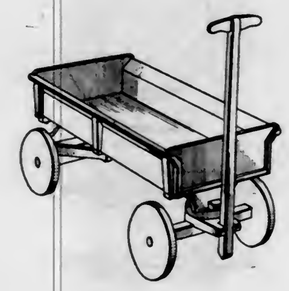
The ornamental design for a push toy, as shown.

138,192
DESIGN FOR A COMBINED BOTTLE AND STOPPER
Frank E. Ansell, Brooklyn, N. Y.
Application May 1, 1944, Serial No. 113,423
Term of patent 14 years
(Cl. D58—6)



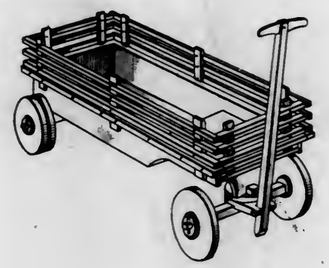
The ornamental design for a combined bottle and stopper, as shown.

138,193
DESIGN FOR A TOY WAGON
Tom Duffy, Detroit, Mich., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application August 11, 1943, Serial No. 110,887
Term of patent 14 years
(Cl. D34—15)



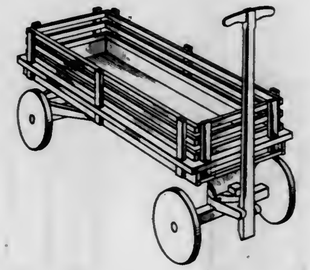
The ornamental design for a toy wagon, as shown.

138,194
DESIGN FOR A TOY WAGON
Tom Duffy, Detroit, Mich., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application August 11, 1943, Serial No. 110,889
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy wagon, as shown.

138,195
DESIGN FOR A TOY WAGON
Tom Duffy, Detroit, Mich., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application August 11, 1943, Serial No. 110,890
Term of patent 14 years
(Cl. D34—15)



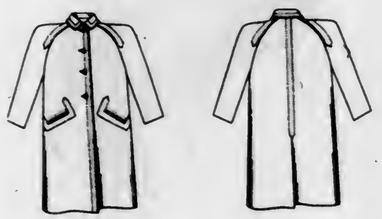
The ornamental design for a toy wagon, as shown.

138,196
DESIGN FOR AN ADJUSTABLE NURSING BOTTLE SUPPORT
Abraham Filler, New York, N. Y.
Application October 30, 1943, Serial No. 111,544
Term of patent 7 years
(Cl. D83—8)



The ornamental design for an adjustable nursing bottle support, substantially as shown and described.

138,197
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application May 17, 1944, Serial No. 113,628
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

138,198
DESIGN FOR A BOTTLE
Bruce A. Jackson, Grand Rapids, Mich.
Application February 6, 1943, Serial No. 109,470
Term of patent 7 years
(Cl. D58—8)



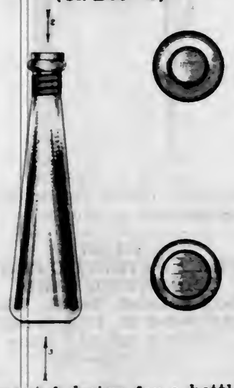
The ornamental design for a bottle, substantially as shown and described.

138,199
DESIGN FOR A FACE POWDER COMPACT
Bernard Kotzin, Los Angeles, Calif.
Application May 6, 1944, Serial No. 113,500
Term of patent 3½ years
(Cl. D86—10)



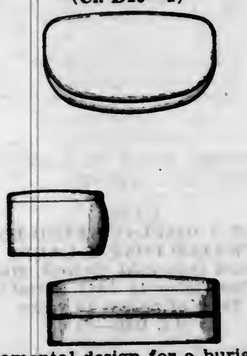
The ornamental design for a face powder compact, as shown.

138,200
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Garrie La Bran, New York, N. Y.
Application October 4, 1943, Serial No. 111,263
Term of patent 3½ years
(Cl. D58—8)



The ornamental design for a bottle or similar article, as shown.

138,201
DESIGN FOR A BURIAL CASKET FOR PET ANIMALS OR SIMILAR ARTICLE
John S. Newlon, Nevada, Mo.
Application December 9, 1943, Serial No. 111,959
Term of patent 14 years
(Cl. D19—1)



The ornamental design for a burial casket for pet animals or similar article, as shown.

138,202
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,560
Term of patent 7 years
(Cl. D45—19)



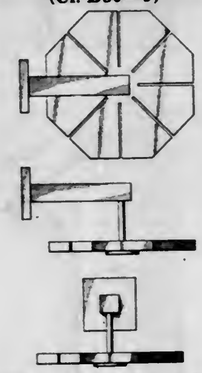
The ornamental design for a brooch pin, substantially as shown.

138,203
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,563
Term of patent 7 years
(Cl. D45—19)



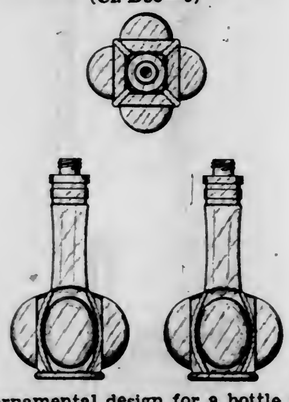
The ornamental design for a brooch pin, substantially as shown.

138,204
DESIGN FOR A BELT RACK
Manfred Rosenblatt, Kew Gardens, N. Y.
Application May 6, 1944, Serial No. 113,496
Term of patent 3½ years
(Cl. D80—9)



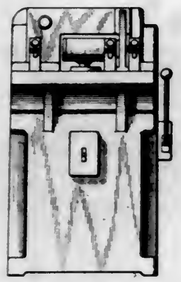
The ornamental design for a belt rack, substantially as shown.

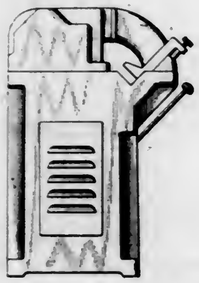
138,205
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Lionel G. Rothschild, Dallas, Tex.
Application April 18, 1944, Serial No. 113,291
Term of patent 14 years
(Cl. D58—6)

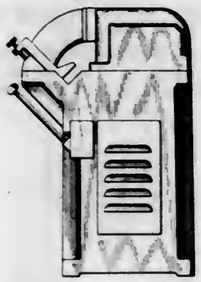


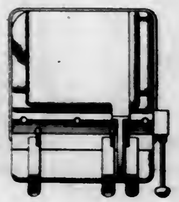
The ornamental design for a bottle or similar article, substantially as shown.

138,206
DESIGN FOR AN ABRASIVE CUTOFF MACHINE
Robert S. Condon, Rutland, Vt.
Application February 25, 1944, Serial No. 112,701
Term of patent 14 years
(Cl. D37—1)

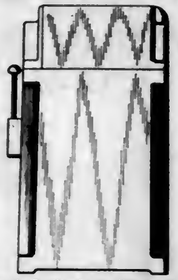








138,206—Continued



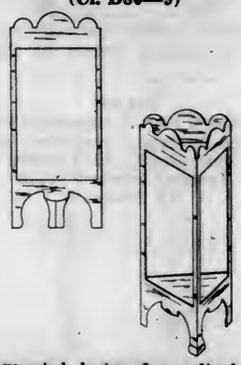
The ornamental design for an abrasive cutoff machine, substantially as shown.

138,207
DESIGN FOR A PATRIOTIC PHOTOGRAPH MOUNTING CARD
Lloyd V. Lamb, Seattle, Wash.
Application October 26, 1943, Serial No. 111,507
Term of patent 7 years
(Cl. D29—20)



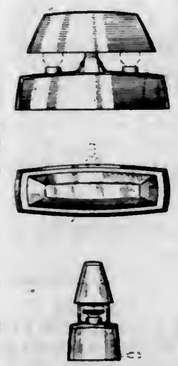
The ornamental design for a patriotic photograph mounting card, as shown.

138,208
DESIGN FOR A DISPLAY STAND FOR ILLUSTRATED POSTAL CARDS
Edward Olszewski, Detroit, Mich.
Application November 12, 1943, Serial No. 111,667
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a display stand for illustrated postal cards, as shown.

138,209
DESIGN FOR A LAMP
Earl S. Boynton, East Orange, N. J.
Application December 2, 1943, Serial No. 111,863
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a lamp, as shown and described.

138,210
DESIGN FOR A SHOE
Saveria Burrafato, Brooklyn, N. Y.
Application February 9, 1944, Serial No. 112,517
Term of patent 7 years
(Cl. D7—7)



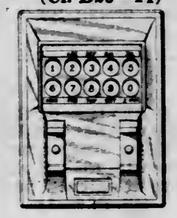
The ornamental design for a shoe, substantially as shown.

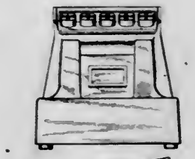
138,211
DESIGN FOR A SHOE
Saveria Burrafato, Brooklyn, N. Y.
Application February 9, 1944, Serial No. 112,518
Term of patent 7 years
(Cl. D7—7)

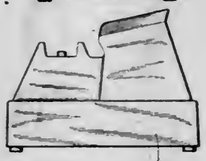


The ornamental design for a shoe, substantially as shown.

138,212
DESIGN FOR A TELEPHONE DESK STAND
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 22, 1944, Serial No. 113,716
Term of patent 14 years
(Cl. D26—14)



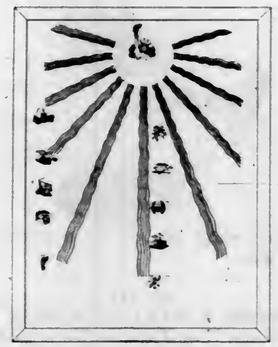






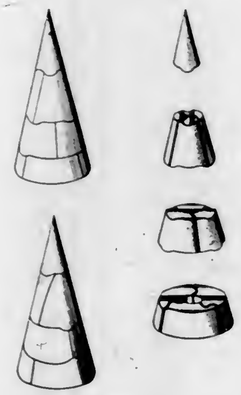
The ornamental design for a telephone desk stand, as shown.

138,213
DESIGN FOR A BOOK COVER
Le Roy E. Hopkins, Northbrook, Ill., assignor to Committee for Constitutional Government, New York, N. Y., a corporation of the District of Columbia
Application May 8, 1944, Serial No. 113,517
Term of patent 7 years
(Cl. D6—2)



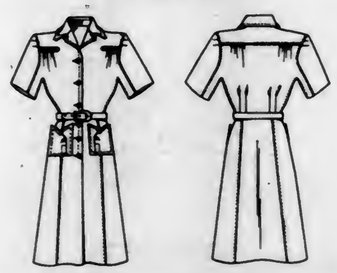
The ornamental design for a book cover, as shown.

138,214
DESIGN FOR A DEVICE FOR TRAINING IN COOPERATION AND COORDINATION
Tobias Miller, Washington, D. C.
Application June 16, 1943, Serial No. 110,462
Term of patent 7 years
(Cl. D25—1)



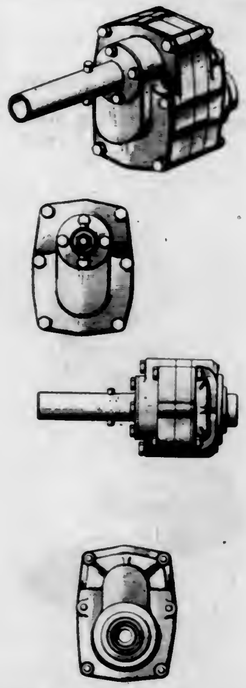
The ornamental design for a device for training in cooperation and coordination, as shown and described.

138,215
DESIGN FOR A DRESS
David Minchenberg, New York, N. Y.
Application May 4, 1944, Serial No. 113,459
Term of patent 14 years
(Cl. D3—26)



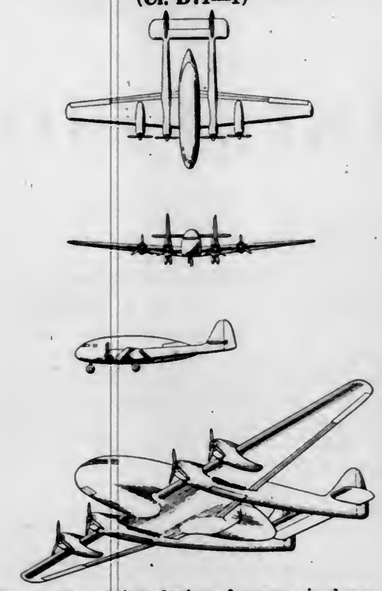
The ornamental design for a dress, substantially as shown.

138,216
DESIGN FOR A GEARBOX FOR AIRCRAFT ENGINE STARTERS
Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Application June 15, 1943, Serial No. 110,461
Term of patent 14 years
(Cl. D71—1)



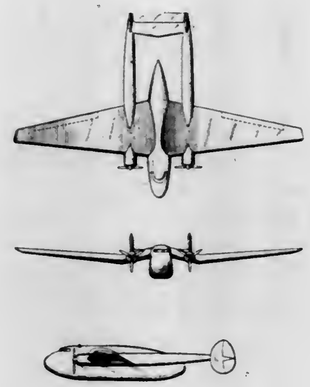
The ornamental design for a gearbox for aircraft engine starters, as shown.

138,217
DESIGN FOR AN AIRPLANE
Willem D. van Zelm, Ruxton, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application August 20, 1942, Serial No. 107,982
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, substantially as shown.

138,218
DESIGN FOR AN AIRPLANE
Willem D. van Zelm, Ruxton, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application May 31, 1943, Serial No. 110,338
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, substantially as shown.

THE

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United States Patent Office

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July 11, 1944

Trade-Marks	99	No. 407,946 to No. 408,044, inclusive.
T. M. Renewals	86	
Reissues	3	No. 22,514 to No. 22,516, inclusive.
Patents	508	No. 2,353,120 to No. 2,353,627, inclusive.
Designs	90	No. 138,219 to No. 138,308, inclusive.
Total	786	

Adverse Decisions in Interference

In interference involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,282,258, J. E. Snyder, Plasticized and non-plasticized double wall bag, decided February 18, 1944, claims 1, 2, 3, and 4.

Pat. 2,299,519, R. H. Whitehead, Clock, decided June 13, 1944, claims 1, 2, 3, 4, 5, and 6.

Pat. 2,313,696, John Yates, Tea bag and method of making the same, decided June 7, 1944, claims 2, 4, 6, 8, and 10.

Adjudicated Patent

(C. C. A. Calif.) Northrop reissue patent, No. 21,841, for an anchor, *Held* not infringed. *Danforth* v. *Northill Co.*, 142 F.(2d) 51, modifying *Northill Co.* v. *Danforth*, 51 F. Supp. 928.

Cross-References in Cases Relating to Same Subject

RULE 43. When an applicant files two or more applications relating to the same subject matter of invention, all showing but only one claiming the same thing, the applications not claiming it must contain references to the application claiming it.

Communications to the Patent Office

RULE 8. A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the Office in separate letters.

NOTICE

Board of Appeals—Decisions—Time for Response

U. S. PATENT OFFICE, *Washington, January 28, 1935.*

There appears to be some confusion among attorneys and applicants as to the time within which action must be taken in applications following a decision of the Board of Appeals.

The decision of the Board of Appeals is "an action" in the application, and, in order to save the application from abandonment, amendment must be filed within six months from the date of that decision unless an appeal has been taken to the Court of Customs and Patent Appeals or review of the decision sought by a bill in equity under section 4915.

The Examiner will not notify the applicant of the decision of the Board of Appeals.

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business June 24, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,616; Trade-Mark Division, 1,543. Oldest new case, June 30, 1943; oldest amended, Aug. 10, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders: Baths, Closets, Sinks, and Spittons; Sewerage.	Dec. 17	†Jan. 24	438
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Nov. 30	Dec. 4	607
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Nov. 13	Nov. 6	943
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	†Jan. 20	†Jan. 8	491
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Oct. 1	Oct. 2	1,197
6. GENIESSE, E. W., Carbon Chemistry (part)	Oct. 20	†Jan. 1	1,127
7. JARBOE, C. G., Optics, Photography	†Feb. 10	†Feb. 5	758
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Feb. 1	Dec. 20	486
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	†Jan. 13	†Jan. 5	687
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Mar. 2	†Feb. 28	270
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Sept. 30	Sept. 29	1,070
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	†Jan. 17	†Jan. 10	587
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	†Feb. 12	†Feb. 4	634
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	†Jan. 13	†Jan. 20	741
16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 18	†Jan. 11	587
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 15	Oct. 4	502
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Aug. 9	Aug. 10	868
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Dec. 31	Dec. 6	533
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Feb. 2	Nov. 12	372
21. THOMPSON, T. J., Textiles	Dec. 31	Nov. 30	441
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 5	Nov. 5	1,072
23. BARROWS, B., Cash Registers; Calculators (part)	Oct. 21	Aug. 12	167
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 4	†Feb. 2	514
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Dec. 4	Dec. 8	730
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 7	Oct. 2	927
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 22	Sept. 24	476
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Nov. 19	Oct. 18	732
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	†Jan. 3	†Jan. 12	732
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Oct. 4	Sept. 30	1,070
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Jan. 17	†Jan. 7	1,056
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 5	Dec. 4	660
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Feb. 17	†Feb. 19	648
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Dec. 31	†Jan. 10	595
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	†Feb. 23	†Feb. 28	506
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	†Feb. 1	†Jan. 14	436
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 16	Nov. 16	764
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Oct. 14	Oct. 21	518
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	†Jan. 3	Dec. 30	706
40. DRUMMOND, E. J., Receptacles (part); Packages	†Feb. 4	†Jan. 31	601
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 6	Oct. 27	399
42. MARANS, H., Electric Signaling	†Feb. 17	†Feb. 18	320
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 10	Dec. 4	736
44. HARVEY, L. P., Refrigeration; Preserving	Oct. 6	Oct. 19	428
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Dec. 15	Dec. 15	1,035
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 10	Nov. 8	488
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 31	Dec. 9	608
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Nov. 27	Nov. 27	792
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Dec. 11	Dec. 15	662
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Dec. 15	Dec. 15	1,384
51. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	Nov. 6	Nov. 11	1,387
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Nov. 29	Dec. 3	848
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	†Feb. 21	Nov. 18	461
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits: Ray Energy Applications.	June 30	Aug. 10	836
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 5	Oct. 11	626
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Nov. 25	Nov. 25	765
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	July 24	Oct. 22	799
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 6	Dec. 24	686
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Nov. 4	Nov. 5	1,376
60. GLASS, R. L., Electricity-Heating; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances an Rheostats; Prime Mover Dynamo Plants.	Oct. 18	Oct. 18	869
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	†Jan. 29	†Jan. 14	470
62. PUOH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Jan. 26	Dec. 7	903
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Oct. 20	Oct. 18	944
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Feb. 3	†Jan. 27	998
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 1	Sept. 1	888
Trade-Marks: RICHMOND, F. A.	†May 2	†May 3	1,543
Designs: KALUPY, H. H.	†May 15	†May 29	659

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aid-Oil Drugs. (See Simon, Irving.)

Alberts', L., Sons, Inc., Boston, Mass. Finger rings. Serial No. 469,216; July 11. Class 28.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Magnesium compounds. Serial No. 469,178; July 11. Class 6.

Aluminum Industries, Inc., Cincinnati, Ohio. Engine valves. Serial No. 469,485; July 11. Class 23.

Aluminum Industries, Inc., Cincinnati, Ohio. Pistons, piston pins and bushings, valves, etc. Serial No. 469,486; July 11. Class 23.

American Stay Company, East Boston, Mass. Shoe binding tapes. Serial No. 460,398; July 11. Class 40.

Armac Games, New York, N. Y. Game. Serial No. 466,066; July 11. Class 22.

Artfield Creations. (See Blake, Irene, Cosmetics, Inc.)

Bendel, Henri, Inc., New York, N. Y. Lipstick. Serial No. 469,242; July 11. Class 6.

Berita Corporation, Chicago, Ill. Medicinal preparations. Serial No. 461,997; July 11. Class 6.

Blackhawk Brewing Co. (See Zoller Brewing Company, assignor.)

Blake, Irene, Cosmetics, Inc., doing business as Artfield Creations, New York, N. Y. After shave powder, after shave lotion and hair dressing. Serial No. 469,001; July 11. Class 6.

Bloomingdale Bros., Inc., New York, N. Y. Women's and children's hats. Serial No. 469,074; July 11. Class 39.

Bowes, Robert M., Waterbury, Conn. Playing cards. Serial No. 468,430; July 11. Class 22.

Brass, Edward A., doing business as Shops of Edward A. Brass, Shreveport, La. Fire alarm apparatus, railway signal controls, traffic signals, etc. Serial No. 465,446; July 11. Class 21.

Carlye Dress Corporation, St. Louis, Mo. Junior, women's and misses' dresses, and sportswear. Serial No. 469,829; July 11. Class 39.

Cavu Clothes, Cincinnati, Ohio. Shirts, jackets, overalls, etc., for men and women. Serial No. 468,949; July 11. Class 39.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 469,002; July 11. Class 42.

City Pattern Foundry and Machine Co., Detroit, Mich. Brass, bronze, and aluminum castings. Serial No. 468,110; July 11. Class 14.

Columbia-Walescraft Co., New York, N. Y. Billfolds, wallets, key cases, etc. Serial No. 465,358; July 11. Class 3.

Consolidated Hair Goods Company, Incorporated, Chicago, Ill. Hair and scalp shampoo. Serial No. 460,923; July 11. Class 6.

Cook's, Inc., Camden, N. J. Transparent protecting envelopes. Serial No. 468,280; July 11. Class 37.

Cosmet Company, Minneapolis, Minn. Lens cleaning preparation. Serial No. 468,877; July 11. Class 4.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 468,191; July 11. Class 6.

Crompton Company, Crompton, R. I. Fabrics in the piece. Serial No. 469,038–9; July 11. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. Serial No. 469,041; July 11. Class 42.

Daneluzzi, Libero J., Bridgeton, N. J. Boxes. Serial No. 469,005; July 11. Class 2.

Daniels, C. R., Inc., New York, N. Y. Canvas tarpaulins. Serial No. 469,384; July 11. Class 50.

Darby, Harry, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Belt and chain conveyors, derricks, feed mixers, etc. Serial No. 464,020; July 11. Class 23.

Darby, Harry, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Belt and chain conveyors, derricks, feed mixers, etc. Serial No. 465,737; July 11. Class 23.

Darby, Harry, Manufacturer. (See Darby, Harry.)

Debs Hospital Supplies, Chicago, Ill. Sanitary napkins. Serial No. 466,003; July 11. Class 44.

Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper. Serial No. 469,495; July 11. Class 8.

Edison, Thomas A., Incorporated, West Orange, N. J. Indicating instruments. Serial No. 470,222; July 11. Class 26.

Eisenlohr, Webster, Inc., New York, N. Y. Cigarettes. Serial No. 470,037; July 11. Class 17.

Eisenstadt Manufacturing Company, St. Louis, Mo. Watch chains, tie chains, tie clasps, etc. Serial No. 469,153; July 11. Class 28.

Electrical Reactance Corporation, Franklinville, N. Y. Electrical capacitors, resistors or inductors. Serial No. 470,071; July 11. Class 21.

Ethico Laboratories, Kansas City, Mo. Liquid acid vaginal douche concentrate. Serial No. 469,593; July 11. Class 6.

Everfast Fabrics, Inc., New York, N. Y. Textile fabrics. Serial No. 467,604; July 11. Class 42.

Ewing, Blaine, New York, N. Y. Portfolios. Serial No. 469,329; July 11. Class 3.

Fashion Park, Inc., Rochester, N. Y. Outer coats, sport jackets and suits for women. Serial No. 459,827; July 11. Class 39.

Fruen Milling Company, Minneapolis, Minn. Cereal breakfast foods. Serial No. 460,474; July 11. Class 46.

General Textile Mills, Inc., New York, N. Y. Sheets, plates, bars, etc. Serial No. 469,498; July 11. Class 1.

Globe Roofing Products Co., Inc., Whiting, Ind. Asphalt insulated brick design siding. Serial No. 461,049; July 11. Class 12.

Goodman, Hyman, doing business as Paradise Packing Co., Brooklyn, N. Y. Nonalcoholic maltless beverages. Serial No. 468,564; July 11. Class 45.

Grand Garment Manufacturing Co., Inc., St. Paul, Minn. Snow suits and ladies' coats. Serial No. 469,255; July 11. Class 39.

Greenspan, Cantor, Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 455,321; July 11. Class 42.

Guerra, Carlos E. P., doing business as Perez Guerra, Ltd., Los Angeles, Calif. Cologne. Serial No. 468,672; July 11. Class 6.

Guerra, Perez, Ltd. (See Guerra, Carlos E. P.)

Guettel, Edward H., doing business as the Hollywood Game Co., Los Angeles, Calif. Parlor question and answer games, etc. Serial No. 464,608; July 11. Class 22.

H-W Manufacturing Company, Los Angeles, Calif. Electronic testing device. Serial No. 464,391; July 11. Class 26.

Hart, Durand, San Francisco, Calif. Prepared sea food. Serial No. 470,265; July 11. Class 46.

Hecht, Jacob, doing business as Tri-Fax Company, Los Angeles, Calif. Preparation for the relief of arthritis, asthma, and hay fever. Serial No. 466,839; July 11. Class 6.

Hickey Leather Company, Shrewsbury, Mass. Tanned and finished leathers. Serial No. 467,566; July 11. Class 1.

Hoffman-La Roche, Inc., Nutley, N. J. Medicinal preparation. Serial No. 469,398; July 11. Class 6.

Hollywood Game Co. (See Guettel, Edward H.)

Ideal Aeroplane & Supply Co., Inc., New York, N. Y. Toy model airplanes, toy model ships, and toy model railroad construction sets, etc. Serial No. 469,229; July 11. Class 22.

Industrial Raw Materials Corporation, New York, N. Y. Wax. Serial No. 468,291; July 11. Class 44.

International Harvester Company, Chicago, Ill. Plows and parts thereof. Serial No. 469,304; July 11. Class 23.

International Products Corporation, Baltimore, Md. Composite electrical insulating material. Serial No. 469,992; July 11. Class 21.

Ivers-Lee Company, Newark, N. J. Merchandise envelopes. Serial No. 470,454; July 11. Class 2.

J N T Mfg. Company Inc., New York, N. Y. Fabric spot remover and cleaner, cleaning wax, enamel cleaner, etc. Serial Nos. 466,163–4; July 11. Class 4.

Jantzen Knitting Mills, also doing business as Santiseptic Company, Portland, Oreg. Mouthwash. Serial No. 467,096; July 11. Class 6.

Johnson, Fredric H., doing business as Spice Islands Company, San Francisco, Calif. Seasoning salt. Serial No. 470,268; July 11. Class 46.

Keene's Laboratories Limited, London, England. Tonic tablets. Serial No. 467,158; July 11. Class 6.

Kendall Company, The, Walpole, Mass. Athletic supporters. Serial No. 470,501; July 11. Class 44.

Kidstuff Co., Minneapolis, Minn. Manually propelled wheeled toys. Serial No. 465,779; July 11. Class 22.

King, Robert C., & Co., New York, N. Y. Men's, women's and children's underwear. Serial No. 469,733; July 11. Class 39.

Kirshbaum-Heibraun, Inc., Chicago, Ill. Women's and misses' cloth coats, jackets and suits. Serial No. 470,032; July 11. Class 39.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. Serial No. 470,078; July 11. Class 26.

Lactona Incorporated, St. Paul, Minn. Toothpicks. Serial No. 469,679; July 11. Class 44.

Lamb, George M., New York, N. Y. Paper dress patterns. Serial No. 467,527; July 11. Class 26.

Legge, Walter G., Company, Inc., New York, N. Y. Plastic material. Serial No. 468,568; July 11. Class 21.

Legge, Walter G., Company, Inc., New York, N. Y. Gritty powder. Serial No. 468,570; July 11. Class 4.

Legge, Walter G., Company, Inc., New York, N. Y. Absorbent gritty powder. Serial No. 468,571; July 11. Class 4.
Lightfoot Schultz Co., New York, N. Y., and Hoboken, N. J. After shaving lotion, hair dressing, personal deodorant, etc. Serial No. 467,894; July 11. Class 6.
Linen Thread Co., Inc., The, New York, N. Y. Thread and yarn. Serial No. 468,458; July 11. Class 43.
Lovely Lady Comfort Co., Philadelphia, Pa. Comforts. Serial No. 469,342; July 11. Class 42.
Luxuray, Division of Beaunit Mills, Inc., New York, N. Y. Ladies', misses', children's and infants' chemise, panties, vests, etc. Serial No. 458,596; July 11. Class 39.
Maguire, Walter, Company, Inc., New York, N. Y. Premixed cement. Serial No. 465,294; July 11. Class 12.
Margulis Brothers, St. Louis, Mo. Wearing apparel for women, misses, and girls. Serial No. 469,777; July 11. Class 39.
Mars Studios, Omaha, Nebr. Ruled blackboards. Serial No. 467,101; July 11. Class 50.
Midwest Manufacturing and Engineering Corp, Boston, Mass, and New York, N. Y. Condiment dispensers. Serial No. 467,975; July 11. Class 2.
Midwest Manufacturing and Engineering Corp, Boston, Mass, and New York, N. Y. Condiment dispensers. Serial No. 469,086; July 11. Class 2.
Miller-Smith Hosiery Mills, Chattanooga, Tenn. Ladies' silk hosiery. Serial No. 468,962; July 11. Class 39.
Miller-Smith Hosiery Mills, Chattanooga, Tenn. Hosiery, underwear, sweaters, etc. Serial No. 468,963; July 11. Class 39.
Minnesota Paper and Cordage Co., Minneapolis, Minn. Wrapping papers, locker paper, bond paper, etc. Serial No. 463,326; July 11. Class 37.
Mishel, Hyman H., Philadelphia, Pa. Raincoats, rain capes and storm hoods. Serial No. 468,346; July 11. Class 39.
Monsanto Chemical Company, St. Louis, Mo. Normally solid, crude synthetic resins. Serial No. 469,936; July 11. Class 1.
Mueller, L. J., Furnace Company, Milwaukee, Wis. Electrically actuated thermostatic controls. Serial No. 468,417; July 11. Class 26.
National Agrol Company, The, Washington, D. C. Chewing gum. Serial No. 469,363; July 11. Class 6.
Nazareth Waist Co., Nazareth, Pa. Union suits, pajamas, shirts, etc., for infants and children. Serial No. 466,359; July 11. Class 39.
Northwestern Leather Company Trust, Boston, Mass. Cattle hide side upper leather and splits. Serial No. 454,344; July 11. Class 1.
Ohio Brewery, Inc., Columbus, Ohio. Bottle beer. Serial No. 467,698; July 11. Class 48.
Paradise Packing Co. (See Goodman, Hyman.)
Passin, Sidney, Brooklyn and New York, N. Y. Ladies' and misses' fur hats. Serial No. 469,166; July 11. Class 39.
Passin, Sidney, Brooklyn and New York, N. Y. Fur skins. Serial No. 469,167; July 11. Class 1.
Phelps Associates, New York, N. Y. Garment belts. Serial No. 467,466; July 11. Class 39.
Quaker Chemical Products Corporation, Conshohocken, Pa. Oily compounds soluble in water. Serial No. 467,858; July 11. Class 15.
Racine, Jules, & Company. (See Wallace, George N.)
Riverside & Dan River Cotton Mills, Inc., Danville, Va., and New York, N. Y. Men's and women's leisure shirts, shorts, and trousers. Serial No. 455,932; July 11. Class 39.
Royal Manufacturing Co., Los Angeles, Calif. Women's clothing. Serial No. 468,309; July 11. Class 39.
S/A Products Company, The, Glendale, Calif. Styptic sticks. Serial No. 463,892; July 11. Class 6.
Sante Chemical Co., assignor to Sante Chemical Company, Inc., New York, N. Y. Colloidal sulphur products. Serial No. 463,279; July 11. Class 6.
Sante Chemical Company, Inc. (See Sante Chemical Co., assignor.)
Santiseptic Company. (See Jantzen Knitting Mills.)
Selnaheimer, H. A., Company, The, Cincinnati, Ohio. Men's and boys' clothing. Serial No. 469,281; July 11. Class 39.
Selenium Corporation of America, Los Angeles, Calif. Photo-electric cells and selenium rectifiers. Serial No. 470,425; July 11. Class 21.
Shirley Fabrics Corp., New York, N. Y. Textile fabrics. Serial No. 469,698; July 11. Class 42.
Shirley Fabrics Corp., New York, N. Y. Textile fabrics. Serial No. 469,701; July 11. Class 42.
Shops of Edward A. Brass. (See Brass, Edward A.)
Siegel Bros. Garment Corp., New York, N. Y. Woolen and worsted fabrics. Serial No. 469,613; July 11. Class 42.
Simon, Irving, doing business as Aid-Oil Drugs, Brooklyn, N. Y. Foot preparation. Serial No. 466,746; July 11. Class 6.
Solar Aircraft Company, San Diego, Calif. Welding fluxes. Serial No. 469,286; July 11. Class 6.
Southern Coffee and Spice Company, Birmingham, Ala. Coffee. Serial No. 466,955; July 11. Class 46.
Spice Islands Company. (See Johnson, Fredric H.)
Staley, Austin L., trustee in reorganization for the Universal Lubricating Systems, Inc., Oakmont, Pa. Hydraulic couplers. Serial No. 468,905; July 11. Class 23.
Stedfast Rubber Company, Inc., Mattapan, Mass. Adhesive textile binding tape. Serial No. 465,930; July 11. Class 40.
Street & Smith Publications, Inc., New York, N. Y. Paper dress patterns. Serial No. 467,548; July 11. Class 26.
Stylecraft Sales Corp., New York, N. Y. Women's hosiery. Serial No. 458,375; July 11. Class 39.
Tissue Company, The, Saugerties, N. Y. Paper napkins. Serial No. 469,657; July 11. Class 37.
Tri-Fax Company. (See Hecht, Jacob.)
Union Baystate Co. Inc., Cambridge, Mass. Synthetic latex. Serial No. 468,644; July 11. Class 1.
United Conveyor Corporation, Chicago, Ill. Metallic gaskets. Serial No. 459,384; July 11. Class 35.
United Piece Dye Works, The, Lodi, N. J. Chemical preparation. Serial No. 468,646; July 11. Class 6.
United States Plywood Corporation, New York, N. Y. Plywood. Serial No. 465,997; July 11. Class 12.
Universal Fountain Pen Co., New York, N. Y. Fountain pens. Serial No. 469,349; July 11. Class 37.
Universal Lubricating Systems, Inc., The. (See Staley, Austin L., trustee.)
Universal Paper Products, Chicago, Ill. Soda straws. Serial No. 459,139; July 11. Class 50.
Valhalla Company, The, Chicago, Ill. Combination electrolytic cells and electrolyte tanks. Serial No. 462,528; July 11. Class 21.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Accelerator. Serial No. 469,480; July 11. Class 6.
Vita-Food Corporation, The, Los Angeles, Calif. Concentrate of plant extractives with vitamin B-1, nicotinic acid, etc. Serial No. 441,653; July 11. Cass 6.
Wallace, George N., doing business as Jules Racine & Company, New York, N. Y. Watches, stop-watches, and parts thereof. Serial No. 469,659; July 11. Class 27.
Wallace, George N., doing business as Jules Racine & Company, New York, N. Y. Watches and parts thereof. Serial No. 469,660; July 11. Class 27.
Wallace, George N., doing business as Jules Racine & Company, New York, N. Y. Watches, stop-watches and parts thereof. Serial No. 469,661; July 11. Class 27.
Warner, William R., & Co. Inc., New York, N. Y. Vaporizer. Serial No. 470,215; July 11. Class 44.
Wenatchee Valley Foods, Inc., North Wenatchee, Wash. Canned fruits. Serial No. 461,399; July 11. Class 46.
Wesley & Winter, Inc., Linden, N. J. Tablets, writing paper and envelopes, etc. Serial No. 469,371; July 11. Class 37.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric transformers and parts therefor. Serial No. 470,013; July 11. Class 21.
Zoller Brewing Company, assignor to Blackhawk Brewing Co., Davenport, Iowa. Non-alcoholic cereal malt beverages and beer. Serial No. 466,133; July 11. Class 48.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Screen Company, Inc., Dallas, Tex. Window and door screens. 184,692; renewed May 27, 1944.
Allied Toiletries Distributors, Inc., New York, N. Y. Perfumes, perfume extracts, toilet water, etc. 408,040–1; July 11. Class 6.
American Fork & Hoe Company, The. (See Kelly Axe Mfg. Co., assignor.)
American Fork & Hoe Company, The. (See Skelton Shovel Company, Inc., assignor.)
American Radiator & Standard Sanitary Corporation. (See Standard Sanitary Manufacturing Company, assignor.)
Anderson & Brown Company, Cleveland, Ohio, now by change of name, Magnetic Holding Devices, Inc. Magnetic chucks, demagnetizing units and electrical controls therefor. 408,034; July 11. Class 21.
Anderson Fire-Fighting Equipment Company, Inc., New York, N. Y. Hose couplings and hose nozzles. 407,984; July 11; Serial No. 466,664; published May 2, 1944. Class 13.
Ansbacher-Siegle Corporation, Brooklyn, N. Y. Resinous materials. 407,959; July 11; Serial No. 464,298; published Apr. 18, 1944. Class 6.
Aqua-Nix Chemical Co., Bay City, Mich. Leather dressing, cleanser and preserver and shoe polish. 408,038; July 11. Class 4.
Arneson Foundry, Incorporated, Kenosha, Wis. Unfinished iron and steel castings. 407,955; July 11; Serial No. 461,599; published Apr. 25, 1944. Class 14.
Baker, H. W., Linen Company, New York, N. Y. Turkish towels. 191,130; renewed Nov. 4, 1944.

Bell Aircraft Corporation, Buffalo, N. Y. Airplanes and structural parts thereof. 408,002; July 11; Serial No. 467,011; published May 2, 1944. Class 19.
Bemis Bro. Bag Company, St. Louis, Mo. Woven cotton fabric bags. 408,023; July 11; Serial No. 467,955; published May 2, 1944. Class 2.
Ben-Hur Products, Inc. (See Joannes Brothers Company, assignor.)
Berger, Harry, doing business as Harry Berger Shirt Company, to Kaylon Incorporated, New York, N. Y., successor. Men's and boys' collars, pyjamas, night robes, etc. 190,098; renewed Oct. 7, 1944.
Berger, Harry, doing business as Harry Berger Shirt Company, to Kaylon Incorporated, New York, N. Y., successor. Men's and boys' collars, pyjamas, nightrobes, etc. 190,142; renewed Oct. 7, 1944.
Berger, Harry Shirt Company. (See Berger, Harry.)
Bibby, J., & Sons Limited, Liverpool, England. Common soaps and toilet soap. 185,094; renewed June 10, 1944.
Blacker, D. C., Indianapolis, Ind. Canned beans, canned chili con carne straight, etc. 184,552; renewed May 27, 1944.
Blechman, S., & Sons, Inc. (See Gordon, Cyrus P.)
Blu Moon Food Products, Inc., Brooklyn, N. Y. Chocolate syrup. 407,998; July 11; Serial No. 467,332; published May 2, 1944. Class 46.
Borden Company, The, New York, N. Y. Dried mixture of soy flour, buttermilk and whey. 408,020; July 11; Serial No. 467,871; published May 2, 1944. Class 46.
Breier's, Marcus, Sons, New York, N. Y. Men's, women's, and boys' wearing. 407,965; July 11; Serial No. 465,611; published Apr. 18, 1944. Class 39.
Burke, Ralph A., Oakland, Calif. Shoes. 407,977; July 11; Serial No. 466,403; published Apr. 18, 1944. Class 39.
Carew Manufacturing Company, South Hadley Falls, Mass. Writing and printing paper and mailing envelopes. 191,521; renewed Nov. 11, 1944.
Carnac Cottons, Inc., New York, N. Y., by change of name Carnac, Inc. Cotton piece goods. 407,978; July 11; Serial No. 466,503; published Mar. 28, 1944. Class 42.
Carnac, Inc. (See Carnac Cottons, Inc.)
Cementation Company (Subsidiaries) Limited, The, London, England. Heat-insulating and acoustical building slabs and building blocks. 407,951; July 11; Serial No. 458,265; published May 2, 1944. Class 12.
Chamberlain Medicine Company, Inc., New York, N. Y. Laxative medicine. 408,035–6; July 11. Class 6.
Cherry-Burrell Corporation, Chicago, Ill. Case and container conveyors, can washers, sterilizers, etc. 407,949; July 11; Serial No. 454,935; published Apr. 11, 1944. Class 23.
Chrysler Corporation. (See Chrysler Motor Corporation, assignor.)
Chrysler Motor Corporation, assignor to Chrysler Corporation, Detroit, Mich. Automobiles and their structural parts. 187,901; renewed Aug. 12, 1944.
Cinderella Foods, Dawson, Ga. Peanut butter. 407,993; July 11; Serial No. 467,232; published May 2, 1944. Class 46.
Cinderella Foods, Dawson, Ga. Peanut butter. 408,016; July 11; Serial No. 467,752; published May 2, 1944. Class 46.
Cipes, Bret, doing business as Process Company of America, New York, N. Y. Book-ends. 407,999; July 11; Serial No. 467,333; published May 2, 1944. Class 32.
Clark, Robert H., doing business as The Custom Company, Los Angeles, Calif. Shaving cream. 407,957; July 11; Serial No. 463,244; published Apr. 25, 1944. Class 4.
Columbia Ribbon & Carbon Manufacturing Company, Inc., New York, to Columbia Ribbon and Carbon Manufacturing Co., Inc., Glen Cove, N. Y. Typewriter ribbons and carbon paper. 191,253; renewed Nov. 4, 1944.
Columbia Ribbon and Carbon Manufacturing Co., Inc. (See Columbia Ribbon & Carbon Manufacturing Company, Inc.)
Columbia Ribbon & Carbon Manufacturing Company, Inc., New York, to Columbia Ribbon and Manufacturing Co., Inc., Glen Cove, N. Y. Typewriter ribbons and carbon paper. 191,260; renewed Nov. 4, 1944.
Compo Company, Limited, Lachine, Quebec, Canada. Talking-machine records. 190,698; renewed Oct. 21, 1944.
Coro, Inc., New York, N. Y. Necklaces, bracelets, earrings, etc. 407,969; July 11; Serial No. 466,004; published May 2, 1944. Class 28.
Cron and Dehn, Inc. (See Hodgson and Company Limited.)
Crown Cork and Seal Company of Baltimore City, The, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Closures for receptacles. 191,514; renewed Nov. 11, 1944.
Crown Cork & Seal Company, Inc. (See Crown Cork and Seal Company of Baltimore City, The, assignor.)
Custom Company, The. (See Clark, Robert H.)
Davis Engineering Corporation, Elizabeth, N. J. Indicator for indicating the flow of a liquid. 408,014; July 11; Serial No. 467,716; published May 2, 1944. Class 26.
Decca Records, Inc., New York, N. Y. Phonograph records. 407,975–6; July 11; Serial Nos. 466,325–6; published May 2, 1944. Class 36.
Delicious Chocolate Pudding Regd. (See Gold, Bernice G.)
Dermetics, Inc., Seattle, Wash. Toilet preparations. 407,950; July 11; Serial No. 455,648; published Apr. 25, 1944. Class 6.
Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Stencil cutting machines. 408,000; July 11; Serial No. 465,416; published Apr. 11, 1944. Class 23.
Dick, A. B., Company. (See Meeker, A. R., & Company, assignor.)
Di Santo & Company. (See Di Santo, Joseph.)
Di Santo, Joseph, doing business as Di Santo & Company, Duluth, Minn. Tomato paste. 190,672; renewed Oct. 21, 1944.
Dorr Company, The, New York, N. Y. Hindered settling hydraulic classifiers. 407,994; July 11; Serial No. 467,270; published Apr. 25, 1944. Class 23.
Dover Stamping & Manufacturing Company, Cambridge, Mass. Milk and dairy pails, covered buckets, cake and bread boxes, etc. 184,109; renewed May 20, 1944.
Dover Stamping & Manufacturing Company, Cambridge, Mass. Measuring containers and measures for liquids. 188,277; renewed Aug. 19, 1944.
Dover Stamping & Manufacturing Company, Cambridge, Mass. Egg beaters, scoops, coal sieves, etc. 188,278; renewed Aug. 19, 1944.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic chemicals. 407,966; July 11; Serial No. 465,947; published Apr. 25, 1944. Class 6.
Eberle Tanning Company, Westfield, Pa. Sole leather. 408,043; July 11. Class 1.
Empresa de Limas União Tomé Féteira, Limitada, Vieira de Leiria, Marinha Grande, Portugal. Files and rasps. 407,982; July 11; Serial No. 466,609; published Apr. 18, 1944. Class 23.
Ever-Glow Company. (See Smith, Edwin B., Jr.)
Famolare, Joseph P., Inc., Boston, Mass. Shoes. 407,983; July 11; Serial No. 466,610; published Apr. 18, 1944. Class 39.
Fashion Park, Inc. (See Rosenberg Bros. & Co., assignor.)
Fisher, Bruce & Company, Philadelphia, Pa. Ceramic dishes, flower pots and flower bowls. 408,030; July 11. Class 30.
Flex Blade Works, New York, N. Y. Lawn mower blades. 407,992; July 11; Serial No. 467,187; published Apr. 18, 1944. Class 23.
Florence Manufacturing Company, assignor, by mesne assignments, to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Hand mirrors. 185,089; renewed June 10, 1944.
Food Machinery Corporation, San Jose, Calif. Fluid spray projecting fire fighting apparatus. 407,964; July 11; Serial No. 465,227; published Apr. 11, 1944. Class 23.
Franco-Italian Packing Corp., Terminal Island, Calif. Canned fish. 407,947; July 11; Serial No. 436,171; published Nov. 19, 1940. Class 46.
Gardner, M. D., Phoenix, Ariz. Fresh citrus fruits and dates. 408,028; July 11. Class 46.
Garriques, Ernest H., New York, N. Y. Watches and parts thereof. 408,044; July 11. Class 27.
Geary, Edmund J., Company, Detroit, Mich. Playing cards. 407,996; July 11; Serial No. 467,316; published May 2, 1944. Class 22.
Gerstle Medicine Co. (See Plough Chemical Company.)
Ginola Medicine Company. (See Respondek, John E.)
Glasdon Leather Novelties Company, New York, N. Y. Leather wallets, leather bags, and pocketbooks. 408,021; July 11; Serial No. 467,884; published May 2, 1944. Class 3.
Gold, Bernice G., doing business as Delicious Chocolate Pudding Reg'd, Montreal, Quebec, Canada. Preparation for making puddings and desserts. 407,946; July 11; Serial No. 425,215; published May 2, 1944. Class 46.
Goodyear Tire & Rubber Company, Akron, Ohio. Booklets and folders. 186,110; renewed July 1, 1944.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Elastic vehicle tires. 188,959; renewed Sept. 9, 1944.
Gordon, Cyrus P., to S. Blechman & Sons, Inc., New York, N. Y., successors. Boys' shirts and blouses. 180,037; renewed Feb. 19, 1944.
Granday, A., Canning Company. (See Thompson, Norberg.)
Grant Photo Products, Inc., New York, N. Y. Sensitized photographic paper and sensitized photographic film. 408,042; July 11. Class 26.
Guaranteed Products, Inc., doing business as The Swedish Shampoo Laboratories, New York, to Guaranteed Products, Inc., doing business as The Swedish Shampoo Laboratories, Long Island City, N. Y. Shampoo. 188,727; renewed Sept. 2, 1944.
Hanes Hosiery Incorporated. (See Heyman & Bissinger Co.)
Hecker-Jones-Jewell Milling Company, New York, N. Y., assignor, by mesne assignments, to Nappanee Milling Co., Inc., Nappanee, Ind. Wheat flour. 183,944; renewed May 13, 1944.
Heyman & Bissinger Co. to Hanes Hosiery Incorporated, New York, N. Y., successor. Hosiery, sweaters, and knitted underwear. 191,550; renewed Nov. 11, 1944.
Higgins, Wm. A., & Co., Inc., New York, N. Y. Walnuts in the shell. 191,562; renewed Nov. 11, 1944.
Hight, W. T., Co., The, Boston, Mass. Glass caster cups. 191,134; renewed Nov. 4, 1944.

Hodgson and Company Limited, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, and Seattle, Wash., by change of name to Hodgson & Company Pty. Limited, Sydney, New South Wales, Australia. Canned salmon. 178,589; renewed Jan. 15, 1944.

Hodgson and Company, Limited, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, and Seattle, Wash., by change of name to Hodgson & Company Pty., Limited, Sydney, New South Wales, Australia. Canned salmon. 178,796; renewed Jan. 29, 1944.

Hodgson & Company Pty., Limited. (See Hodgson and Company Limited.)

Hohner, M., Inc., New York, N. Y. Harmonicas. 191,298; renewed Nov. 4, 1944.

Houts, Tillie, doing business as Tillie's Bouquet, Wheaton, Ill. Lapel, and dress and coat ornaments. 407,995; July 11; Serial No. 467,279; published May 2, 1944. Class 40.

Huttner, Max R., doing business as Tiricin Co., New York, N. Y. Vitamin tablets. 407,997; July 11; Serial No. 467,317; published Apr. 25, 1944. Class 6.

Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls. 408,024; July 11; Serial No. 468,033; published May 2, 1944. Class 22.

Indian Arts and Crafts Board, Washington, D. C. Beaded bags, medallions, horn buttons, etc. 408,004; July 11; Serial No. 467,085; published May 2, 1944. Class 40.

Industrial Raw Materials Corporation, New York, N. Y. Petroleum wax. 407,980; July 11; Serial No. 466,531; published May 2, 1944. Class 15.

Joannes Brothers Company, assignor, by mesne assignments, to Ben-Hur Products, Inc., Los Angeles, Calif. Extracts for food-flavoring purposes. 186,532; renewed July 22, 1944.

Johnson, Nestor, Mfg. Co., Chicago, Ill. Ice skates. 189,547; renewed Sept. 23, 1944.

Kaylon Incorporated. (See Berger, Harry.)

Kays-Newport, Inc., Providence, R. I. Boots and shoes. 407,988; July 11; Serial No. 466,895; published Apr. 18, 1944. Class 39.

Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper. 184,233; renewed May 20, 1944.

Kelite Products, Inc., Los Angeles, Calif. Cleaning and washing powder. 407,952; July 11; Serial No. 458,462; published May 2, 1944. Class 4.

Kelly Axe Mfg. Co., Charleston, W. Va., and New York, N. Y., assignor, by mesne assignments, to The American Fork & Hoe Company, Cleveland, Ohio. Adzes, axes, bush hooks. 186,977; renewed July 22, 1944.

King, W. A., Brownsville, Tex. Pyrophoric lighters. 407,989; July 11; Serial No. 466,917; published May 2, 1944. Class 34.

Klepinger, R. O., doing business as The Mineralized Yeast Mills, Ingomar, Ohio. Animal feed. 184,650; renewed May 27, 1944.

Kress, S. H., & Co. (See Remmers Soap Company, The, assignor.)

Lakeland Highlands Citrus Growers Ass'n, Haskell, assignor to Lakeland-Highlands Co-Operative Association, Highland City, Fla. Fresh citrous fruits. 186,748; renewed July 22, 1944.

Lakeland-Highlands Co-Operative Association. (See Lakeland Highlands Citrus Growers Ass'n, assignor.)

Laub, George M., New York, N. Y. Paper dress patterns. 408,008; July 11; Serial No. 467,526; published May 2, 1944. Class 26.

Laub, George M., New York, N. Y. Paper dress patterns. 408,009; July 11; Serial No. 467,528; published May 2, 1944. Class 26.

Lebanon Shirt Company, New York, N. Y. Shirts, men's sport shirts, dress shirts, etc. 408,027; July 11. Class 39.

Legrand, Oriza L. (See Schuhl, Armand.)

LeLong, Lucien, Inc., Chicago, Ill. Soap. 408,022; July 11; Serial No. 467,928; published May 2, 1944. Class 4.

Leston Company, to Leston Company, St. Louis, Mo. Mayonnaise and Thousand Island salad dressing. 188,154; renewed Aug. 19, 1944.

Le Tourneau, R. G., Inc., Stockton, Calif., and Peoria, Ill. Self-propelled hoist trucks. 407,985; July 11; Serial No. 466,799; published May 2, 1944. Class 23.

Levine, David, doing business as Plating Equipment & Supply Company, New York, N. Y. Plating and polishing machines and parts thereof. 407,991; July 11; Serial No. 466,996; published Apr. 11, 1944. Class 23.

Lucas, John, & Co., Inc. (See Whigelt, George, assignor.)

Lucas, John, & Company, Incorporated. (See Whigelt, George, assignor.)

Luftig, Morris, doing business as Superior Belt Company, Chicago, Ill. Trouser belts. 407,963; July 11; Serial No. 465,987; published Apr. 18, 1944. Class 39.

Macdonald, James M., Evanston, Ill. Game board. 407,962; July 11; Serial No. 465,002; published May 2, 1944. Class 22.

Machinery Manufacturing Co., Los Angeles, Calif. Tools. 407,961; July 11; Serial No. 464,580; published May 2, 1944. Class 23.

Magnetic Holding Devices, Inc. (See Anderson & Brown Company.)

Majestic Company, The, Huntington, Ind. Machinists' clamps, C clamps, parallel clamps, vises, etc. 407,956; July 11; Serial No. 461,663; published Apr. 18, 1944. Class 23.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric contacting elements. 408,003; July 11; Serial No. 467,071; published May 2, 1944. Class 21.

Marathon Company, Attleboro, Mass. Belt buckles. 191,274; renewed Nov. 4, 1944.

Marshak, Samuel A., Brooklyn, N. Y. Food product consisting of sugar combined with dry skim milk, dry whole milk, cocoa and malt. 188,223; renewed Aug. 19, 1944.

Mathieson Alkali Works, The, New York, N. Y. Ammonia. 190,402; renewed Oct. 14, 1944.

Mauthner, Erie G. H., London, England. Rust removing preparations not containing oil. 408,005; July 11; Serial No. 467,163; published Apr. 25, 1944. Class 6.

Maxon Premix Burner Company, Muncie, Ind. Combination valves. 408,025; July 11. Class 34.

McLeod, Addie L., Savannah, Ga. Preparation for removing dandruff and for stimulating the growth of hair. 407,979; July 11; Serial No. 466,508; published Apr. 25, 1944. Class 6.

Meeker, A. R., & Company, assignor to A. B. Dick Company, Chicago, Ill. Paper. 189,617; renewed Sept. 23, 1944.

Merck & Co., Inc. (See Merck & Co., assignor.)

Merck & Co., New York, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Peroxide preparations. 184,254; renewed May 20, 1944.

Merck & Co., Inc. (See Merck & Co., assignor.)

Meyer, M. J. & H. J., Co., Inc., New York, N. Y. Canned fish. 407,948; July 11; Serial No. 444,796; published May 2, 1944. Class 40.

Miller-Bryant-Pierce Company, The, Aurora, Ill., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Inked ribbons and carbon papers. 191,240; renewed Nov. 4, 1944.

Mineralized Yeast Mills, The. (See Klepinger, R. O.)

Minkota Milling Co., Duluth, Minn., assignor, by mesne assignments, to Standard Milling Company, New York, N. Y. Cerial food products. 25,513; re-renewed Nov. 13, 1944.

Mortendyke Manufacturing Co., Richmond, Va. Paper bags. 191,151; renewed Nov. 4, 1944.

Murphy Chemical Corporation, New York, N. Y. Washing powders. 407,990; July 11; Serial No. 466,947; published Apr. 25, 1944. Class 4.

Murray Company, The, Boston, Mass. Preparations of cocoa, chocolate, sugar, and milk in powdered form. 184,652; renewed May 27, 1944.

Nappanee Milling Co., Inc. (See Hecker-Jones-Jewell Milling Company, assignor.)

Nash, C. A., & Son, Inc., Norfolk, Va. Floor cleaning compound. 408,013; July 11; Serial No. 467,615; published May 2, 1944. Class 4.

Nestor Johnson Mfg. Co., Chicago, Ill. Ice skates. 189,011; renewed Sept. 9, 1944.

New Products Laboratories. (See Wilhelm, Warren F.)

Nutrition Research Laboratories, Chicago, Ill. Hydrophilic colloid in the form of a laxative medicinal wafer. 408,007; July 11; Serial No. 467,497; published Apr. 25, 1944. Class 6.

Oakes & Burger Co., Cattaraugus, N. Y. Cheese presses, curd mills, cheese paraffiners, etc. 188,207; renewed Aug. 19, 1944.

Oakes & Burger Co., Cattaraugus, N. Y. Cans and tanks, pails, cheese vats, etc. 189,644; renewed Sept. 23, 1944.

Oberti, G., & Sons, Madera, Calif. Olives in cans. 408,029; July 11. Class 46.

Oriza, Ltd. (See Schuhl, Armand, assignor.)

Pickwick Corporation, Cedar Rapids, Iowa. Poultry picking machines and parts thereof. 407,986; July 11; Serial No. 466,803; published Apr. 18, 1944. Class 23.

Pierce, F. O., Company, New York, to F. O. Pierce Company, Long Island City, N. Y. Varnishes, furniture, and automobile polishes, paint pigments, colors, etc. 190,770; renewed Oct. 21, 1944.

Pilkingtons Limited, Heywood, Lancashire, England. Loom shuttles. 407,967; July 11; Serial No. 465,955; published Apr. 18, 1944. Class 23.

Pinkus, Max, doing business as John Price and Company, Philadelphia, Pa. Bottled condiments, pickles, relishes, canned evaporated milk, boxed rolled oats, etc. 184,075; renewed May 20, 1944.

Pittman, Arthur, Calipatria, Calif. Fresh melons. 408,033; July 11. Class 46.

Plating Equipment & Supply Company. (See Levine, David.)

Plough Chemical Company, doing business as Gerstle Medicine Co., Memphis, Tenn., by change of name to Plough, Inc. Medicinal preparations. 189,351; renewed Sept. 16, 1944.

Plough, Inc. (See Plough Chemical Company.)

Powell, Norris D., New York, N. Y. Stockless anchors. 408,039; July 11. Class 14.

Price, John, and Company. (See Pinkus, Max.)

Process Company of America. (See Cipes, Bret.)

Pro-Phy-Lac-Tic Brush Company. (See Florence Manufacturing Company, assignor.)

Quaker Chemical Products Corporation. (See Quaker Oil Products Corporation, assignor.)

Quaker Oil Products Corporation, assignor to Quaker Chemical Products Corporation, Conshohocken, Pa. Oleaginous preparation. 184,361; renewed May 20, 1944.

Refinite Corporation, The, Omaha, Nebr. Machines for effecting the softening of water. 407,974; July 11; Serial No. 466,333; published Apr. 11, 1944. Class 23.

Reliance Dental Mfg. Co., Chicago, Ill. Denture liners. 408,019; July 11; Serial No. 467,817; published May 2, 1944. Class 44.

Remmers Soap Company, The, Cincinnati, Ohio, assignor, by mesne assignments, to S. H. Kress & Co., New York, N. Y. Soap. 189,905; renewed Sept. 30, 1944.

Respondek, John E., doing business as Ginola Medicine Company, Linwood Station, Detroit, Mich. Herb compound. 407,970; July 11; Serial No. 466,016; published Apr. 25, 1944. Class 6.

Richards, Boggs & King, Inc., Chicago, Ill. Artificial leather. 408,017; July 11; Serial No. 467,770; published May 2, 1944. Class 50.

Rite-Way Products Co., Chicago, Ill. Milker outfits. 408,001; July 11; Serial No. 467,006; published Apr. 18, 1944. Class 23.

Rose, E. W., Company, The, Cleveland, Ohio. Preparation for the skin and scalp and an ointment for external use. 191,482; renewed Nov. 11, 1944.

Rosenberg Bros. & Co., assignor, by mesne assignments, to Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, and pants. 185,600; renewed June 24, 1944.

Rosenberg Bros. & Co., Inc., assignor, by mesne assignments to Fashion Park, Inc., Rochester, N. Y. Men's overcoats, coats, vests, and pants. 186,308; renewed July 8, 1944.

Russo, A., & Company. (See Russo, Andrea.)

Russo, Andrea, to A. Russo & Company, Chicago, Ill., successor. Olive oil and canned anchovies. 172,064; renewed Aug. 21, 1944.

Rylands Brothers, Limited, Warrington, England. Iron, steel, and lead manufactures. 25,436; re-renewed Oct. 30, 1944.

S. V. H. Corporation, Chicago, Ill. Cuticle preparations. 407,958; July 11; Serial No. 463,303; published Apr. 25, 1944. Class 6.

Safety Cleansers Company, The. (See Wieneke, Eric F.)

Sagner's, A., Sons, Frederick, Md. Men's and women's coats and suits, etc. 407,981; July 11; Serial No. 466,552; published Apr. 18, 1944. Class 39.

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, etc. 188,594; renewed Sept. 2, 1944.

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, etc. 188,599–600; renewed Sept. 2, 1944.

Schneierson, I., & Sons Inc., New York, N. Y. Ladies' chemises, pajamas, dresses, etc. 408,032; July 11. Class 39.

Schuhl, Armand, doing business as Oriza L. Legrand, Paris, France, assignor, by mesne assignments, to Oriza, Ltd., New York, N. Y. Perfumes, toilet water, face powder, etc. 191,461; renewed Nov. 11, 1944.

Schultz & Hirsch Co., assignor, by mesne assignments, to Schultz & Hirsch Co., Chicago, Ill. Box springs, mattresses and pillows. 173,878; renewed Oct. 2, 1944.

Schwab, D. E., & Company, New York, N. Y. Laces, netted and lace fabrics. 185,804; renewed June 24, 1944.

Schwob, Adolphe, Inc., New York, assignor, by mesne assignments, to Louis A. Schwob, Pelham Manor and New York, N. Y. Watches and watch movements. 191,324; renewed Nov. 4, 1944.

Schwob, Louis A. (See Schwob, Adolphe, assignor.)

Shaw, H. L., & Sons Inc., Boston, Mass. Cleansing agent. 408,026; July 11. Class 4.

Sherwood, Erwin Hassell, Holland, Mo. Shampooing preparation. 408,031; July 11. Class 6.

Signature Records Company, The, New York, N. Y. Phonograph records. 408,037; July 11. Class 36.

Skelton Shovel Company, Inc., Dunkirk, N. Y., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Shovels and spades. 185,955; renewed July 1, 1944.

Skelton Shovel Company, Inc., Dunkirk, N. Y., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Shovels and spades. 185,969; renewed July 1, 1944.

Smith, Edwin B. (See Smith, Edwin B., Jr.)

Smith, Edwin B., Jr., doing business as Ever-Glow Company, Cleveland, to Edwin B. Smith, doing business as Ever-Glow Company, East Cleveland, Ohio. Window-cleaning compound. 186,754; renewed July 22, 1944.

Smith, L. C., & Corona Typewriters, Inc. (See Miller-Bryant-Pierce Company, The, assignor.)

Socony-Vacuum Oil Company, Incorporated, New York, N. Y., Lubricating greases. 408,010; July 11; Serial No. 467,542; published May 2, 1944. Class 15.

Stanco Incorporated. (See Standard Oil Company (New Jersey), assignor.)

Standard Milling Company. (See Minkota Milling Company, assignor.)

Standard Oil Company, (New Jersey), Bayonne, N. J., assignor to Stanco Incorporated, New York, N. Y. Mineral oil. 186,080; renewed July 1, 1944.

Standard Oil Company, (New Jersey), Bayonne, N. J., assignor to Stanco Incorporated, New York, N. Y. Lubricant. 187,284; renewed July 29, 1944.

Standard Oil Company (New Jersey), Bayonne, N. J., assignor to Stanco Incorporated, New York, N. Y. Solvent. 187,525; renewed Aug. 5, 1944.

Standard Oil Company (New Jersey), Bayonne, N. J., assignor to Standard Oil Company of New Jersey, Wilmington, Del. Ink reducer. 187,777; renewed Aug. 12, 1944.

Standard Oil Company (New Jersey), Bayonne, N. J., assignor to Stanco Incorporated, New York, N. Y. Hydrocarbon detergent. 190,020; renewed Sept. 30, 1944.

Standard Oil Company (New Jersey), Bayonne, N. J., assignor to Stanco Incorporated, New York, N. Y. Mineral oil. 190,491; renewed Oct. 14, 1944.

Standard Sanitary Manufacturing Company, assignor to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Plumbing fixtures. 184,859; renewed June 3, 1944.

Stanley, John T., Co., Inc., New York, N. Y., Laundry soap. 191,464; renewed Nov. 11, 1944.

Steinway & Sons, New York, N. Y. Resin bonded wood aircraft structural parts and assemblies. 407,987; July 11; Serial No. 466,868; published May 2, 1944. Class 19.

Sunny South Packing Company, Arcadia, Fla. Canned fruits and canned vegetables. 185,178; renewed June 10, 1944.

Superior Belt Company. (See Luftig, Morris.)

Supplee-Wills-Jones Milk Company, Philadelphia, Pa. Certified cream, butter, ice cream, etc. 186,850; renewed July 22, 1944.

Swedish Shampoo Laboratories, The. (See Guaranteed Products, Inc.)

Taormina, V., & Co., New Orleans, La., assignor, by mesne assignments, to Uddo & Taormina Company, Brooklyn, N. Y. Tomato paste. 186,862; renewed July 22, 1944.

Texas Company, The, New York, N. Y. Lubricating oils. 408,018; July 11; Serial No. 467,773; published Apr. 2, 1944. Class 15.

Textile Machine Works, Wyomissing, to Textile Machine Works, Wyomissing and Reading, Pa. Knitting machine needles and points. 188,986; renewed Sept. 9, 1944.

Thompson, Norberg, doing business as A. Granday Canning Company, Key West, Fla. Canned green sea turtle meat and soup. 408,011; July 11; Serial No. 467,577; published May 2, 1944. Class 46.

Tilghman Moyer Company, Allentown, Pa. Title of a periodical publication. 191,492; renewed Nov. 11, 1944.

Tillie's Bouquet. (See Houts, Tillie.)

Tingue, Brown & Co., New York, N. Y. Laundry nets. 191,270–1; renewed Nov. 4, 1944.

Tiricin Co. (See Huttner, Max R.)

Uddo & Taormina Company. (See Taormina, V., & Co., assignor.)

Utah Lime & Stone Company, Salt Lake City, Utah. Burned lime, hydrated lime, Keene's gauged finish, cement, etc. 190,539; renewed Oct. 14, 1944.

Veda Limited, Edinburgh, Scotland. Wheat flour, barley flour, oat flour, etc. 407,954; July 11; Serial No. 459,454; published May 2, 1944. Class 46.

Waldorf Knitting Company, New York, N. Y. Gloves. 407,963; July 11; Serial No. 465,217; published Apr. 18, 1944. Class 39.

Weber & Heilbroner, New York, N. Y., by change of name to Weber & Heilbroner, Inc. Men's suits. 186,528; renewed July 22, 1944.

Weber & Heilbroner, Inc. (See Weber & Heilbroner.)

Wesson Company, Ferndale, Mich. Spotfacers, counterbores, counter-sinks, etc. 408,006; July 11; Serial No. 467,419; published Apr. 25, 1944. Class 23.

Western Abrasive Supply Company, Reno, Nev. Abrasive or grinding machinery. 407,960; July 11; Serial No. 464,460; published May 2, 1944. Class 23.

Western Rawhide & Belting Co., Milwaukee, Wis. Leather belting. 190,916; renewed Oct. 28, 1944.

Wheel Trueing Tool Company of Delaware, Detroit, Mich. Diamond pointed tools for dressing and trueing. 407,972; July 11; Serial No. 466,240; published May 2, 1944. Class 23.

Whigelt, George, New York, N. Y., assignor to John Lucas & Co., Inc., assignor, by mesne assignments, to John Lucas & Company, Incorporated, Philadelphia, Pa. Wall sizes. 184,025; renewed May 13, 1944.

Whipple Company, The, Natick, Mass. Preserved fruits, marshmallow topping, nuts, etc. 407,973; July 11; Serial No. 466,243; published Mar. 28, 1944. Class 46.

Wieneke, Eric F., doing business as The Safety Cleansers Company, Saginaw, Mich. Soap and cleansing compound. 408,012; July 11; Serial No. 467,583; published Apr. 25, 1944. Class 4.

Wilhelm, Warren F., doing business as New Products Laboratories, Chicago, Ill. Receptacles. 407,953; July 11; Serial No. 459,098; published May 2, 1944. Class 2.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning, cleansing and detergent material. 407,971; July 11; Serial No. 466,132; published Apr. 25, 1944. Class 4.

Youngstown Alloy Casting Corporation, Youngstown, Ohio. Brackets for electric bus bar, clips for electric bus bar. 408,015; July 11; Serial No. 467,739; published May 2, 1944. Class 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather, Sole. Eberle Tanning Company. 408,043; July 11.

CLASS 2

Bags, Paper. Mortendyke Manufacturing Co. 191,151; renewed Nov. 4, 1944.
Bags, Woven cotton fabric. Bemis Bro. Bag Company. 408,023; July 11; Serial No. 467,955; published May 2, 1944.
Cans and tanks, pails, cheese vats, etc. Oakes & Burger Co. 189,644; renewed Sept. 23, 1944.
Pails, covered buckets, cake and bread boxes, etc., Milk and dairy. Dover Stamping & Manufacturing Company. 184,109; renewed May 20, 1944.
Receptacles. W. F. Wilhelm. 407,953; July 11; Serial No. 459,098; published May 2, 1944.

CLASS 3

Wallets, leather bags, and pocketbooks, Leather. Gladson Leather Novelties Company. 408,021; July 11; Serial No. 467,884; published May 2, 1944.

CLASS 4

Cleaning, cleansing and detergent material. Wyandotte Chemicals Corporation. 407,971; July 11; Serial No. 466,132; published Apr. 25, 1944.
Cleaning compound, Floor. C. A. Nash & Son, Inc. 408,013; July 11; Serial No. 467,615; published May 2, 1944.
Cleansing agent. H. L. Shaw & Son Inc. 408,026; July 11.
Detergent, Hydrocarbon. Standard Oil Company (New Jersey). 190,020; renewed Sept. 30, 1944.
Dressing, cleanser and preserver and shoe polish, Leather. Aqua-Nix Chemical Co. 408,038; July 11.
Powder, Cleaning and washing. Kellte Products, Inc. 407,952; July 11; Serial No. 458,462; published May 2, 1944.
Soap. Lucien LeLong, Inc. 408,022; July 11; Serial No. 467,928; published May 2, 1944.
Soap. Remmers Soap Company. 189,905; renewed Sept. 30, 1944.
Soap and cleansing compound. E. F. Wieneke. 408,012; July 11; Serial No. 467,583; published Apr. 25, 1944.
Soap, Laundry. John T. Stanley Co. 191,464; renewed Nov. 11, 1944.
Soaps and toilet soap, Common. J. Bibby & Sons Limited. 185,094; renewed June 10, 1944.
Shaving cream. R. H. Clark. 407,957; July 11; Serial No. 463,244; published Apr. 25, 1944.
Washing powders. Murphy Chemical Corporation. 407,990; July 11; Serial No. 466,947; published Apr. 25, 1944.
Window-cleaning compound. E. B. Smith, Jr. 186,754; renewed July 22, 1944.

CLASS 6

Ammonia. Mathieson Alkali Works. 190,402; renewed Oct. 14, 1944.
Cuticle preparations. S. V. H. Corporation. 407,958; July 11; Serial No. 463,303; published Apr. 25, 1944.
Herb Compound. J. E. Respondek. 407,970; July 11; Serial No. 466,016; published Apr. 25, 1944.
Hydrophilic colloid in the form of a laxative medicinal wafer. Nutrition Research Laboratories. 408,007; July 11; Serial No. 467,497; published Apr. 26, 1944.
Medicinal preparations. Plough Chemical Company. 189,351; renewed Sept. 16, 1944.
Medicine, Laxative. Chamberlain Medicine Company. 408,035–6; July 11.
Mineral oil. Standard Oil Company, (New Jersey). 186,080; renewed July 1, 1944.
Oil, Mineral. Standard Oil Company (New Jersey). 190,491; renewed Oct. 14, 1944.
Oleaginous preparation. Quaker Oil Products Corporation. 184,361; renewed May 20, 1944.
Perfumes, perfume extracts, toilet water, etc. Allied Toiletries Distributors, Inc. 408,040–1; July 11.
Perfumes, toilet water, face powder, etc. A. Schuhl. 191,461; renewed Nov. 11, 1944.
Peroxide preparations. Merck & Co. 184,254; renewed May 20, 1944.
Photographic chemicals. Eastman Kodak Company. 407,966; July 11; Serial No. 465,947; published Apr. 25, 1944.
Preparation for removing dandruff and for stimulating the growth of hair. A. L. McCleod. 407,979; July 11; Serial No. 466,508; published Apr. 25, 1944.
Preparation for the skin and scalp and an ointment for external use. E. W. Rose Company. 191,482; renewed Nov. 11, 1944.
Resinous materials. Ansbacher-Siegle Corporation. 407,959; July 11; Serial No. 464,298; published Apr. 18, 1944.

Rust removing preparations not containing oil. E. G. H. Mauthner. 408,005; July 11; Serial No. 467,163; published Apr. 25, 1944.
Shampoo. Guaranteed Products, Inc. 188,727; renewed Sept. 2, 1944.
Shampooing preparation. E. H. Sherwood. 408,031; July 11.
Solvent. Standard Oil Company (New Jersey). 187,525; renewed Aug. 5, 1944.
Toilet preparations. Dermetics, Inc. 407,950; July 11; Serial No. 455,648; published Apr. 25, 1944.
Vitamin tablets. M. R. Huttner. 407,997; July 11; Serial No. 467,317; published Apr. 25, 1944.

CLASS 7

Iron, steel and lead manufactures. Rylands Brothers, Limited. 25,436; re-renewed Oct. 30, 1944.
Twine, rope, string, etc. Schermerhorn Bros. Co 188,594; renewed Sept. 2, 1944.
Twine, rope, string, etc. Schermerhorn Bros. Co. 188,599–600; renewed Sept. 2, 1944.

CLASS 11

Ink reducer. Standard Oil Company (New Jersey). 187,777; renewed Aug. 12, 1944.
Inked ribbons and carbon papers. Miller-Bryant-Pierce Company. 191,240; renewed Nov. 4, 1944.
Paper, Carbon. Kee Lox Manufacturing Company. 184,233; renewed May 20, 1944.
Typewriter ribbons and carbon paper. Columbia Ribbon & Carbon Manufacturing Company. 191,253; renewed Nov. 4, 1944.
Typewriter ribbons and carbon paper. Columbia Ribbon & Carbon Manufacturing Company. 191,260; renewed Nov. 4, 1944.

CLASS 12

Building slabs and building blocks, Heat-insulating and acoustical. Cementation Company (Subsidiaries) Limited. 407,951; July 11; Serial No. 458,265; published May 2, 1944.
Lime, hydrated lime, Keene's gauged finish, cement, etc., Burned. Utah Lime & Stone Company. 190,539; renewed Oct. 14, 1944.

Class 13

Couplings and hose nozzles, Hose. Anderson Fire-Fighting Equipment Company. 407,984; July 11; Serial No. 466,664; published May 2, 1944.
Plumbing fixtures. Standard Sanitary Manufacturing Company. 184,859; renewed June 3, 1944.
Screens, Window and door. Acme Screen Company. 184,692; renewed May 27, 1944.

CLASS 14

Anchors, Stockless. N. D. Powell. 408,039; July 11.
Iron and steel castings, Unfinished. Arneson Foundry, Incorporated. 407,955; July 11; Serial No. 461,599; published Apr. 25, 1944.
Iron, steel and lead manufactures. Rylands Brothers Limited. 25,436; re-renewed Oct. 30, 1944.

CLASS 15

Greases, Lubricating. Socony-Vacuum Oil Company. 408,010; July 11; Serial No. 467,542; published May 2, 1944.
Lubricant. Standard Oil Company, (New Jersey). 187,284; renewed July 29, 1944.
Oils, Lubricating. Texas Company. 408,018; July 11; Serial No. 467,773; published Apr. 2, 1944.
Wax, Petroleum. Industrial Raw Materials Corporation. 407,980; July 11; Serial No. 466,531; published May 2, 1944.

CLASS 16

Varnishes, furniture and automobile polishes, paint pigment colors, etc. F. O. Pierce Company. 190,770; renewed Oct. 21, 1944.
Wall sizes. G. Whigelt. 184,025; renewed May 13, 1944.

CLASS 19

Aircraft structural parts and assemblies, Resin bonded wood. Steinway & Sons. 407,987; July 11; Serial No. 466,868; published May 2, 1944.
Airplanes and structural parts thereof. Bell Aircraft Corporation. 408,002; July 11; Serial No. 467,011; published May 2, 1944.
Automobiles and their structural parts. Chrysler Motor Corporation. 187,901; renewed Aug. 12, 1944.

CLASS 21

Chucks, demagnetizing units and electrical controls therefor. Anderson & Brown Company. 408,034; July 11.

Electric bus bar, clips for electric bus bar, Brackets for. Youngstown Alloy Casting Corporation. 408,015; July 11; Serial No. 467,739; published May 2, 1944.
Electric contacting elements. P. R. Mallory & Co. 408,003; July 11; Serial No. 467,071; published May 2, 1944.

CLASS 22

Cards, Playing. Edmund J. Geary Company. 407,996; July 11; Serial No. 467,316; published May 2, 1944.
Dolls. Ideal Novelty & Toy Co. 408,024; July 11; Serial No. 468,033; published May 2, 1944.
Game board. J. M. Macdonald. 407,962; July 11; Serial No. 465,002; published May 2, 1944.
Skates, Ice. Nestor Johnson Mfg. Co. 189,011; renewed Sept. 9, 1944.
Skates, Ice. Nestor Johnson Mfg. Co. 189,547; renewed Sept. 23, 1944.

CLASS 23

Abrasive or grinding machinery. Western Abrasive Supply Company. 407,960; July 11; Serial No. 464,460; published May 2, 1944.
Adzes, axes, bush hooks, etc. Kelly Axe Mfg. Co. 186,977; renewed July 22, 1944.
Blades, Lawn mower. Flex Blade Works. 407,992; July 11; Serial No. 467,187; published Apr. 18, 1944.
Cheese presses, curd mills, cheese paraffiners, etc. Oakes & Burger Co. 188,207; renewed Aug. 19, 1944.
Clamps, C clamps, parallel clamps, vises, etc., Machinists'. Majestic Company. 407,956; July 11; Serial No. 461,663; published Apr. 18, 1944.
Conveyers, can washers, sterilizers, etc., Case and container. Cherry-Burrell Corporation. 407,949; July 11; Serial No. 454,935; published Apr. 11, 1944.
Egg beaters, scoops, coal sieves, etc. Dover Stamping & Manufacturing Company. 188,278; renewed Aug. 19, 1944.
Files and rasps. Emprêsa de Limas União Tomé Féteira, Limitada. 407,982; July 11; Serial No. 466,609; published Apr. 18, 1944.
Fluid spray projecting fire fighting apparatus. Food Machinery Corporation. 407,964; July 11; Serial No. 465,227; published Apr. 11, 1944.
Hindered settling hydraulic classifiers. Dorr Company. 407,994; July 11; Serial No. 467,270; published Apr. 25, 1944.
Iron, steel, and lead manufactures. Rylands Brothers Limited. 25,436; re-renewed Oct. 30, 1944.
Knitting machine needles and points. Textile Machine Works. 188,986; renewed Sept. 9, 1944.
Loom shuttles. Pilkingtons Limited. 407,967; July 11; Serial No. 465,955; published Apr. 18, 1944.
Machines for effecting the softening of water. Refinite Corporation. 407,974; July 11; Serial No. 466,333; published Apr. 11, 1944.
Milker outfits. Rite-Way Products Co. 408,001; July 11; Serial No. 467,006; published Apr. 18, 1944.
Plating and polishing machines and parts thereof. D. Levine. 407,991; July 11; Serial No. 466,996; published Apr. 11, 1944.
Poultry picking machines and parts thereof. Pickwick Corporation. 407,986; July 11; Serial No. 466,803; published Apr. 18, 1944.
Shovels and spades. Skelton Shovel Company. 185,955; renewed July 1, 1944.
Shovels and spades. Skelton Shovel Company. 185,969; renewed July 1, 1944.
Spotfacers, counterbores, countersinks, etc. Wesson Company. 408,006; July 11; Serial No. 467,419; published Apr. 25, 1944.
Stencil cutting machines. Diagraph-Bradley Stencil Machine Corporation. 408,000; July 11; Serial No. 465,416; published Apr. 11, 1944.
Tools. Machinery Manufacturing Co. 407,961; July 11; Serial No. 464,580; published May 2, 1944.
Tools for dressing and trueing, Diamond pointed. Wheel Trueing Tool Company of Delaware. 407,972; July 11; Serial No. 466,240; published May 2, 1944.
Trucks, Self-propelled hoist. R. G. Le Tourneau, Inc. 407,985; July 11; Serial No. 466,799; published May 2, 1944.

CLASS 24

Laundry nets. Tingue, Brown & Co. 191,270–1; renewed Nov. 4, 1944.

CLASS 26

Containers and measures for liquids, Measuring. Dover Stamping & Manufacturing Company. 188,277; renewed Aug. 19, 1944.
Indicator for indicating the flow of a liquid. Davis Engineering Corporation. 408,014; July 11; Serial No. 467,716; published May 2, 1944.
Patterns, Paper dress. G. M. Laub. 408,008; July 11; Serial No. 467,526; published May 2, 1944.
Patterns, Paper dress. G. M. Laub. 408,009; July 11; Serial No. 467,528; published May 2, 1944.
Photographic paper and sensitized photographic film, Sensitized. Grant Photo Products, Inc. 408,042; July 11.

CLASS 27

Watches and parts thereof. E. H. Garriques. 408,044; July 11.
Watches and watch movements. Adolphe Schwob, Inc. 191,324; renewed Nov. 4, 1944.

CLASS 28

Buckles, Belt. Marathon Company. 191,274; renewed Nov. 4, 1944.
Necklaces, bracelets, earrings, etc. Coro, Inc. 407,969; July 11; Serial No. 466,004; published May 2, 1944.

CLASS 30

Dishes, flower pots and flower bowls, Ceramic. Fisher, Bruce & Company. 408,030; July 11.

CLASS 32

Book-ends. B. Cipes. 407,999; July 11; Serial No. 467,333; published May 2, 1944.
Mirrors, Hand. Florence Manufacturing Company. 185,089; renewed June 10, 1944.
Springs, mattresses, and pillows, Box. Schultz & Hirsch Co. 173,878; renewed Oct. 2, 1944.

CLASS 33

Glass caster cups. W. T. Hight Co. 191,134; renewed Nov. 4, 1944.

CLASS 34

Lighters, Pyrophoric. W. A. King. 407,989; July 11; Serial No. 466,917; published May 2, 1944.
Valves, Combination. Maxon Premix Burner Company. 408,025; July 11.

CLASS 35

Belting, Leather. Western Rawhide & Belting Co. 190,916; renewed Oct. 28, 1944.
Elastic vehicle tires. Goodyear Tire & Rubber Company. 188,959; renewed Sept. 9, 1944.

CLASS 36

Harmonicas. M. Hohner, Inc. 191,298; renewed Nov. 4, 1944.
Records, Phonograph. Decca Records, Inc. 407,975–6; July 11; Serial Nos. 466,325–6; published May 2, 1944.
Records, Phonograph. Signature Records Company. 408,037; July 11.
Records, Talking-machine. Compo Company, Limited. 190,698; renewed Oct. 21, 1944.

CLASS 37

Paper. A. R. Meeker & Company. 189,617; renewed Sept. 23, 1944.
Paper and mailing envelopes, Writing, and printing. Carew Manufacturing Company. 191,521; renewed Nov. 11, 1944.

CLASS 38

Booklets and folders. Goodyear Tire & Rubber Company. 186,110; renewed July 1, 1944.
Title of a periodical publication. Tilghman Moyer Company. 191,492; renewed Nov. 11, 1944.

CLASS 39

Belts, Trouser. M. Luftig. 407,968; July 11; Serial No. 465,987; published Apr. 18, 1944.
Boots and shoes. Kays-Newport, Inc. 407,988; July 11; Serial No. 466,895; published Apr. 18, 1944.
Chemises, pajamas, dresses, etc., Ladies'. I. Schneierson & Sons Inc. 408,032; July 11.
Coats and suits, Men's and women's. A. Sagner's Sons. 407,981; July 11; Serial No. 466,552; published Apr. 18, 1944.
Coats, vests, and pants, Men's. Rosenberg Bros. & Co. 185,600; renewed June 24, 1944.
Collars, pyjamas, nightrobes, etc., Men's and boys'. H. Berger. 190,142; renewed Oct. 7, 1944.
Collars, pyjamas, night robes, etc., Men's and boys'. H. Berger. 190,098; renewed Oct. 7, 1944.
Gloves. Waldorf Knitting Company. 407,963; July 11; Serial No. 465,217; published Apr. 18, 1944.
Hosiery, sweaters, and knitted underwear. Heyman & Bissinger Co. 191,550; renewed Nov. 11, 1944.
Overcoats, coats, vests, and pants, Men's. Rosenberg Bros. & Co. Inc. 186,308; renewed July 8, 1944.
Shirts and blouses, Boys'. C. P. Gordon. 180,037; renewed Feb. 19, 1944.
Shirts, men's sport shirts, dress shirts, etc. Lebanon Shirt Company. 408,027; July 11.
Shoes. R. A. Burke. 407,977; July 11; Serial No. 466,403; published Apr. 18, 1944.
Shoes. Joseph P. Famolare, Inc. 407,983; July 11; Serial No. 466,610; published Apr. 18, 1944.
Suits, Men's. Weber & Heilbroner. 186,528; renewed July 22, 1944.
Wearing apparel, Men's, women's, and boys'. Marcus Breier's Sons. 407,965; July 11; Serial No. 465,611; published Apr. 18, 1944.

CLASS 40

Beaded bags, medallions, horn buttons, etc. Indian Arts and Crafts Board. 408,004; July 11; Serial No. 467,085; published May 2, 1944.
Ornaments, Lapel, and dress and coat. T. Houts. 407,995; July 11; Serial No. 467,279; published May 2, 1944.

CLASS 42

Laces, netted and lace fabrics. D. E. Schwab & Company. 185,804; renewed June 24, 1944.
Piece goods, Cotton. Carnac Cottons, Inc. 407,978; July 11; Serial No. 466,503; published Mar. 28, 1944.
Towels, Turkish. H. W. Baker Linen Company. 191,130; renewed Nov. 4, 1944.

CLASS 44

Denture liners. Reliance Dental Mfg. Co. 408,019; July 11; Serial No. 467,817; published May 2, 1944.

CLASS 46

Canned beans, canned chili con carne straight, etc. D. C. Blacker. 184,552; renewed May 27, 1944.
Canned fish. Franco-Italian Packing Corp. 407,947; July 11; Serial No. 436,171; published Nov. 19, 1940.
Canned fish. M. J. & H. J. Meyer Co. 407,948; July 11; Serial No. 444,796; published May 2, 1944.
Canned fruits and canned vegetables. Sunny South Packing Company. 185,178; renewed June 10, 1944.
Canned green sea turtle meat and soup. N. Thompson. 408,011; July 11; Serial No. 467,577; published May 2, 1944.
Canned salmon. Hodgson and Company Limited. 178,589; renewed Jan. 15, 1944.
Canned salmon. Hodgson and Company Limited. 178,796; renewed Jan. 29, 1944.
Cereal food products. Minkota Milling Co. 25,513; renewed Nov. 13, 1944.
Chocolate syrup. Blu Moon Food Products, Inc. 407,998; July 11; Serial No. 467,332; published May 2, 1944.
Condiments, pickles, relishes, canned evaporated milk, boxed rolled oats, etc., Bottled. M. Pinkus. 184,075; renewed May 20, 1944.
Cream, butter, ice cream, etc., Certified. Supplee-Wills-Jones Milk Company. 186,850; renewed July 22, 1944.
Extracts for food-flavoring purposes. Joannes Brothers Company. 186,532; renewed July 22, 1944.
Feed, Animal. R. O. Klepinger. 184,650; renewed May 27, 1944.
Flour, barley flour, oat flour, etc., Wheat. Veda Limited. 407,954; July 11; Serial No. 459,454; published May 2, 1944.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 183,944; renewed May 13, 1944.
Food product consisting of sugar combined with dry skim milk, dry whole milk, cocoa and malt. S. A. Marshak. 188,223; renewed Aug. 19, 1944.
Fruits and dates, Fresh citrus. M. D. Gardner. 408,028; July 11.
Fruits, Fresh citrous. Lakeland Highlands Citrus Growers Ass'n. 186,748; renewed July 22, 1944.
Fruits, marshmallow topping, nuts, etc., Preserved. Whipple Company. 407,973; July 11; Serial No. 466,243; published Mar. 28, 1944.
Mayonnaise and Thousand Island salad dressing. Leston Company. 188,154; renewed Aug. 19, 1944.
Melons, Fresh. A. Pittman. 408,033; July 11.
Mixture of soy flour, buttermilk and whey, Dried. Borden Company. 408,020; July 11; Serial No. 467,871; published May 2, 1944.
Oil and canned anchovies, Olive. A. Russo. 172,064; renewed Aug. 21, 1944.
Olives in cans. G. Oberti & Sons. 408,029; July 11.
Peanut butter. Cinderella Foods. 407,993; July 11; Serial No. 467,232; published May 2, 1944.
Peanut butter. Cinderella Foods. 408,016; July 11; Serial No. 467,752; published May 2, 1944.
Preparation for making puddings and desserts. B. G. Gold. 407,946; July 11; Serial No. 425,215; published May 2, 1944.
Preparation of cocoa, chocolate, sugar, and milk in powdered form. Murray Company. 184,652; renewed May 27, 1944.
Tomato paste. J. Di Santo. 190,672; renewed Oct. 21, 1944.
Tomato paste. V. Taormina & Co. 186,862; renewed July 22, 1944.
Walnuts in the shell. Wm. A. Higgins & Co. 191,562; renewed Nov. 11, 1944.

CLASS 50

Closures for receptacles. Crown Cork and Seal Company of Baltimore City. 191,514; renewed Nov. 11, 1944.
Leather, Artificial. Richards, Boggs & King, Inc. 408,017; July 11; Serial No. 467,770; published May 2, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bridges, Frank R., Needham, assignor to The Gamewell Company, Newton Upper Falls, Mass. Signal apparatus. Re. 22,514; July 11.
Gamewell Company, The. (See Bridges, Frank R., assignor.)
Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake shoe mounting. Re. 22,515; July 11.
Topp, Fred J., Springfield, Ohio. Smoking pipe. Re. 22,516; July 11.
Wagner Electric Corporation. (See Schnell, Steve, assignor.)

LIST OF DESIGN PATENTEES

Almdale, Einar, Rocky River, Ohio. Slack adjuster for brakes or the like. 138,238; July 11.
Anderson, Fred E., Taft, Oreg. Swivel body element. 138,239; July 11.
Anderson, Fred E., Taft, Oreg. Swivel body member. 138,240; July 11.
Anderson, Fred E., Taft, Oreg. Swivel body element. 138,241; July 11.
Andres, Lloyd J., assignor to Permo, Incorporated, Chicago, Ill. Phonograph stylus. 138,275; July 11.
Andres, Lloyd J., assignor to Permo, Incorporated, Chicago, Ill. Phonograph stylus. 138,276; July 11.
Atkinson, Robert L., Lockport, N. Y. Pencil eraser or similar article. 138,296; July 11.
Badger Cut Outs, Inc. (See Ostrander, Robert K., assignor.)
Baker, John B., assignor to The Timken Roller Bearing Company, Canton, Ohio. Drill bit. 138,242; July 11.
Beardsley & Piper Company, The. (See Piper, W. F., and Soldat, assignors.)
Beck, Simon, New York, N. Y. Coat. 138,303; July 11.
Behr, Siegfried, Flushing, N. Y. Comb. 138,243; July 11.
Bendix, Juliette, and E. Halouze, New York, N. Y. Eyeglass frame. 138,219; July 11.
Benson, Robert H., Minneapolis, and D. Root, St. Paul, Minn. Bridge scorer. 138,220; July 11.
Berkow, Murray, Flushing Heights, N. Y., assignor to Republic Aviation Corporation. Combination aircraft canopy and windshield. 138,277; July 11.
Berman, Philip, New York, N. Y. Liquid eductor. 138,244; July 11.
Boynton, Earl S., East Orange, N. J. Bicycle. 138,304; July 11.
Bradley, Ralph A., Minneapolis, Minn. Trailer tank. 138,245; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,246; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,247; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,248; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,249; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,250; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,251; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,257; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,258; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,259; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,260; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,261; July 11.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,262; July 11.
Camerle, Alexander, New York, N. Y. Alpaca fur slipper. 138,221; July 11.
Camerle, Alexander, New York, N. Y. Alpaca fur and lambskin slipper. 138,222; July 11.
Del Re, Angelo, New York, N. Y. Coat. 138,305; July 11.
Eaves Sound Projectors, Inc. (See Eaves, William C., assignor.)
Eaves, William C., Elyria, Ohio, assignor to Eaves Sound Projectors, Inc., Dover, Del. Mobile sound projector. 138,297; July 11.
Elnson-Freeman Co. (See Horr, John V., assignor.)
Fibro Container Corporation. (See Weireter, Frank L., assignor.)
Freedman, Leonard I., New York, N. Y. Embossed leather. 138,263; July 11.
Freedman, Leonard I., New York, N. Y. Embossed leather. 138,264; July 11.
Freedman, Leonard I., New York, N. Y. Embossed leather or similar article. 138,265; July 11.
Fuchs, Kay, New York, N. Y. Head scarf. 138,306; July 11.
G. G. Patent Company, The. (See Grunberg, George, assignor.)
Gerson, Samuel L., Bridgeton, N. J. Ash tray. 138,298; July 11.
Glenn, Alfred W., Chicago, Ill. Game board. 138,223; July 11.
Golub, Arthur A., Malverne, and Z. Hartmann, Baldwin, N. Y. Tax calculator. 138,224; July 11.
Gruber, Abe, New York, N. Y. Suit. 138,307; July 11.
Gruber, Abe, New York, N. Y. Coat. 138,308; July 11.
Grunberg, George, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio. Bottle. 138,278; July 11.
Grunberg, George, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio. Bottle. 138,279; July 11.
Grunberg, George, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio. Bottle stopper. 138,280; July 11.
Grunberg, George, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio. Combined bottle and stopper. 138,281; July 11.
Guenther, Walter J., Ft. Madison, Iowa. Carton opener or similar article. 138,266; July 11.
Halouze, Edouard. (See Bendix, J., and Halouze.)
Hartmann, Zoltan. (See Golub, A. A., and Hartmann.)
Honeyman, William A., San Francisco, Calif. Spirit level. 138,226; July 11.
Horr, John V., North Tarrytown, assignor to Elnson-Freeman Co., Inc., Long Island City, N. Y. Educational device. 138,225; July 11.
Illinois Lumber Company. (See Jones, Walter, assignor.)
Jones, Robert D., Charleston, W. Va. Smoking pipe blaster. 138,287; July 11.
Jones, Walter, assignor to Illinois Lumber Company, Incorporated, Edwardsville, Ill. Child's toilet chair. 138,252; July 11.
Kemper, Adolph M., Larchmont, N. Y. Textile fabric. 138,253; July 11.
Kemper, Adolph M., Larchmont, N. Y. Textile fabric. 138,254; July 11.
Kritzler, Dan, New York, N. Y. Earring or similar article. 138,299; July 11.
Kouvallis, Theodore P., Chicago, Ill. Coffee straining container. 138,227; July 11.
LaClair, Norman W., Forest Lake, Minn. Projectile. 138,288; July 11.
Lear Avia, Inc. (See Lear, William P., assignor.)
Lear, William P., assignor to Lear Avia, Inc., Piqua, Ohio. Power unit with limit switch control. 138,289; July 11.
Mariani, Joy, New York, N. Y. Sewing accessory or similar article. 138,255; July 11.
McCammon, James N., Dallas, Tex. Wall tile. 138,256; July 11.

McCord Radiator & Mfg. Co. (See Springwell, Juan, assignor.)
Micro Switch Corporation. (See Ransome, Stafford G., assignor.)
Minchenberg, David, New York, N. Y. Dress. 138,282; July 11.
Nudelman, Eolna, Chicago, Ill. Toy erector block. 138,228; July 11.
Nudelman, Eolna, Chicago, Ill. Toy animal block. 138,229; July 11.
Nudelman, Eolna, Chicago, Ill. Infant's suspension bar toy. 138,230; July 11.
Ostrander, Robert K., South Orange, N. J., assignor to Badger Cut Outs, Inc., Maspeth, Long Island, N. Y. Puppet toy. 138,290; July 11.
Ostrander, Robert K., South Orange, N. J., assignor to Badger Cut Outs, Inc., Maspeth, Long Island, N. Y. Puppet toy. 138,291; July 11.
Ostrander, Robert K., South Orange, N. J., assignor to Badger Cut Outs, Inc., Maspeth, Long Island, N. Y. Puppet toy. 138,292; July 11.
Ostrander, Robert K., South Orange, N. J., assignor to Badger Cut Outs, Inc., Maspeth, Long Island, N. Y. Puppet toy. 138,293; July 11.
Ostrander, Robert K., South Orange, N. J., assignor to Badger Cut Outs, Inc., Maspeth, Long Island, N. Y. Puppet, toy. 138,294; July 11.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,267; July 11.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,268; July 11.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,269; July 11.
Permo, Incorporated. (See Andres, Lloyd J., assignor.)
Piper, Walter F., and J. J. Soldat, assignors to The Beardsley & Piper Company, Chicago, Ill. Wheelbarrow. 138,300; July 11.
Quaker Lace Company. (See Otto, Ferdinand P., assignor.)
Quaker Lace Company. (See Wolf, William, assignor.)
Ransome, Stafford G., assignor to Micro Switch Corporation, Freeport, Ill. Switch actuator. 138,283; July 11.
Republic Aviation Corporation. (See Berkow, Murray, assignor.)
Root, Dean. (See Benson, R. H., and Root.)
Ryan, Ronnye, St. Louis, Mo. Dress. 138,284; July 11.
Schneiderwind, Lawrence O., Omaha, Nebr. Electric ground clamp or similar article. 138,285; July 11.
Shapiro, Samuel B., Mattapan, Mass. Pin or the like. 138,270; July 11.
Soldat, Joseph J. (See Piper, W. F., and Soldat.)
Springwell, Juan, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Combined electric roaster and cooker. 138,271; July 11.
Taylor, Eldridge B., Cleveland, Ohio. Target game board. 138,272; July 11.
Timken Roller Bearing Company, The. (See Baker, John B., assignor.)
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 138,231; July 11.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 138,232; July 11.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 138,233; July 11.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 138,234; July 11.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 138,235; July 11.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 138,236; July 11.
United Wall Paper Factories, Inc. (See Burton, William, assignor.)
Walther, John L., New York, N. Y. Woven textile fabric. 138,301; July 11.
Walther, John L., New York, N. Y. Woven textile fabric. 138,302; July 11.
Weireter, Frank L., assignor to Fibro Container Corporation, Minneapolis, Minn. Toy. 138,237; July 11.
Whiteford, Errington A., Darien, Conn. Paper or the like. 138,273; July 11.
Wilen, Charles H., Laguna Beach, Calif. Swimmer's mask. 138,286; July 11.
Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,274; July 11.
Wood, Eleanor R., Beverly Hills, Calif. Ash tray or the like. 138,295; July 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Paul D., Roslindale, and M. W. Graney, Jamaica Plain, Mass., assignors to J. Chapin, H. S. Frazer, and J. MacGregor, as co-trustees. Hospital incubator. 2,353,536; July 11.
Actiengesellschaft Joh. Jacob Rieter & Cie. (See Hess, Heinrich O., assignor.)
Adam, Frederick B., St. Louis County, and H. M. Stieglitz, St. Louis, Mo. Wire duct. 2,353,121; July 11.
Adler, Charles, Jr., Baltimore, Md. Aircraft precision flight indicator. 2,353,380; July 11.
Agar, Thomas J., et al. (See Gray, James D. M., assignor.)
Ahlstrand, David A. (See Gillet, W., Morris, and Ahlstrand.)
Akin, Clarence C., assignor to J. D. Akin, Seminole, Okla. Tire pressure indicator. 2,353,428; July 11.
Akin, J. D. (See Akin, Clarence C., assignor.)
Algin Corporation of America. (See Le Gloahec, Victor C. E., assignor.)
Alien Property Custodian. (See Conradty, O., and Zöllner.)
Alien Property Custodian. (See Corset, Lucien A. M.)
Alien Property Custodian. (See Cramwinckel, A., and Dippel.)
Alien Property Custodian. (See Muller, Egon N.)
Alien Property Custodian. (See Rupp, Albert.)
Alien Property Custodian. (See Vancoppenolle, Jean.)
Allderige Corporation, The. (See Allderige, Kenneth, assignor.)
Allderige, Kenneth, West Haven, assignor to The Allderige Corporation, New Haven, Conn. Rail-lifting device. 2,353,381; July 11.
Allied Chemical & Dye Corporation. (See Brown, William B., assignor.)
Allied Chemical & Dye Corporation. (See Harris, John M., Jr., assignor.)
Allied Latex Corporation. (See Maywald, Frederick J., Jr., assignor.)
American Can Company. (See Nordquist, Ronald E. J., assignor.)
American Can Company. (See Sundell, Knute, assignor.)
American Car and Foundry Company. (See Joy, Robert W., assignor.)
American Cyanamid Company. (See Grim, J. M., and Niedercorn, assignors.)
American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
American Paper Bottle Company, The. (See Spurr, Robert, assignor.)
American Stove Company. (See Stockstrom, A., and Eichelsbach, assignors.)
Anderson, William R., Chicago, Ill. Manufacturing barrels. 2,353,134; July 11.
Andrews, Edward F., Chicago, Ill., assignor to Radio Corporation of America. Vibrator power supply for radio receivers. 2,353,429; July 11.
Arden, Thomas R., Danbury, Conn. Fuel and air regulating means for engines. 2,353,430; July 11.
Arden, Thomas R., Danbury, Conn. Propeller mounting means construction. 2,353,431; July 11.
Arnesen, Walter A., New York, assignor to National Electric Instrument Co. Inc., Long Island City, N. Y. Diagnostic headsets. 2,353,537; July 11.
Arrington, Conrad J., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Apparatus for forming cords. 2,353,432; July 11.
Atlantic Refining Company, The. (See Gzemski, Flex C., assignor.)
Auberschek, Joseph F., Milwaukee, Wis. Fluid filter. 2,353,433; July 11.
Austin, Ellsworth W., assignor to La Plant-Choate Mfg. Co., Inc., Cedar Rapids, Iowa. Earth mover. 2,353,120; July 11.
Automatic Electric Laboratories, Inc. (See Balzer, Harvey W., assignor.)
Automatic Telephone & Electric Company Limited. (See Simpson, L. M., and Woodland, assignors.)
Automotive Products Company Limited. (See Gates, Geoffrey R. G., assignor.)
Autoyre Company, The. (See Sanford, Roy S., assignor.)
Bade, Alfred G., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,353,136; July 11.
Bagnall, Edwin. (See Lyman, K. E., and Bagnall.)
Bakelite Corporation. (See Ducca, Frederick W., assignors.)
Bakelite Corporation. (See Turkington, V. H., Whiting, and Rankin, assignors.)
Ballou, B. A., & Co. (See Morehouse, Eugene, assignor.)
Balzer, Harvey W., Downers Grove, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system. 2,353,212; July 11.
Bank of America National Trust and Savings Association et al., executors. (See Replogle, Daniel B.)
Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Change-speed transmission. 2,353,137; July 11.
Barber, Harry J., Gidea Park, Romford, assignor to May & Baker Limited, Dagenham, Essex, England. Preparation of dicyanostilbenes. 2,353,434; July 11.
Barber, Hervey H., St. Paul, Minn. Apparatus for controlling gaseous atmosphere. 2,353,538; July 11.
Barnhart, Walter J., Huntington Beach, Calif. Side sampler for deep wells. 2,353,435; July 11.
Barrett, George J., Houston, Tex. Milling tool. 2,353,284; July 11.
Barrett, Wilmer D., Reading, assignor to Whiting Milk Company, Charlestown, Mass. Timing method and apparatus. 2,353,382; July 11.
Bartsch, Albert, Chicago, Ill. Baby hot plate. 2,353,383; July 11.
Beach, Edward J., Brooklyn, N. Y. Oil, moisture, and gas separator. 2,353,138; July 11.
Beach, Lennox F., Port Washington, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Shaft mounting. 2,353,139; July 11.
Beach, Stewart H., Iroquois, Ontario, Canada. Article grading device. 2,353,539; July 11.
Belanger, Albert P., Chicago, Ill. Fastening device. 2,353,140; July 11.
Bell, Joseph D., San Francisco, Calif. Power transmitting device. 2,353,285; July 11.
Bender, John, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Connector clip. 2,353,286; July 11.
Bendix Aviation Corporation. (See Nardone, Romeo M., assignor.)
Bendix Aviation Corporation. (See Roberts, Jean M., assignor.)
Bendix Aviation Corporation. (See Taylor, R. G., and Honeywell, assignors.)
Bendix Home Appliances, Inc. (See Schulz, Arthur P., assignor.)
Benesh, Matthew E., Chicago, assignor to Chicago By-Products Corporation, Chicago, Ill. Detecting and measuring leakage in gas lines. 2,353,287; July 11.
Benjamin, Sidney H., Milwaukee, Wis. Razor blade magazine. 2,353,141; July 11.
Bennett, Claude C., South Bend, Ind. Reaction testing mechanism. 2,353,213; July 11.
Bennewitz, Richard G., Jersey City, N. J., assignor to Crucible Steel Company of America, New York, N. Y. Apparatus for rolling strip metal. 2,353,288; July 11.
Bennewitz, Richard G., Jersey City, N. J., assignor to Crucible Steel Company of America, New York, N. Y. Method and apparatus for rolling strip metal. 2,353,289; July 11.
Bennewitz, Richard G., Jersey City, N. J., assignor to Crucible Steel Company of America, New York, N. Y. Apparatus for rolling strip metal. 2,353,290; July 11.
Benson, Arthur E., South Attleboro, Mass. Loom feeler mechanism. 2,353,540; July 11.
Berg, Charles A., Stockholm, S. Dak. Combined door check and closer. 2,353,384; July 11.
Bertram, John, & Sons, Co. Limited, The. (See Knutzen, Max T., assignor.)
Bigley, William J., Jr., Weehawken, N. J. Tank. 2,353,122; July 11.
Blaney, Eric A., Curly Hill, assignor to The English Electric Company Limited, London, England. Driving means for electrically propelled vehicles. 2,353,436; July 11.
Blanchard, Loring W., Jr. (See Malm, C. J., and Blanchard.)
Blickman, Bernard I., New York, N. Y. Producing simulated stocking seams. 2,353,291; July 11.
Bliss, E. W., Company. (See Cannon, Earl, assignor.)
Bobst, Henri, Lausanne, Switzerland. Automatic blank feeder. 2,353,214; July 11.
Bobst, Henri, and J. Küry, Lausanne, assignors to J. Bobst & Fils S. A., Prilly, Switzerland. Platen press for the working of blanks, such as cardboard blanks. 2,353,215; July 11.
Bobst, J., & Fils S. A. (See Bobst, H., and Küry, assignors.)
Bock, George E., Chicago, assignor to Whiting Corporation, Harvey, Ill. Electric traveling hoist. 2,353,437; July 11.

Bodden, William H., York, Pa. Spool structure. 2,353,216; July 11.

Boisseau, Alexander C. (See Gayer, J. D., Frank, and Boisseau.)

Bokum, William F., Jenkintown, and J. W. Weber, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Compensator for automatic feeds. 2,353,541; July 11.

Bordon Mfg. Co. (See Bourque, Philip, assignor.)

Boucher, Charles P., Paterson, N. J., assignor to Boucher Inventions, Ltd., Washington, D. C. Adjustable transformer. 2,353,542; July 11.

Boucher Inventions, Ltd. (See Boucher, Charles P., assignor.)

Bourcier, Charles D., Grafton, Mass. Munitions and tactical use of the same. 2,353,386; July 11.

Bourque, Philip, assignor to Bordon Mfg. Co., Inc., Detroit, Mich. Electrode holder. 2,353,123; July 11.

Bowen, Judson P. (See Swann, Lewis H.)

Boyle, Jasper R., Maricopa County, Ariz. Saddle construction. 2,353,622; July 11.

Bradley & Gilbert Company, The. (See Vatter, Clifford C., assignor.)

Breese, James, assignor to Oil Devices, Santa Fe, N. Mex. Pot type burner and the delivery of secondary air. 2,353,438; July 11.

Breese, James L., Santa Fe, N. Mex., and M. D. Huston, Chicago, Ill., assignors to Oil Devices, Santa Fe, N. Mex. Pilot support and air feed for pot type burners. 2,353,439; July 11.

Breese, Paul K., Champaign, Ill. Automatic parachute opening device. 2,353,440; July 11.

Brewer, Pearl H. (See Kraybill, H. R., Brewer, and Thornton.)

Briggs, Ernest B., Dubuque, Iowa, assignor of one-fourth to G. Jolley, Flossmoor, Ill., one-fourth to I. Harris, and one-fourth to D. Davis, Dubuque, Iowa. Clip and pencil holder. 2,353,385; July 11.

Britton, Edgar C., and J. E. Eisenman, assignors to The Dow Chemical Company, Midland, Mich. Purification of phenothiazine. 2,353,292; July 11.

Brockhurst, James B., Red Bank, N. J. Self-sharpening safety razor. 2,353,142; July 11.

Brooking, Edgar C., Toccoa, Ga., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Industrial shock absorber. 2,353,293; July 11.

Brown, Arthur B., Inglewood, Calif. Adjusting mechanism for window sashes. 2,353,217; July 11.

Brown, William B., Westmont, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Removing toluene from p-toluene sulphonic acid. 2,353,441; July 11.

Brusset, Jean A., Blairmore, Alberta, Canada. Apparatus for classifying and separating particles of materials of different specific gravities. 2,353,543; July 11.

Bryant, Austin U., Berkeley, Calif., assignor to Fluid Control Engineering Co. Fluid flow control device. 2,353,143; July 11.

Bryant, Carleton E., Jr. (See Patten, C. M., and Bryant, Jr.)

Buffalo Electro-Chemical Company. (See Kauffmann, H. O., and Shanley, assignors.)

Bullock, Laurie H., et al., executors. (See Replogle, Daniel B.)

Burgess, Frank E., assignor to Burgess-Norton Manufacturing Company, Geneva, Ill. Endless track tread. 2,353,124; July 11.

Burgess-Norton Manufacturing Company. (See Burgess, Frank E., assignor.)

Burnham, Bradshaw, and E. Hoag, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic printing apparatus. 2,353,218; July 11.

Burns, Louis G. (See Roth, J. M., and Burns.)

Burroughs, Samuel G. (See Corkery, F. W., and Burroughs.)

Caccia, Pio, Chicago, Ill. Restrainer composition for development of photographs. 2,353,544; July 11.

Cadet Smoke Stands Company. (See Fletcher, Maurice J., assignor.)

Callaway, Edward C., and R. G. Rosenstiel, Corvallis, Oreg. Composition toxic to lower forms of life. 2,353,442; July 11.

Camera Supply Company. (See Kaprelian, Edward K., assignor.)

Canney, Duncan E. F., Bentham, assignor to The Sillick Holding Company, Limited, Newcastle-upon-Tyne, Northumberland, England. Manufacture of hose pipes. 2,353,387; July 11.

Cannon, Earl, Rockville Centre, assignor to E. W. Bliss Company, Brooklyn, N. Y. Apparatus for controlling the slide movement in long-bed hydraulic presses. 2,353,388; July 11.

Cannon, Earl, Rockville Center, assignor to E. W. Bliss Company, Brooklyn, N. Y. Apparatus for controlling the slide movement in long-bed hydraulic presses. 2,353,389; July 11.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Film processing machine. 2,353,219; July 11.

Carbide and Carbon Chemicals Corporation. (See Rugeley, E. W., Feild, and Conlon, assignors.)

Carbide and Carbon Chemicals Corporation. (See Schuh, Charles H., assignor.)

Carlin, Morton A., New York, N. Y. Ribbon cutting apparatus. 2,353,390; July 11.

Carlson, Bert G. (See Heintz, R. M., and Carlson.)

Carnegie-Illinois Steel Corporation. (See Greulich, Gerald G., assignor.)

Carpenter, John A., Long Beach, and M. E. McGill, Burbank, Calif. Cylindrical work hanger. 2,353,443; July 11.

Carpnail, Arthur B., Lorain, Ohio. Apparatus for cleaning pipe. 2,353,125; July 11.

Carrier Corporation. (See Carrier, Willis H., assignor.)

Carrier, Willis H., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning system. 2,353,144; July 11.

Caserta, Michele, Detroit, Mich., assignor to Thompson Products Incorporated, Cleveland, Ohio. Fluid transfer mechanism. 2,353,545; July 11.

Catt, Leslie Herbert. (See Marshall, W. J., and Catt.)

Cecil, Willard, Parker, Ind. Hog feeder. 2,353,126; July 11.

Century Electric Company. (See Hamilton, James L., assignor.)

Chamberlain, George H., Jr., San Jose, Calif. X-ray machine. 2,353,145; July 11.

Chapin, John, et al., trustee. (See Abbott, P. D., and Graney, assignors.)

Charlop, Elliott, New York, N. Y. Canopy hammock. 2,353,220; July 11.

Cheasley, Gordon L., Westfield, N. J. Automatic heating system. 2,353,146; July 11.

Cheney, Harold W. (See Dalzell, C. B., and Cheney.)

Cheney Weeder Company. (See Miller, Oscar E., assignor.)

Cherry-Burrell Corporation. (See Dalzell, C. B., and Cheney, assignors.)

Chicago By-Products Corporation. (See Benesh, Matthew E., assignor.)

Chicago Pneumatic Tool Company. (See Fischer, Howard R., assignor.)

Chisholm, Harry L., Jr. (See Magrum, G. M., Chisholm, Jr., and Hodge.)

Chisholm, Harry L., Jr., Buffalo, N. Y. Oil cooler controlling structure. 2,353,610; July 11.

Chisholm, Harry L., Jr., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Oil cooler controlling structure. 2,353,546; July 11.

Clarione, Joseph, Fitchburg, Mass. Shears. 2,353,294; July 11.

Clifton, Percy, Union City, and E. C. Keseler, Carlstad, N. J. Auto body wrecking press. 2,353,221; July 11.

Conant, David J. (See Heintz, R. M., and Conant.)

Conlon, John F. (See Rugeley, E. W., Feild, and Conlon.)

Conradty, Ottmar, Rothenbach-on-the-Pegnitz, and H. Zöllner, Lauf-on-the-Pegnitz, Germany; vested in the Alien Property Custodian. Connection of carbon bodies. 2,353,444; July 11.

Consolidated Car-Heating Company. (See Tonceda, E. G., and Wilbur, assignors.)

Constant Speed Airscrews Limited. (See Marshall, Frederick G., assignor.)

Cook, Melvin A., and C. O. Davis, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. High-density explosive charge. 2,353,147; July 11.

Coolbroth, Augusta P., Springfield, Mass. Purse, handbag, or the like. 2,353,222; July 11.

Connell, Frank H. R., et al. (See Woodhull, Frederick W., assignor.)

Continental Motors Corporation. (See Ginn, Earl, assignor.)

Corkery, Frank W., Crafton, and S. G. Burroughs, Pittsburgh, assignors to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Purification of styrene still bottoms. 2,353,223; July 11.

Corning Glass Works. (See Nordberg, Martin E., assignor.)

Corset, Lucien A. M., Paris, France; vested in the Alien Property Custodian. Remote reading electric indicator gauge. 2,353,148; July 11.

Cotton, Aubrey P., St. Matthews, S. C. Drawer attachment for automobiles. 2,353,391; July 11.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Folding and delivery mechanism. 2,353,445; July 11.

Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,353,392; July 11.

Craidon, George, et al. (See Klonaris, John, assignor.)

Cram Company, The. (See Cram, Hervey G., assignor.)

Cram, Hervey G., assignor to The Cram Company, Inc., Appleton, Wis. Thin stock regulator. 2,353,149; July 11.

Cramwinckel, Arnaul, and C. J. Dippel, Eindhoven, Netherlands; vested in the Alien Property Custodian. Device for mechanical recording. 2,353,547; July 11.

Cravitz, Phillip, Jr. (See MacLean, D., Eldridge, and Cravitz.)

Crown Cork & Seal Company. (See Stewart, R. J., and Rever, assignors.)

Crown Cork & Seal Company. (See Stewart, R. J., and Franz, assignors.)

Crown Cork Specialty Corporation. (See Hobbs, Charles, assignor.)

Crucible Steel Company of America. (See Bennewitz, Richard G., assignor.)

Cuban-American Manganese Corporation. (See Trotter, Frank, assignor.)

Curby, Bernard C., et al. (See Klonaris, John, assignor.)

Curtis Manufacturing Company. (See Gygax, Ernest, assignor.)

Dalton, Alfred J., assignor to Industrial Sheet Metal Works, Inc., Detroit, Mich. Air washing apparatus. 2,353,548; July 11.

Dalzell, Charles B., and H. W. Cheney, Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Chicago, Ill. Valve. 2,353,549; July 11.

Darward & Sons Company. (See Dexter, Fred S., assignor.)

Davidson, Herman F., Sioux City, Iowa. Internal-combustion engine. 2,353,446; July 11.

Davis, Allan C., Baltimore, Md. Inspection apparatus. 2,353,127; July 11.

Davis, Clyde O. (See Cook, M. A., and Davis.)

Davis, Dorothy, et al. (See Briggs, Ernest B., assignor.)

Davis, Marjorie E. (See Johnson, Clarence M., assignor.)

Day, Glenn K., Washington, D. C. Drill bushing. 2,353,295; July 11.

De Forest, Alfred V., Marlboro, N. H., and F. B. Doane, Wilmette, assignors to Magnaflux Corporation, Chicago, Ill. Permanent magnet. 2,353,550; July 11.

Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)
assignor.)
assignor.)

Demetropoulos, John G., Milwaukee, Wis. Cable slicer. 2,353,128; July 11.

De Mona, Joseph A., Warren Point, N. J. Surgical cast-supported finger exerciser. 2,353,129; July 11.

Dester, William F. (See Spanel, A. N., and Dester.)

Detroit Lubricator Company. (See Millerwise, Carl H., assignor.)

De Walt Products Corporation. (See Schutz, Ewald, assignor.)

De Witt, Walter M., Sr. (See Driscoll, J., and De Witt.)

Dexter, Fred S., Berkeley, Calif., assignor to Darward & Sons Company. Evaporator. 2,353,551; July 11.

Dietz, Thomas J., Philadelphia, Pa. Bullet spinning machine. 2,353,150; July 11.

Dippel, Cornelis J. (See Cramwinckel, A., and Dippel.)

Disse, Josef A., Detroit, Mich. Scraper. 2,353,296; July 11.

Doane, Foster B. (See de Forest, A. V., and Doane.)

Doherty, Arthur, Los Angeles, Calif. Producing structural elements. 2,353,447; July 11.

Donath, William E., Philadelphia, Pa. Adjustable pin gauge. 2,353,297; July 11.

Dorfman, Irving, assignor to Federal Carton Corporation, New York, N. Y. Folding box and blank for making same. 2,353,298; July 11.

Dorst, James A., United States Army, Geiger Field, Wash. Cargo handling apparatus. 2,353,135; July 11.

Doumani, Thomas F. (See Kobe, K. A., and Doumani.)

Dow Chemical Company, The. (See Britton, E. C., and Eisenman, assignors.)

Dow Chemical Company, The. (See Stone, John B., assignor.)

Drake, William H. H. (See Mills, D. E., Drake, and Laubach.)

Draper Corporation. (See Foster, Harry E., assignor.)

Dravneek, Paul E., assignor to Induction Heating Corp., New York, N. Y. Induction heating apparatus. 2,353,130; July 11.

Drennan, Harry E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Process and catalysts for the isomerization of hydrocarbons. 2,353,552; July 11.

Dreyfus, Camille, New York, N. Y. Screen. 2,353,224; July 11.

Dreyfus, Camille, New York, N. Y. Window screen. 2,353,225; July 11.

Driscoll, James, Plainfield, and W. M. De Witt, Sr., Somerville, N. J., assignors to Johns-Manville Corporation. Metallic packing. 2,353,226; July 11.

Drotning, Henry O., assignor to Eastman Kodak Company, Rochester, N. Y. Camera adjusting mechanism. 2,353,227; July 11.

Ducca, Frederick W., Butler, N. J., assignor to Bakelite Corporation, New York, N. Y. Polystyrene molding compositions. 2,353,228; July 11.

Dunn, George E., assignor to Universal Products Company Incorporated, Dearborn, Mich. Universal joint. 2,353,299; July 11.

Dunn, George E., assignor to Universal Products Company Incorporated, Dearborn, Mich. Universal joint. 2,353,300; July 11.

Du Pont, E. I. de Nemours & Company. (See Cook, M. A., and Davis, assignors.)

Du Pont, E. I., de Nemours & Company. (See Miller, Charles F., assignor.)

Durkee, Maurice M., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Hydrogenation of oil. 2,353,229; July 11.

Eagle, John H. (See Simmons, A. B., and Eagle.)

Eastman Kodak Company. (See Burnham, B., and Hoag, assignors.)

Eastman Kodak Company. (See Capstaff, John G., assignor.)

Eastman Kodak Company. (See Drotning, Henry O., assignor.)

Eastman Kodak Company. (See Hughey, Carter J., assignor.)

Eastman Kodak Company. (See Hull, David C., assignor.)

Eastman Kodak Company. (See Malm, C. J., and Blanchard, assignors.)

Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)

Eastman Kodak Company. (See Peterson, W. D., and Weissberger, assignors.)

Eastman Kodak Company. (See Simmons, A. B., and Eagle, assignors.)

Eastman Kodak Company. (See Swan, D. R., and Lindquist, assignors.)

Eastman Kodak Company. (See Vittum, P. W., Peterson, and Porter, assignors.)

Edlich, William, Dover, N. J. Variable-speed power transmission. 2,353,448; July 11.

Eichelsbach, George P., Jr. (See Stockstrom, A., and Eichelsbach.)

Elson-Freeman Co. (See Horr, John V., assignor.)

Eisenman, Joseph E. (See Britton, E. C., and Eisenman.)

Eldridge, James E. (See McLean, D., Eldridge, and Cravitz.)

Electrolux Corporation. (See Mott, Garret, Jr., assignor.)

Elliott, Laverne P. (See Shiffler, William H.)

Elsenheimer, Charles W., assignor, by mesne assignments, to Manning, Bowman & Co., Meriden, Conn. Electric flatiron and the like. 2,353,151; July 11.

Empire Metal Cap Co. (See Merolle, Augustus L., assignor.)

English Electric Company Limited, The. (See Binney, Eric A., assignor.)

Erck, Louis J., Nashwauk, Minn., assignor to Minerals Beneficiation, Incorporated, Joplin, Mo. Concentrating minerals. 2,353,152; July 11.

Escher Wyss Machinenfabriken Aktiengesellschaft. (See Keller, Curt, assignor.)

Eversharp, Inc. (See Moore, Fred P., assignor.)

Ewins, Arthur J., Gidea Park, Romford, and M. A. Phillips, Romford, assignors to May & Baker, Limited, London, England. Preparation of new therapeutically useful heterocyclic compounds. 2,353,449; July 11.

Excel Auto Radiator Company. (See Sperry, Philmore F., assignor.)

Fahey, Francis A., Seattle, Wash. Opposed spiral can handling machine. 2,353,393; July 11.

Falk Corporation, The. (See Bade, Alfred G., assignor.)

Farmer, Paul M., Maplewood, N. J. Package feeding or dispensing apparatus. 2,353,394; July 11.

Federal Carton Corporation. (See Dorfman, Irving, assignor.)

Feild, Theophilus A., Jr. (See Rugeley, E. W., Feild, and Conlon.)

Fergueson, Arthur P., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield. 2,353,553; July 11.

Ferrel, Clyde B., San Francisco, Calif. Clinical irrigating device. 2,353,153; July 11.

Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Dimpling tool. 2,353,450; July 11.

Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Dimpling machine with ejector for broken pins. 2,353,451; July 11.

Fletcher, Maurice J., assignor to Cadet Smoke Stands Company, Des Moines, Iowa. Holder and dispenser. 2,353,301; July 11.

Fluid Control Engineering Co. (See Bryant, Austin U., assignor.)

Foley, Kathleen M., Morristown, N. J. Cigarette package. 2,353,395; July 11.

Ford, Brandt, Racine, Wis. Grinding machine. 2,353,131; July 11.

Foster, Harry E., Atlanta, Ga., assignor to Draper Corporation, Hopedale, Mass. Automatic loom shuttle. 2,353,611; July 11.

Fowler, Herman J., Chicago, Ill. Photographic apparatus for making periodic time-recorded exposures. 2,353,154; July 11.

Frank, Edward J. (See Gayer, J. D., Frank, and Boisseau.)

Frank, Louis, assignor of one-third to A. Reader, Taft, Calif. Dispensing container. 2,353,132; July 11.

Franz, Henry H. (See Stewart, R. J., and Franz.)

Frazer, Horace S., et al., trustee. (See Abbott, P. D., and Graney, assignors.)

French Oil Mill Machinery Company, The. (See Stewart, Joseph E., assignor.)

Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)

Fruh, Arthur W., Chicago, Ill. Burglar alarm control box. 2,353,452; July 11.

Fruit & Produce Packing, Inc. (See Niederauer, Howard H., assignor.)

Fry, Douglas J. (See Kendall, J. D., and Fry.)

Furgal, Frank L., Warren, Mass. Sweepstick for looms. 2,353,302; July 11.

Gagnier, George E. (See Place, Bion C., assignor.)

Gallo, Sebastiano, Brooklyn, N. Y. Making shoes. 2,353,396; July 11.

Gardner, Daniel, New York, N. Y., assignor to Virginia Metal Industries, Inc. Producing metal combinations or alloys. 2,353,612; July 11.

Gardner, Daniel, New York, N. Y., assignor to Virginia Metal Industries, Inc. Beneficiation of iron ores and recovery of by-product values. 2,353,613; July 11.

Gardner, Daniel, New York, N. Y., assignor to Gardner Thermal Corporation. Electric furnace. 2,353,614; July 11.

Gardner Thermal Corporation. (See Gardner, Daniel, assignor.)

Garrison, Allen D., and K. C. ten Brink, Houston, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Conditioning of drilling fluids. 2,353,230; July 11.

Gasparini, Louis. (See Medina, Emilio, assignor.)

Gates, Geoffrey R. G., assignor to Automotive Products Company Limited, Leamington Spa, England. Endless track vehicle. 2,353,554; July 11.

Gayer, John D., and E. J. Frank, Springfield, and A. C. Boisseau, Lansdowne, Pa., assignors to General Electric Company. Electric circuit interrupter. 2,353,453; July 11.

Gearench Manufacturing Company. (See Saul, Joseph, assignor.)

General Electric Company. (See Gayer, J. D., Frank, and Boisseau, assignor.)

General Electric Company. (See Hamann, Charles E., assignor.)

General Electric Company. (See Short, Thomas T., assignor.)

General Electric Company. (See Specht, Woldemar, assignor.)

General Electric Company. (See Talbot, Curtis G., assignor.)

General Motors Corporation. (See McCormack, Alex A., assignor.)

General Motors Corporation. (See Valentine, Richard H., assignor.)

General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)

Gibson Refrigerator Company. (See Rosebrook, Homer E., assignor.)

Giese, Arthur F., Denver, Colo. Clip loader. 2,353,397; July 11.

Gillet, William and E. L. Morris, Worcester, Mass., and D. A. Ahlstrand, Atlanta, Ga., assignors to Graton & Knight Company, Worcester, Mass. Picker and making same. 2,353,454; July 11.

Ginn, Earl, North Muskegon, assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,353,231; July 11.

Gisondi, Emanuel, Larchmont, N. Y. Fastening device. 2,353,455; July 11.

Gluck, Fred C., Minerva, and R. C. McCaskey, Shaker Heights, assignor to Minerva Wax Paper Company, Minerva, Ohio. Dispensing container. 2,353,456; July 11.

Glynn, Edwin A. (See Kuster, W. H., and Glynn.)

Goessling, Gerald A., Richmond Heights, Mo. Synthetic pearl resin. 2,353,457; July 11.

Goodman Manufacturing Company. (See Sloane, William W., assignor.)

Gore, Albert J., Washington, D. C. Combined brush scraper and bail holder. 2,353,555; July 11.

Gorman, Barton L., Michigan Bluff, Calif. Gun sight. 2,353,133; July 11.

Goss Printing Press Company, The. (See Crafts, Curtis S., assignor.)

Graney, Mary W. (See Abbott, P. D., and Graney.)

Graton & Knight Company. (See Gillet, W., Morris, and Ahlstrand, assignors.)

Graver, Tank & Mfg. Co. (See Prager, Frank D., assignor.)

Gray, James D. M., assignor of twenty per cent to T. J. Agar, and twenty-five per cent to H. W. Terry, and H. W. McIntosh, Toronto, Ontario, Canada. Aircraft control. 2,353,303; July 11.

Green, Charley L., assignor of one-third to O. W. Schroeder, Corpus Christi, Tex. Hydraulic brake control mechanism. 2,353,304; July 11.

Greene, Harry J., Ottawa, Kans. Punching and reinforcing device. 2,353,232; July 11.

Greene, Howard H., Oklahoma City, Okla. Deep well dump can. 2,353,458; July 11.

Greulich, Gerald G., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Portable deck. 2,353,398; July 11.

Grim, John M., Stamford, and J. G. Niedercorn, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Treatment of chrome-tanned leather. 2,353,556; July 11.

Gromer, Nathan. (See Schachar, Davis, assignor.)

Gruber, Max F., Stamford, Conn., assignor to Inredeco, Inc., Panama City, Panama. Method of and apparatus for spray-drying liquids which have nonliquid ingredients. 2,353,459; July 11.

Guthrie, Andrew J., St. Albans, W. Va. Instant field knife. 2,353,557; July 11.

Gygax, Ernest, St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Heat exchanger. 2,353,233; July 11.

Gzemski, Felix C., assignor to The Atlantic Refining Company, Philadelphia, Pa. Addition agent for lubricating oil and making same. 2,353,558; July 11.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of motor fuel. 2,353,234; July 11.

Haefele, John W., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Obtaining rubber from cryptostegia. 2,353,460; July 11.

Haggerty, Edward, A. O. Roy, and R. Hargreaves, assignor to Whitin Machine Works, Whitinsville, Mass. Builder mechanism. 2,353,330; July 11.

Hajek, James L., Jr., Cleveland, Ohio. Bucking tool. 2,353,559; July 11.

Hall, Hansell, Miami, Fla. Cabinet structure. 2,353,331; July 11.

Hall, Newton L., Long Beach, Calif. Binding tape or bandage. 2,353,332; July 11.

Hall, William D., Elkins, W. Va. Measuring device. 2,353,155; July 11.

Hamann, Charles E., Stratford, Conn., assignor to General Electric Company. Dry plate rectifier for portable radios. 2,353,461; July 11.

Hamilton, James L., Kirkwood, assignor to Century Electric Company, St. Louis, Mo. Electric motor. 2,353,235; July 11.

Hammill, Donald R., and L. Small, Detroit, assignors to Service Diamond Tool Company, Ferndale, Mich. Diamond tool. 2,353,236; July 11.

Hancock Manufacturing Company. (See Marple, Rollo, assignor.)

Hannant, Theodore N. (See Heigis, H. E., and Hannant).

Hargreaves, Robert. (See Haggerty, E., Roy, and Hargreaves.)

Harkins, Henry H., North Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Covering material for textile drawing and feeding rolls. 2,353,462; July 11.

Harman, Burl E., Henryetta, Okla. Collapsible tube. 2,353,463; July 11.

Harper, John W., Highlands North, Johannesburg, Transvaal, Union of South Africa. Safety pin. 2,353,560; July 11.

Harris, Irene, et al. (See Briggs, Ernest B., assignor.)

Harris, John M., Jr., Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Carrying out fusion reactions. 2,353,237; July 11.

Harris, Samuel B., Cristobal, C. Z. Food product. 2,353,333; July 11.

Harvey-Wells Communications, Inc. (See MacConnell, Charles W., assignor.)

Haslacher, Alfred B., New York, N. Y. Making impervious bags. 2,353,402; July 11.

Hassett, Paul E., Farmington, Conn., assignor, by mesne assignments, to MacArthur Concrete Pile Corporation, New York, N. Y. Coupling sleeve for tubular piling. 2,353,561; July 11.

Hatcher, Ernest C., Northwood, assignor to J. Stone & Company Limited, Deptford, England. Cable tensioning and releasing means. 2,353,562; July 11.

Haugh, Virgil V., Tiffin, Ohio. Constant load transmission. 2,353,334; July 11.

Haydon, Arthur W., Marion, Conn. Electric motor and making same. 2,353,305; July 11.

Hayter, Bruce, Santa Fe, N. Mex., and S. Perry, Chicago, Ill., assignors to Oil Devices, Santa Fe, N. Mex. Control device for liquid fuel burners. 2,353,464; July 11.

Heath, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Machine tool device support. 2,353,465; July 11.

Heigis, Henry E., West Orange, and T. N. Hannant, Cedar Grove, assignors to Specialties Development Corporation, Bloomfield, N. J. Flotation apparatus. 2,353,161; July 11.

Heintz, Ralph M., Cleveland, and B. G. Carlson, Erieside, assignors to Jack & Heintz, Inc., Cleveland, Ohio. Control device. 2,353,335; July 11.

Heintz, Ralph M., Cleveland, and D. J. Conant, Cleveland Heights, Ohio, assignors to Jack & Heintz, Inc. Housing and making same. 2,353,466; July 11.

Heintz, Ralph M., Cleveland, and P. F. Scofield, Cleveland Heights, assignors to Jack & Heintz, Inc., Bedford, Ohio. Armature construction. 2,353,336; July 11.

Heinz, Richard. (See Moore, Sewell P., assignor.)

Helmers, Carl J. (See Schulze, W. A. and Helmers.)

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Halogenation process. 2,353,463; July 11.

Henkelman, Charles E., Atlantic City, N. J. Temperature regulator for internal-combustion engines. 2,353,337; July 11.

Hennessy, James J., Montclair, N. J. Oil sump drain valve. 2,353,467; July 11.

Henry, Guy J., Chicago, Ill. Relief valve. 2,353,306; July 11.

Hercules Powder Company. (See Sheffield, Donald H., assignor.)

Hercules Powder Company. (See Tinsley, John S., assignor.)

Herthel, Eugene C., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Manufacture of gasoline. 2,353,399; July 11.

Hess, Heinrich O., assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Draw frame. 2,353,338; July 11.

Hettrick Manufacturing Company, The. (See Smith, William I., assignor.)

Hoag, Eben. (See Burnham, B., and Hoag.)

Hobbs, Charles, Decatur, Ill., assignor to Crown Cork Specialty Corporation. Capping machine. 2,353,156; July 11.

Hobbs, Charles, Decatur, Ill., assignor to Crown Cork Specialty Corporation. Capping apparatus. 2,353,400; July 11.

Hodge, Andrew D. (See Magrum, G. M., Chisholm, Jr., and Hodge.)

Hoe, R., & Co. (See Zuckerman, Adolph M., assignor.)

Hoff, Wilbur L., Hollywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article holding tray. 2,353,401; July 11.

Hoffmann-La Roche Inc. (See Schnider, Otto, assignor.)

Holst, Paul F. G., and L. R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America. Frequency modulation receiver circuit. 2,353,468; July 11.

Honeywell, Clinton C. (See Taylor, R. G., and Honeywell.)

Hood, R. W. (See Vaughn, John L., assignor.)

Hopp, Leo, assignor to The Hopp Press, Incorporated, New York, N. Y. Price ticket molding. 2,353,469; July 11.

Hopp Press, Incorporated, The. (See Hopp, Leo, assignor.)

Horr, John V., North Tarrytown, assignor to Elson-Freeman Co., Inc., Long Island City, N. Y. Educational device. 2,353,238; July 11.

Horstkotte, Gerry A., Bend, Oreg. Lumber handling table. 2,353,239; July 11.

Houdaille-Hershey Corporation. (See Chisholm, Harry L., Jr., assignor.)

Houdaille-Hershey Corporation. (See Fergueson, Arthur P., assignor.)

Houdaille-Hershey Corporation. (See Magrum, G. M., Chisholm, Jr., and Hodge, assignors.)

Houdaille-Hershey Corporation. (See Sandberg, Ray A., assignor.)

Howland, Thomas J., Long Branch, N. J., assignor to United States Rubber Company, New York, N. Y. Rubber apparel. 2,353,403; July 11.

Huggins, Leroy G., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,353,240; July 11.

Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Film holder for photographic enlargers. 2,353,241; July 11.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of lower aliphatic alcohols. 2,353,157; July 11.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of lower aliphatic alcohols. 2,353,158; July 11.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of lower aliphatic alcohols. 2,353,159; July 11.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of lower aliphatic alcohols. 2,353,160; July 11.

Huston, Milton D. (See Breese, J. L., and Huston.)

Hydraulic Brake Company. (See Young, Henry S., Jr., assignor.)

Ileman, Emil A., Bethlehem, Pa., assignor, by mesne assignments, to Realty and Industrial Corporation, Convent, N. J. Reclosing circuit breaker. 2,353,470; July 11.

Ilford Limited. (See Kendall, J. D., and Fry, assignors.)

Induction Heating Corp. (See Dravneek, Paul E., assignor.)

Induction Heating Corp. (See Rudd, Wallace C., assignor.)

Industrial Sheet Metal Works, Inc. (See Dalton, Alfred J., assignor.)

Inredeco, Inc. (See Gruber, Max F., assignor.)

Interior of the United States of America, as represented by Secretary of the. (See Sayers, Royd R., assignor.)

International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)

International Standard Electric Corporation. (See Zellweger, Carl, assignor.)

Jack & Heintz, Inc. (See Heintz, R. M., and Carlson, assignors.)

Jack & Heintz, Inc. (See Heintz, R. M., and Conant, assignors.)

Jack & Heintz, Inc. (See Heintz, R. M., and Scofield, assignors.)

Jack & Heintz, Inc. (See Seme, John J., assignor.)

Janco, Nathan, Tulsa, Okla. Centrifugal casting machine. 2,353,339; July 11.

Joffe, Julian A. (See Joffe, Sarah F. and J. A.)

Joffe, Julian A., Mount Vernon, N. Y. Icing. 2,353,307; July 11.

Joffe, Sarah F. and J. A., Mount Vernon, N. Y. Icing. 2,353,308; July 11.

Johndrew, Wilbur, Buffalo, N. Y. Automatic thickness compensator for riveting machines. 2,353,471; July 11.

Johns-Manville Corporation. (See Driscoll, J., and De Witt, assignors.)

Johns-Manville Corporation. (See Patten, C. M., and Bryant, Jr., assignors.)

Johnson, Clarence M., Dunellen, assignor of one-half to M. E. Davis, Plainfield, N. J. Combined ocular and mathematical computation device. 2,353,309; July 11.

Johnson, Junius P., New Bern, N. C. Bushing fitting and placement tool. 2,353,564; July 11.

Johnson, Tomlinson F., Atlanta, Ga. High-tension fuse assembly and heater therefor. 2,353,242; July 11.

Jolley, Gladys, et al. (See Briggs, Ernest B., assignor.)

Joy, Robert W., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Dump car. 2,353,310; July 11.

Jurek, Frank J., Buffalo, N. Y. Cigarette-making device. 2,353,340; July 11.

Juvenile Wood Products, Inc. (See Muller, Albert B., assignor.)

Kahn, Samuel, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Combined pressure and vacuum gauge. 2,353,472; July 11.

Kaltenbacher, Dominic M., Bloomington, Ind., assignor to Radio Corporation of America. Frequency modulation. 2,353,162; July 11.

Kaprelian, Edward K., Alexandria, Va., assignor to Isadore Nochlin and Sam Schwartz, trading as Camera Supply Company, Washington, D. C. Optical view finder. 2,353,565; July 11.

Karlson, Karl R., Montclair, N. J., assignor to Union Bag & Paper Corporation, New York, N. Y. Bag and making same. 2,353,311; July 11.

Kauffmann, Hans O., Eggertsville, and E. S. Shanley, assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Heating goods. 2,353,615; July 11.

Keelerie, George F., Westboro, Mass. Abrasive article. 2,353,404; July 11.

Keinath, George, Larchmont, N. Y. Exposure meter. 2,353,163; July 11.

Keller, Curt, assignor to Escher Wyss Machinenfabriken Aktiengesellschaft, Zurich, Switzerland. Variable-pitch propeller. 2,353,566; July 11.

Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Dyestuffs and dyestuff intermediates. 2,353,164; July 11.

Kent Chemical Corporation. (See Kent, Julius, assignor.)

Kent, Julius, New York, N. Y., assignor to Kent Chemical Corporation. Making cellulose powder. 2,353,243; July 11.

Keseler, Ernest C. (See Clifton, P., and Keseler.)

Keslar, Leroy D., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Making laminated glass. 2,353,473; July 11.

Kester, Lynn C., Hereford, Tex. Hood for stoves. 2,353,244; July 11.

Key, Ava J. E., Hempstead, N. Y. Garment waistband. 2,353,567; July 11.

Kiehn, Arthur W., Elizabeth, N. J. Buttering machine. 2,353,474; July 11.

King, Gordon A. A., Kew, England. Horseshoe. 2,353,568; July 11.

King, John W., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 2,353,405; July 11.

Kinnard, Wolcott S., Whitefish Bay, Wis. Photometer. 2,353,475; July 11.

Kiper, James E., English, Ky. Pitman attachment. 2,353,476; July 11.

Kirkwood, Loren R. (See Holst, P. F. G., and Kirkwood.)

Kiser, Lucinda J., Indianapolis, Ind. Bed pan cover. 2,353,245; July 11.

Kistner, Merrill M. (See Waring, F. M., and Lee, assignors.)

Klonaris, John, assignor of one-third to B. C. Curby and one-third to G. Craidon, Kankakee, Ill. Fuel supply. 2,353,341; July 11.

Knecht, Oscar, and T. Wirth Basel, assignors to Sandoz Ltd., Fribourg, Switzerland. Sulphonamido monoazo dyestuffs. 2,353,569; July 11.

Knutzen, Max T., assignor to The John Bertram & Sons Co. Limited, Dundas, Ontario, Canada. Control means for power-operated machinery. 2,353,246; July 11.

Kobe, Kenneth A., Austin, Tex., and T. F. Doumani, Long Beach, Calif. Monomercurating aromatic compounds. 2,353,312; July 11.

Koppel, Ernst R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Hot-water tank connection. 2,353,477; July 11.

Kouyoumjian, Haroutium K., Wakefield, R. I., assignor to Ward Leonard Electric Company. Device for overcoming effects of shocks. 2,353,406; July 11.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire tread contracting device. 2,353,570; July 11.

Kraybill, Henry R., P. H. Brewer, and M. H. Thornton, assignors to Purdue Research Foundation, West La Fayette, Ind. Adsorption recovery of phosphatide material from vegetable oils containing it. 2,353,571; July 11.

Kreidl, Ignaz and W., Dunkirk, N. Y. Increasing the apparent surface hardness of enamels. 2,353,165; July 11.

Kreidl, Werner. (See Kreidl, Ignaz and W.)

Kuettel, John J., assignor of one-half to J. M. Lawler, St. Paul, Minn. Electric space heater. 2,353,247; July 11.

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,353,407; July 11.

Küry, Josef. (See Bobst, H., and Küry.)

Kuser, Dryden, et al., trustee. (See Woodhull, Frederick W., assignor.)

Kuser, Louise M., et al. (See Woodhull, Frederick W., assignor.)

Kuster, William H., San Francisco, and E. A. Glynn, Lodi, Calif. Flange coupling and locking unit. 2,353,572; July 11.

La Bour, Harry E., Elkhart, Ind. Liquid shaft seal. 2,353,478; July 11.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical relay. 2,353,616; July 11.

Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Damping device for electrical instruments. 2,353,617; July 11.

Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Damping device for electrical instruments. 2,353,618; July 11.

Lamb, William H., Merrick, N. Y. Clamping device. 2,353,248; July 11.

Lane, Fred A., assignor to Lane Motors Incorporated, Shelburn, Ind. Internal-combustion engine. 2,353,313; July 11.

Lane Motors Incorporated. (See Lane, Fred A., assignor.)

Lanz, Henry C., Jr., and D. H. Larsen, assignors to National Lead Company, Los Angeles, Calif. Treatment of well drilling fluids. 2,353,166; July 11.

La Plant-Choate Mfg. Co. (See Austin, Ellsworth W., assignor.)

Larsen, Delmar H. (See Lanz, H. C., Jr., and Larsen.

Larsen, Einer W., Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Take-up mechanism. 2,353,408; July 11.

Larson, Bert E., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 2,353,167; July 11.

Larson, Bert E., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 2,353,168; July 11.

Laubach, Howard E. (See Mills, D. E., Drake, and Laubach.)

Lawler, John M. (See Kuettel, John J., assignor.)

Lebourg, Maurice P., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Tension measuring device. 2,353,249; July 11.

Le Doyen, Matthew W., Portsmouth, Va. Turnbuckle. 2,353,250; July 11.

Lee, Edward J., Jr. (See Waring, F. M., and Lee.)

Lee Engineering Research Corporation. (See Lee, Royal, assignor.)

Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Speed regulating apparatus. 2,353,314; July 11.

Le Gloahec, Victor C. E., Rockland, Maine, assignor to Algin Corporation of America, New York, N. Y. Fruit syrup. 2,353,251; July 11.

Leisure, James R., Compton, Calif. Nut anchor. 2,353,252; July 11.

Lesavoy, Isadore L., Allentown, Pa. Undergarment. 2,353,342; July 11.

Le Tourneau, R. G., Inc. (See Brooking, Edgar C., assignor.)

Leuschner, Kurt A., Monterey, Calif. Can drainer. 2,353,343; July 11.

Lighter, Stephen, Milwaukee, Wis. Shirt and collar protector. 2,353,344; July 11.

Lincoln, Bert H., and W. L. Steiner, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricant. 2,353,169; July 11.

Lincoln, Bert H., and W. L. Steiner, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricant. 2,353,170; July 11.

Lindblom, Knut J. (See Bost, H. F., and Lindblom.)

Linde Air Products Company, The. (See McCandless, Edward L., assignor.)

Linde Air Products Company, The. (See Scheller, Arthur P., assignor.)

Lindquist, Carl G. (See Swan, D. R., and Lindquist.)

Lindskog, Segfrid J., Los Angeles, Calif. Lawn renovating machine. 2,353,345; July 11.

Lindsley, John V., Miami, Fla. Wooden door structure. 2,353,573; July 11.

Livermont, Frank W., Glendale, assignor of one-half to R. A. Livingston, Los Angeles, Calif. Die. 2,353,253; July 11.

Livingston, Richard A. (See Livermont, Frank W., assignor.)

Lock, Frank, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn Hoist. 2,353,479; July 11.

Locomotive Firebox Company. (See Larson, Bert E., assignor.)

Logan Engineering Co. (See Logan, Henry H., assignor.)

Logan, Henry H., assignor to Logan Engineering Co., Chicago, Ill. Hopper nozzle. 2,353,346; July 11.

Lubri-Zol Development Corporation, The. (See Lincoln, B. H., and Steiner, assignors.)

Lubri-Zol Development Corporation, The. (See Prutton, C. F., and Smith, assignors.)

Lyman, Kenneth E., Lake Forest, assignor to E. Bagnall, Chicago, Ill. Stabilizer. 2,353,574; July 11.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,353,575; July 11.

MacArthur Concrete Pile Corporation. (See Hassett, Paul E., assignor.)

MacConnell, Charles W., assignor to Harvey-Wells Communications, Inc., Southbridge, Mass. Forming piezoelectric crystals. 2,353,171; July 11.

MacGregor, John, et al., trustee. (See Abbott, P. D., and Graney, assignors.)

MacLean, Donald, Middlechurch, Manitoba, and J. E. Eidridge and P. Cravits, Jr., Winnipeg, Manitoba, Canada. Shocking harvester. 2,353,172; July 11.

Machine and Tool Designing Company. (See Pecker, J. S., and Simpson, assignors.)

Magic Duplex Sign Company, The. (See Pullen, Harry, assignor.)

Magill-Weinsheimer Company. (See Rasmussen, Frank H., assignor.)

Magnaflux Corporation. (See de Forest, A. V., and Doane, assignors.)

Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)

Magrum, Gervase M., H. L. Chisholm, Jr., and A. D. Hodge, Buffalo, N. Y., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Oil temperature regulating structure. 2,353,577; July 11.

Malm, Carl J., and L. W. Blanchard, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose acetate. 2,353,255; July 11.

Manning, Bowman & Co. (See Eisenheimer, Charles W., assignor.)

Manning, Maxwell & Moore, Incorporated. (See Kahn, Samuel, assignor.)

Marple, Rollo, assignor to Hancock Manufacturing Company, Jackson, Mich. Hinge. 2,353,175; July 11.

Marshall, Frederick G., Leamington Spa, assignor to Constant Speed Airscrews Limited, Warwick, England. Spinner for airscrews. 2,353,578; July 11.

Marshall, William J., Harrow, and L. H. Catt, Wembley, England. Switching arrangement for employing rectifiers in conjunction with battery regulating switches. 2,353,410; July 11.

Marsilius, Newman M., Bridgeport, Conn. Milling machine. 2,353,480; July 11.

Martin, Samuel M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool for slitting cable insulations. 2,353,173; July 11.

May & Baker Limited. (See Barber, Harry J., assignor.)

May & Baker, Limited. (See Ewins, A. J., and Phillips, assignors.)

Maywald, Frederick J., Jr., Rutherford, assignor to Allied Latex Corporation, East Newark, N. J. Machine and method for making certain rubber goods. 2,353,256; July 11.

Maze, James S., assignor to W. H. Maze Company, Peru, Ill. Lead head nail. 2,353,315; July 11.

Maze, W. H., Company. (See Maze, James S., assignor.)

McCandless, Edward L., Kenmore, N. Y., assignor to The Linde Air Products Company. Bursting disk. 2,353,254; July 11.

McCaskey, Rankin C. (See Gluck, F. C., and McCaskey.)

McClure, Robert W., San Diego, Calif. Honing device for choked engine cylinders. 2,353,409; July 11.

McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,353,347; July 11.

McCormick, Clarence J., Oakland, Calif. Fuel producing machine. 2,353,481; July 11.

McGavack, John, Leonia, N. J., assignor to United States Rubber Company, New York, N. Y. Obtaining rubber from cryptostegia. 2,353,482; July 11.

McGill, Mary E. (See Carpenter, J. A., and McGill.)

McIlvried, Edwin J., Akron, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Mechanism for drawing wire. 2,353,576; July 11.

McIntosh, Herbert W., et al. (See Gray, James D. M., assignor.)

McKay Machine Company. (See Todd, Russell T., assignor.)

McLaughlin, John R., New Brunswick, N. J., assignor, by mesne assignments, to Tampax Incorporated, New York, N. Y. Method of and apparatus for inserting plugs into applicators. 2,353,174; July 11.

McLaughlin, Kenneth, Summit, N. J., assignor to Radio Corporation of America. Electrical connector for tubes. 2,353,348; July 11.

Medina, Emilio, assignor of forty percent to L. Gasparini, Torrington, Conn. Antislipping device. 2,353,483; July 11.

Merolle, Augustus L., Brooklyn, assignor to Empire Metal Cap Co., Inc., Brooklyn, N. Y. Threading closure caps. 2,353,349; July 11.

Merten, Eugen, and J. P. Woods, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Seismic exploration method. 2,353,484; July 11.

Metzner, Albert W. (See Sherman, J. Q., and Metzner.)

Meyers, Charles O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Absorption oil distillation purifier. 2,353,176; July 11.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for focusing cameras. 2,353,257; July 11.

Miller, Charles F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile printing composition. 2,353,411; July 11.

Miller, Edwin A., New Haven, Conn. Drive fastener. 2,353,579; July 11.

Miller, Oscar E., Stratton, Nebr., assignor to Cheney Weeder Company, Cheney, Wash. Weeder attachment. 2,353,485; July 11.

Miller Printing Machinery Co. (See Sinkovitz, Joseph, assignor.)

Miller, Samuel P., Chicago, Ill. Automatic control for heat transfer systems. 2,353,486; July 11.

Miller, Samuel P., Chicago, Ill. Heat control system. 2,353,627; July 11.

Miller, William J., Los Angeles, Calif. Oil saver. 2,353,412; July 11.

Millerwise, Carl H., assignor to Detroit Lubricator Company, Detroit, Mich. Actuating means. 2,353,350; July 11.

Mills, David E., Cincinnati, W. H. H. Drake, Bridgetown, and H. E. Laubach, assignors to The Smith & Mills Company, Cincinnati, Ohio. Metalworking machinery. 2,353,580; July 11.

Minerals Beneficiation, Incorporated. (See Erck, Louis J., assignor.)

Minerva Wax Paper Company. (See Gluck, F. C., and McCaskey, assignors.)

Moore, Fred P., assignor to Eversharp, Inc., Chicago, Ill. Mechanical pencil. 2,353,177; July 11.

Moore, George A., New York, N. Y., assignor to Shellmar Products Company, Mount Vernon, Ohio. Container and making the same. 2,353,178; July 11.

Moore, Sewell P., Palisade, N. J., assignor to R. Heinz, New York, N. Y. Easel. 2,353,625; July 11.

Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co., Inc. Safety catch. 2,353,581; July 11.

Morris, Edwin L. (See Gillet, W. Morris, and Ahlstrand.)

Morris, Louis C., Los Angeles, assignor to Payne Furnace & Supply Company, Inc., Beverly Hills, Calif. Draft hood. 2,353,179; July 11.

Morton, Eldred O., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Steam iron. 2,353,426; July 11.

Moser, Edward, assignor to the Swiss firm of Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of 1-amino-benzene-4-sulpho-2-carboxylic acid. 2,353,351; July 11.

Moss, Edwin, assignor to Edwin Moss and Son Incorporated, Bridgeport, Conn. Concrete batching plant. 2,353,487; July 11.

Moss, Edwin and Son Incorporated. (See Moss, Edwin, assignor.)

Mott, Garret, Jr., Scarsdale, assignor to Electrolux Corporation, New York, N. Y. Lighting device. 2,353,258; July 11.

Mueller, Otto, Dearborn, Mich. Hydraulic punch and stripper. 2,353,488; July 11.

Muir, William M., South Orange, N. J. Machine for applying decalcomanias. 2,353,352; July 11.

Muller, Albert B., Fort Wayne, Ind., assignor to Juvenile Wood Products, Inc. Breast strap fastener. 2,353,316; July 11.

Muller, Egon N., Esch-sur-Alzette, Luxemburg; vested in the Alien Property Custodian. Automatic selectivity control for radio receivers. 2,353,180; July 11.

Myer, Moses L., University City, Mo. Rail fastener. 2,353,353; July 11.

Nardone, Romeo M., Westwood, assignor to Bendix Aviation Corporation, Bendix, N. J. Electrical apparatus. 2,353,317; July 11.

Nathan, Emanuel, Maplewood, N. J. Spectacle case. 2,353,413; July 11.

National Electric Instrument Co. Inc. (See Arnesen, Walter A., assignor.)

National Lead Company. (See Lanz, H. C., Jr., and Larsen, assignors.)

Neef, Frederick E., Jr., U. S. Army. Dispensing nozzle signal. 2,353,181; July 11.

Newcomb, Raymond I., Chicago, Ill. Apparatus for releasing the fibers from straw, or other fibrous material. 2,353,489; July 11.

New Products Corporation. (See Banker, Oscar H., assignor.)

Niederauer, Howard H., assignor to Fruit & Produce Packing, Inc., Indianapolis, Ind. Forming basket liners. 2,353,182; July 11.

Niederauer, Howard H., assignor to Fruit & Produce Packing, Inc., Indianapolis, Ind. Basket liner. 2,353,183; July 11.

Niedercorn, Joseph G. (See Grim, J. M., and Niedercorn.)

Nochlin, Isadore. (See Kaprelian, Edward K., assignor.)

Noordyn, Jan, Emmastad, Curacao, Netherlands West Indies, assignor to Shell Development Company, San Francisco, Calif. Cracking and reforming of hydrocarbons. 2,353,490; July 11.

Nordberg, Martin E., assignor to Corning Glass Works, Corning, N. Y. Black glass. 2,353,354; July 11.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Apparatus for gauging tubular objects. 2,353,184; July 11.

Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Lubricating oil composition. 2,353,491; July 11.

Oberright, Edward A. (See Sargent, E. L., and Oberright.)

O'Connor, John C., Ann Arbor, Mich. Vibration producing mechanism. 2,353,492; July 11.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Electromagnetic friction device. 2,353,185; July 11.

Ohio Carbon Company, The. (See Stoffel, L. L., and Stark, assignors.)

Ohio Citizens Trust Company, The. (See Replogle, Daniel B., assignor.)

Oil Devices. (See Breese, James L., assignor.)

Oil Devices. (See Breese, J. L., and Huston, assignors.)

Oil Devices. (See Hayter, B., and Perry, assignors.)

Oil Devices. (See Perry, Stanley, assignor.)

Okies, Joe, El Paso, Tex. Dispensing container. 2,353,355; July 11.

O'Leary, Arthur J., Longmeadow, Mass. Furniture construction. 2,353,356; July 11.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 2,353,414; July 11.

Owen, Herbert L. and J. P., Los Angeles, Calif. Shingle. 2,353,259; July 11.

Owen, James P. (See Owen, Herbert L. and J. P.)

Owens, Freeman H., New York, N. Y. Program preselecting and tuning mechanism. 2,353,186; July 11.

Packard Motor Car Company. (See Reid, Elliott G., assignor.)

Parkin, Thomas D., Broomfield, near Chelmsford, England, assignor to Radio Corporation of America. Quenched electric oscillation generator. 2,353,493; July 11.

Parva Products Company. (See White, Paul W., assignor.)

Patten, Cleo M., St. Louis, Mo., and C. E. Bryant, Jr., Mount Vernon, assignors to Johns-Manville Corporation, New York, N. Y. Insulating tape. 2,353,494; July 11.

Paulick, Ernest, Duluth, Minn. Fishhook retriever. 2,353,357; July 11.

Paulsen, Reginald, Hingham, Mass. Metal plate construction. 2,353,260; July 11.

Payne, Donald E., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,353,495; July 11.

Payne Furnace & Supply Company. (See Morris, Louis C., assignor.)

Pearson, Oke L., Chicago, Ill. Receptacle and closure means therefor. 2,353,582; July 11.

Pease, Charles F., Pasadena, Calif. Vending machine. 2,353,496; July 11.

Pecker, Joseph S., and H. A. Simpson, Philadelphia, Pa., assignors to Machine and Tool Designing Company. Adjustable seat supporting device. 2,353,497; July 11.

Pedersen, Harold M., Forest Hills, N. Y. Safety pin. 2,353,261; July 11.

Pennsylvania Industrial Chemical Corporation. (See Corkery, F. W., and Burroughs, assignors.)

Perry, Stanley. (See Hayter, B., and Perry.)

Perry, Stanley, Chicago, Ill., assignor to Oil Devices, Santa Fe, N. Mex. Valve operated motor controlling switch. 2,353,498; July 11.

Pesco Products Co. (See Roth, J. M., and Burns, assignors.)

Peterson, Willard D. (See Vittum, P. W., Peterson, and Porter.)

Peterson, Willard D., Easton, Pa., assignors to Eastman Kodak Company, Rochester, N. Y. Preventing crystallization of couplers. 2,353,262; July 11.

Phillips, Montague A. (See Ewins, A. J., and Phillips.)

Phillips Petroleum Company. (See Drennan, Harry E., assignor.)

Phillips Petroleum Company. (See Hachmuth, Karl H., assignor.)

Phillips Petroleum Company. (See Meyers, Charles O., assignor.)

Phillips Petroleum Company. (See St. Clair, Theodore A., assignor.)

Phillips Petroleum Company. (See Schulze, Walter A., assignor.)

Phillips Petroleum Company. (See Schulze, W. A., and Helmers, assignors.)

Pierce, Ernest E., Dallas, Tex. Door mounting. 2,353,263; July 11.

Piland, William E., Portland, Oreg. Hand truck. 2,353,264; July 11.

Pittsburgh Plate Glass Company. (See Keslar, Leroy D., assignor.)

Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Wide molding snap-on clip. 2,353,583; July 11.

Pontecorvo, Bruno, and G. Swift, assignors to Well Surveys, Incorporated, Tulsa, Okla. Geophysical prospecting. 2,353,619; July 11.

Porter, Henry D. (See Vittum, P. W., Peterson, and Porter.)

Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Test signal transmitter. 2,353,584; July 11.

Prager, Frank D., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Precipitation and coagulation. 2,353,358; July 11.

Price, Walter, Ridgewood, N. J. Loom. 2,353,415; July 11.

Proctor, B. A., Company. (See Thiede, Ferdinand C. W., assignor.)

Proctor & Schwartz Incorporated. (See Bokum, W. F., and Weber, assignors.)

Prutton, Carl F., Cleveland, and A. K. Smith, Shaker Heights, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,353,585; July 11.

Pullen, Harry, assignor to The Magic Duplex Sign Company, Easton, Md. Animated exhibitor. 2,353,265; July 11.

Purdue Research Foundation. (See Kraybill, H. R., Brewer, and Thornton, assignors.)

Purington, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio alarm system. 2,353,499; July 11.

Pyzel, Frederic M., Piedmont, assignor to Shell Development Company, San Francisco, Calif. Separating and recovering hydrocarbons and alkyl esters from mixtures thereof. 2,353,500; July 11.

Queen, Harold E., et al., executors. (See Replogle, Daniel B.)

Rackley, John B. (See Walker, William E., assignor.)

Radio Corporation of America. (See Andrews, Edward F., assignor.)

Radio Corporation of America. (See Holst, P. F. G., and Kirkwood, assignors.)

Radio Corporation of America. (See Kaltenbacher, Dominic M., assignor.)

Radio Corporation of America. (See McLaughlin, Kenneth, assignor.)

Radio Corporation of America. (See Parkin, Thomas D., assignor.)

Radio Corporation of America. (See Purington, Ellison S., assignor.)

Radio Corporation of America. (See Seeley, Stuart W., assignor.)

Radio Corporation of America. (See Usselman, George L., assignor.)

Radio Corporation of America. (See Warwick, James C., assignor.)

Rankin, Lanning P. (See Turkington, V. H., Whiting, and Rankin.)

Rasmussen, Frank H., assignor to Magill-Weinsheimer Company, Chicago, Ill. Advertising poster. 2,353,359; July 11.

Rausch, Earl B. (See Rerick, A. H., and Rausch.)

Reader, Adolph. (See Frank, Louis, assignor.)

Realty and Industrial Corporation. (See Ileman, Emil A., assignor.)

Redling, Matthew J., Perth Amboy, N. J. Vehicle steering mechanism. 2,353,501; July 11.

Reid, Elliott G., Palo Alto, Calif., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,353,266; July 11.

Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Fifth wheel construction. 2,353,267; July 11.

Reininger, Gustave M., Fort Mitchell, Ky. Inclinometer. 2,353,586; July 11.

Replogle, Carl S., et al., executors. (See Replogle, Daniel B.)

Replogle, Daniel B., deceased, Berkeley, Calif., Bank of America National Trust and Savings Association, C. S. Replogle, H. E. Queen, and L. H. Bullock, executors, assignors to The Ohio Citizens Trust Company, Toledo, Ohio, trustee. Dust indicator for air-method cleaning systems. 2,353,621; July 11.

Rerick, Albert H., South Bend, and E. B. Rausch, Bremen, assignors to The Studebaker Corporation, South Bend, Ind. Tire and wheel assembly machine. 2,353,187; July 11.

Rever, Harry J. (See Stewart, R. J., and Rever.)

Reynolds, Schuyler, Columbus, Ohio. Implement holder or pocket. 2,353,502; July 11.

Rill, Carroll N., Jackson Heights, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Inhibiting foaming of viscous petroleum oil. 2,353,587; July 11.

Ritz-Woller, Oliver C., Chicago, Ill. Supporting arm for rearview mirrors and the like. 2,353,588; July 11.

Roberts, Jean M., Ridgewood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Electrical apparatus. 2,353,268; July 11.

Ronning, Adolph, Minneapolis, Minn. Mine sweeping and disabling apparatus. 2,353,360; July 11.

Roosa, Vernon D., Ardsley, assignor of one-fourth to E. J. Willson, Astoria, Long Island, N. Y. Fuel pump. 2,353,188; July 11.

Rosebrook, Homer E., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Refrigerator. 2,353,361; July 11.

Rosenstiel, Robert G. (See Callaway, E. C., and Rosenstiel.)

Rost, Helge F., Djursholm, and K. J. Lindblom, Tureberg, Sweden. Device for automatically compensating effect of centrifugal forces on vehicles. 2,355,503; July 11.

Roth, Jay M., Euclid, and L. G. Burns, East Cleveland, Ohio, assignors to Pesco Products Co. Hydraulic fuel system. 2,353,269; July 11.

Roy, Albert O. (See Haggerty, E., Roy, and Hargreaves.)

Rudd, Wallace C., Yonkers, assignor to Induction Heating Corp., New York, N. Y. Extrusion molding apparatus. 2,353,362; July 11.

Rugeley, Edward W., T. A. Feild, Jr., and J. F. Conlon, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Forming synthetic fibers. 2,353,270; July 11.

Rundell, Rupert E., Rockville Centre, N. Y., assignor to American Machine & Foundry Company. Respotter mechanism. 2,353,189; July 11.

Rupp, Albert, Berlin-Sudende, Germany; vested in the Alien Property Custodian. Screw propeller. 2,353,190; July 11.

Ruthruff, Robert F., Nutley, N. J. Treating hydrocarbon fluids. 2,353,624; July 11.

S & S Corrugated Paper Machinery Co. (See Shields, Albert F., assignor.)

St. Clair, Theodore A., Pontiac, Mich., assignor to Phillips Petroleum Company. Container pressure withstanding testing device. 2,353,275; July 11.

Samiran, David., Fairfield, Ohio. Automatic shutoff valve. 2,353,191; July 11.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Seal for pressure vessels and the like. 2,353,589; July 11.

Sandoz Ltd. (See Knecht, O., and Wirth.)

Sanford, Roy S., assignor to the Autoyre Company, Incorporated, Oakville, Conn. Wall bracket. 2,353,363; July 11.

Sanford, Roy S., assignor to the Autoyre Company, Incorporated, Oakville, Conn. Wall bracket. 2,353,364; July 11.

Sanford, Roy S., assignor to the Autoyre Company, Incorporated, Oakville, Conn. Fixture and hinge bracket therefor. 2,353,365; July 11.

Sargent, Edmund L., and E. A. Oberright, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Stabilized fuel oil composition and method thereof. 2,353,192; July 11.

Saul, Joseph, Pasadena, assignor to Gearench Manufacturing Company, Houston, Tex. Flange spreader. 2,353,623; July 11.

Sayers, Royd R., Alexandria, Va., assignor to the United States of America, as represented by the Secretary of the Interior. Recovery of metallic magnesium. 2,353,193; July 11.

Schachar, David, assignor of one-half to N. Gromer, Brooklyn, N. Y. Making film sheets. 2,353,504; July 11.

Scheineman, Fred W., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,353,505; July 11.

Scheller, Arthur P., Irvington, N. J., assignor to The Linde Air Products Company. Nozzle for desurfacing metal. 2,353,318; July 11.

Schenk, Erich F. T. (See Schettler, C., and Schenk.)

Schettler, Charles, and E. F. T. Schenk, Miami, Fla. Color photography. 2,353,506; July 11.

Schlumberger Well Surveying Corporation. (See Lebourg, Maurice P., assignor.)

Schmitt, William H., St. Paul, Minn. Hair curler. 2,353,366; July 11.

Schnaars, David R., New Hyde Park, N. Y. Wear compensating thread gauge. 2,353,626; July 11.

Schnider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 2-amino-4-oxo-5-ethoxypentene-(2) and manufacture of same. 2,353,367; July 11.

Schraig, James V., Central Valley, N. Y. Combination interlocking device. 2,353,507; July 11.

Schroeder, O. W. (See Green, Charley L., assignor.)

Schuh, Charles H., Ridgewood, assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Loose-fill composition material. 2,353,271; July 11.

Schulz, Arthur P., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Cleaning machine. 2,353,368; July 11.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reactivation of catalysts. 2,353,508; July 11.

Schulze, Walter A., and C. J. Helmers, Bartlesville, Okla., assignors to Phillips Petroleum Company. Hydrocarbon conversion. 2,353,509; July 11.

Schutz, Ewald, assignor to De Walt Products Corporation, Lancaster, Pa. Cutting machine. 2,353,590; July 11.

Schwartz, Sam. (See Kaprelian, Edward K., assignor.)

Schweitzer-Conrad, Inc. (See Triplett, Hugh A., assignor.)

Scofield, Philip F. (See Heintz, R. M., and Scofield.)

Scott, Winfield, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Age resister for rubber. 2,353,591; July 11.

Scott, Winfield, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Age resister for rubber. 2,353,592; July 11.

Scott, Winfield, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Thiazoles and thiazolines. 2,353,593; July 11.

Seagren, Carl E., Brooklyn, N. Y. Decorating edible products. 2,353,594; July 11.

Searles, Amos, Moscow, Pa., and C. A. Swartz, Yonkers, N. Y. Idler roller for belt conveyers. 2,353,510; July 11.

Sears, Richard W., II, Evanston, Ill. Record. 2,353,369; July 11.

Sears, Richard W., II, Grayslake, Ill. Multiple speed phonograph turn-table. 2,353,370; July 11.

Seeley, Stuart W., Roslyn, N. Y., assignor to Radio Corporation of America. Wave length modulation. 2,353,204; July 11.

Seme, John J., Maple Heights, assignor to Jack & Heintz, Inc., Bedford, Ohio. Chuck. 2,353,371; July 11.

Service Diamond Tool Company. (See Hammill, D. R., and Small, assignors.)

Shanley, Edward S. (See Kauffmann, H. O., and Shanley.)

Sheffield, Donald H., assignor to Hercules Powder Company, Wilmington, Del. Separation of cineole from hydrocarbons. 2,353,319; July 11.

Shell Development Company. (See Merten, E., and Woods, assignors.)

Shell Development Company. (See Noorduyn, Jan, assignor.)

Shell Development Company. (See Pyzel, Frederic M., assignor.)

Shellmar Products Company. (See Moore, George A., assignor.)

Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman; K. M. and W. C. Sherman, and W. B. Turner, executors of said J. Q. Sherman, deceased. Making platen rolls. 2,353,194; July 11.

Sherman, Katherine M., et al., executors. (See Sherman, J. Q., and Metzner.)

Sherman, William C., et al., executors. (See Sherman, J. Q., and Metzner.)

Shields, Albert F., Forest Hills, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Driving belt. 2,353,595; July 11.

Shiffler, William H., San Francisco, and L. P. Elliott, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif. Hydrocarbon reaction. 2,353,596; July 11.

Short, Thomas T., Fort Wayne, Ind., assignor to General Electric Company. Electric apparatus. 2,353,511; July 11.

Sillick Holding Company Limited, The. (See Canney, Duncan E. F., assignor.)

Silver, Louis, San Francisco, Calif. Knife. 2,353,416; July 11.

Sim, Gordon, assignor to Teletype Corporation, Chicago, Ill. Platen hand wheel. 2,353,597; July 11.

Simmon, Alfred, Jackson Heights, N. Y. Photographic enlarger. 2,353,512; July 11.

Simmon, Alfred, Jackson Heights, N. Y. Portable photographic enlarger. 2,353,513; July 11.

Simmons, Arthur B., and J. H. Eagle, assignors to Eastman Kodak Company, Rochester, N. Y. Bore sighting instrument. 2,353,272; July 11.

Simmons Company. (See Woller, Edward E., assignor.)

Simpson, Henry A. (See Pecker, J. S., and Simpson.)

Simpson, Lancelot M., Thorner, near Leeds, and C. R. Woodland, Liverpool, assignors to Automatic Telephone & Electric Company Limited, London, England. Distributor mechanism for controlling the release of bombs or the like. 2,353,417; July 11.

Sims, Alfred V., New York, N. Y.; A. W. Sims, executor of said A. V. Sims, deceased. Mixing fluids of different temperatures and densities. 2,353,195; July 11.

Sims, Alfred W., executor. (See Sims, Alfred V.)

Sinclair Refining Company. (See Herthel, Eugene C., assignor.)

Sinclaire, Francis S., Brooklyn, N. Y. Sound synchronizing apparatus for motion pictures and phonographic recordings. 2,353,320; July 11.

Sinkovitz, Joseph, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Apparatus for handling and operating on materials. 2,353,196; July 11.

Slater, Jay P., Lakewood, N. Y. Protective device for drills. 2,353,514; July 11.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,353,273; July 11.

Small, Louis. (See Hammill, D. R., and Small.)

Smeaton, Isabel D. (See Sochaczewski, Stanislaw, assignor.)

Smith, A. O., Corporation. (See Heath, William C., assignor.)

Smith, A. O., Corporation. (See Koppel, Ernst R., assignor.)

Smith, A. O., Corporation. (See Tiedemann, J. B., and Winstrom, assignors.)

Smith, A. O., Corporation. (See Yost, Lloyd, assignor.)

Smith, Albert K. (See Prutton, Carl F.)

Smith, Elizabeth E. (See Smith, Herbert N. and E. E.)

Smith, Glenn R., Los Angeles, assignor of one-half to N. R. Smith, Santa Barbara, Calif. Combination footrest and chair. 2,353,418; July 11.

Smith, Herbert N. and E. E., London, England. Production of knitting by mechanical means. 2,353,197; July 11.

Smith & Mills Company, The. (See Mills, D. E., Drake, and Laubach, assignors.)

Smith, Nellie R. (See Smith, Glenn R., assignor.)

Smith, William I., Goshen, Ind., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Velocipede. 2,353,515; July 11.

Smithson, Eugene S., Rochester, N. Y. Machine for forming box blanks. 2,353,419; July 11.

Snodgrass, Benjamin W., Denver, Colo. Impact element actuating means. 2,353,321; July 11.

Sochaczewski, Stanislaw, assignor of one-half to I. D. Smeaton, London, England. Device for use in musketry and like training. 2,353,516; July 11.

Society of Chemical Industry in Basle, Swiss firm of. (See Moser, Eduard, assignor.)

Socony-Vacuum Oil Company. (See Oberright, Edward A., assignor.)

Socony-Vacuum Oil Company. (See Rill, Carroll N., assignor.)

Socony-Vacuum Oil Company. (See Sargent, E. L., and Oberright, assignors.)

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Coated metal. 2,353,198; July 11.

Somerville, Warren A., Jackson Heights, N. Y. Portable bowling alley. 2,353,598; July 11.

Sowash, Park K., South Arlington, Va. Fingerprinting apparatus. 2,353,420; July 11.

Spánel, Abraham N., New York, and W. F. Dester, Dover, Del.; said Dester assignor to said Spánel. Brush cover. 2,353,517; July 11.

Specht, Woldemar, Philadelphia, Pa., assignor to General Electric Company. Electrical apparatus. 2,353,518; July 11.

Specialties Development Corporation. (See Heigis, H. E., and Hannant, assignors.)

Sperry Gyroscope Company. (See Beach, Lennox F., assignor.)

Sperry, Philmore F., Chicago, Ill., assignor to Excel Auto Radiator Company. Heat exchange device. 2,353,274; July 11.

Spurr, Robert, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Mechanism for charging containers. 2,353,519; July 11.

Staley, A. E., Manufacturing Company. (See Durkee, Maurice M., assignor.)

Standard Catalytic Company. (See Sweetser, Sumner B., assignor.)

Standard Oil Company. (See Payne, Donald E., assignor.)

Standard Oil Company. (See Scheineman, Fred W., assignor.)

Standard Oil Company of California. (See Shiffler, W. H., and Elliott, assignors.)

Standard Oil Development Company. (See Hemminger, Charles E., assignor.)

Stanley, John W., Needham, Mass. Jelly glass. 2,353,520; July 11.

Staples, Crawford E., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,353,421; July 11.

Stark, Alfred A. (See Stoffel, L. L., and Stark.)

Steffens, Eugene C., Oak Park, Ill. Milk bottle cream dispenser. 2,353,521; July 11.

Steiner, Waldo L. (See Lincoln, B. H., and Steiner.)

Stern, Edward L., New York, N. Y. Container. 2,353,522; July 11.

Stewart, Joseph E., Detroit, Mich., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Measuring and delivering mechanism. 2,353,276; July 11.

Stewart, Robert J., and H. H. Franz, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Float valve for filling machine reesrvoirs. 2,353,277; July 11.

Stewart, Robert J., and H. J. Rever, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling machine. 2,353,523; July 11.

Stewart-Warner Corporation. (See Whitted, John B., assignor.)

Stieglitz, Henry M. (See Adam, F. B., and Stieglitz.)

Stockstrom, Arthur, and G. P. Eichelsbach, Jr., assignors to American Stove Company, St. Louis, Mo. Combination coal and gas range with automatic oven heat control. 2,353,278; July 11.

Stoffel, Lester L., and A. A. Stark, assignors to The Ohio Carbon Company, Cleveland, Ohio. Resistor for spark plugs. 2,353,199; July 11.

Stoffel, Lester L., Lakewood, and A. A. Stark, assignors to the Ohio Carbon Company, Cleveland, Ohio. Resistor for spark plugs. 2,353,322; July 11.

Stone, J., Company Limited. (See Hatcher, Ernest C., assignor.)

Stone, John B., Tulsa, Okla., assignor to The Dow Chemical Company, Midland, Mich. Preventing fluid loss from well holes into the surrounding earth. 2,353,372; July 11.

Stone, Vivien L., Omaha, Nebr. Fuel saver for internal combustion engines. 2,353,524; July 11.

Studebaker Corporation, The. (See Rerick, A. H., and Rausch, assignors.)

Stuer, Joseph, Lawrence, Mass. Bobbin transfer mechanism for looms with stationary magazines. 2,353,323; July 11.

Sullivan Machinery Company. (See Osgood, Charles F., assignor.)

Sundell, Knute, Waukegan, Ill., assignor to American Can Company, New York, N. Y. Can capping machine. 2,353,200; July 11.

Swan, Donald R., and C. G. Lindquist, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic gelatin layer containing a condensation product of an ethylol cyanamide with a fatty acid. 2,353,279; July 11.

Swann, Lewis H., and J. P. Bowen, Atlanta, Ga. Safety razor. 2,353,599; July 11.

Swartz, Charles A. (See Searles, Amos.)

Sweetser, Sumner B., Baton Rouge, La., assignor, by mesne assignments, to Standard Catalytic Company. Controlling temperature in exothermic chemical reactions. 2,353,600; July 11.

Swift, Gilbert. (See Pontecorvo, B., and Swift.)

Swisher, Murray T., Clairton, Pa. Computing measurement. 2,353,280; July 11.

Talbot, Curtis G., Scotia, N. Y., assignor to General Electric Company. Aircraft cabin supercharger system. 2,353,201; July 11.

Tampax Incorporated. (See McLaughlin, John R., assignor.)

Tautz, Herbert E., Englewood, Colo., assignor, by mesne assignments, to Delta Manufacturing Company, Milwaukee, Wis. Shaper. 2,353,202; July 11.

Taylor, Robert G., Hasbrouck Heights, and C. C. Honeywell, Teaneck, assignors to Bendix Aviation Corporation, Bendix, N. J. Electrical apparatus. 2,353,281; July 11.

Teague, Merwyn C., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Elastic fabric. 2,353,525; July 11.

Teletype Corporation. (See Potts, Louis M., assignor.)

Teletype Corporation. (See Sim, Gordon, assignor.)

Teletype Corporation. (See Zenner, Walter J., assignor.)

Ten Brink, Karl C. (See Garrison, A. D., and ten Brink.)

Terry, Harry W., et al. (See Gray, James D. M., assignor.)

Tetreau, Floribert H., Uxbridge, Mass. Stop means for looms. 2,353,324; July 11.

Texas Company, The. (See Garrison, A. D., and ten Brink, assignors.)

Thayer Company. (See Trendle, William C., assignor.)

Thiele, Ferdinand C. W., Hempstead, assignor to B. A. Proctor Company, Inc., New York, N. Y. Recording and reproducing signals. 2,353,422; July 11.

Thompson, Arthur J., Deer Lodge, Mont. Pump. 2,353,373; July 11.

Thompson, John S., Palo Alto, Calif. Clothes drier. 2,353,374; July 11.

Thompson Products Incorporated. (See Caserta, Michele, assignor.)

Thornton, Max H. (See Kraybill, H. R., Brewer, and Thornton.)

Tiedemann, Julius B., Milwaukee, and B. G. Winstrom, Granville, assignors to A. O. Smith Corporation, Milwaukee, Wis. Stock-feeding mechanism for swaging machines. 2,353,526; July 11.

Tinsley, John S., Highland Park, N. J., assignor to Hercules Powder Company, Wilmington, Del. Preparing mixed cellulose esters. 2,353,4523; July 11.

Tisdale, Leo S., Sr., Meridian, Miss. Automatic gun. 2,353,601; July 11.

Todd, Russell T., assignor to McKay Machine Company, Youngstown, Ohio. Roller leveler. 2,353,375; July 11.

Tokheim Oil Tank and Pump Company. (See Waugh, Paul E., assignor.)

Touceda, Enrique G., Loudonville, and D. A. Wilbur, Troy, assignors to Consolidated Car-Heating Company, Inc., Albany, N. Y. Ignition system. 2,353,527; July 11.

Triplett, Hugh A., Wilmette, assignor to Schweitzer-Conrad, Inc., Chicago, Ill. Circuit interrupting apparatus. 2,353,528; July 11.

Troendle, William C., assignor to Thayer Company, Gardner, Mass. Brake for baby carriages, etc. 2,353,325; July 11.

Troendle, William C., assignor to Thayer Company, Gardner, Mass. Safety stand for baby carriages. 2,353,326; July 11.

Trotter, Frank, Cristo, Cuba, assignor to Cuban-American Manganese Corporation, New York, N. Y. Method and apparatus for dewatering mineral concentrates. 2,353,602; July 11.

Turkington, Victor H., Mountain Lakes, L. R. Whiting, Woodbridge, and L. P. Rankin, Caldwell, N. J., assignors to Bakelite Corporation. Preparation of substituted phenols. 2,353,282; July 11.

Turner, Wellmore B., et al., executors. (See Sherman, J. Q., and Metzner.)

Underwood Elliott Fisher Company. (See Kurowski, Alfred G., assignor.)

Union Bag & Paper Corporation. (See Karlson, Karl R., assignor.)

Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)

Union Switch & Signal Company, The. (See Staples, Crawford E., assignor.)

United Gas Improvement Company, The. (See Soday, Frank J., assignor.)

United States Rubber Company. (See Arrington, Conard J., assignor.)

United States Rubber Company. (See Haefele, John W., assignor.)

United States Rubber Company. (See Harkins, Henry H., assignor.)

United States Rubber Company. (See Howland, Thomas J., assignor.)

United States Rubber Company. (See McGavack, John assignor.)

United States Rubber Company. (See Teague, Merwyn C., assignor.)

Universal Products Company Incorporated. (See Dunn, George E., assignor.)

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulator. 2,353,203; July 11.

Valentine, Richard H., Grosse Pointe Farms, assignor to General Motors Corporation, Detroit, Mich. Bearing mounting. 2,353,529; July 11.

Vancoppenolle, Jean, Caen, Calvados, France; vested in the Alien Property Custodian. Device for the suspension of vehicles. 2,353,603; July 11.

Vatter, Clifford C., assignor to The Bradley & Gilbert Company, Louisville, Ky. Container. 2,353,376; July 11.

Vaughn, John L., assignor of one-half to R. W. Hood, Chicago, Ill. Shockproof relay. 2,353,377; July 11.

Vaughn Machinery Company, The. (See McIlvried, Edwin J., assignor.)

Virginia Metal Industries, Inc. (See Gardner, Daniel, assignor.)

Vittum, Paul W., W. D. Peterson, and H. D. Porter, assignors to Eastman Kodak Company, Rochester, N. Y. Color-forming compound containing sulphonamide groups. 2,353,205; July 11.

Walker, William E., assignor of one-half to J. B. Rackley, Freer, Tex. Tank cleaning device. 2,353,530; July 11.

Ward Leonard Electric Company. (See Kouyoumjian, Haroutium K., assignor.)

Waring, Frederic M., Shawnee, Pa., and E. J. Lee, Jr., New Rochelle, N. Y., assignors to M. M. Kistner, Lakeside, Mich. Base unit for steam and electric irons. 2,353,604; July 11.

Warner Electric Brake Manufacturing Company. See Oetzel, John G., assignor.)

Warwick, James C., Beechhurst, N. Y., assignor to Radio Corporation of America. Error indicator for start-stop printers. 2,353,327; July 11.

Waters, Harry F., New York, N. Y. Bag. 2,353,605; July 11.

Watts, Albert E., Montreal, Quebec, Canada. Hot-air furnace. 2,353,060; July 11.

Waugh, Paul E., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Liquid dispensing device. 2,353,206; July 11.

Weber, John W. (See Bokum, W. F., and Weber.)

Weinerth, George S., Reading, Pa. Spark plug. 2,353,620; July 11.

Weissberger, Arnold. (See Peterson, W. D., and Weissberger.)

Well Surveys, Incorporated. (See Pontecorvo, B., and Swift, assignors).

Western Electric Company. (See Hoff, Wilbur L., assignor.)

Western Electric Company. (See King, John W., assignor.)

Western Electric Company. (See Larsen, Einer W., assignor.)

Western Electric Company. (See Martin, Samuel M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bender, John, assignor.)

Westinghouse Electric & Manufacturing Company. (See Huggins, Leroy G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Morton, Eldred O., assignor.)

Westinghouse Electric & Manufacturing Company. (See Woodman, Kenneth L., assignor.)

Weston Electric Instrument Corporation. (See Lamb, Anthony H., assignor.)

Weston Electrical Instrument Corporation. (See Lamb, Francis X., assignor.)

Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Charge transfer. 2,353,424; July 11.

White, Paul W., Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill. Adjustable strap and buckle therefor. 2,353,378; July 11.

Whitin Machine Works. (See Haggerty, E., Roy and Hargreaves, assignors.)

Whiting Corporation. (See Bock, George E., assignor.)

Whiting, Leo R. (See Turkington, V. H., Whiting and Rankin.)

Whiting Milk Company. (See Barrett, Wilmer D., assignor.)

Whitney, David B., Waterbury, Conn. Cap screw. 2,353,531; July 11.

Whittaker, Edward H., Jersey City, N. J. Flask charging and molding machine. 2,353,207; July 11.

Whitted, John B., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield wiper. 2,353,208; July 11.

Wilbur, Donald A. (See Touceda, E. G., and Wilbur.)

Williams, Josiah H., Baltimore, Md. Apparatus for making glass building blocks. 2,353,532; July 11.

Williams, Sophia O., Chicago, Ill. Diacetone composition. 2,353,209; July 11.

Williams, Sophia O., Chicago, Ill. Noncorrosive diacetone composition. 2,353,210; July 11.

Willson, Ernest J. (See Roosa, Vernon D., assignor.)

Wingfoot Corporation. (See Scott, Winfield, assignor.)

Winston, Sidney H., New York, N. Y. Card retainer attachment for cases. 2,353,328; July 11.

Winstrom, Bertil G. (See Tiedemann, J. B., and Winstrom.)

Wirth, Theodor. (See Knetch, O., and Wirth.)

Wittman, George F., Dayton, Ohio. Vertical internal grinding machine. 2,353,379; July 11.

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company. Sofa bed. 2,353,329; July 11.

Wood, Meek E., Filbert, S. C. Loading ramp. 2,353,533; July 11.

Woodhull, Frederick W., Millington, N. J., assignor of three per cent to F. H. R. Connell, Denning, N. Y., two per cent to D. Kuser, as trustee, and one and one-half per cent to L. M. Kuser, Bernardsville, N. J. Combined cocking device and rear sight for guns. 2,353,283; July 11.

Woodland, Cecil R. (See Simpson, L. M., and Woodland.)

Woodman, Kenneth L., Mansfield, Ohio., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Steam iron. 2,353,425; July 11.

Woods, John P. (See Merten, E., and Woods.)

Yale & Towne Manufacturing Company, The. (See Lock, Frank, assignor.)

Yost, Lloyd, Los Angeles, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Oil well drilling unit. 2,353,534; July 11.

Young, Henry G. W., Cambridge, Mass. Machine for cutting edibles. 2,353,607; July 11.

Young, Henry S., Jr., assignor to Hydraulic Brake Company, Detroit, Mich. Safety device. 2,353,535; July 11.

Zellweger, Carl, Zurich, Switzerland, assignor to International Standard Electric Corporation, New York, N. Y. Apparatus for converting multiphase alternating current, into direct current and vice versa. 2,353,427; July 11.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,353,608; July 11.

Zöliner, Hans. (See Conradty, O., and Zöliner.)

Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Web cutting and folding mechanism for printing machines. 2,353,609; July 11.

Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Electrical analysis. 2,353,211; July 11.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brake shoe mounting. S. Schnell. Re. 22,515; July 11.

Pipe, Smoking. F. J. Topp. Re. 22,516; July 11.
Signal apparatus. F. R. Bridges. Re. 22,514; July 11.

LIST OF DESIGN INVENTIONS

Adjuster for brakes or the like, Slack. E. Almdale. 138,238; July 11.
Bicycle. E. S. Boynton. 138,304; July 11.
Bit, Drill. J. B. Baker. 138,242; July 11.
Blaster, Smoking pipe. R. D. Jones. 138,287; July 11.
Border or similar article, Wallpaper. W. Burton. 138,246–51; July 11.
Border or similar article, Wallpaper. W. Burton. 138,257–62; July 11.
Bottle. G. Grunberg. 138,278–9; July 11.
Bottle and stopper, Combined. G. Grunberg. 138,281; July 11.
Bottle stopper. G. Grunberg. 138,280; July 11.
Bridge scorer. R. H. Benson and D. Root. 138,220; July 11.
Calculator, Tax. A. A. Golub and Z. Hartmann. 138,224; July 11.
Canopy and windshield, Combination aircraft. M. Berkow. 138,277; July 11.
Chair, Child's toilet. W. Jones. 138,252; July 11.
Clamp or similar article, Electric ground. L. O. Schneiderwind. 138,285; July 11.
Coat. S. Beck. 138,303; July 11.
Coat. A. Del Re. 138,305; July 11.
Coat. A. Gruber. 138,308; July 11.
Comb. S. Behr. 138,243; July 11.
Container, Coffee straining. T. P. Kouvallis. 138,227; July 11.
Dress. D. Minchenberg. 138,282; July 11.
Dress. R. Ryan. 138,284; July 11.
Earring or similar article. D. Kritzler. 138,299; July 11.
Educational device. J. V. Horr. 138,225; July 11.
Eductor, Liquid. P. Berman. 138,244; July 11.
Eraser or similar article, Pencil. R. L. Atkinson. 138,296; July 11.
Fabric, Textile. A. M. Kemper. 138,253–4; July 11.
Fabric, Woven textile. J. L. Walther. 138,301–2; July 11.
Frame, Eyeglass. J. Bendix and E. Halouze. 138,219; July 11.
Game board. A. W. Glenn. 138,223; July 11.
Game board, Target. E. B. Taylor. 138,272; July 11.
Leather, Embossed. L. I. Freedman. 138,263–5; July 11.
Level, Spirit. W. A. Honeyman. 138,226; July 11.
Mask, Swimmer's. C. H. Wilen. 138,286; July 11.
Opener or similar article, Carton. W. J. Guenther. 138,266; July 11.
Paper or the like. E. A. Whiteford. 138,273; July 11.
Pin or the like. S. B. Shapiro. 138,270; July 11.
Power unit with limit switch control. W. P. Lear. 138,289; July 11.
Projecter, Mobile sound. W. C. Eaves. 138,297; July 11.
Projectile. N. W. LaClair. 138,288; July 11.
Roaster and cooker, Combined electric. J. Springwell. 138,271; July 11.
Scarf, Head. K. Fuchs. 138,306; July 11.
Sewing accessory or similar article. J. Mariani. 138,255; July 11.
Slipper, Alpaca fur. A. Camerle. 138,221; July 11.
Slipper, Alpaca fur and lampskin. A. Camerle. 138,222; July 11.
Stylus, Phonograph. L. J. Andres. 138,275–6; July 11.
Suit. A. Gruber. 138,307; July 11.
Switch actuator. S. G. Ransome. 138,283; July 11.
Swivel body element. F. E. Anderson. 138,239; July 11.
Swivel body member. F. E. Anderson. 138,240–1; July 11.
Tablecloth, Lace. F. P. Otto. 138,267–9; July 11.
Tablecloth, Lace. W. Wolf. 138,274; July 11.
Tank, Trailer. R. A. Bradley. 138,245; July 11.
Tile, Wall. J. N. McCammon. 138,256; July 11.
Toy. F. L. Weireter. 138,237; July 11.
Toy animal block. E. Nudelman. 138,229; July 11.
Toy erector block. E. Nudelman. 138,228; July 11.
Toy, Infant's suspension bar. E. Nudelman. 138,230, July 11.
Toy, Puppet. R. K. Ostrander. 138,290–4; July 11.
Tray, Ash. S. L. Gerson. 138,298; July 11.
Tray or the like, Ash. E. R. Wood. 138,295; July 11.
Trimming or similar article, Embroidered. H. Tobler. 138,231–6; July 11.
Wheelbarrow. W. F. Piper and J. J. Soldat. 138,300; July 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article. G. F. Keeleric. 2,353,404; July 11.
Actuating means, Impact element. B. W. Snodgrass 2,353,321; July 11.
Actuating means. C. H. Millerwise. 2,353,350; July 11.
Adjustable pin gauge. W. E. Donath. 2,353,297; July 11.
Adjustable transformer. C. P. Boucher. 2,353,542; July 11.
Agent for lubricating oil and making same, Addition. F. C. Gzemski. 2,353,558; July 11.
Air conditioning apparatus. J. M. Harris, Jr. 2,353,237; July 11.
Air conditioning apparatus. L. G. Huggins. 2,353,240; July 11.
Air conditioning system. W. H. Carrier. 2,353,144; July 11.
Air washing apparatus. A. J. Dalton. 2,353,548; July 11.
Aircraft cabin supercharger system. C. G. Talbot. 2,353,201; July 11.
Aircraft control. J. D. M. Gray. 2,353,303; July 11.
Aircraft precision flight indicator. C. Adler, Jr. 2,353,380; July 11.
Aliphatic alcohols, Oxidation of lower. D. C. Hull. 2,353,157–60; July 11.
Anchor, Nut. J. R. Leisure. 2,353,252; July 11.
Antislipping device. E. Medina. 2,353,483; July 11.
Apparatus for classifying and separating particles of materials of different specific gravities. J. A. Brusset. 2,353,543; July 11.
Apparatus for cleaning pipe. A. B. Carpmail. 2,353,125; July 11.
Apparatus for controlling gaseous atmosphere. H. H. Barber. 2,353,538; July 11.
Apparatus for controlling the slide movement in long bed hydraulic presses. E. Cannon. 2,353,388–9; July 11.
Apparatus for converting multiphase alternating current into direct current and vice versa. C. Zellweger. 2,353,427; July 11.
Apparatus for focusing cameras. J. Mihalyi. 2,353,257; July 11.
Apparatus for forming cords. C. J. Arrington. 2,353,432; July 11.
Apparatus for gauging tubular objects. R. E. J. Nordquist. 2,353,184; July 11.
Apparatus for handling and operating on materials. J. Sinkovitz. 2,353,196; July 11.
Apparatus for making glass building blocks. J. H. Williams. 2,353,532; July 11.
Apparatus for releasing the fibers from straw, or other fibrous material. R. I. Newcomb. 2,353,489; July 11.
Apparatus for rolling strip metal. R. G. Bennewitz. 2,353,288; July 11.
Applicators, Method of and apparatus for inserting plugs into. J. R. McLaughlin. 2,353,174; July 11.
Arm for rearview mirrors and the like, Supporting. O. C. Ritz-Woller. 2,353,588; July 11.
Armature construction. R. M. Heintz and P. F. Scofield. 2,353,336; July 11.
Aromatic compounds, Monomercurating. K. A. Kobe and T. F. Doumani. 2,353,312; July 11.
Article grading device. S. H. Beach. 2,353,539; July 11.
Auto body wrecking press. P. Clifton and E. C. Keseler. 2,353,221; July 11.
Automatic blank feeder. H. Bobst. 2,353,214; July 11.
Automatic control for heat transfer systems. S. P. Miller. 2,353,486; July 11.
Automatic gun. L. S. Tisdale, Sr. 2,353,601; July 11.
Automatic heating system. G. L. Cheasley. 2,353,146; July 11.
Automatic loom shuttle. H. E. Foster. 2,353,611; July 11.
Automatic selectivity control for radio receivers. E. N. Muller. 2,353,180; July 11.
Automatic shutoff valve. D. Samiran. 2,353,191; July 11.
Bag. H. F. Waters. 2,353,605; July 11.
Bag and making same. K. R. Karlson. 2,353,311; July 11.
Bags, Making impervious. A. B. Haslacher. 2,353,402; July 11.
Barrels, Manufacturing. W. R. Anderson. 2,353,134; July 11.
Basket liner. H. H. Niederauer. 2,353,183; July 11.
Basket liners, Forming. H. H. Niederauer. 2,353,182; July 11.
Batching plant, Concrete. E. Moss. 2,353,487; July 11.
Bearing mounting. R. H. Valentine. 2,353,529; July 11.
Bed pan cover. L. J. Kiser. 2,353,245; July 11.
Bed, Sofa. E. E. Woller. 2,353,329; July 11.
Belt, Driving. A. F. Shields. 2,353,595; July 11.
Bobbin transfer mechanism for looms with stationary magazines. J. Stuer. 2,353,323; July 11.
Boiler: *See*—
Locomotive boiler.
Bore sighting instrument. A. B. Simmons and J. H. Eagle. 2,353,272; July 11.
Bowling alley, Portable. W. A. Somerville. 2,353,598; July 11.
Box: *See*—
Burglar alarm control box.
Box and blank for making same, Folding. I. Dorfman. 2,353,298; July 11.
Bracket: *See*—
Wall bracket.
Brake control mechanism, Hydraulic. C. L. Green. 2,353,304; July 11.
Brake for baby carriages, etc. W. C. Troendle. 2,353,325; July 11.
Breast strap fastener. A. B. Muller. 2,353,316; July 11.
Brush cover. A. N. Spánel and W. F. Dester. 2,353,517; Brush scraper and bail holder, Combined. A. J. Gore. 2,353,555; July 11.
Bucking tool. J. L. Hajek, Jr. 2,353,559; July 11.
Builder mechanism. E. Haggerty, A. O. Roy, and R. Hargreaves. 2,353,330; July 11.
Bullet spinning machine. T. J. Dietz. 2,353,150; July 11.
Burglar alarm control box. A. W. Fruh. 2,353,452; July 11.
Bursting disk. E. L. McCandless. 2,353,254; July 11.
Bushing fitting and placement tool. J. P. Johnson. 2,353,564; July 11.
Bushing, Drill. G. K. Day. 2,353,295; July 11.
Buttering machine. A. W. Kiehn. 2,353,474; July 11.
Cabinet structure. H. Hall. 2,353,331; July 11.
Cable slicer. J. G. Demetropoulos. 2,353,128; July 11.
Cable tensioning and releasing means. E. C. Hatcher. 2,353,562; July 11.
Camera adjusting mechanism. H. O. Drotning. 2,353,227; July 11.
Can: *See*—
Deep well dump can.
Can capping machine. K. Sundell. 2,353,200; July 11.
Can drainer. K. A. Leuschner. 2,353,343; July 11.
Can handling machine, Opposed spiral. F. A. Fahey. 2,353,393; July 11.
Capping apparatus. C. Hobbs. 2,353,400; July 11.
Capping machine. C. Hobbs. 2,353,156; July 11.
Car: *See*—
Dump car.
Carbon bodies, Connection of. O. Conradty and H. Zöllner. 2,353,444; July 11.
Cargo handling apparatus. J. A. Dorst. 2,353,135; July 11.
Case: *See*—
Spectacle case.
Casting machine, Centrifugal. N. Janco. 2,353,339; July 11.
Catalysts, Reactivation of. W. A. Schulze. 2,353,508; July 11.
Catalytic conversion system. D. E. Payne. 2,353,495; July 11.
Catalytic conversion system. F. W. Scheineman. 2,353,505; July 11.
Catch, Safety. E. Morehouse. 2,353,581; July 11.
Cellulose acetate, Manufacture of. C. J. Malm and L. W. Blanchard, Jr. 2,353,255; July 11.
Cellulose esters, Preparing mixed. J. S. Tinsley. 2,353,423; July 11.
Cellulose powder. J. Kent. 2,353,243; July 11.
Change-speed transmission. O. H. Banker. 2,353,137; July 11.
Charge transfer. H. H. Wheeler. 2,353,424; July 11.
Check and closer, Combined door. C. A. Berg. 2,353,384; July 11.
Chuck. J. J. Seme. 2,353,371; July 11.
Cigarette-making device. F. J. Jurek. 2,353,340; July 11.
Cigarette package. K. M. Foley. 2,353,395; July 11.
Cineole from hydrocarbons, Separation of. D. H. Sheffield. 2,353,319; July 11.
Circuit: *See*—
Frequency modulation receiver circuit.
Circuit breaker, Reclosing. E. A. Ileman. 2,353,470; July 11.

Circuit interrupting apparatus. H. A. Triplett. 2,353,528; July 11.
Clamping device. W. H. Lamb. 2,353,248; July 11.
Cleaning machine. A. P. Schulz. 2,353,368; July 11.
Clip: *See*—
Connector clip.
Wide molding snap-on clip.
Clip and pencil holder. E. B. Briggs. 2,353,385; July 11.
Clothes drier. J. S. Thompson. 2,353,374; July 11.
Coal and gas range with automatic oven heat control, Combination. A. Stockstrom and G. P. Elchelsbach, Jr. 2,353,278; July 11.
Cocking device and rear sight for guns, Combined. F. W. Woodhull. 2,353,283; July 11.
Collapsible tube. B. E. Harman. 2,353,463; July 11.
Color forming compound containing sulphonamide groups. P. W. Vittum, W. D. Peterson, and H. D. Porter. 2,353,205; July 11.
Compensator for automatic feeds. W. F. Bokum and J. W. Weber. 2,353,541; July 11.
Compensator for riveting machines, Automatic thickness. W. Johndrew. 2,353,471; July 11.
Composition material, Loose-fill. C. H. Schuh. 2,353,271; July 11.
Composition toxic to lower forms of life. E. C. Callaway and R. G. Rosenstiel. 2,353,442; July 11.
Connector clip. J. Bender. 2,353,286; July 11.
Constant load transmission. V. V. Haugh. 2,353,334; July 11.
Container: *See*—
Dispensing container.
Container. E. L. Stern. 2,353,522; July 11.
Container. C. C. Vatter. 2,353,376; July 11.
Container and making same. G. A. Moore. 2,353,178; July 11.
Container pressure withstanding testing device. T. A. St. Clair. 2,353,275; July 11.
Control device for liquid fuel burners. B. Hayter and S. Perry. 2,353,464; July 11.
Control device. R. M. Heintz and B. G. Carlson. 2,353,335; July 11.
Control means for power-operated machinery. M. T. Knutzen. 2,353,246; July 11.
Controlling structure, Oil cooler. H. L. Chisholm, Jr. 2,353,546; July 11.
Couplers, Preventing crystallization of. W. D. Peterson. 2,353,262; July 11.
Coupling and locking unit, Flange. W. H. Kuster and E. A. Glynn. 2,353,572; July 11.
Coupling sleeve for tubular piling. P. E. Hassett. 2,353,561; July 11.
Cover: *See*—
Bed pan cover. Brush cover.
Covering material for textile drawing and feeding rolls. H. H. Harkins. 2,353,462; July 11.
Curler, Hair. W. H. Schmitt. 2,353,366; July 11.
Cutting machine. E. Schutz. 2,353,590; July 11.
Cylindrical work hanger. J. A. Carpenter and M. E. McGill. 2,353,443; July 11.
Damping device for electrical instruments. F. X. Lamb. 2,353,617–8; July 11.
Deck, Portable. G. G. Greulich. 2,353,398; July 11.
Deep well dump can. H. H. Greene. 2,353,458; July 11.
Device for automatically compensating effect of centrifugal forces on vehicles. H. F. Rost and K. J. Lindblom. 2,353,503; July 11.
Device for mechanical recording. A. Cramwinckel and C. J. Dippel. 2,353,547; July 11.
Device for overcoming effects of shocks. H. K. Kouyoumjian. 2,353,406; July 11.
Device for the suspension of vehicles. J. Vancoppenolle. 2,353,603; July 11.
Device for use in musketry and like training. S. Sochaczewski. 2,353,516; July 11.
Dewatering mineral concentrates, Method and apparatus for. F. Trotter. 2,353,602; July 11.
Diacetone composition. S. O. Williams. 2,353,209; July 11.
Diacetone composition, Noncorrosive. S. O. Williams. 2,353,210; July 11.
Diamond tool. D. R. Hammill and L. Small. 2,353,236; July 11.
Dicyanostilbenes, Preparation of. H. J. Barber. 2,353,434; July 11.
Die. F. W. Livermont. 2,353,253; July 11.
Dimpling machine with ejector for broken pins. H. R. Fischer. 2,353,451; July 11.
Dimpling tool. H. R. Fischer. 2,353,450; July 11.
Dispenser: *See*—
Holder and dispenser.
Milk bottle cream dispenser.
Dispensing container. L. Frank. 2,353,132; July 11.
Dispensing container. F. C. Gluck and R. C. McCaskey. 2,353,456; July 11.
Dispensing container. J. Okies. 2,353,355; July 11.
Dispensing nozzle signal. F. E. Neef, Jr. 2,353,181; July 11.
Distributor mechanism for controlling the release of bombs or the like. L. M. Simpson and C. R. Woodland. 2,353,417; July 11.
Door mounting. E. E. Pierce. 2,353,263; July 11.
Door structure, Wooden. J. V. Lindsley. 2,353,573; July 11.
Draft hood. L. C. Morris. 2,353,179; July 11.
Draw frame. H. O. Hess. 2,353,338; July 11.
Drawer attachment for automobiles. A. P. Cotton. 2,353,391; July 11.
Drier: *See*—
Clothes drier.
Drilling fluids, Conditioning of. A. D. Garrison and K. C. ten Brink. 2,353,230; July 11.
Drive fastener. E. A. Miller. 2,353,579; July 11.
Driving means for electrically propelled vehicles. E. A. Binney. 2,353,436; July 11.
Duct, Wire. F. B. Adam and H. M. Stieglitz. 2,353,121; July 11.
Dump car. R. W. Joy. 2,353,310; July 11.
Dyestuffs and dyestuff intermediates. J. D. Kendall and D. J. Fry. 2,353,164; July 11.
Earth mover. E. W. Austin. 2,353,120; July 11.
Easel. S. P. Moore. 2,353,625; July 11.
Edible products, Decorating. C. E. Seagren. 2,353,594; July 11.
Educational device. J. V. Horr. 2,353,238; July 11.
Elastic fabric. M. C. Teague. 2,353,525; July 11.
Electric apparatus. T. T. Short. 2,353,511; July 11.
Electric circuit interruptor. J. D. Gayer, E. J. Frank and A. C. Boisseau. 2,353,453; July 11.
Electric furnace. D. Gardner. 2,353,614; July 11.
Electric motor. J. L. Hamilton. 2,353,235; July 11.
Electric motor and making same. A. W. Haydon. 2,353,305; July 11.
Electric space heater. J. J. Kuettel. 2,353,247; July 11.
Electric traveling hoist. G. E. Bock. 2,353,437; July 11.
Electrical analysis. T. Zuschlag. 2,353,211; July 11.
Electrical apparatus. R. M. Nardone. 2,353,317; July 11.
Electrical apparatus. J. M. Roberts. 2,353,268; July 11.
Electrical apparatus. W. Specht. 2,353,518; July 11.
Electrical apparatus. R. G. Taylor and C. C. Honeywell. 2,353,281; July 11.
Electrical connector for tubes. K. McLaughlin. 2,353,348; July 11.
Electrical relay. P. H. Crago. 2,353,392; July 11.
Electrical relay. A. H. Lamb. 2,353,616; July 11.
Electrode holder. P. Bourque. 2,353,123; July 11.
Electromagnetic friction device. J. G. Oetzel. 2,353,185; July 11.
Endless track vehicle. G. R. G. Gates. 2,353,554; July 11.
Engine: *See*—
Internal-combustion engine.
Engine. E. Ginn. 2,353,231; July 11.
Enlarger, Photographic. A. Simmon. 2,353,512; July 11.
Enlarger, Portable photographic. A. Simmon. 2,353,513; July 11.
Evaporator. F. S. Dexter. 2,353,551; July 11.
Exhibitor, Animated. H. Pullen. 2,353,265; July 11.
Explosive charge, High-density. M. A. Cook and C. O. Davis. 2,353,147; July 11.
Exposure meter. G. Keinath. 2,353,163; July 11.
Fabric: *See*—
Elastic fabric.
Fastener: *See*—
Breast strap fastener. Rail fastener.
Drive fastener.
Fastening device. A. P. Belanger. 2,353,140; July 11.
Fastening device. E. Gisondi. 2,353,455; July 11.
Feeder: *See*—
Automatic blank feeder. Hog feeder.
Fender shield. A. P. Ferguson. 2,353,553; July 11.
Fifth wheel construction. F. M. Reid. 2,353,267; July 11.
Filling machine. R. J. Stewart and H. J. Rever. 2,353,523; July 11.
Film holder for photographic enlargers. C. J. Hughey. 2,353,241; July 11.
Film processing machine. J. G. Capstaff. 2,353,219; July 11.
Film sheets, Making. D. Schachar. 2,353,504; July 11.
Filter: *See*—
Fluid filter.
Finger exerciser, Surgical cast-supported. J. A. De Mona. 2,353,129; July 11.
Finger-printing apparatus. P. K. Sowash. 2,353,420; July 11.
Fishhook retriever. E. Paulick. 2,353,357; July 11.
Fixture and hinge bracket therefor. R. S. Sanford. 2,353,365; July 11.
Flange spreader. J. Saul. 2,353,623; July 11.
Flask charging and molding machine. E. H. Whittaker. 2,353,207; July 11.
Flatiron and the like, Electric. C. W. Elsenheimer. 2,353,151; July 11.
Float valve for filling machine reservoirs. R. J. Stewart and H. H. Franz. 2,353,277; July 11.
Floor structure, Wooden. J. V. Lindsley. 2,353,573; July 11.
Flotation apparatus. H. E. Helgis and T. N. Hannant. 2,352,161; July 11.
Fluid filter. J. F. Auberschek. 2,353,433; July 11.

Fluid flow control device. A. U. Bryant. 2,353,143; July 11.
Fluid transfer mechanism. M. Caserta. 2,353,545; July 11.
Fluids of different temperatures and densities, Mixing. A. V. and A. W. Sims. 2,353,195; July 11.
Folding and delivery mechanism. C. S. Crafts. 2,353,445; July 11.
Food product. S. B. Harris. 2,353,333; July 11.
Footrest and chair, Combination. G. R. Smith. 2,353,418; July 11.
Frame: *See*—
Draw frame.
Frequency modulation. D. M. Kaltenbacher. 2,353,162; July 11.
Frequency modulation receiver circuit. P. F. G. Holst and L. R. Kirkwood. 2,353,468; July 11.
Frequency modulator. G. L. Usselman. 2,353,203; July 11.
Fruit syrup. V. C. E. Le Gloahec. 2,353,251; July 11.
Fuel producing machine. C. J. McCormick. 2,353,481; July 11.
Fuel pump. V. D. Roosa. 2,353,188; July 11.
Fuel saver for internal-combustion engines. V. L. Stone. 2,353,524; July 11.
Fuel supply. J. Kleparis. 2,353,341; July 11.
Fuel system, Hydraulic. J. M. Roth and L. G. Burns. 2,353,269; July 11.
Furnace: *See*—
Electric furnace. Hot-air furnace.
Furniture construction. A. J. O'Leary. 2,353,356; July 11.
Fuse assembly and heater therefor, High-tension. T. F. Johnson. 2,353,242; July 11.
Gasoline, Manufacture of. E. C. Herthel. 2,353,399; July 11.
Gauge: *See*—
Adjustable pin gauge. Wear compensating thread gauge.
Combined pressure and vacuum gauge.
Remote reading electric indicator gauge.
Generator: *See*—
Quenched electric oscillation generator.
Geophysical prospecting. B. Pontecorvo and G. Swift. 2,353,619; July 11.
Glass, Black. M. E. Nordberg. 2,353,354; July 11.
Glass, Jelly. J. W. Stanley. 2,353,520; July 11.
Goods, Heating. H. O. Kauffmann and E. S. Shanley. 2,353,615; July 11.
Grinding machine. B. Ford. 2,353,131; July 11.
Grinding machine, Vertical internal. G. F. Wittman. 2,353,379; July 11.
Gun sight. B. L. Gorman. 2,353,133; July 11.
Halogenation process. C. E. Hemminger. 2,353,563; July 11.
Hammock, Canopy. E. Charlop. 2,353,220; July 11.
Hanger: *See*—
Cylindrical work hanger.
Harvester, Shocking. D. MacLean, J. E. Eldridge, and P. Cravits, Jr. 2,353,172; July 11.
Head sets, Diagnostic. W. A. Arnesen. 2,353,537; July 11.
Heat control system. S. P. Miller. 2,353,627; July 11.
Heat exchanger. E. Gygax. 2,353,233; July 11.
Heat exchange device. P. F. Sperry. 2,353,274; July 11.
Heater: *See*—
Electric space heater.
Hinge. R. Marple. 2,353,175; July 11.
Hog feeder. W. Cecil. 2,353,126; July 11.
Hoist. F. Lock. 2,353,479; July 11.
Holder: *See*—
Combined brush scraper and bail holder. Electrode holder.
Clip and pencil holder.
Holder and dispenser. M. J. Fletcher. 2,353,301; July 11.
Honing device for choked engine cylinders. R. W. McClure. 2,353,409; July 11.
Hood for stoves. L. C. Kester. 2,353,244; July 11.
Hopper nozzle. H. H. Logan. 2,353,346; July 11.
Horseshoe. G. A. A. King. 2,353,568; July 11.
Hose pipes, Manufacture of. D. E. F. Canney. 2,353,387; July 11.
Hot-air furnace. A. E. Watts. 2,353,606; July 11.
Hot plate, Baby. A. Bartsch. 2,353,383; July 11.
Housing and making same. R. M. Heintz and D. J. Conant. 2,353,466; July 11.
Hydrocarbon conversion. W. A. Schulze and C. J. Helmers. 2,353,509; July 11.
Hydrocarbons, Cracking and reforming of. J. Noorduyn. 2,353,490; July 11.
Hydrocarbon fluids, Treating. R. F. Ruthruff. 2,353,624; July 11.
Hydrocarbon reaction. W. H. Shiffler and L. P. Elliott. 2,353,596; July 11.
Hydrocarbons and alkyl esters from mixtures thereof, Separating and recovering. F. M. Pyzel. 2,353,500; July 11.
Icing. J. A. Joffe. 2,353,307; July 11.
Icing. S. F. and J. A. Joffe. 2,353,308; July 11.
Ignition system. E. G. Touceda and D. A. Wilbur. 2,353,527; July 11.
Implement holder or pocket. S. Reynolds. 2,353,502; July 11.
Inclinometer. G. M. Reininger. 2,353,586; July 11.
Incubator, Hospital. P. D. Abbott and M. W. Graney. 2,353,536; July 11.
Indicator: *See*—
Aircraft precision flight indicator. Tire pressure indicator.
Indicator for air-method cleaning systems, Dust. D. B. Replogle. 2,353,621; July 11.
Indicator for start-stop printers, Error. J. C. Warwick. 2,353,327; July 11.
Induction heating apparatus. P. E. Dravneek. 2,353,130; July 11.
Iron: *See*—
Steam iron.
Inspection apparatus. A. C. Davis. 2,353,127; July 11.
Insulating tape. C. M. Patten and C. E. Bryant, Jr. 2,353,494; July 11.
Internal-combustion engine. H. F. Davidson. 2,353,446; July 11.
Internal-combustion engine. F. A. Lane. 2,353,313; July 11.
Interlocking device, Combination. J. V. Schraig. 2,353,507; July 11.
Iron ores and recovery of by-product values, Beneficiation of. D. Gardner. 2,353,613; July 11.
Irrigating device, Clinical. C. B. Ferrel. 2,353,153; July 11.
Isomerization of hydrocarbons, Process and catalysts for the. H. E. Drennan. 2,353,552; July 11.
Joint: *See*—
Universal joint.
Knife. L. Silver. 2,353,416; July 11.
Knife, Instant field. A. J. Guthrie. 2,353,557; July 11.
Knitting by mechanical means, Production of. H. N. and E. E. Smith. 2,353,197; July 11.
Laminated gas, Making. L. D. Kesler. 2,353,473; July 11.
Lawn renovating machine. S. J. Lindskog. 2,353,345; July 11.
Leakage in gas lines, Detecting and measuring. M. E. Benesh. 2,353,287; July 11.
Leather, Treatment of chrome-tanned. J. M. Grim and J. G. Niedercorn. 2,353,556; July 11.
Lighting device. G. Mott, Jr. 2,353,258; July 11.
Liquid dispensing device. P. E. Waugh. 2,353,206; July 11.
Liquids which have nonliquid ingredients, Method of and apparatus for spray-drying. M. F. Gruber. 2,353,459; July 11.
Loader, Clip. A. F. Giese. 2,353,397; July 11.
Locomotive boiler. B. E. Larson. 2,353,167–8; July 11.
Loom. W. Price. 2,353,415; July 11.
Loom feeler mechanism. A. E. Benson. 2,353,540; July 11.
Loss from well holes into the surrounding earth, Preventing fluid. J. B. Stone. 2,353,372; July 11.
Lubricant. B. H. Lincoln and W. L. Steiner. 2,353,169–70; July 11.
Lubricating composition. C. F. Prutton and A. K. Smith. 2,353,585; July 11.
Lumber handling table. G. A. Horstkotte. 2,353,239; July 11.
Machine and method for making certain rubber goods. F. J. Maywald, Jr. 2,353,256; July 11.
Machine for applying decalcomanias. W. M. Muir. 2,353,352; July 11.
Machine for cutting edibles. H. G. W. Young. 2,353,607; July 11.
Machine for forming box blanks. E. S. Smithson. 2,353,419; July 11.
Machine tool drive support. W. C. Heath. 2,353,465; July 11.
Magazine, Razor blade. S. H. Benjamin. 2,353,141; July 11.
Magnesium, Recovery of metallic. R. R. Sayers. 2,353,193; July 11.
Magnet, Permanent. A. V. de Forest and F. B. Doane. 2,353,550; July 11.
Material handling apparatus. J. W. King. 2,353,405; July 11.
Measurement, Computing. M. T. Swisher. 2,353,280; July 11.
Measuring and delivering mechanism. J. E. Stewart. 2,353,276; July 11.
Measuring device. W. D. Hall. 2,353,155; July 11.
Meter: *See*—
Exposure meter.
Mechanism for charging containers. R. Spurr. 2,353,519; July 11.
Mechanism for drawing wire. E. J. McIlvried. 2,353,576; July 11.
Mechanism for window sashes, Adjusting. A. B. Brown. 2,353,217; July 11.
Metal, Coated. F. J. Soday. 2,353,198; July 11.
Metal combinations of alloys, Producing. D. Gardner. 2,353,612; July 11.
Metal plate construction. R. Paulsen. 2,353,260; July 11.
Metalworking machinery. D. E. Mills, W. H. H. Drake, and H. E. Laubach. 2,353,580; July 11.

Metallic packing. J. Driscoll and W. M. DeWitt, Sr. 2,353,226; July 11.
Milk bottle cream dispenser. E. C. Steffens. 2,353,521; July 11.
Milling machine. N. M. Marsillus. 2,353,480; July 11.
Milling tool. G. J. Barrett. 2,353,284; July 11.
Mine sweeping and disabling apparatus. A. Ronning. 2,353,360; July 11.
Minerals, Concentrating. L. J. Erck. 2,353,152; July 11.
Mining machine. C. F. Osgood. 2,353,414; July 11.
Molding apparatus, Extrusion. W. C. Rudd. 2,353,362; July 11.
Molding composition, Polystyrene. F. W. Ducca. 2,353,228; July 11.
Molding, Price ticket. L. Hopp. 2,353,469; July 11.
Motor: *See*—
Electric motor.
Motor fuel, Production of. K. H. Hachmuth. 2,353,234; July 11.
Motor vehicle. E. G. Reid. 2,353,266; July 11.
Mounting: *See*—
Bearing mounting. Door mounting.
Brake shoe mounting. Shaft mounting.
Mounting means construction, Propeller. T. R. Arden. 2,353,431; July 11.
Munitions and tactical use of the same. C. D. Bourcier. 2,353,386; July 11.
Nail, Lead head. J. S. Maze. 2,353,315; July 11.
Nozzle for desurfacing metal. A. P. Scheller. 2,353,318; July 11.
Ocular and mathematical computation device, Combined. C. M. Johnson. 2,353,309; July 11.
Oil composition and method thereof, Stabilized fuel. E. L. Sargent and E. A. Oberright. 2,353,192; July 11.
Oil composition, Lubricating. E. A. Oberright. 2,353,491; July 11.
Oil cooler controlling structure. H. L. Chisholm, Jr. 2,353,610; July 11.
Oil distillation purifier, Absorption. C. O. Meyers. 2,353,176; July 11.
Oil, Hydrogenation of. M. M. Durkee. 2,353,229; July 11.
Oil, Inhibiting foaming of viscous petroleum. C. N. Rill. 2,353,587; July 11.
Oil, moisture, and gas separator. E. J. Beach. 2,353,138; July 11.
Oil saver. W. J. Miller. 2,353,412; July 11.
Oil sump drain valve. J. J. Hennessy. 2,353,467; July 11.
Oil temperature regulating structure. G. M. Magrum, H. L. Chisholm, Jr., and A. D. Hodge. 2,353,577; July 11.
Oil well drilling unit. L. Yost. 2,353,534; July 11.
1-aminobenzene-4-sulpho-2-carboxylic acid, Manufacture of. E. Moser. 2,353,351; July 11.
Optical view finder. E. K. Kaprelian. 2,353,565; July 11.
Parachute opening device, Automatic. P. K. Bresee. 2,353,440; July 11.
Package feeding or dispensing apparatus. P. M. Farmer. 2,353,394; July 11.
Pencil, Mechanical. F. P. Moore. 2,353,177; July 11.
Phenols, Preparation of substituted. V. H. Turkington, L. R. Whiting, and L. P. Rankin. 2,353,282; July 11.
Phenothiazine, Purification of. E. C. Britton and J. E. Eisenman. 2,353,292; July 11.
Phonograph turn-table, Multiple speed. R. W. Sears, II. 2,353,370; July 11.
Phosphatide material from vegetable oils containing it, Adsorption recovery of. H. R. Kraybill, P. H. Brewer, and M. H. Thornton. 2,353,571; July 11.
Photographic apparatus for making periodic time-recorded exposures. H. J. Fowler. 2,353,154; July 11.
Photographic gelatin layer containing a condensation product of an ethylol cyanamide with a fatty acid. D. R. Swan and C. G. Lindquist. 2,353,279; July 11.
Photographic printing apparatus. B. Burnham and E. Hoag. 2,353,218; July 11.
Photography, Color. C. Schettler and E. F. T. Schenk. 2,353,506; July 11.
Photometer. W. S. Kinnard. 2,353,475; July 11.
Picker and making same. W. Gillet, E. L. Morris, and D. A. Ahlstrand. 2,353,454; July 11.
Piezoelectric crystals, Forming. C. W. MacConnell. 2,353,171; July 11.
Pilot support and air-feed for pot type burners. J. L. Breese and M. D. Hudson. 2,353,439; July 11.
Pin: *See*—
Safety pin.
Pitman attachment. J. E. Kiper. 2,353,476; July 11.
Platen hand wheel. G. Sim. 2,353,597; July 11.
Platen press for the working of blanks such as cardboard blanks. H. Bobst and J. Küry. 2,353,215; July 11.
Platen rolls, Making. J. Q. Sherman and A. W. Metzner. 2,353,194; July 11.
Plug: *See*—
Spark plug.
Poster, Advertising. F. H. Rasmussen. 2,353,359; July 11.
Pot type burner and delivery of secondary air. J. Breese. 2,353,438; July 11.
Power supply for radio receivers, Vibrator. E. F. Andrews. 2,353,429; July 11.
Power transmission, Variabl-speed. W. Edlich. 2,353,448; July 11.
Precipitation and coagulation. F. D. Prager. 2,353,358; July 11.
Preselecting and tuning mechanism, Program. F. H. Owens. 2,353,186; July 11.
Press: *See*—
Auto body wrecking press.
Printing telegraph apparatus. W. J. Zenner. 2,353,608; July 11.
Propeller, Screw. A. Rupp. 2,353,190; July 11.
Propeller, Variable-pitch. C. Keller. 2,353,566; July 11.
Protective device for drills. J. P. Slater. 2,353,514; July 11.
Protector: *See*—
Shirt and collar protector.
Pump: *See*—
Fuel pump.
Pump. A. J. Thompson. 2,353,373; July 11.
Punch and stripper, Hydraulic. O. Mueller. 2,353,488; July 11.
Punching and reinforcing device. H. J. Greene. 2,353,232; July 11.
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Rubber from cryptostegia, Obtaining. J. McGavack. 2,353,482; July 11.
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Threading closure caps. A. L. Merolle. 2,353,349; July 11.
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CLASSIFICATION OF PATENTS

ISSUED JULY 11, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1944

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE LANGEL

No. 4,856. Decided March 6, 1944

[141 F.(2d) 505]

PATENTABILITY—SHEET METAL.

A claim to a method of producing a stippled effect in a sheet of metal *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Messrs. Zabel, Carlson, Gritzbaugh and *Wells* (*Mr. W. Bayard Jones* of counsel) for Langel.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

From the decision of the Board of Appeals of the United States Patent Office, affirming the decision of the Primary Examiner rejecting claim 9, the only claim in appellant's application for a patent relating to stippled sheet metal, the applicant has appealed here.

The invention disclosed in appellant's application and defined in claim 9 is for a method of producing a novel type of stippled sheet metal, used for the most part in the production of baking pans. The stippled effect is produced by irregular depressions and corresponding raised portions, which, it is said, permits grease used in the baking art to remain in the depressions even though the pan is not sitting on a level surface. Appellant states that the stippled effect prevents the baked material from sticking to the pan, and that the grease will not flow from one depressed area to another but that the hot cooking gases will circulate through intermediate crevices all along the bottom of the baked material. The pan is said to have the appearance of a hand hammered article without any plane surfaces.

The sheet of metal is passed between rollers where small regular depressions and corresponding projections are made in rows about ¼ inch apart on each face of the sheet. Concerning the rollers, appellant's application contains the following statement (reference numerals omitted):

> • • • a pair of rollers are rotatably mounted in position by means of shafts, or in any other suitable manner, whereby the rollers cooperate with each other for a pressing operation as hereinafter described. • • • the face of each of the rollers is provided with a series of outwardly projecting pins or lugs which are provided in substantially radial position at the entire face of each of the rollers.
>
> With the toothed rollers mounted in cooperative relation, a plain piece of sheet metal is passed between the rollers so as to cause the teeth or lugs to form aligned depressions scattered over the whole face of the sheet, the teeth or pins of one roller being held in staggered position circumferentially with respect to the teeth of the other roller for securing the desired result. • • •

Appellant passes the sheet through the rollers repeatedly at different angles. Preferably, the sheet is passed between the rollers from six to ten times. This has the effect of changing the regular appearance of the depressions and raised portions which the sheet had when passed through the rollers the first time, giving the same a mottled or stippled effect on both sides of the sheet. The depressions and raised portions, after the sheet has been passed through the rollers at different angles, are so deformed as to leave but slight regularity in their appearance.

Claim 9 reads as follows:

> 9. The method of producing a stippled effect in a sheet of metal, which comprises feeding the sheet edgewise in a selected angular position between cooperating pressure devices for producing a series of projections aligned with each other on each face of the sheet and separated from each other by intervening depressions aligned in the same direction, and then feeding the sheet between said pressure devices a plurality of times additionally with the sheet at each successive treatment advanced at a different angle as compared with previous treatments whereby successive treatments of the sheet by largely breaking down and deforming previously formed rows of projections eliminate almost completely any regularity in the arrangement of said projections.

The Patent Office tribunals, in rejecting appellant's claim, relied upon two patents: Jackes, 2,075,286, March 30, 1937; Ellis, 1,995,057, March 19, 1935.

The Examiner rejected appellant's said claim as lacking invention over the patent to Jackes and the patent to Ellis.

Jackes' patent discloses a sheet metal and a method of making the same with more or less irregular indentations of crater-like form. The metal is passed between two pressure elements, the upper one being vertically movable. In the lower element are depressions into which are placed round balls at irregular intervals. The depressions are larger than the balls, permitting the balls to shift. The stamping process which makes the cup-like indentations is repeated in such manner that portions of the already formed depressions are broken down, leaving very little if any regularity in the alignment of the depressions. The sheet so stamped then runs through smooth rollers which have the tendency of mashing the bottoms of the craters. The tops of the craters are all on the same elevation. Jackes suggests that his product might be used in "hot locations such as in stove pipe, stoves, etc." His purpose is to ornament and improve the appearance of the metal by giving it the "appearance of having a crinkled coated finish." The patent contains no method claims.

Ellis was cited for the purpose of showing the making of regular rows of small indentations and corresponding elevations in articles being passed between rollers. The Ellis patent relates to making indented paper sheets. Slightly moist paper with long fibers is run between two rolls, on each of which pins are circumferentially placed in rows. The pins on one roll are offset from the pins on the adjacent roll, the pins meshing

> "in such a way that a pin on each roll projects between two pins on the other roll in a line which is axial of both rolls, and a similar intermeshing of pins taken radially of both rolls."

The paper is passed between the rolls but once.

The Examiner stated in substance that since Jackes

"discloses the concept • • • of *producing irregularity by impressing one pattern on a previously formed different pattern*" [italics quoted]

and since Ellis shows it to be old to

"indent sheets with regularity,"

appellant's claim calls for nothing inventive over the prior art cited.

The Board of Appeals agreed with this view and, after calling attention to the Examiner's holding and referring to the disclosure of the Ellis patent, had the following to say:

The Jackes patent discloses a process using feed rolls in which the effect of the treatment is said to be to provide a sheet having more or less irregular indentations of crater-like form. The irregularity of the indentations of the Jackes patent is produced in a manner such that after advance of the strip, the block again descends and the material is provided with a second set of impressions. The advance of the strip is not equal to the width across the blocks but is only a small fraction thereof and the balls are thus pressed a second time into and partially adjacent to an already indented area producing various shapes of indentations. It is not stated that these successive operations of the patent are performed on a sheet that is presented at a different angle in the succeeding steps, but since the result produced appears to be irregularly arranged indentations, it is considered that the method is unpatentable over the reference to Jackes. [Reference numerals omitted.]

Upon petition for reconsideration, the Board said that the applicant had argued that he omitted a step thought necessary in the Jackes patent. In disagreeing with the applicant on this phase of the case and in approving the holding of the Examiner, the Board concluded its last decision as follows:

It is not apparent that applicant omitted any step of Jackes in his process. Applicant also requires the shifting of the pattern to be impressed by successive re-impressions. Applicant's only difference is in shifting the sheet so that it will be aligned angularly with respect to the first or previous pass through the dies and it has been and is our view that to merely modify this shifting of the pattern to produce irregularity by changing the angular direction in subsequent passes is not a patentable change in the step but merely an obvious change with obvious results. The step of shifting the pattern is still performed by applicant.

For the reasons given in our decision and herein, the rejection is affirmed.

We are not in agreement with the holding of the Board. It seems to be predicated, for the most part, upon the fact that

"since the result produced appears to be irregularly arranged indentations, it is considered that the method is unpatentable over the reference to Jackes."

It is true that Jackes' finished product shows irregular depressions, which have been changed in form by the process above stated. However, the product of Jackes is wholly different from that of appellant. In looking at appellant's sheet, it is observed that there are high spots, low spots, and curved surfaces, all of which contribute to the changed appearance as the light is reflected from the highly irregular contour at different angles.

The mere fact alone that the products may differ in their appearance or characteristics is not conclusive that the processes are different, but it is an important consideration in ascertaining the differences between the processes. Neither of the cited patents shows a process of deforming elevations and depressions on both sides of a sheet of material which is passed between toothed rollers. By shifting the sheet a number of times so that it will pass through the rollers at an angle different from that previously employed in passing the same through the rollers, an unexpected appearance is produced by the process of deformation, and we think a wholly different product results. The surface of Jackes' product on one side lies in one plane, which is formed by the tops of the craters being substantially unchanged, and the appearance on the opposite side of the sheet must obviously be radically different from the top side. Appellant has argued, we think properly, that his product, by virtue of being passed through the rollers several times in the said angular relation, has what he refers to as a "three-dimensional" characteristic, whereas the product of Jackes has a "two-dimensional" characteristic, resulting in the formation of craters, where the grease, if used in the baking art, would remain stationary but there would be no circulation of hot gases along the bottom of the baked material. This difference between the products, in our view, is an aid in understanding the difference between the two processes.

We think it involved an inventive concept to conceive the notion that regularly formed depressions and elevations on both sides of a sheet of metal could, by passing the sheet through the rollers several times at different angles, be so deformed as to produce a stippled or mottled effect practically devoid of any regularity or alignment of the elevations and depressions. It seems to us that appellant's method of making his product is new and useful, and that what appellant has done was not that which the Board characterized as "obvious." We think that the step of shifting the angle of feed in passing the sheet through the rollers was an important step in the process, that it was unobvious, and that its application in the manner stated brought about an unexpected and useful result.

The decision of the Board of Appeals is reversed. Reversed.

U. S. Court of Customs and Patent Appeals

IN RE VICKERS ET AL.

No. 4,836. Decided March 6, 1944

[141 F.(2d) 522]

1. CLAIMS—BROADER THAN INVENTION.
   In appellants' application on oil well pumping apparatus, certain claims *Held* improperly rejected as broader than appellants' invention.
2. SAME—SAME—INOPERATIVE SPECIES.
   "It is unnecessary for us to discuss the question raised by counsel for appellants as to whether the tribunals of the Patent Office have authority to reject a broad claim merely because it may cover one or more inoperative species. Assuming, however, without deciding, that they have such authority, we deem it not improper to say that the Board of Appeals has repeatedly held that the burden is upon the Primary Examiner to show that such a claim covers an inoperative species, and not upon the applicant to show that it does not."
3. SAME—SAME—MECHANICAL CASES.
   "In mechanical cases, • • • broad claims may be supported by a single form of the apparatus disclosed in an applicant's application."

APPEAL from the Patent Office. Reversed.

Messrs. Barnes, Kisselle, Laughlin & Raisch (*Mr. John M. Kisselle* and *Mr. Robert A. Choate* of counsel) for Vickers et al.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 4, 12, 20, 21, and 37 in appellants' application for a patent for an alleged invention relating to new and useful improvements in oil well pumping apparatus.

Seventeen claims were allowed by the Primary Examiner.

Claim 4 is illustrative of the appealed claims. It reads:

4. In combination, a cylinder for containing an operating liquid, a reciprocal member in said cylinder, means acting on said member for resisting the entrance of liquid to said cylinder, a motor cylinder, a reciprocal member in said motor cylinder adapted to be operably connected to the sucker rod of a pump in a well, a pressure forming means, a pilot operated shiftable means adapted to control the direction of liquid under pressure through said pressure forming means and to and from said cylinders, a supply of operating liquid, unidirectional valve means connecting said supply with the inlet of said pressure forming means, valve means responsive to movement of one of said reciprocal members for directing pressure to said pilot operated means to shift the same, and additional valve means responsive to abnormal movement of one of said reciprocal members resulting in closure of the outlet port of one of said cylinders adapted to delay the shifting of said pilot operated means, and thereby cause a replenishing of liquid from said supply to said system during said delay.

The claims were rejected by the tribunals of the Patent Office on the ground that they are broader than appellants' invention. They were not rejected on prior art.

There being no prior art involved, it is unnecessary that a detailed explanation of appellants' apparatus be here set forth. However, the Primary Examiner described appellants' apparatus quite fully in his statement to the Board of Appeals.

Appellants' apparatus includes a so-called "well operating or work cylinder" and piston, an accumulator cylinder and piston, and a pump which forces liquid from one cylinder to the other under control of a directional valve. The apparatus also includes two pilot valves. One, controlled by the accumulator piston, causes normal reversal shifting of the directional valve, and the other, by abnormal movement of the work cylinder piston which closes a port in the lower part of the work cylinder, delays normal reversal for replenishment purposes. (Replenishment is required because of leakage in the system.) Thus it will be seen that appellants' apparatus is an automatic system for reversal of a closed system and replenishment of liquid in the system.

It will be observed from what has been said that in appellants' apparatus one of the pilot valves is caused to operate by the accumulator piston, and the other by the work cylinder piston. The accumulator piston and the work cylinder piston move substantially in unison. Accordingly, the idea of actuating the valves in accordance with piston movement is obviously a unitary conception, and the operation of the system would be the same regardless of whether the accumulator piston or the work cylinder piston operates one or the other of those valves, provided the valves are operated for the purposes hereinbefore set forth.

In the apparatus defined by the appealed claims, the pilot valves may be operated by the two pistons, as hereinbefore described, or they may be operated by a single piston.

The language of claim 4 which calls broadly for the operation of the valves either by a single piston or by two pistons is as follows:

valve means responsive to movement of *one* of said reciprocal members for directing pressure to said pilot operated means to shift the same, and additional valve means responsive to abnormal movement of *one* of said reciprocal members resulting in closure of the outlet port of *one* of said cylinders adapted to delay the shifting of said pilot operated means, and thereby cause a replenishing of liquid from said supply to said system during said delay. [Italics not quoted.]

In his statement to the Board of Appeals, the Primary Examiner said that, although the appealed claims read on appellants' disclosure, they were "incomplete" in that they omitted "a limitation without which" they were "broader than the disclosed invention," that is to say, they were sufficiently broad to call for the operation of the valves by a single piston. The Examiner stated, however, that he would allow claims which defined the arrangement of the apparatus wherein

"one piston by its movement controls the application of pilot pressure, while the other piston by its movement closes the inlet port of its cylinder to delay reversal."

We quote from the Examiner's statement as follows:

The claims on appeal, however, are even broader • • • in that they merely state that *one* piston controls pilot pressure, and *one* piston delays reversal by causing closure of the outlet port of *one* cylinder. This language is broad enough to cover a construction wherein a single piston controls the pilot pressure and its own or the other cylinder's inlet port to also delay reversal. Whether it is possible to construct such a structure wherein a single piston performs all these functions, the Examiner cannot say. For present purposes, it seems sufficient to state that it is not immediately clear how it can be done, and applicants have not shown how to do it. Under such circumstances, it is believed proper to require applicants to reasonably restrict their claims to cover their own structure and obvious modifications thereof, while still leaving the field of improvement open to him who subsequently teaches the public how all the functions are to be performed by the motion of only one of the two moving pistons.

Applicants have argued that it is *possible* that all reversing and delay functions could be performed by motion of one piston, and that to require them to limit the claims to recite that the control is under the motion of both pistons, would unduly limit their protection.

The answer to this is that if such a structure is possible, and is part of the invention disclosed in this case, applicants should have described it, if they desired to claim it. Having failed to describe it, and it not being apparent how it can be brought about, it must be held to be outside the scope of the invention described herein, and applicants are not entitled to protection on it. [Italics quoted.]

In its decision affirming the decision of the Primary Examiner, the Board of Appeals called attention to the language in the body of claim 4, hereinbefore specifically referred to, and stated that the wording of the claim was confusing when read on the drawings in appellants' application; that appellants have not shown a construction, either in their drawings or in their specification, wherein

a single piston might control the valves for the desired purposes; and that an entirely different and unobvious construction from that shown in appellants' drawings and specification would be necessary in order to control the valves by a single piston. The Board further said:

> The construction shown [in appellants' specification and drawings] requires two cylinders, the piston in [one] operating one valve means and the piston in the other operating the other valve means. * * *
>
> We are cognizant of the fact that in a mechanical case an applicant may generally draw a broad claim on a single construction. However, it should be obvious to any one skilled in the art to make such modifications covered. That is not the situation here.

It is contended here by counsel for appellants that the gist of the involved invention—

> lies mainly in the particular valve arrangement for controlling reversal automatically and for permitting replenishment. It is not new to shift valves by extension of piston rods in this very art. We believe it plainly follows from this that it actually is obvious how the system could be changed to have both valves * * * controlled by a single piston rather than by both of them.

In explanation of how the apparatus might be arranged so that the valves would be properly controlled by a single piston, counsel for appellants state in their brief that it would seem to be obvious that the pilot valve, which is shown in appellants' specification and drawings as being controlled by the accumulator piston for causing normal reversal of the directional valve, might be operated by a projection from the piston in the work cylinder, or, instead of the port at the lower end of the work cylinder being closed by the work cylinder piston, it could be closed by a mechanical connection to the piston rod of the accumulator piston. Counsel's main contention is, however, that the

> "obviousness of various modifications [of the disclosure in appellants' specification] need not concern"

the tribunals of the Patent Office; that it is the duty of those tribunals

> "to see that the claims are directed to novel and patentable subject matter,"

and that they are

> "readable on the disclosure."

Counsel also contend that

> "To require an applicant to limit his claims to all obvious modifications, would either prevent him from receiving fair protection from his idea or it would cause him to multiply the disclosures of his patent to all the possible modifications that he could foresee in order that he could get broad claims,"

and that appellants are entitled to claims which cover

> "all devices which carry the spirit of the invention and are not shown by the prior art."

In support of their contentions, counsel for appellants rely upon the decisions in the following cases: *In re Matzner*, 20 C. C. P. A. (Patents) 799, 62 F.(2d) 190, 428 O. G. 519; *Ex parte Louis N. D. Williams*, 2 U. S. P. Q. 93; *Ex parte Vickers*, 53 U. S. P. Q. 607.

In the Matzner case, supra, the invention involved related to radio receivers, and, among other things, disclosed means for

> "giving an electrical indication when the dial controlling the movable member of the condenser is in position to tune the receiver for a particular station."

Claim 2, there involved, called for a dial for radio receiving sets, an electrical indicator, arranged in a normally open circuit and adapted to be rendered active only when the dial was set to tune in a station, and a circuit closing means, including a plurality of contact members

> "carried by the dial and disposed in circuit closing position only when the dial is set to tune in a station."

The Board of Appeals allowed certain claims, which, instead of calling for "contact members," called for "contact pins." In reversing the Board as to certain of the claims there on appeal, we said:

> We are of the opinion that the references do not show or suggest the useful result secured by appellant, *either by the use of contact pins or in any other manner*, and we therefore hold that appellant should not be restricted to the use of contact pins, but that he is entitled to a broader protection irrespective of whether the lamp circuit is closed by means of contact pins. [Italics not quoted.]

In the Williams case, supra, the Board of Appeals, in reversing the decision of the Primary Examiner rejecting the claims there on appeal, quoted from the decision in the case of *Ex parte Weaver*, 1897 C. D. 165, wherein the Commissioner of Patents said:

> It is the well-settled policy of this Office, however, to allow applicants to claim their invention as broadly as possible in view of the state of the art.

In the case of *Ex parte Vickers*, supra, the Board of Appeals, in reversing the decision of the Primary Examiner rejecting the single claim there on appeal, stated that the Examiner had not rejected the claim on prior art, but had rejected it on the ground that it was broader than the applicant's disclosure because it was so drawn that it covered structures not specifically disclosed or described in the applicant's application. The Board further stated:

> As a general rule an applicant in a mechanical case seldom shows more than one embodiment. He is generally allowed claims, when the art permits, *which cover more than the specific embodiment shown. That practice is so general that it occurs in almost every case.* * * *
>
> Even though the present applicant has not disclosed more than one specific arrangement of the controlling valve, we see no good reason why applicant should be denied a claim that will cover other arrangements as long as the claimed invention is novel. *The Examiner has not shown that any other arrangement cannot be employed and obtain the equivalent result. It is our view that the claim is not too broadly drawn and that it should be allowed.* [Italics ours.]

The Solicitor for the Patent Office states in his brief that it is too well settled to require citation of authorities that

> "ordinarily in a mechanical case broad claims may be supported by a disclosure of a single form of the apparatus disclosed in an application."

The Solicitor contends, however, that the general rule as stated is not applicable to a claim which necessarily covers an apparatus working on a principle entirely different from that shown and described in an application, which apparatus is not suggested in the application and is not obvious from the disclosure therein. In support of those views, the Solicitor cites the case of *Excelsior Drum Works v. Sheip & Vandegrift*, 173 Fed. Rep. 312, wherein it was stated by the District Court for the Eastern District of Pennsylvania that a broad claim could not be based upon a disclosure that was specifically limited to a single device which was not given as an example or as a preferred structure. It was also the view of the Solicitor that it is not obvious from appellants' specification and drawings how appellants' apparatus might be reorganized so as to operate the valves by the movement of a single piston.

[1][2][3] We are unable to concur in the view of the Solicitor that appellants' specification does not suggest that the pilot valve for effecting normal reversal of the directional valve and the other pilot valve, which is so actuated as to delay normal reversal of the directional valve for replenishment purposes, could be operated by a single piston.

We quote from appellants' specification:

> An object of the present invention is to provide a mechanism which is responsive to the movement of a reciprocal member in the *pumping cylinder or the accumulator cylinder or both* which will permit the operating liquid to be taken by the pressure forming means from an independent supply and injected into the closed system to replenish the supply of operating liquid. This replenishing apparatus is intended to operate automatically and is responsive to the quantity of liquid in the system. [Italics ours.]

It is apparent from the quoted excerpt that the accumulator piston may be used not only to effect normal reversal of the directional valve, but also to delay the operation of that valve for the purpose of replenishing the system. Accordingly, it is plainly suggested in appellants' specification that the accumulator piston alone may operate the valves for the purposes set forth in the appealed claims.

Section 4888 of the Revised Statutes (U. S. C. title 35, sec. 33) requires an applicant to explain the principle of his invention and

> "the best mode in which he has contemplated applying that principle, so as to distinguish it from other inventions."

In construing that section, the Supreme Court of the United States in the case of *Continental Paper Bag Company v. Eastern Paper Bag Company*, 210 U. S. 405, 418, 136 O. G. 1297, stated:

> An inventor must describe what he conceives to be the best mode, but he is not confined to that. *If this were not so most patents would be of little worth.* "The principle of the invention is a unit, and invariably the modes of its embodiment in a concrete invention may be numerous and in appearance very different from each other." Robinson on Patents, § 485. [Italics not quoted.]

That case, together with other decisions to the same effect, was cited and quoted from in the case of *In re Lester Kirschbraun*, 18 C. C. P. A. (Patents) 735, 44 F.(2d) 675, 402 O. G. 8.

In the instant case, appellants have described what they considered to be the best mode of operation of their apparatus and also an alternative mode of operation.

It will be recalled that the Primary Examiner held that the appealed claims read on appellants' disclosure, which they obviously do. The claims were not rejected because they cover all means of producing the desired result, or because of prior art. Nor were they rejected by the Examiner because they cover an inoperative structure. Accordingly, it is unnecessary for us to discuss the question raised by counsel for appellants as to whether the tribunals of the Patent Office have authority to reject a broad claim merely because it may cover one or more inoperative species. Assuming, however, without deciding, that they have such authority, we deem it not improper to say that the Board of Appeals has repeatedly held that the burden is upon the Primary Examiner to show that such a claim covers an inoperative species, and not upon the applicant to show that it does not. See *Ex parte Riszdorfer*, 34 U. S. P. Q. 338; *Ex parte Johnson*, 40 U. S. P. Q. 576; *Ex parte Lilienfeld*, 44 U. S. P. Q. 174; *Ex parte Korpiun*, 50 U. S. P. Q. 224; *Ex parte Vickers*, supra. See also rules 65, 66, and 135 of the Rules of Practice in the United States Patent Office.

In his statement to the Board of Appeals, the Examiner stated that appellants had not disclosed how a single piston could operate the valves; that it was not immediately clear to him how such an apparatus could operate; and that appellants had failed to describe such a structure in their application.

In other words, as we understand the Examiner's decision, he held the claims to be too broad because the applicants did not disclose in their application each specific embodiment of the invention covered by the appealed claims. That holding was affirmed by the Board of Appeals.

Obviously, the decision of the Board of Appeals, as well as that of the Primary Examiner, is not in accordance with the rule as stated in the Solicitor's brief, that is,

> "that ordinarily in a mechanical case broad claims may be supported by a disclosure of a single form of the apparatus disclosed in an application."

Nor is the Board's decision in conformity with the statement contained therein that

> "in a mechanical case an applicant may generally draw a broad claim on a single construction."

In mechanical cases, such as that here involved, broad claims may be supported by a single form of the apparatus disclosed in an applicant's application. See *In re Lester Kirschbraun*, supra, and cases therein cited; *Ex parte Kleinknecht*, 49 U. S. P. Q. 680; *Ex parte Vickers*, supra.

For the reasons stated, we are of opinion that the appealed claims were improperly rejected. Accordingly, the decision of the Board of Appeals is reversed.

Reversed.

Trade-Mark Registrations Canceled

181,189. Men's dress and negligee shirts. Stetson Shirt Co. Inc., New York, N. Y. Registered March 11, 1924. Canceled May 23, 1944.

274,642. Synthetic resin which is used in the manufacture of varnishes, and lacquers. Synthetic Resins Co. Inc., New York, N. Y. Registered September 2, 1930. Canceled May 23, 1944.

280,497. Men's outer clothing—namely, suits, overcoats, etc. Brooks Clothing Company, Los Angeles, Calif. Registered February 17, 1931. Canceled May 23, 1944.

301,424. Underwear of knitted and textile fabrics for men, women and children. Cluett, Peabody & Co., Inc., Troy, N. Y. Registered February 28, 1933. Canceled May 23, 1944.

312,083. Baking powder. David Pender Grocery Co., Norfolk, Va. Registered April 17, 1934. Canceled May 23, 1944.

312,971. Grape juice. David Pender Grocery Co., Norfolk, Va. Registered May 15, 1934. Canceled May 23, 1944.

316,966. Macaroni, spaghetti and noodles. David Pender Grocery Co., Norfolk, Va. Registered September 11, 1934. Canceled May 23, 1944.

319,144. Wines. David Pender Grocery Co., Norfolk, Va. Registered November 20, 1934. Canceled May 23, 1944.

319,449. Cocoa and chocolate. David Pender Grocery Co., Norfolk, Va. Registered November 27, 1934. Canceled May 23, 1944.

333,437. Sound reproducers and parts thereof, particularly speakers or sound reproducers for radio receiving sets. Continental Motors Corporation, Detroit and Muskegon, Mich. Registered March 24, 1936. Canceled May 23, 1944.

344,314. Razors and razor blades. International Safety Razor Corp., Bloomfield, N. J. Registered March 16, 1937. Canceled May 23, 1944.

355,715. Lactoflavin supplement, a flavin produced from milk used as an ingredient in animal feeds. The Borden Company, New York, N. Y. Registered March 29, 1938. Canceled May 23, 1944.

374,056. Italian food seasoning composed of herbs in powdered form and carefully blended. Fred L. Ottoboni, Santa Rosa, Calif. Registered December 26, 1939. Canceled May 23, 1944.

379,544. Ladies' and misses' dresses, and dress ensembles consisting of dress and jacket and coats. Packard Dresses, Inc., New York, N. Y. Registered July 16, 1940. Canceled May 23, 1944.

380,116. Canned beverage—namely, a vegetable juice cocktail. The Illinois Canning Company, Hoopeston, Ill. Registered August 6, 1940. Canceled May 23, 1944.

387,673. Sweat shirt. Oneita Knitting Mills, Utica, N. Y. Registered May 27, 1941. Canceled May 23, 1944.

390,725. Fabrics in the piece made of cotton, silk, rayon, etc. Crompton Company, West Warwick, R. I. Registered September 30, 1941. Canceled May 23, 1944.

393,565. Vitamin preparation in capsule form. Norsal Laboratories Incorporated, Abbeville, La. Registered February 17, 1942. Canceled May 23, 1944.

393,983. Osmium base alloy. F. E. Williamson, doing business as The Paraloy Co., Chicago, Ill. Registered March 10, 1942. Canceled May 23, 1944.

394,856. Piece goods—namely, corduroy. Boott Mills, Lowell, Mass. Registered April 28, 1942. Canceled May 23, 1944.

395,360. Ladies' wearing apparel—namely, corsets, brassieres, bandeaux, girdles, etc. American Lady Corset Co., Detroit, Mich. Registered May 19, 1942. Canceled May 23, 1944.

400,512. Plastic collapsible tube containers. The Waterbury Button Company, Waterbury, Conn. Registered March 16, 1943. Canceled May 23, 1944.

402,509. Canned soy bean succotash comprising whole kernel golden corn and soy beans. Francis H. Leggett & Company, New York, N. Y. Registered July 27, 1943. Canceled May 8, 1944.

403,190. Lathes. H. W. Ward & Co., Ltd., Birmingham, England. Registered September 7, 1943. Canceled May 23, 1944.

403,347. Ladies' and misses' sweaters and jackets. Select Sportswear, Inc., New York, N. Y. Registered September 14, 1943. Canceled May 23, 1944.

405,653. Vitamins and minerals. Julius Blackman Corp., doing business as Supreme Pharmaceutical Company, New York, N. Y. Registered February 8, 1944. Canceled May 23, 1944.

Changes in Classification

Order No. 3,830, June 8, 1944, directs:

The following changes in the classification of inventions are hereby directed to take place immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *class 75, Metallurgy* (Division 3):

Alloys
- **Ferrous**
  - Iron chromium
    - 127 Processes
  - Processes
    - 131 Reduction
  - Non-ferrous
    - Copper
      - 155 Zinc
      - Tin zinc
        - 158 Zinc lead

In *class 174, Electricity, Conductors and Insulators* (Division 65):

Conduits, cables and conductors
- Insulated
  - Plural or impregnated layers
    - 123 Plastic or coating material
  - 125 Plastic or coating material
- Conductor structure
  - 132 Composite
  - 134 Conductive materials

CHANGE SUBCLASS TITLES

In *class 28, Textiles* (Division 21), subclasses 21, 22, 23 and 57 should read:

Apparatus
- 21 Strand packaging
- 22 Warp preparing
- 23 Chain manipulating
- 57 Thread finishing

In *class 114, Ships* (Division 61), subclass 115 should read:

Sails and rigging
- 115 Clews

In *class 131, Tobacco* (Division 2), subclass 248 should read:

Tobacco users' appliances
- 248 Cigar and cigarette end cutters, combined

In *class 154, Laminated Fabric and Analogous Manufactures* (Divisions 20, 55), subclass 50 should read:

Fabrics
- 50 Fluid-proof

ESTABLISH AND CHANGE SUBCLASS TITLES

In *class 75, Metallurgy* (Division 3), establish subclasses 130.5, 133.5, 156.5, 157.5, and change titles of subclasses 128, 133, 156, and 157, as shown by the following schedule which includes the immediately associated unchanged subclasses, for convenience in entering same in the Manual of Classification:

Alloys
- **Ferrous**
  - Iron chromium
    - 126
    - 128 Nickel
  - Processes
    - 129
    - 130 Cast iron
    - 130.5 Iron chromium
    - 132 Ferro-phosphorus
    - 133 Reduction to metal
    - 133.5 Iron
- **Non-ferrous**
  - Copper
    - 153
    - 154 Tin
    - 156 Lead
    - 156.5 Zinc
    - 157 Zinc
    - 157.5 Zinc
    - 159 Nickel

ESTABLISH SUBCLASSES

In *class 15, Brushing, Scrubbing, and General Cleaning* (Division 27):

Attachments
- 256.5 Moving surface scraper, wiper, or brush
- 256.6 Strand

In *class 57, Textiles, Spinning, Twisting and Twining* (Division 21):

Apparatus
- With other operations
  - 34.5 With waste- or loose end-collecting

In *class 117, Coating; Processes and Miscellaneous Products* (Division 38):

Particular base or coating
- [illegible] base
  - [illegible]ire, rod, or filament
    - 128.4 Resinous coating (e. g., varnish)
    - 128.7 Rubber or derivative containing coating

In *class 200, Electricity, Circuit Makers and Breakers* (Division 37):

Fluid pressure
- 81.6 Operable to cause liquid contact flow

In *class 287, Rod Joints or Couplings* (Division 52):

Flexible rod or strand
- 81 With eye forming thimble

MISCELLANEOUS CHANGES

In *class 74, Machine Elements and Mechanisms* (Divisions 12, 45), subclasses 283, 284, and 286 should receive a full indentation under subclass 282. Subclass 285 should be indented under subclass 284 as at present. Subclass 556 should be indented under subclass 555.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
75	127	75	130.5
75	131	75	133.5
75	155	75	157.5
75	158	75	156.5
174	123	117	69+
174	125	117	128+
174	132	29	182
174	134	75	0.5, 122+
174	134	148	31+

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Source	
Class	*Subclass*	*Class*	*Subclass*
15	256.5	15	236
15	256.5	18	2, 10
15	256.5	83	12
15	256.6	15	246
57	34.5	57	Various
75	130.5	75	127
75	133.5	75	131
75	156.5	75	158
75	157.5	75	155
117	128.4, 128.7	117	128
117	128.4, 128.7	174	125
200	81.6	200	81, 152
287	81	24	115+
287	81	114	115
287	81	287	75+

IN THE DEFINITIONS:

8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers (Division 43)

in subclass 3, (9) Note should be rewritten to read as follows:

(9) Note.—For the coloring of metals, see classes 117, COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, particularly subclasses entitled "Metal base" and 148, METAL TREATMENT, subclasses 6+ and 13+.

15, Brushing, Scrubbing, and General Cleaning (Division 27)

in subclass 246 add the following note:

(0.5) Note.—Many classes include devices or articles specialized to a particular art which are provided with cleaners of the type provided for here. Classification as an attachment is proper in this class only when there is no claim to any feature of the surface or article being cleaned which is specialized to the particular art involved.; and establish the following subclass definitions:

256.5. Apparatus under subclass 246 in which one or more scrapers, wipers or brushes are attached to a device which includes a moving surface as a part thereof and are so mounted as to act upon the surface to remove material therefrom during the normal operation of the device.

(1) Note.—Devices in various classes include moving surfaces which are contacted and cleaned by scrapers, wipers or brushes. A partial list of such classes will be found below under "Search Class"

Search Class—
- **15**—PLASTICS, subclasses 2, 9+.
- **34**—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclasses 110+.
- **68**—TEXTILES, FLUID TREATING APPARATUS, subclass 270.
- **74**—MACHINE ELEMENTS AND MECHANISMS, subclass 230.
- **80**—METAL ROLLING, subclasses 1, 51.
- **83**—MILLS, subclasses 12, 14, 91.
- **91**—COATING, subclasses 53, 58, 59, 59.4.
- **92**—PAPER MAKING AND FIBER LIBERATION, subclass 74.
- **100**—PRESSES, subclass 47.
- **101**—PRINTING, subclasses 154, 155+, 167+.
- **143**—WOOD SAWING, subclass 29.
- **159**—CONCENTRATING EVAPORATORS, subclasses 9+, 11.
- **198**—CONVEYERS—POWER-DRIVEN, subclasses 229+.
- **210**—LIQUID SEPARATION OR PURIFICATION, subclass 201.
- **257**—HEAT EXCHANGE, subclasses 96+, 100.
- **274**—SOUND RECORDING AND REPRODUCING, subclass 47.
- **280**—LAND VEHICLES, subclasses 158+.

256.6. Apparatus under subclass 256.5 in which the moving surface contacted by the cleaning member is a strand.

(1) Note.—Most of the devices classified herein are clothesline cleaners.

Search Class—
- **74**—MACHINE ELEMENTS AND MECHANISMS, subclass 230, for belt and sprocket cleaners.
- **242**—WINDING AND REELING, subclass 100, for significant clothesline reeling structure combined with line cleaning means.

28, Textiles (Division 21)

in subclass 72.6, change "72.2" to 72.5.

29, Metal Working (Divisions 13, 14, 29)

at the end of the main class definition, add:

Search Class—
- **100**—PRESSES, subclasses 70+, for press structure per se where neither features of structure for holding work nor features of tool structure for performing the work of a type classifiable in class 29 are claimed.;

in subclass 6, add the following:

Search Class—
- **153**—METAL BENDING, subclass 78, for machines for twisting crankshafts.;

in subclass 25.11, under "Search Class", in the reference to class 117, Coating; Processes and Miscellaneous Products, change "subclass 128" to *subclasses 128+*;

in subclass 85, add:

Search Class—
- **100**—PRESSES, and see the note to the main class definition of this class (29) for the line.;

in subclass 155.41, under (3) Note, in the reference to class 117, Coating; Processes and Miscellaneous Products, change "subclass 128" to *subclasses 128+*;

in the reference to class 174, Electricity, Conductors and Insulators, change "134" to *133* and cancel the remainder of the sentence;

in subclass 155.42, under "Search Class", in the reference to class 117, Coating; Processes and Miscellaneous Products, change "subclass 128" to *subclasses 128+*;

in subclass 180, add the following note:

(1.3) Note.—See class 75, METALLURGY, appropriate subclasses, particularly subclasses 0.5 and 122+, for metal stock of the type found in this subclass, but defined solely by the composition of the metal or alloy used and not including any significant structure of the stock.;

rewrite (2.5) Note as follows:

(2.5) Note.—The line between this and indented subclasses and class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, relative to conductors is as follows: Electric conductors which are no more than metal stock are classified in this and indented subclasses or other appropriate class providing for metal stock even though claimed as being electric conductors.;

under "(3) Search Class", in numerical order, add:

148—METAL TREATMENT, subclasses 31+, for metal stock resulting from a treatment classified in that class.;

in subclass 181, rewrite the note as follows:

(1) Note.—See class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 119, for insulated electrical conductors including composite stock. See note (2.5) of subclass 180 of this class (29).

33, Geometrical Instruments (Division 62)

in subclass 47, before "Search Classes", add:

(1) Note.—This and the indented subclasses take gun and sight combinations where only so much of the gun is included or modified as is necessary to accommodate the sight.;

and under "Search Classes", add:

42—FIREARMS, for gun and sight combinations involving gun structure not merely essential to the sight.

43, Fishing, Trapping, and Vermin Destroying (Division 2)

in subclass 124, under "(3) Search Classes", in the reference to class 111, Planting, cancel the period (.) and add:

and subclasses 6+ for devices for impregnating the earth with a liquid or gas and subclasses 92+ for manually operated dibbles.

46, Amusement Devices, Toys (Division 57)

in subclass 10, cancel the note and substitute:

Search this class, subclass—
48—for spinning and whirling devices having sparking means.

Search Class—
102—AMMUNITION AND EXPLOSIVE DEVICES, subclasses 31+, for sparkler type pyrotechnic devices.;

in subclass 48, cancel (2) Note and substitute:

Search this class, subclass—
10—for other sparking toys.

Search Class—
102—AMMUNITION AND EXPLOSIVE DEVICES, subclass 37.5, for spinning and whirling pyrotechnic whirlers.;

in subclass 74, cancel notes 2 through 6 and substitute:

Search this class, subclass—
97+—for inflatable toys, both aerial and non-aerial, subclass 80, having inflatable aircraft simulations.
124+—for birds and insects having flapping wings.

Search Class—
35—EDUCATION, subclass 12, for devices for teaching aircraft operation.
102—AMMUNITION AND EXPLOSIVE DEVICES, for aerial devices in the nature of drop bombs, pyrotechnic devices, pyrotechnic rockets, projectiles, etc., and see particularly subclasses 34.1 and 37.1 and the subclasses set forth in the notes thereto, for devices combined with vanes, wings, parachutes, balloons, or propellers.
244—AERONAUTICS, for operative aeronautic devices, including kites, launching and landing devices.

57, Textiles, Spinning, Twisting and Twining (Division 21)

in subclass 23, add:

Search Class—
114—SHIPS, subclass 226, for similar implements.
287—ROD JOINTS OR COUPLINGS, subclass 81, for thimble structures per se and combined in other joint structure.;

establish the following subclass definition:

34.5. Apparatus under subclass 34 including means for receiving, accumulating or scavenging quantities of strand material which have become superfluous during the operation of the machine.

(1) Note.—The strand material usually accumulates as the result of (1) an imperfect feeding of the strand, such as the piling up of slack or the breaking of a strand, or (2) the continued operation of the spinning, twisting and twining machine during the doffing of a filled bobbin or spool.

Search this class, subclass—
52+—for spinning or twisting machines combined with mechanism performing doffing or donning operations.
54—for spinning or twisting machines combined with mechanism performing operations preparatory to doffing or donning.
56+—for spinning or twisting machines combined with means for clearing lint or foreign matter from the machine.;

and in subclass 131, in the defin. [illegible] 1st sentence, change "or" to *on*.

75, Metallurgy (Division 3)

abolish the definition and notes of subclass 127;

establish the following subclass definition:

130.5. Processes for preparing iron base alloys containing chromium.

Search this class, subclass—
10 through 13—for processes which are practiced in an electric furnace.
27—for reduction processes which are of the thermit type.;

abolish the definition of subclass 131;

rewrite the definition of subclass 133 as follows:

133. Processes of preparing iron alloys in which at least one of the component metals is produced by reduction from an ore or compound of the metal.

(1) Note.—This subclass includes, for example, those alloys wherein the alloy component is introduced into the iron by reducing a compound of the alloy element in the presence of molten iron.

Search this class, subclass—
11—for electro-thermic reduction processes for the production of iron alloys.;

establish the following subclass definition:

133.5. Processes under subclass 133 wherein the iron alloys are produced directly from ores yielding the iron or both the iron and the alloy element. To be classified here, practically all the iron of the alloy must be reduced from the ore during the alloying operation.

(1) Note.—This subclass does not include processes for producing pig iron.

Search this class, subclass—
11—for electro-thermic reduction processes for the production of iron alloys.;

abolish the definitions of subclasses 155 and 158;

establish the following definitions:

156.5. Cu base alloys containing Sn, Pb and Zn.

157.5. Cu base alloys containing Zn.

80, Metal Rolling (Division 13)

in subclass 5.1, cancel "a roll or rolls" and substitute *one or more rolls or platens*; before "traveling" insert *or platen*; and before the period (.), insert *or platen*.

81, Tools (Division 29)

in subclass 3.10, in (3) Note, preceding ", and class 229", insert: (*except key type strip winding can openers, for which see subclass 52*).

88, Optics (Division 7)

in subclass 65, under "Search Class", cancel the reference to class 250, Radiant Energy, and substitute:

250—RADIANT ENERGY, subclasses 7 and 8, for radiant energy signalling systems using polarized light rays and subclass 11 for directional radio antennae with polarizers.

89, Ordnance (Division 22)

in subclass 36, under "Search Classes", in the reference to class 109, Safes, Bank Protection and Related Devices, change "52.5" to *49.5*.

106, Compositions, Coating or Plastic (Divisions 38, 64)

in the main class definition, in note (1), cancel the reference to class 174, Electricity, Conductors and Insulators.

109, Safes, Bank Protection and Related Devices (Division 20)

in subclass 50, change "burial thereof" to read: *burial of the device and/or its support*.

114, Ships (Division 61)

in subclass 115, in the definition, cancel the last sentence, and under "Search Class", add:

287—ROD JOINTS OR COUPLINGS, subclass 81, for thimbles which are used in combination with clews.;

in subclass 226, under "Search Classes", in numerical order, add:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 23, for similar implements.
287—ROD JOINTS OR COUPLINGS, subclass 81, for thimble structures per se and combined in other joint structures.

117, Coating; Processes and Miscellaneous Products (Division 38)

in the main class definition, under note "II. Coated Articles Classified Elsewhere", under "(2) Search classes:", in the reference to class 174, Electricity, Conductors and Insulators, cancel "125", and after "conductors" insert: *which are more than mere coated wires, bars, etc.*; after "and" insert: *for*;

in subclass 33.1, under "Search This Class, Subclass", change "128" to *128+*;

in subclass 98, number the existing note (*1*) and add the following note:

(2) Note.—The coating of foraminous perforated or open-work articles wherein the coating extends across and closes the opening or perforations thereof is classified below on the basis of the base or coating material employed.;

in subclass 99, add the following note:

Search this class, subclass—
128+—for wire cloth having continuous or impervious coatings thereon.;

in subclass 128, add the following:

(1) Note.—In this subclass and indented subclasses are placed patents drawn to electric conductors having a coating thereon even though claimed broadly but which disclose that the conductor may be a wire, rod or filament.

Search Class—
174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclasses 110+, for insulated electric conductors which include electric conductor structure more than a mere coated wire, rod or filament.;

establish the following subclass definitions:

128.4. Processes under subclass 128 wherein a natural or synthetic resin coating is applied to the wire, rod or filament.

Search this class, subclass—
74 and 75—for wire, rods or filaments, with plural coatings thereon, one of which contains a synthetic resin.
91—for wire, rods or filaments with plural coatings, one of which contains a natural resin.

128.7. Processes under subclass 128, wherein the coating contains rubber or derivative thereof.

Search this class, subclass—
78 and 79—for wire, rods or filaments with plural coatings, one of which contains rubber or derivative thereof.

122, Liquid Heaters and Vaporizers (Division 46)

in subclass 459, in note (1), after "superheater", add (*or desuperheater*);

in subclass 487, add:

Search Class—
236—AUTOMATIC TEMPERATURE AND HUMIDITY REGULATION, subclass 12, for structure of the control device.
261—GAS AND LIQUID CONTACT APPARATUS, for desuperheating apparatus of this type when independent of the boiler.

131, Tobacco (Division 2)

in subclass 248, rewrite note (2) as follows:

(2) Note.—See this class, subclass 233, for cigar and cigarette end cutters combined with means to receive ashes or the cut off portion.;

in subclass 250, add the following:

Search Class—
206—SPECIAL RECEPTACLES AND PACKAGES, subclass 41.5, for pocket and personal use tobacco receptacles provided with cutters other than cigar or cigarette end cutters.

148, Metal Treatments (Division 3)

in subclass 11.5, cancel "or for working at special temperatures";

in subclass 21.4, note (2), change "156–158" to *156+*; and in subclasses 21.5, 21.6, and 21.7, note (2) to each, change "133" to *133.5*.

154, Laminated Fabric and Analogous Manufactures (Divisions 20, 55)

in subclass 2.21, under (12) Note, in the reference to class 117, Coating; Processes and Miscellaneous Products, change "128" to *128+*;

in subclass 50, cancel the definition and note, and substitute:

50. Fabrics under subclass 46 which are impervious to gases, vapors or liquids.

(1) Note.—For fluid-proof fabrics which also have some characteristic specifically provided for in subclasses 46.5 to 49, 52, 52.5 and 53, see the appropriate subclass providing for that characteristic. A wear and strain resisting fabric, for example, which may also be fluid-proof, is classified in subclasses 52+.

Search Class—
2—APPAREL, subclasses 181+.
36—BOOTS, SHOES, AND LEGGINGS, subclasses 4 and 7.3.
229—PAPER RECEPTACLES, subclasses 3.1 and 14.

160, Closures, Partitions and Panels, Flexible and Portable (Division 53)

in the main class definition, add the following notes:

(30.3) Note.—Class 179, TELEPHONY, subclasses 115+, 138+ and 181, for diaphragms, or diaphragms and their mountings, for electrical sound reproducers and transmitters.
(30.7) Note.—Class 181, ACOUSTICS, subclasses 31, 32, for diaphragms or diaphragms and their mountings for acoustic purposes.;

in subclass 139, add:

(1) Note.—Since the majority of parallelogram type devices expand in one direction when they collapse in another, the term "collapse" has been used generically in referring to any motion about the parallelogram pivots.

170, Motors—Fluid Current (Division 9)

in subclass 135.5, add:

Search Class—
115—MARINE PROPULSION, appropriate subclasses, but particularly subclasses 34+, for screw propeller drive mechanisms in which the ship or vessel propelled thereby is significantly combined therewith, and subclasses 17+, for motor-propeller combinations adapted to be readily detached as a unit from the ship or vessel and commonly known as "outboard motors".
244—AERONAUTICS, subclasses 60, 62+, for propeller drive mechanisms in which the aircraft propelled thereby is significantly combined therewith.

174, Electricity, Conductors and Insulators (Division 65)

in the main class definition, paragraph 9, after "Processes", add: *other than manufacturing processes*,;

under "Notes.", in (1) Note, after "(174)", first occurrence, cancel the period (.) and add:

when such combination includes some structure of the conductor other than a mere wire, cable, etc., coated with the dielectric.;

in (1.5) Note, add:

Class 29, METAL WORKING, also has in subclasses 180+, conductors which are no more than metal stock, even though claimed as being electric conductors.;

in (3.1) Note, after "base", cancel the remainder of the note and substitute: *even though claimed as being an electric conductor.*;

in subclass 8, rewrite (5) Note as follows:

(5) Note.—The mere water proofing of conductor insulation by compositions which harden is in this class, subclasses 110+, particularly subclass 121, or in class 117, Coating; Processes and Miscellaneous Products, appropriate subclasses, particularly subclasses 128+ unless means for introducing the same in fluid condition is claimed.;

in subclass 110, in (1) Note and in (9) Note, insert in numerical order in the list of notes referred to: (*1.5*), (*3.1*) *and* (*3.5*);

in subclass 118, in (1) Note, cancel "subclasses 121, 123, and 125" and substitute: *subclass 121, and class 117, Coating; Processes and Miscellaneous Products, subclasses 69 + and 128 +*;

in subclass 120, add:

(3) Note.—See class 117, COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, subclasses 69 +, for insulated conductors which are no more than a wire, filament, etc., with a plurality of dissimilar layers of plastic or coating material.;

cancel the definition of subclasses 123, 125, 132, and 134 and the notes thereto;

in subclass 126, (3) Note, after "stock," add: *even though claimed as being an electric conductor,*;

in subclass 137, in (4) Note, in the list of notes referred to, add: *(1.5), (3.1), and (3.5).*

178, Telegraphy (Divisions 16, 65)

in subclass 44, under "(2) Search Classes" in the reference to class 174, Electricity, Conductors and Insulators, change "134" to *133.*

198, Conveyers—Power-Driven (Division 4)

in subclass 210, under "(2) Note.", cancel "and indented subclasses,".

200, Electricity—Circuit Makers and Breakers (Division 37)

in subclass 32, under "Search This Class, Subclasses", in numerical order, add: *81.6, 141*;

establish the following subclass definition:

81.6. Devices under subclass 81 of the type in which the fluid pressure (or vacuum) acts upon a body of conductive liquid causing the latter to move so as to open or close a circuit including the conductive liquid.

(1) Note.—The fluid pressure or vacuum may be applied either directly to the conductive liquid, or indirectly through a piston or diaphragm, so that the change in pressure causes liquid motion, as distinguished from fluid pressure operated means that cause change in position of a liquid contact switch, liquid motion being due to such change in position.

Search this class, subclass—

32—for periodic circuit makers and breakers employing liquid contact means.

112—for electromagnetic circuit makers and breakers employing liquid contact means.

141—for circuit makers and breakers employing fluid contact means of the type in which a circuit including the fluid contact means is opened or closed as the result of thermal expansion of the fluid.

152—for miscellaneous circuit makers and breakers employing liquid contact means.

Search Class—

73—MEASURING AND TESTING, subclasses 31 + for manometric type pressure gages.

234—RECORDERS, subclasses 17 +, for manometric type pressure recording devices.;

in subclass 141, in the note, before "112", add *81.6,*;

in subclass 152, under "Search This Class, Subclasses", in numerical order, add *81.6, 141.*

206, Special Receptacles and Packages (Division 40)

in subclass 41.5, cancel the definition and notes and substitute:

41.5. Devices under subclass 41 provided with cutting means.

(1) Note.—Most of the cutters are for opening cigarette packages or for cutting plug tobacco.

Search Class—

131—TOBACCO, subclass 233, for combinations of cigar tip cutters, perforators or slitters with ash receiving receptacles and subclasses 250 + and the notes thereto for receptacles combined with cutters limited to use in cutting the ends from cigars and cigarettes.

220, Metallic Receptacles (Division 40)

in subclass 44, note (3) add in numerical order

136—BATTERIES, subclasses 177 +.;

in subclass 86, number the unnumbered note *(3)* and add:

Search Class—

136—BATTERIES, subclasses 162 and 178.

236, Automatic Temperature and Humidity Regulation (Division 30)

in subclass 12, add:

(1) Note.—Processes of desuperheating steam by regulating the mixture of superheated steam and water are in class 122, LIQUID HEATERS AND VAPORIZERS, subclasses 459, 479, and 487, with or without claimed regulating apparatus which, per se, is classifiable in class 236.

259, Agitating (Division 32)

in the main class definition, under "(6) Search Classes", in the reference to class 222, Dispensing, under paragraph "B. (2)", change the clause in parentheses to read: *(the agitator element or the agitator-receptacle subcombination going to class 259)*;

and under paragraph "B. (3)", before "container", insert *claimed.*

261, Gas and Liquid Contact Apparatus (Division 32)

in the main class definition, add:

(4) Note.—Processes of desuperheating steam by gas and liquid contact are in class 122, LIQUID HEATERS AND VAPORIZERS, subclasses 459, 479, and 487, with or without claimed contact apparatus which, per se, is classifiable in class 261.

263, Heating (Division 28)

in subclass 51, under (3) Note, in the reference to class 158, Liquid and Gaseous Fuel Burners, change "4, 5" to *4.5.*

268, Closure-Operators (Division 1)

in subclass 44, cancel the definition and the note and substitute:

44. Devices under subclass 43 in which the door is mounted in a vertical plane, and moves horizontally therein.

Search this class, subclass—

46—for doors, other than freight car doors, having the same character of movement.

287, Rod Joints or Couplings (Division 52)

establish the following subclass definition:

81. Devices under subclass 75 in which an element has either a concentric or peripheral opening therein about which the flexible rod or strand is adapted to be wrapped around and fastened, the combined device forming an eye. The element is commonly called a thimble.

(1) Note.—This subclass includes (1) the thimble, per se, (2) the combination of the thimble and the rod as a unit, and (3) such a unit as an element of a more complex joint.

(2) Note.—Clamps for temporarily holding the strand on the thimble during splicing operations will be found in both classes 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 23, and 114, SHIPS, subclass 226.

Search Class—

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 23, see note (2).

114—SHIPS, subclass 226, see note (2).

254—PUSHING AND PULLING IMPLEMENTS, subclass 190, for similar elements which serve as guides for the movement of the strand.

316, Electric Lamp and Discharge Devices, Manufacture and Repair (Division 54)

in subclass 9, under "Search Class", in the reference to class 117, Coating; Processes and Miscellaneous Products, change "subclass 128" to *subclasses 128 +.*

TRADE-MARKS

OFFICIAL GAZETTE, JULY 11, 1944

[VOL. 564. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 454,344. NORTHWESTERN LEATHER COMPANY TRUST, Boston, Mass. Filed July 20, 1942.



FOR CATTLE HIDE SIDE UPPER LEATHER AND CATTLE HIDE SIDE UPPER LEATHER SPLITS.
Claims use since July 1932.

Ser. No. 467,566. HICKEY LEATHER COMPANY, Shrewsbury, Mass. Filed Feb. 19, 1944. Under 10-year proviso.

SHREWSBURY

FOR TANNED AND FINISHED LEATHERS.
Claims use since Jan. 1, 1888.

Ser. No. 468,644. UNION BAYSTATE CO. INC, Cambridge, Mass. Filed Mar. 24, 1944.

ISOPOL

FOR SYNTHETIC LATEX.
Claims use since Mar. 16, 1944.

Ser. No. 469,167. SIDNEY PASSIN, Brooklyn and New York, N. Y. Filed Apr. 8, 1944.



The word "Hatmatcher" is disclaimed apart from the mark. The picture is fanciful.
FOR FUR SKINS.
Claims use since Jan. 26, 1943.

Ser. No. 469,498. GENERAL TEXTILE MILLS, INC., New York, N. Y. Filed Apr. 20, 1944.

GENTEXITE

FOR SHEETS, PLATES, BARS, RODS, AND TUBES OF HEAT MOLDED LAMINATES OF FABRIC AND PHENOL RESINS ADAPTED TO BE CUT INTO SHAPES, DRILLED, THREADED AND MACHINED BY MANUFACTURERS.
Claims use since Dec. 14, 1943.

Ser. No. 469,936. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 4, 1944.

MONTAR

FOR NORMALLY SOLID, CRUDE SYNTHETIC RESINS.
Claims use since Apr. 22, 1944.

CLASS 2

RECEPTACLES

Ser. No. 467,975. MIDWEST MANUFACTURING AND ENGINEERING CORP., Boston, Mass., and New York, N. Y. Filed Mar. 4, 1944.

du Pont

FOR CONDIMENT DISPENSERS OF PLASTIC OR SIMILAR MATERIALS.
Claims use since Mar. 1, 1944.

Ser. No. 469,005. LIBERO JOSEPH DANELUZZI, Bridgeton, N. J. Filed Apr. 4, 1944.

"SELL-APPEAL"

FOR BOXES MADE OF PAPER, CARDBOARD, WOOD, OR PLASTIC.
Claims use since May 1937.

Ser. No. 469,086. MIDWEST MANUFACTURING AND ENGINEERING CORP., Boston, Mass., and New York, N. Y. Filed Apr. 6, 1944.



FOR CONDIMENT DISPENSERS MADE OF PLASTIC OR SIMILAR MATERIALS.
Claims use since Mar. 20, 1944.

Ser. No.. 470,454. IVERS-LEE COMPANY, Newark, N. J. Filed May 20, 1944.

METASEAL-PAK

The word "Pak" is disclaimed apart from the mark.
FOR MERCHANDISE ENVELOPES FORMED OF METAL FOIL WITH OR WITHOUT A COATING OF "CELLOPHANE," "PLIOFILM" OR THE LIKE, AND WITH OR WITHOUT PAPER COVERS.
Claims use since Apr. 27, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 465,358. COLUMBIA-WALESCRAFT CO., New York, N. Y. Filed Nov. 29, 1943.

HUSH-MONEY

No claim is made to the word "Money" apart from the mark.
FOR BILLFOLDS, WALLETS, KEY CASES, CARD CASES, PASS CASES, AND CHANGE PURSES.
Claims use since Mar. 10, 1943.

Ser. No. 469,329. BLAINE EWING, New York, N. Y. Filed Apr. 14, 1944.

FILE-A-V

No claim is made to the word "File" apart from the mark.
FOR PORTFOLIOS FOR HOLDING AND CARRYING CORRESPONDENCE AND THE LIKE.
Claims use since Apr. 11, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 466,163. J N T MFG. COMPANY INC., New York, N. Y. Filed Dec. 29, 1943.

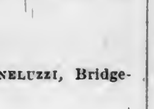
JNT

FOR FABRIC SPOT REMOVER AND CLEANER; PREPARATION TO REMOVE STAINS AND HEAT RINGS ON VARNISH, LACQUER, SHELLAC, AND METAL SURFACES; MOTH RESISTANT CLEANER FOR USE ON FABRIC, UPHOLSTERY AND RUGS; PREPARATION FOR REMOVING MARS, STREAKS AND RUST FROM AUTOMOBILE BODY FINISHES AND METAL PARTS; CLEANING WAX FOR AUTOMOBILE FINISHES; SURFACE FILM REMOVER; AN ENAMEL CLEANER FOR VENETIAN BLINDS AND WOODWORK, PAINTED FURNITURE, REFRIGERATORS AND ENAMELED STOVES; VENETIAN BLIND TAPE AND CORD CLEANER; METAL POLISH; SHOE CLEANER AND WHITENER; SILVER POLISH; AND METAL TARNISH REMOVER.

Claims use since June 18, 1934, on preparation for removing mars, streaks, and rust from automobile body finishes and metal parts; preparation to remove stains and heat rings on varnish, lacquer, shellac and metal surfaces, and metal polish; since June 19, 1939, on moth resistant cleaner; since Sept. 16, 1943, on cleaning wax for automobile finishes; since Dec. 24, 1935, on surface film remover; since Sept. 3, 1937, on fabric spot remover and cleaner; since June 1, 1938, on shoe cleaner and whitener; since June 13, 1939, on Venetian tape and cord cleaner; since Oct. 27, 1939, on enamel cleaner; and since Sept. 27, 1943, on silver polish, and tarnish remover.

Ser. No. 466,164. J N T MFG. COMPANY INC., New York, N. Y. Filed Dec. 29, 1943.

JNT



FOR FABRIC SPOT REMOVER AND CLEANER; PREPARATION TO REMOVE STAINS AND HEAT RINGS ON VARNISH, LACQUER, SHELLAC, AND METAL SURFACES; MOTH RESISTANT CLEANER FOR USE ON FABRIC, UPHOLSTERY AND RUGS; PREPARATION FOR REMOVING MARS, STREAKS AND RUST FROM AUTOMOBILE BODY FINISHES AND METAL PARTS; CLEANING WAX FOR AUTOMOBILE FINISHES; SURFACE FILM REMOVER; AN ENAMEL CLEANER FOR VENETIAN BLINDS AND WOODWORK, PAINTED FURNITURE, REFRIGERATORS AND ENAMELED STOVES; VENETIAN BLIND TAPE AND CORD CLEANER; METAL POLISH; SHOE CLEANER AND WHITENER; SILVER POLISH; AND TARNISH REMOVER.

Claims use since June 18, 1934, on preparation for removing mars, streaks, and rust from automobile body finishes and metal parts; preparation to remove stains and heat rings on varnish, lacquer, shellac and metal surfaces, and metal polish; since June 19, 1939, on moth resistant cleaner for use on fabric, upholstery and rugs; since Sept. 16, 1943, on cleaning wax for automobile finishes; since Dec. 24, 1935, on surface film remover; since Sept. 3, 1937, on fabric spot remover and cleaner; since June 1, 1938, on shoe cleaner and whitener; since June 13, 1939, on Venetian tape and cord cleaner; since Oct. 27, 1939, on enamel cleaner; and since Sept. 27, 1943, on silver polish, and tarnish remover.

Ser. No. 468,570. WALTER G. LEGGE COMPANY, INC., New York, N. Y. Filed Mar. 23, 1944.

GRIP-TEX

FOR GRITTY POWDER TO BE SPRINKLED ON WET FLOORS FOR IMPARTING NON-SLIP PROPERTIES THERETO.
Claims use since Mar. 1, 1938.

Ser. No. 468,571. WALTER G. LEGGE COMPANY, INC., New York, N. Y. Filed Mar. 23, 1944.

GRIP-TEX 0

FOR ABSORBENT GRITTY POWDER TO BE SPRINKLED ON GREASY FLOORS FOR IMPARTING NON-SLIP PROPERTIES THERETO.
Claims use since Mar. 1, 1938.

Ser. No. 468,877. COSMET COMPANY, Minneapolis, Minn. Filed Mar. 31, 1944.

CosmaKleen

The word "Kleen" is disclaimed apart from the rest of the mark.
FOR LENS CLEANING PREPARATION.
Claims use since Mar. 16, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 441,653. THE VITA-FOOD CORPORATION, Los Angeles, Calif. Filed Mar. 17, 1941.



The circular background is colored blue.
FOR CONCENTRATE—NAMELY, CONCENTRATE OF PLANT EXTRACTIVES WITH VITAMIN B-1 (THIAMIN CHLORIDE), NICOTINIC ACID. AND PURIFIED VITAMIN A FROM FISH LIVER ADDED.
Claims use since Dec. 1, 1940.

Ser. No. 460,923. CONSOLIDATED HAIR GOODS COMPANY, INCORPORATED, Chicago, Ill. Filed May 26, 1943.

FIJ-OIL

The word "Oil" is disclaimed apart from the mark.
FOR HAIR AND SCALP SHAMPOO.
Claims use since Apr. 1, 1934.

Ser. No. 461,997. BERITA CORPORATION, Chicago, Ill. Filed July 12, 1943.

Berita

FOR MEDICINAL PREPARATIONS OF BERBERIS FOR USE AS A BITTER STOMACHIC.
Claims use since July 11, 1941.

Ser. No. 463,279. SANTE CHEMICAL CO., New York, N. Y., assignor to Sante Chemical Company, Inc., New York,

SUL-RAY

N. Y., a corporation of New York. Filed Sept. 8, 1943.
FOR COLLOIDAL SULPHUR PRODUCTS FOR EXTERNAL BATHS.
Claims use since Mar. 1, 1943.

Ser. No. 463,892. THE S/A PRODUCTS COMPANY, Glendale, Calif. Filed Oct. 4, 1943.

SHAVE-AID

The word "Shave" is disclaimed apart from the mark.
FOR STYPTIC STICKS.
Claims use since Mar. 1, 1943.

Ser. No. 466,746. IRVING SIMON, doing business as Aid-Oil Drugs, Brooklyn, N. Y. Filed Jan. 20, 1944.

TINCTURE ZINDEX

No claim is made to the word "Tincture" apart from the mark.
FOR FOOT PREPARATION FOR ATHLETE'S FOOT.
Claims use since Nov. 30, 1943.

Ser. No. 466,839. JACOB HECHT, doing business as Tri-Fax Company, Los Angeles, Calif. Filed Jan. 24, 1944.

TRI-FAX

FOR PREPARATION FOR THE RELIEF OF ARTHRITIS, ASTHMA, AND HAY FEVER.
Claims use since Jan. 18, 1944.

Ser. No. 467,096. JANTZEN KNITTING MILLS, also doing business as Santiseptic Company, Portland, Oreg. Filed Feb. 2, 1944.

CLOVIS

FOR MOUTH WASH.
Claims use since Dec. 22, 1943.

Ser. No. 467,158. KEENE'S LABORATORIES LIMITED, London, England. Filed Feb. 4, 1944.

Irving A Keene

The mark consists of the facsimile signature of Irving A. Keene, the predecessor of applicant company.
FOR TONIC TABLETS FOR INTERNAL USE.
Claims use since Dec. 1, 1939.

Ser. No. 467,894. LIGHTFOOT SCHULTZ CO., New York, N. Y., and Hoboken, N. J. Filed Mar. 1, 1944.

Royal Oak

FOR AFTER SHAVING LOTION, HAIR DRESSING, PERSONAL DEODORANT, COLOGNE, TALCUM POWDER, HAIR TONIC, BATH OIL, PERFUME, FOUNDATION CREAM, AND HAIR POMADE.
Claims use since Jan. 26, 1942.

Ser. No. 468,191. COTY, INC., New York, N. Y. Filed Mar. 11, 1944.

BATIQUE

FOR FACE POWDER, DUSTING POWDER, TOILET WATER PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Mar. 8, 1944.

Ser. No. 468,646. THE UNITED PIECE DYE WORKS, Lodi, N. J. Filed Mar. 24, 1944.

UNIDURE

FOR CHEMICAL PREPARATION FOR TREATING AND FINISHING FABRICS TO RENDER THE SAME CREASE RESISTANT.
Claims use since Feb. 17, 1944.

Ser. No. 468,672. CARLOS E. P. GUERRA, doing business as Perez Guerra, Ltd., Los Angeles, Calif. Filed Mar. 25, 1944.

"Lama"

FOR COLOGNE.
Claims use since Feb. 22, 1944.

Ser. No. 469,001. IRENE BLAKE COSMETICS, INC., doing business as Artfield Creations, New York, N. Y. Filed Apr. 4, 1944.

Gabardine

FOR AFTER SHAVE POWDER, AFTER SHAVE LOTION, AND HAIR DRESSING.
Claims use since Jan. 3, 1944.

Ser. No. 469,178. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee, Wis. Filed Apr. 10, 1944.

SILIMITE

FOR MAGNESIUM COMPOUNDS FOR TREATING WATER TO REMOVE OR MODIFY SCALE FORMING CHARACTERISTICS THEREOF.
Claims use since Aug. 17, 1940.

Ser. No. 469,242. HENRI BENDEL, INC., New York, N. Y. Filed Apr. 12, 1944.

ORDNANCE RED

The word "Red" is disclaimed apart from the mark.
FOR LIPSTICK.
Claims use since June 25, 1942.

Ser. No. 469,286. SOLAR AIRCRAFT COMPANY, San Diego, Calif. Filed Apr. 12, 1944.

SOLAR

FOR WELDING FLUXES.
Claims use since July 21, 1943.

Ser. No. 469,363. THE NATIONAL AGROL COMPANY, Washington, D. C. Filed Apr. 15, 1944.

ORAPHIL

FOR CHEWING GUM CONTAINING CAROTINOID COMPLEX AND VITAMIN B COMPLEX.
Claims use since Mar. 28, 1944.

Ser. No. 469,398. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Apr. 17, 1944.

SOMNIFENE

FOR MEDICINAL PREPARATION RECOMMENDED FOR USE AS A SEDATIVE AND HYPNOTIC.
Claims use since January 1924.

Ser. No. 469,480. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Apr. 19, 1944.

CUMATE

FOR ACCELERATOR FOR NATURAL AND SYNTHETIC RUBBERS.
Claims use since Apr. 6, 1944.

Ser. No. 469,593. ETHICO LABORATORIES, Kansas City, Mo. Filed Apr. 24, 1944.

DUVA

FOR LIQUID ACID VAGINAL DOUCHE CONCENTRATE.
Claims use since Mar. 1, 1944.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 469,495. ECUSTA PAPER CORPORATION, Pisgah Forest, N. C. Filed Apr. 20, 1944.

ECUSTA



FOR CIGARETTE PAPER.
Claims use since Apr. 15, 1942.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 461,049. GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind. Filed May 31, 1943.

PLASTOBRIC

FOR ASPHALT INSULATED BRICK DESIGN SIDING.
Claims use since Nov. 20, 1941.

Ser. No. 465,294. WALTER MAGUIRE COMPANY, INC., New York, N. Y. Filed Nov. 25, 1943.

EMERI-CRETE

The word "Emeri" is disclaimed apart from the mark.
FOR PRE-MIXED CEMENT FOR PATCHING CONCRETE.
Claims use since Aug. 17, 1943.

Ser. No. 465,997. UNITED STATES PLYWOOD CORPORATION, New York, N. Y. Filed Dec. 22, 1943.



The representation of the goods and the words "I'm the Plastic Bond" and "Plastics and Wood Welded for Good" are disclaimed apart from the mark.
FOR PLYWOOD.
Claims use since Feb. 1, 1943.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 468,110. CITY PATTERN FOUNDRY AND MACHINE CO., Detroit, Mich. Filed Mar. 9, 1944.

CITY PATTERN

The words "Pattern Foundry and Machine Co." are disclaimed apart from the mark.
FOR BRASS, BRONZE, AND ALUMINUM CASTINGS.
Claims use since Sept. 1, 1943.

CLASS 15

OILS AND GREASES

Ser. No. 467,858. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Feb. 29, 1944.

MICROGRIND

FOR OILY COMPOUNDS SOLUBLE IN WATER FOR USE AS COOLANTS IN GRINDING AND SIMILAR FINISHING OPERATIONS ON METAL SURFACES.
Claims use since April 1942.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 470,057. WEBSTER EISENLOHR, INC., New York, N. Y. Filed May 8, 1944.

RACQUET

FOR CIGARETTES.
Claims use since May 4, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 462,528. THE VALHALLA COMPANY, Chicago, Ill. Filed Aug. 4, 1943.

VALCHLORATOR

FOR COMBINATION ELECTROLYTIC CELLS AND ELECTROLYTE TANKS.
Claims use since June 9, 1942.

Ser. No. 465,446. EDWARD A. BRASS, doing business as Shops of Edward A. Brass, Shreveport, La. Filed Dec. 2, 1943.

FOR FIRE ALARM APPARATUS, RAILWAY SIGNAL CONTROLS, TRAFFIC SIGNALS AND ASSOCIATED CONTROL APPARATUS, BURGLAR ALARMS, NAVIGATION SIGNALS FOR SHIPS' USE, SIRENS, AND SPECIAL SWITCH BOARDS, ALL ELECTRICALLY OPERATED.
Claims use since Mar. 1, 1941.

Ser. No. 468,568. WALTER G. LEGGE COMPANY, INC., New York, N. Y. Filed Mar. 23, 1944.

CONDUCOTE

FOR PLASTIC MATERIAL TO BE APPLIED TO FLOORS FOR RENDERING THEM SPARK PROOF AND CONDUCTIVE OF STATIC ELECTRICITY.
Claims use since Mar. 1, 1942.

Ser. No. 469,992. INTERNATIONAL PRODUCTS CORPORATION, Baltimore, Md. Filed May 6, 1944.

TURA

FOR COMPOSITE ELECTRICAL INSULATING MATERIAL COMPRISING A HOT PRESSED ELECTRICAL INSULATING BASE, THE PARTICLES OF WHICH ARE BONDED WITH A LOW FUSING POINT GLASS, AND HOT PRESSED ELECTRICAL INSULATING MATERIAL COMPRISING ELECTRICAL INSULATING MICA, THE PARTICLES OF WHICH ARE BONDED WITH A LOW FUSING POINT GLASS, SAID MATERIAL BEING IN GENERAL IN SHEET, BLOCK, AND SPECIAL SHAPES.
Claims use since Apr. 5, 1944.

Ser. No. 470,013. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed May 6, 1944.

HIPERSIL

FOR ELECTRIC TRANSFORMERS AND PARTS THEREFOR.
Claims use since Jan. 25, 1943.

Ser. No. 470,071. ELECTRICAL REACTANCE CORPORATION, Franklinville, N. Y. Filed May 9, 1944.

ERCO.

FOR ELECTRICAL CAPACITORS, RESISTORS, OR INDUCTORS.
Claims use since Oct. 1, 1943.

Ser No. 470,425. SELENIUM CORPORATION OF AMERICA, Los Angeles, Calif. Filed May 19, 1944.

SCA

FOR PHOTO-ELECTRIC CELLS AND SELENIUM RECTIFIERS.
Claims use since December 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 464,608. EDWARD H. GUETTEL, doing business as the Hollywood Game Co., Los Angeles, Calif. Filed Nov. 2, 1943.



The words "Hollywood," "2 Games in One," "The Most Hilarious Game of the Century," and "Hollywood Game Co." are disclaimed apart from the mark.
FOR PARLOR QUESTION AND ANSWER GAMES AND PARLOR BUYING AND SELLING GAMES.
Claims use since Jan. 2, 1941.

Ser. No. 465,779. KIDSTUF CO., Minneapolis, Minn. Filed Dec. 15, 1943.

KIDSTUF

FOR MANUALLY PROPELLED WHEELED TOYS EACH HAVING A MOVABLE OBJECT ACTUATED BY ROTATION OF A WHEEL OF THE TOY.
Claims use since Oct. 12, 1943.

Ser. No. 466,066. ARMAC GAMES, New York, N. Y. Filed Dec. 27, 1943.

BOMBS AWAY

FOR GAME HAVING A PLAYING FIELD AND MOVABLE PIECES SIMULATING PROJECTILES.
Claims use since Aug. 1, 1943.

Ser. No. 468,430. ROBERT M. BOWES, Waterbury, Conn. Filed Mar. 20, 1944.



The picture is that of applicant's minor daughter.
FOR PLAYING CARDS.
Claims use since Apr. 7, 1943.

Ser. No. 469,229. IDEAL AEROPLANE & SUPPLY CO., INC., New York, N. Y. Filed Apr. 11, 1944.

IDEAL

FOR TOY MODEL AIRPLANES, TOY MODEL SHIPS, AND TOY MODEL RAILROAD CONSTRUCTION SETS AND SUPPLIES, SAID SUPPLIES COMPRISING WHEELS, AXLES, TRUCK SIDES, TRUCK BOLSTERS, LANDSCAPE MATERIAL FOR TREES AND SHRUBBERY, MINIATURE BUILDINGS, INCLUDING STATIONS, TOWER HOUSES, ROUNDHOUSES, WATER TANKS, FLAG STOP STATIONS, BRIDGES, AND CROSSING GATES AND SHANTY; COUPLERS AND UNCOUPLING DEVICE, BRAKE WHEELS, BRAKE CYLINDERS, STEPS, BRAKE PLATFORM AND EMBOSSED FREIGHT CAR SIDES.
Claims use since about April 1911 with respect to toy model airplanes; since about September 1933 with respect to toy model ships; and since about April 1939 with respect to toy model railroad construction sets and supplies.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 464,020. HARRY DARBY, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Filed Oct. 9, 1943.

COWBOY BRAND

No claim is made to the word "Brand" apart from the mark.
FOR BELT AND CHAIN CONVEYORS FOR HANDLING ROCK, SAND, AND GRAIN; DERRICKS; ROTARY BATCH DRIERS FOR HANDLING SALT, CEMENT, MOLASSES, AND DEXTROSE; FEED MIXERS; AND COMMERCIAL STILLS FOR PETROLEUM, ALCOHOL, AND CHEMICALS.
Claims use since Sept. 25, 1943.

Ser. No. 465,737. HARRY DARBY, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Filed Dec. 13, 1943.

PRAIRIE SCHOONER

FOR BELT AND CHAIN CONVEYORS FOR HANDLING ROCK, SAND, AND GRAIN; DERRICKS; ROTARY BATCH DRIERS FOR HANDLING SALT, CEMENT, MOLASSES, AND DEXTROSE; FEED MIXERS; AND COMMERCIAL STILLS FOR PETROLEUM, ALCOHOL, AND CHEMICALS.
Claims use since Nov. 16, 1943.

Ser. No. 468,905. AUSTIN L. STALEY, Trustee in Reorganization for the Universal Lubricating Systems, Inc., Oakmont, Pa. Filed Mar. 31, 1944.

GRIPSEAL

FOR HYDRAULIC COUPLERS FOR COUPLING A GREASE-DELIVERY HOSE OF A GREASE-GUN TO A GREASE-RECEIVING FITTING OR NIPPLE ON THE MACHINE OR BEARING TO BE LUBRICATED.
Claims use since Jan. 12, 1943.

Ser. No. 469,304. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Apr. 13, 1944.

GENIUS

FOR PLOWS AND PARTS THEREOF.
Claims use since Dec. 1, 1940.

Ser. No. 469,485. ALUMINUM INDUSTRIES, INC., Cincinnati, Ohio. Filed Apr. 20, 1944.

DIACHROME

FOR ENGINE VALVES.
Claims use since July 1, 1927.

Ser. No. 469,486. ALUMINUM INDUSTRIES, INC., Cincinnati, Ohio. Filed Apr. 20, 1944.

PERMITE

FOR PISTONS, PISTON PINS AND BUSHINGS; VALVES, VALVE GUIDES, VALVE SPRINGS AND VALVE KEYS FOR INTERNAL COMBUSTION ENGINES; WATER PUMPS AND PARTS FOR INTERNAL COMBUSTION ENGINES; MACHINERY SHAFTS, MACHINERY BUSHINGS, EXPLOSION MUFFLERS FOR INTERNAL COMBUSTION ENGINES.
Claims use since Oct. 1, 1930.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 464,391. H-W MANUFACTURING COMPANY, Los Angeles, Calif. Filed Oct. 25, 1943.

TRACEX

FOR ELECTRONIC TESTING DEVICE WHICH IS AN INSTRUMENT FOR ASSISTANCE IN LOCATING SOURCES OF TROUBLE SUCH AS DEFECTIVE PARTS OR CIRCUITS IN ELECTRICAL EQUIPMENT USED IN RADIO COMMUNICATION SYSTEMS.
Claims use since November 1941.

Ser. No. 467,527. GEORGE M. LAUB, New York, N. Y. Filed Feb. 18, 1944.

Personality

FOR PAPER DRESS PATTERNS.
Claims use since Jan. 12, 1944.

Ser. No. 467,548. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Feb. 18, 1944.

MADEMOISELLE

FOR PAPER DRESS PATTERNS.
Claims use since Jan. 24, 1944.

Ser. No. 468,417. L. J. MUELLER FURNACE COMPANY, Milwaukee, Wis. Filed Mar. 18, 1944.

Season-stat

FOR ELECTRICALLY ACTUATED THERMOSTATIC CONTROLS FOR HEATING APPARATUS.
Claims use since Oct. 28, 1941.

Ser. No. 470,078. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed May 9, 1944.

THE CLIPPER

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.
Claims use since Apr. 25, 1944.

Ser. No. 470,222. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed May 13, 1944. Under section 5b of the act of 1905, as amended in 1920.

EDISON

Applicant claims registration #259,039, effected under 10-year proviso of section 5b of the act of Feb. 20, 1905, covering "Edison."
FOR INDICATING INSTRUMENTS—NAMELY, TEMPERATURE INDICATORS AND INDICATING INSTRUMENTS OR UNITS EACH COMPRISING AN ASSEMBLY OF A TEMPERATURE INDICATOR, A PRESSURE GAUGE AND A DIFFERENTIAL PRESSURE GAUGE.
Claims use since June 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 469,659. GEORGE N. WALLACE, doing business as Jules Racine & Company, New York, N. Y. Filed Apr. 25, 1944. Under 10-year proviso.

C. L. Guinand

FOR WATCHES, STOP-WATCHES, AND PARTS THEREOF.
Claims use since April 1884.

Ser. No. 469,660. GEORGE N. WALLACE, doing business as Jules Racine & Company, New York, N. Y. Filed Apr. 25, 1944. Under 10-year proviso.

Lady Racine

FOR WATCHES AND PARTS THEREOF.
Claims use since October 1890.

Ser. No. 469,661. GEORGE N. WALLACE, doing business as Jules Racine & Company, New York, N. Y. Filed Apr. 25, 1944. Under 10-year proviso.

NATIONAL PARK

FOR WATCHES, STOP-WATCHES AND PARTS THEREOF.
Claims use since July 1889.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 469,153. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo. Filed Apr. 8, 1944.
The pictures are fanciful.



FOR WATCH CHAINS NOT INCLUDING WATCHES, TIE CHAINS, TIE CLASPS, EMBLEM CHARMS, EMBLEM BUTTONS, EMBLEM PINS, LOCKETS, BADGES, CUFF LINKS, SCARF PINS, BUCKLES, FOBS, COLLAR BUTTONS, SHIRT STUDS, NECK CHAINS, BRACELETS, KEY RINGS, KEY CHAINS, AND MONEY CLIPS.
Claims use since Feb. 15, 1944.

Ser. No. 469,216. I. ALBERTS' SONS, INC., Boston, Mass. Filed Apr. 11, 1944.

FORGET ME-NOT

Applicant is the owner of Reg. No. 169,339.
FOR FINGER RINGS.
Claims use since Jan. 1, 1922.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 459,384. UNITED CONVEYOR CORPORATION, Chicago, Ill. Filed Mar. 26, 1943.

NUVASEAL

FOR METALLIC GASKETS.
Claims use since Feb. 18, 1943.

CLASS 37

PAPER AND STATIONERY

Ser. No. 463,326. MINNESOTA PAPER AND CORDAGE CO., Minneapolis, Minn. Filed Sept. 10, 1943.

Excelized

FOR WRAPPING PAPERS, GROCERY AND INDUSTRIAL; BUTCHER'S WRAPPING; LOCKER PAPER; BOND PAPER; BRISTOL BOARD; COVER PAPERS, AND "MIMEOGRAPH" PAPERS.
Claims use since Aug. 1, 1943.

Ser. No. 468,280. COOKS' INC., Camden, N. J. Filed Mar. 14, 1944.

VU-DEX

FOR TRANSPARENT PROTECTING ENVELOPES IN BINDER FORM FOR PHOTOGRAPHS, CARDS, RECORDS, AND SIMILAR ARTICLES.
Claims use since Oct. 12, 1943.

Ser. No. 469,349. UNIVERSAL FOUNTAIN PEN CO., New York, N. Y. Filed Apr. 14, 1944.

uni-flow

No claim is made to the word "flow" apart from the mark.
FOR FOUNTAIN PENS.
Claims use since Dec. 21, 1943.

Ser. No. 469,371. WESLEY & WINTER, INC., Linden, N. J. Filed Apr. 15, 1944.

FLYAWAY

FOR TABLETS, WRITING PAPER AND ENVELOPES, PAPETERIES, AND TYPEWRITING PAPER.
Claims use since Mar. 1, 1944.

Ser. No. 469,657. THE TISSUE COMPANY, Saugerties, N. Y. Filed Apr. 25, 1944.

LYNKLOTH

FOR PAPER NAPKINS.
Claims use since July 20, 1923.

CLASS 39
CLOTHING

Ser. No. 455,932. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y. Filed Oct. 2, 1942.

SKYTOP

FOR MEN'S AND WOMEN'S LEISURE SHIRTS FOR OUTER WEAR, SHORTS AND TROUSERS.
Claims use since July 1, 1939.

Ser. No. 458,596. LUXURAY, DIVISION OF BEAUNIT MILLS, INC., New York, N. Y. Filed Feb. 17, 1943.

Dove Skin

FOR LADIES', MISSES', CHILDREN'S, AND INFANTS' CHEMISE, PANTIES, VESTS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND PAJAMAS.
Claims use since Jan. 8, 1935.

Ser. No. 458,375. STYLECRAFT SALES CORP., New York, N. Y. Filed Feb. 6, 1943.

STYLECRAFT

FOR WOMEN'S HOSIERY.
Claims use since January 1933.

Ser. No. 459,827. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 13, 1943. Under section 5b of the act of 1905 as amended in 1920.

Stein Bloch
Tailors

Applicant is the owner of the mark "The Stein Bloch Co.," Reg. No. 60,573 (renewed), and of the mark "Stein Bloch," Reg. No. 289,235, both registrations effected under the 10-year proviso. Applicant disclaims the word "Tailors" apart from the mark.
FOR OUTER COATS, SPORT JACKETS, AND SUITS FOR WOMEN.
Claims use since Mar. 10, 1943.

Ser. No. 466,359. NAZARETH WAIST CO., Nazareth, Pa. Filed Jan. 6, 1944.



The representation of the underwaist is disclaimed apart from the mark.
FOR UNION SUITS, WAIST SUITS, PAJAMAS, SHIRTS AND PANTIES ALL FOR THE USE OF INFANTS AND CHILDREN OF BOTH SEXES.
Claims use since 1923.

Ser. No. 467,466. PHELPS ASSOCIATES, New York, N. Y. Filed Feb. 16, 1944.



FOR GARMENT BELTS.
Claims use since Sept. 1, 1943.

Ser. No. 468,309. ROYAL MANUFACTURING CO., Los Angeles, Calif. Filed Mar. 14, 1944.

Royal
OF CALIFORNIA

The term "of California" is disclaimed apart from the mark.
FOR WOMEN'S CLOTHING—NAMELY, SLACKS, PLAY-CLOTHES, DRESSES AND UNIFORMS FOR INDUSTRIAL OR DOMESTIC USE.
Claims use since May 10, 1927.

Ser. No. 468,346. HYMAN H. MISHEL, Philadelphia, Pa. Filed Mar. 16, 1944.

Deluge

The drawing is lined for shading only.
FOR RAINCOATS, RAIN CAPES, AND STORM HOODS.
Claims use since Feb. 25, 1944.

Ser. No. 468,949. CAVU CLOTHES, Cincinnati, Ohio. Filed Apr. 3, 1944.

CAVU

FOR SHIRTS, JACKETS, COVERALLS, SLACKS, WIND-BREAKERS, AND CAPS FOR MEN AND WOMEN.
Claims use since Oct. 29, 1943.

Ser. No. 468,962. MILLER-SMITH HOSIERY MILLS, Chattanooga, Tenn. Filed Apr. 3, 1944.

Modern Girl

FOR LADIES' SILK HOSIERY.
Claims use since Mar. 27, 1923.

Ser. No. 468,963. MILLER-SMITH HOSIERY MILLS, Chattanooga, Tenn. Filed Apr. 3, 1944.

WearPlus

The word "Wear" is disclaimed apart from the mark.
FOR SILK FIBER, COTTON, AND SILK HOSIERY; MEN'S, LADIES', AND CHILDREN'S COTTON, WOOL, AND SILK UNDERWEAR; MEN'S, LADIES', AND CHILDREN'S COTTON, WOOL, AND SILK SWEATERS; AND LADIES' COTTON AND WOOL KNIT SKIRTS.
Claims use since June 1, 1921.

Ser. No. 469,074. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Apr. 6, 1944.

Hocus-pocus

FOR WOMEN'S AND CHILDREN'S HATS.
Claims use since Feb. 23, 1943.

Ser. No. 469,166. SIDNEY PASSIN, Brooklyn and New York, N. Y. Filed Apr. 8, 1944.



The picture is fanciful. The word "Hatmatcher" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' FUR HATS.
Claims use since Jan. 26, 1943.

Ser. No. 469,255. GRAND GARMENT MANUFACTURING CO., INC., St. Paul, Minn. Filed Apr. 12, 1944.



Applicant disclaims the words "A Grand Garment."
FOR SNOW SUITS AND LADIES' COATS.
Claims use since Feb. 17, 1944.

Ser. No. 469,281. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio. Filed Apr. 12, 1944.

Gab Royal

FOR MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, TOPCOATS, OVERCOATS, SPORT JACKETS, AND SLACKS.
Claims use since October 1943.

Ser. No. 469,733. ROBERT C. KING & Co., New York, N. Y. Filed Apr. 27, 1944.

Cresterlea

FOR MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR.
Claims use since Feb. 18, 1944.

Ser. No. 469,777. MARGULIS BROTHERS, St. Louis, Mo. Filed Apr. 28, 1944.



FOR WEARING APPAREL FOR WOMEN, MISSES, AND GIRLS—NAMELY, SLIPS, PAJAMAS, NIGHTGOWNS, HOUSECOATS, PANTIES, SKIRTS, AND JACKETS, DRESSES, SLACKS, SLACK SUITS, AND PLAY SUITS.
Claims use since Mar. 10, 1944.

Ser. No. 469,829. CARLYE DRESS CORPORATION, St. Louis, Mo. Filed May 1, 1944.

Carlye

FOR JUNIOR, WOMEN'S, AND MISSES' DRESSES AND SPORTSWEAR—NAMELY, SKIRTS, SLACKS, SLACK SUITS, BLOUSES, JACKETS, AND BATHING SUITS.
Claims use since July 1938.

Ser. No. 470,032. KIRSHBAUM-HELBRAUN, INC., Chicago, Ill. Filed May 8, 1944.

Kirshalpa

FOR WOMEN'S AND MISSES' CLOTH COATS, JACKETS AND SUITS.
Claims use since Apr. 1, 1944.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 460,398. AMERICAN STAY COMPANY, East Boston, Mass. Filed May 4, 1943.

THERMOBIAS

FOR SHOE BINDING TAPES.
Claims use since October 1940.

Ser. No. 465,930. STEDFAST RUBBER COMPANY, INC., Mattapan, Mass. Filed Dec. 20, 1943.

THERMOBIAS

FOR ADHESIVE TEXTILE BINDING TAPE.
Claims use since Sept. 17, 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 455,321. CANTOR GREENSPAN CO., INC., New York, N. Y. Filed Sept. 4, 1942.



FOR RAYON PIECE GOODS.
Claims use since Aug. 14, 1942.

Ser. No. 467,604. EVERFAST FABRICS, INC., New York, N. Y. Filed Feb. 21, 1944.

RHUMBA CORD

The word "Cord" is disclaimed apart from the mark.
FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, SPUN RAYON, AND PROTEIN FIBRES.
Claims use since Dec. 13, 1932.

Ser. No. 469,002. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 4, 1944.

PARANESE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Mar. 30, 1944.

Ser. No. 469,038. CROMPTON COMPANY, Crompton, R. I. Filed Apr. 5, 1944.

SQUADRON ACE

FOR FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, PROTEIN FIBRES, OR MIXTURES THEREOF.
Claims use since Feb. 3, 1944.

Ser. No. 469,039. CROMPTON COMPANY, Crompton, R. I. Filed Apr. 5, 1944.

EMPYREAN

FOR FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, PROTEIN FIBRES OR MIXTURES THEREOF.
Claims use since Feb. 4, 1944.

Ser. No. 469,041. CROMPTON COMPANY, Crompton, R. I. Filed Apr. 5, 1944.

SKY LEADER

FOR FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, PROTEIN FIBRES OR MIXTURES THEREOF.
Claims use since Feb. 3, 1944.

Ser. No. 469,342. LOVELY LADY COMFORT CO., Philadelphia, Pa. Filed Apr. 14, 1944.

LovelyLady

FOR COMFORTS.
Claims use since Jan. 14, 1941.

Ser. No. 469,613. SIEGEL BROS. GARMENT CORP., New York, N. Y. Filed Apr. 24, 1944.

LUSTRASHEEN

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since May 15, 1936.

Ser. No. 469,698. SHIRLEY FABRICS CORP., New York, N. Y. Filed Apr. 26, 1944.

BLONKITA

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, WOOL, AND COMBINATIONS THEREOF.
Claims use since Apr. 6, 1941.

Ser. No. 469,701. SHIRLEY FABRICS CORP., New York, N. Y. Filed Apr. 26, 1944.

THRILLER

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, WOOL, AND COMBINATIONS THEREOF.
Claims use since Apr. 6, 1941.

CLASS 43

THREAD AND YARN

Ser. No. 468,458. THE LINEN THREAD CO., INC., New York, N. Y. Filed Mar. 20, 1944.

WESCO

FOR THREAD AND YARN.
Claims use since May 28, 1920.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 466,008. DEBS HOSPITAL SUPPLIES, Chicago, Ill. Filed Dec. 23, 1943.

MARVEEN

FOR SANITARY NAPKINS.
Claims use since August 1929.

Ser. No. 468,291. INDUSTRIAL RAW MATERIALS CORPORATION, New York, N. Y. Filed Mar. 14, 1944.

INDRALATUM

FOR WAX USED FOR DENTAL PURPOSES.
Claims use since Dec. 11, 1943.

Ser. No. 469,679. LACTONA INCORPORATED, St. Paul, Minn. Filed Apr. 26, 1944.

Plasto Pix

The word "Pix" is disclaimed apart from the mark.
FOR TOOTHPICKS.
Claims use since Apr. 12, 1944.

Ser. No. 470,215. WILLIAM R. WARNER & Co. INC., New York, N. Y. Filed May 12, 1944.

COLDMASTER

FOR VAPORIZER PARTICULARLY FOR EVAPORATING AN INHALANT.
Claims use since May 4, 1944.

Ser. No. 470,501. THE KENDALL COMPANY, Walpole, Mass. Filed May 22, 1944.

PRO

FOR ATHLETIC SUPPORTERS.
Claims use since December 1913.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 468,564. HYMAN GOODMAN, doing business as Paradise Packing Co., Brooklyn, N. Y. Filed Mar. 23, 1944.

GRAPFALL

FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Feb. 1, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 460,474. FRUEN MILLING COMPANY, Minneapolis, Minn. Filed May 7, 1943.

CREAM OF RYE

The word "Rye" is disclaimed apart from the mark.
FOR CEREAL BREAKFAST FOODS.
Claims use since 1902.

Ser. No. 461,399. WENATCHEE VALLEY FOODS, INC., North Wenatchee, Wash. Filed June 14, 1943.

3-PLUS

FOR CANNED FRUITS.
Claims use since September 1942.

Ser. No. 466,955. SOUTHERN COFFEE AND SPICE COMPANY, Birmingham, Ala. Filed Jan. 28, 1944.

KOFFEKUP

FOR COFFEE.
Claims use since Dec. 31, 1943.

Ser. No. 470,265. DURAND HART, San Francisco, Calif. Filed May 15, 1944.

MOBY DICK

FOR PREPARED SEA FOOD—NAMELY, CANNED SHRIMP AND FROZEN FRESH SHRIMP.
Claims use since May 1, 1944.

Ser. No. 470,268. FREDRIC H. JOHNSON, doing business as Spice Islands Company, San Francisco, Calif. Filed May 15, 1944.

BEAU MONDE

FOR SEASONING SALT.
Claims use since January 1942.

CLASS 48

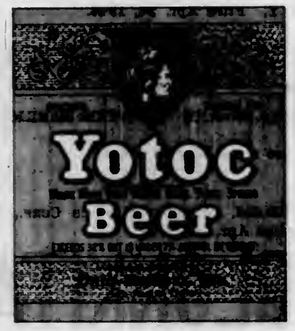
MALT BEVERAGES AND LIQUORS

Ser. No. 466,133. ZOLLER BREWING COMPANY, Davenport, Iowa, assignor to Blackhawk Brewing Co., Davenport, Iowa, a corporation of Iowa. Filed Dec. 28, 1943.

Old Blackhawk

The word "Old" is disclaimed apart from the mark.
FOR NON-ALCOHOLIC CEREAL MALT BEVERAGES AND BEER.
Claims use since 1918.

Ser. No. 467,698. OHIO BREWERY, INC., Columbus, Ohio. Filed Feb. 23, 1944.



The drawing is lined for red, yellow, brown, and black. The words "Contents 12 Fluid Ozs.", "Internal Rev. Tax Paid", "Made With Pure Water From", "Spring", "Beer", "Exceeds 32% But Is Under 7% Alcohol By Weight", "Brewed And Bottled By Ohio Brewery, Inc.", and "Columbus, Ohio", and the outline of the label, are disclaimed.
FOR BOTTLE BEER.
Claims use since Dec. 6, 1943.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 459,139. UNIVERSAL PAPER PRODUCTS, Chicago, Ill. Filed Mar. 15, 1943.

UNIVERSAL

FOR SODA STRAWS.
Claims use since Mar. 9, 1943.

Ser. No. 467,101. MARS STUDIOS, Omaha, Nebr. Filed Feb. 2, 1944.

PLA-ART

No claim is made to the word "Art" apart from the mark.
FOR RULED BLACKBOARDS USED FOR TEACHING DRAWING.
Claims use since Dec. 10, 1943.

Ser. No. 469,384. C. R. DANIELS, INC., New York, N. Y. Filed Apr. 17, 1944.



Applicant is the owner of registration No. 255,548 covering the word "Dandux" and a representation of a duck.
FOR CANVAS TARPAULINS FOR GENERAL USE AND AS SALVAGE COVERS.
Claims use since Dec. 24, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 11, 1944

407,946. PREPARATION FOR MAKING PUDDINGS AND DESSERTS. BERNICE G. GOLD, doing business as Delicious Chocolate Pudding Regd., Montreal, Quebec, Canada.
Filed November 6, 1939. Serial No. 425,215. PUBLISHED MAY 2, 1944. Class 46.

407,947. CANNED FISH. FRANCO-ITALIAN PACKING CORP., Terminal Island, Calif.
Filed September 20, 1940. Serial No. 436,171. PUBLISHED NOVEMBER 19, 1940. Class 46.

407,948. CANNED FISH—NAMELY, CANNED TUNA. M. J. & H. J. MEYER CO., INC., New York, N. Y.
Filed June 24, 1941. Serial No. 444,796. PUBLISHED MAY 2, 1944. Class 46.

407,949. CASE AND CONTAINER CONVEYORS, CAN WASHERS, STERILIZERS, DRIERS, AND FOR OTHER STATIONARY AND MECHANICAL DEVICES—HAVING A POWER-OPERATED CHAIN LINK BELT OR BELTS FOR MOVING CANS OR CASES. CHERRY-BURRELL CORPORATION, Chicago, Ill.
Filed August 17, 1942. Serial No. 454,935. PUBLISHED APRIL 11, 1944. Class 23.

407,950. TOILET PREPARATIONS—NAMELY, OILS AND BLENDS OF OILS FOR THE SKIN, CREAMS AND LOTIONS FOR THE SKIN, ETC. DERMETICS, INC., Seattle, Wash.
Filed September 21, 1942. Serial No. 455,648. PUBLISHED APRIL 25, 1944. Class 6.

407,951. HEAT-INSULATING AND ACOUSTICAL BUILDING SLABS AND BUILDING BLOCKS, MADE OF NON-ARGILLACEOUS MATERIALS AND MAINLY OF WOOD WOOL AND CALCAREOUS CEMENT. THE CEMENTATION COMPANY (SUBSIDIARIES) LIMITED, London, England.
Filed February 1, 1943. Serial No. 458,265. PUBLISHED MAY 2, 1944. Class 12.

407,952. CLEANING AND WASHING POWDER FOR USE IN CLEANING WOODWORK AND FLOORS AND FOR WASHING DISHES AND LAUNDRY. KELITE PRODUCTS, INC., Los Angeles, Calif.
Filed February 10, 1943. Serial No. 458,462. PUBLISHED MAY 2, 1944. Class 4.

407,953. RECEPTACLES—NAMELY, MOISTURE IMPERVIOUS OR RESISTANT CARTONS AND CONTAINERS MADE OF WATERPROOF PAPER, PASTEBOARD OR OTHER CELLULOSE MATERIAL, TO CONTAIN LIQUIDS OR THE COMBINATION OF SOLID MATTER AND LIQUIDS. WARREN F. WILHELM, doing business as New Products Laboratories, Chicago, Ill.
Filed March 13, 1943. Serial No. 459,098. PUBLISHED MAY 2, 1944. Class 2.

407,954. WHEAT FLOUR, BARLEY FLOUR, OAT FLOUR, CORN FLOUR, AND RICE FLOUR; AND BREAD BISCUITS, AND CAKES MADE OF SAID FLOUR. VEDA LIMITED, Edinburgh, Scotland.
Filed March 27, 1943. Serial No. 459,454. PUBLISHED MAY 2, 1944. Class 46.

407,955. UNFINISHED IRON AND STEEL CASTINGS. ARNESON FOUNDRY, INCORPORATED, Kenosha, Wis.
Filed June 23, 1943. Serial No. 461,599. PUBLISHED APRIL 25, 1944. Class 14.

407,956. MACHINISTS' CLAMPS, C CLAMPS, PARALLEL CLAMPS, VISES, AND LATHE DOGS. THE MAJESTIC COMPANY, Huntington, Ind.
Filed June 25, 1943. Serial No. 461,663. PUBLISHED APRIL 18, 1944. Class 23.

407,957. SHAVING CREAM. ROBERT H. CLARK, doing business as The Custom Company, Los Angeles, Calif.
Filed September 6, 1943. Serial No. 463,244. PUBLISHED APRIL 25, 1944. Class 4.

407,958. CUTICLE PREPARATIONS SUCH AS CUTICLE REMOVER. S. V. H. CORPORATION, Chicago, Ill.
Filed September 9, 1943. Serial No. 463,303. PUBLISHED APRIL 25, 1944. Class 6.

407,959. RESINOUS MATERIALS FOR USE IN FILLERS AND SIZES FOR PROCESSING TEXTILES. ANSBACHER-SIEGLE CORPORATION, Brooklyn, N. Y.
Filed October 21, 1943. Serial No. 464,298. PUBLISHED APRIL 18, 1944. Class 6.

407,960. ABRASIVE OR GRINDING MACHINERY. WESTERN ABRASIVE SUPPLY COMPANY, Reno, Nev.
Filed October 27, 1943. Serial No. 464,460. PUBLISHED MAY 2, 1944. Class 23.

407,961. TOOLS—NAMELY, CUTTING TOOLS USED ON POWER DRIVEN METAL CUTTING MACHINES INCLUDING FACE MILLS, HALF SIDE MILLS, END MILLS, SHELL END MILLS, SLITTING SAWS, COUNTER-BORE CUTTERS, AND INTERLOCKING MILL CUTTERS. MACHINERY MANUFACTURING CO., Los Angeles, Calif.
Filed November 1, 1943. Serial No. 464,580. PUBLISHED MAY 2, 1944. Class 23.

407,962. GAME BOARD. JAMES F. MACDONALD, Evanston, Ill.
Filed November 15, 1943. Serial No. 465,002. PUBLISHED MAY 2, 1944. Class 22.

407,963. GLOVES MADE FROM FABRIC, KNITTED GLOVES, AND GLOVES MADE FROM FABRIC AND COMBINATIONS OF FABRIC AND LEATHER. WALDORF KNITTING COMPANY, New York, N. Y.
Filed November 22, 1943. Serial No. 465,217. PUBLISHED APRIL 18, 1944. Class 39.

407,964. FLUID SPRAY PROJECTING FIRE FIGHTING APPARATUS. FOOD MACHINERY CORPORATION, San Jose, Calif.
Filed November 23, 1943. Serial No. 465,227. PUBLISHED APRIL 11, 1944. Class 23.

407,965. MEN'S, WOMEN'S, AND BOYS' WEARING APPAREL—NAMELY, RAIN COATS, GOLF JACKETS, SKI JACKETS, SPORTS JACKETS, LEATHER AND SHEEPSKIN COATS, OVERCOATS, SWEATERS, MACKINAWS, SKI PANTS, SPORTS PANTS, SWIMMING TRUNKS, HATS, AND OUTER SHIRTS. MARCUS BREIER'S SONS, New York, N. Y.
Filed December 8, 1943. Serial No. 465,611. PUBLISHED APRIL 18, 1944. Class 39.

407,966. PHOTOGRAPHIC CHEMICALS—NAMELY, PHOTOGRAPHIC FIXING POWDER. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed December 21, 1943. Serial No. 465,947. PUBLISHED APRIL 25, 1944. Class 6.

407,967. LOOM SHUTTLES. PILKINGTONS LIMITED, Heywood, Lancashire, England.
Filed December 21, 1943. Serial No. 465,955. PUBLISHED APRIL 18, 1944. Class 23.

407,968. TROUSER BELTS EQUIPPED WITH AN INSIDE POCKET FOR MONEY. MORRIS LUFTIG, doing business as Superior Belt Company, Chicago, Ill.
Filed December 22, 1943. Serial No. 465,987. PUBLISHED APRIL 18, 1944. Class 39.

407,969. NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. CORO, INC., New York, N. Y.
Filed December 23, 1943. Serial No. 466,004. PUBLISHED MAY 2, 1944. Class 28.

407,970. HERB COMPOUND TO BE USED AS A TONIC LAXATIVE, APPETIZER, STOMACHIC, AND COUGH SYRUP. JOHN E. RESPONDEK, doing business as Ginola Medicine Company, Linwood Station, Detroit, Mich.
Filed December 23, 1943. Serial No. 466,016. PUBLISHED APRIL 25, 1944. Class 6.

407,971. CLEANING, CLEANSING AND DETERGENT MATERIAL OF GENERAL UTILITY, BUT PARTICULARLY ADAPTED FOR LAUNDRY AND TEXTILE USE AND INDUSTRIAL METAL CLEANING. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed December 28, 1943. Serial No. 466,132. PUBLISHED APRIL 25, 1944. Class 4.

407,972. DIAMOND POINTED TOOLS FOR DRESSING AND TRUEING. WHEEL TRUEING TOOL COMPANY OF DELAWARE, Detroit, Mich.
Filed December 31, 1943. Serial No. 466,240. PUBLISHED MAY 2, 1944. Class 23.

407,973. PRESERVED FRUITS, MARSHMALLOW TOPPING, NUTS IN SIRUP, FUDGE SAUCE AND BUTTERSCOTCH SAUCE FOR SODA FOUNTAIN USE; MARMALADE; JELLIES; PIE FILLINGS (OTHER THAN MINCEMEAT); CORN STARCH; MILK POWDER; NUTS; COCOA; CLEANED CURRANTS; RELISH OR PICCALILLI; WATERMELON PICKLE; AND FOOD FLAVORING EXTRACTS. THE WHIPPLE COMPANY, Natick, Mass.
Filed December 31, 1943. Serial No. 466,243. PUBLISHED MARCH 28, 1944. Class 46.

407,974. MACHINES FOR EFFECTING THE SOFTENING OF WATER. THE REFINITE CORPORATION, Omaha, Nebr.
Filed January 5, 1944. Serial No. 466,333. PUBLISHED APRIL 11, 1944. Class 23.

407,975. PHONOGRAPH RECORDS. DECCA RECORDS, INC., New York, N. Y.
Filed January 5, 1944. Serial No. 466,325. PUBLISHED MAY 2, 1944. Class 36.

407,976. PHONOGRAPH RECORDS. DECCA RECORDS, INC., New York, N. Y.
Filed January 5, 1944. Serial No. 466,326. PUBLISHED MAY 2, 1944. Class 36.

407,977. SHOES MADE OF LEATHER, FABRIC OR RUBBER AND COMBINATIONS OF SAID MATERIALS. RALPH A. BURKE, Oakland, Calif.
Filed January 8, 1944. Serial No. 466,403. PUBLISHED APRIL 18, 1944. Class 39.

407,978. COTTON PIECE GOODS. CARNAC COTTONS, INC., New York, N. Y., now by change of name Carnac, Inc.
Filed January 12, 1944. Serial No. 466,503. PUBLISHED MARCH 28, 1944. Class 42.

407,979. PREPARATION FOR REMOVING DANDRUFF AND FOR STIMULATING THE GROWTH OF HAIR. ADDIE L. MCLEOD, Savannah, Ga.
Filed January 12, 1944. Serial No. 466,508. PUBLISHED APRIL 25, 1944. Class 6.

407,980. PETROLEUM WAX USED FOR CANDLES. INDUSTRIAL RAW MATERIALS CORPORATION, New York, N. Y.
Filed January 13, 1944. Serial No. 466,531. PUBLISHED MAY 2, 1944. Class 15.

407,981. MEN'S AND WOMEN'S COATS AND SUITS; MEN'S TROUSERS, DRESS AND WORK SHIRTS, AND NECKTIES. A. SAGNER'S SONS, Frederick, Md.
Filed January 13, 1944. Serial No. 466,552. PUBLISHED APRIL 18, 1944. Class 39.

407,982. FILES AND RASPS. EMPRÊSA DE LIMAS UNIÃO TOMÉ FÊTEIRA, LIMITADA, Vieira de Leiria, Marinha Grande, Portugal.
Filed January 15, 1944. Serial No. 466,609. PUBLISHED APRIL 18, 1944. Class 23.

407,983. SHOES MADE OF FABRIC AND LEATHER. JOSEPH P. FAMOLARE, INC., Boston, Mass.
Filed January 15, 1944. Serial No. 466,610. PUBLISHED APRIL 18, 1944. Class 39.

407,984. HOSE COUPLINGS AND HOSE NOZZLES. ANDERSON FIRE-FIGHTING EQUIPMENT COMPANY, INC., New York, N. Y.
Filed January 18, 1944. Serial No. 466,664. PUBLISHED MAY 2, 1944. Class 13.

407,985. SELF-PROPELLED HOIST TRUCKS. R. G. LE TOURNEAU, INC., Stockton, Calif., and Peoria, Ill.
Filed January 22, 1944. Serial No. 466,799. PUBLISHED MAY 2, 1944. Class 23.

407,986. POULTRY PICKING MACHINES AND PARTS THEREOF. PICKWICK CORPORATION, Cedar Rapids, Iowa.
Filed January 22, 1944. Serial No. 466,803. PUBLISHED APRIL 18, 1944. Class 23.

407,987. RESIN BONDED WOOD AIRCRAFT STRUCTURAL PARTS AND ASSEMBLIES. STEINWAY & SONS, New York, N. Y.
Filed January 25, 1944. Serial No. 466,868. PUBLISHED MAY 2, 1944. Class 19.

407,988. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. KAYS-NEWPORT, INC., Providence, R. I.
Filed January 26, 1944. Serial No. 466,895. PUBLISHED APRIL 18, 1944. Class 39.

407,989. PYROPHORIC LIGHTERS. W. A. KING, Brownsville, Tex.
Filed January 27, 1944. Serial No. 466,917. PUBLISHED MAY 2, 1944. Class 34.

407,990. WASHING POWDERS. MURPHY CHEMICAL CORPORATION, New York, N. Y.
Filed January 28, 1944. Serial No. 466,947. PUBLISHED APRIL 25, 1944. Class 4.

407,991. PLATING AND POLISHING MACHINES AND PARTS THEREOF. DAVID LEVINE, doing business as Plating Equipment & Supply Company, New York, N. Y.
Filed January 29, 1944. Serial No. 466,996. PUBLISHED APRIL 11, 1944. Class 23.

407,992. LAWN MOWER BLADES. FLEX BLADE WORKS, New York, N. Y.
Filed February 5, 1944. Serial No. 467,187. PUBLISHED APRIL 18, 1944. Class 23.

407,993. PEANUT BUTTER. CINDERELLA FOODS, Dawson, Ga.
Filed February 7, 1944. Serial No. 467,232. PUBLISHED MAY 2, 1944. Class 46.

407,994. HINDERED SETTLING HYDRAULIC CLASSIFIERS. THE DORR COMPANY, New York, N. Y.
Filed February 8, 1944. Serial No. 467,270. PUBLISHED APRIL 25, 1944. Class 23.

407,995. LAPEL, AND DRESS AND COAT ORNAMENTS. TILLIE HOUTS, doing business as Tillie's Bouquet, Wheaton, Ill.
Filed February 8, 1944. Serial No. 467,279. PUBLISHED MAY 2, 1944. Class 40.

407,996. PLAYING CARDS. EDMUND J. GEARY COMPANY, Detroit, Mich.
Filed February 10, 1944. Serial No. 467,316. PUBLISHED MAY 2, 1944. Class 22.

407,997. VITAMIN TABLETS. MAX R. HUTTNER, doing business as Tiricin Co., New York, N. Y.
Filed February 10, 1944. Serial No. 467,317. PUBLISHED APRIL 25, 1944. Class 6.

407,998. CHOCOLATE SYRUP FOR USE IN MAKING MILK DRINKS. BLU MOON FOOD PRODUCTS, INC., Brooklyn, N. Y.
Filed February 11, 1944. Serial No. 467,332. PUBLISHED MAY 2, 1944. Class 46.

407,999. BOOK ENDS. BRET CIPES, doing business as Process Company of America, New York, N. Y.
Filed February 11, 1944. Serial No. 467,333. PUBLISHED MAY 2, 1944. Class 32.

408,000. STENCIL CUTTING MACHINES—I. E., MACHINES FOR PERFORATING OR CUTTING THE OPENINGS IN STENCILS, AND LABEL PASTERS—I. E., MACHINES FOR APPLYING ADHESIVE TO THE BACKS OF LABELS. DIAGRAPH-BRADLEY STENCIL MACHINE CORPORATION, St. Louis, Mo.
Filed December 1, 1943. Serial No. 465,416. PUBLISHED APRIL 11, 1944. Class 23.

408,001. MILKER OUTFITS CONSISTING OF MILKING UNITS, VACUUM PUMP WITH TANK AND STERILIZING RACK. RITE-WAY PRODUCTS CO., Chicago, Ill.
Filed January 29, 1944. Serial No. 467,006. PUBLISHED APRIL 18, 1944. Class 23.

408,002. AIRPLANES AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Buffalo, N. Y.
Filed January 31, 1944. Serial No. 467,011. PUBLISHED MAY 2, 1944. Class 19.

408,003. ELECTRIC CONTACTING ELEMENTS—NAMELY, ELECTRIC MAKE-AND-BREAK CONTACTS, SLIDING ELECTRIC CONTACTS AND PRESSURE EXERTING WELDING ELECTRODES. P. R. MALLORY & CO., INC., Indianapolis, Ind.
Filed February 1, 1944. Serial No. 467,071. PUBLISHED MAY 2, 1944. Class 21.

408,004. BEADED BAGS (OPEN RECEPTACLES, OR WITH DRAWSTRING CLOSURE); MEDALLIONS IN THE NATURE OF FANCY WORK FOR USE IN MAKING DOILIES, BED SPREADS, AND DRAPERIES, ETC. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C.
Filed February 1, 1944. Serial No. 467,085. PUBLISHED MAY 2, 1944. Class 40.

408,005. RUST REMOVING PREPARATIONS NOT CONTAINING OIL. ERIC GEORGE HERBERT MAUTHNER, London, England.
Filed February 4, 1944. Serial No. 467,163. PUBLISHED APRIL 25, 1944. Class 6.

408,006. SPOTFACERS, COUNTERBORES, COUNTERSINKS, HOLDERS, MILLING CUTTERS, PILOTS, BORING BARS, CENTERS, CORE DRILLS, GRINDING MACHINES, END MILLS, REAMERS, TURNING AND BORING TOOLS, AND VISES. WESSON COMPANY, Ferndale, Mich.
Filed February 14, 1944. Serial No. 467,419. PUBLISHED APRIL 25, 1944. Class 23.

408,007. HYDROPHILIC COLLOID IN THE FORM OF A LAXATIVE MEDICINAL WAFER COMPRISING AS INGREDIENTS METHYL CELLULOSE, SUCROSE, DEXTROSE, CITRIC ACID, AND SODIUM BICARBONATE. NUTRITION RESEARCH LABORATORIES, Chicago, Ill.
Filed February 17, 1944. Serial No. 467,497. PUBLISHED APRIL 25, 1944. Class 6.

408,008. PAPER DRESS PATTERNS. GEORGE M. LAUB, New York, N. Y.
Filed February 18, 1944. Serial No. 467,526. PUBLISHED MAY 2, 1944. Class 26.

408,009. PAPER DRESS PATTERNS. GEORGE M. LAUB, New York, N. Y.
Filed February 18, 1944. Serial No. 467,528. PUBLISHED MAY 2, 1944. Class 26.

408,010. LUBRICATING GREASES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed February 18, 1944. Serial No. 467,542. PUBLISHED MAY 2, 1944. Class 15.

408,011. CANNED GREEN SEA TURTLE MEAT AND SOUP. NORDBERG THOMPSON, doing business as A. Granday Canning Company, Key West, Fla.
Filed February 19, 1944. Serial No. 467,577. PUBLISHED MAY 2, 1944. Class 46.

408,012. SOAP AND CLEANSING COMPOUND. ERIC F. WIENEKE, doing business as The Safety Cleansers Company, Saginaw, Mich.
Filed February 19, 1944. Serial No. 467,583. PUBLISHED APRIL 25, 1944. Class 4.

408,013. FLOOR CLEANING COMPOUND. C. A. NASH & SON, INC., Norfolk, Va.
Filed February 21, 1944. Serial No. 467,615. PUBLISHED MAY 2, 1944. Class 4.

408,014. INDICATOR FOR INDICATING THE FLOW OF A LIQUID. DAVIS ENGINEERING CORPORATION, Elizabeth, N. J.
Filed February 24, 1944. Serial No. 467,716. PUBLISHED MAY 2, 1944. Class 26.

408,015. BRACKETS FOR ELECTRIC BUS BAR, CLIPS FOR ELECTRIC BUS BAR. YOUNGSTOWN ALLOY CASTING CORPORATION, Youngstown, Ohio.
Filed February 24, 1944. Serial No. 467,739. PUBLISHED MAY 2, 1944. Class 21.

408,016. PEANUT BUTTER. CINDERELLA FOODS, Dawson, Ga.
Filed February 25, 1944. Serial No. 467,752. PUBLISHED MAY 2, 1944. Class 46.

408,017. ARTIFICIAL LEATHER. RICHARDS, BOGGS & KING, INC., Chicago, Ill.
Filed February 25, 1944. Serial No. 467,770. PUBLISHED MAY 2, 1944. Class 50.

408,018. LUBRICATING OILS—VIZ., MARINE ENGINE OILS. THE TEXAS COMPANY, New York, N. Y.
Filed February 25, 1944. Serial No. 467,773. PUBLISHED MAY 2, 1944. Class 15.

408,019. DENTURE LINERS. RELIANCE DENTAL MFG. CO., Chicago, Ill.
Filed February 28, 1944. Serial No. 467,817. PUBLISHED MAY 2, 1944. Class 44.

408,020. DRIED MIXTURE OF SOY FLOUR, BUTTERMILK, AND WHEY FOR USE IN BREAD, ROLLS, CAKE AND OTHER BAKED GOODS. THE BORDEN COMPANY, New York, N. Y.
Filed March 1, 1944. Serial No. 467,871. PUBLISHED MAY 2, 1944. Class 46.

408,021. LEATHER WALLETS, LEATHER BAGS, AND POCKETBOOKS. GLASDON LEATHER NOVELTIES COMPANY, New York, N. Y.
Filed March 1, 1944. Serial No. 467,884. PUBLISHED MAY 2, 1944. Class 3.

408,022. SOAP. LUCIEN LELONG, INC., Chicago, Ill.
Filed March 2, 1944. Serial No. 467,928. PUBLISHED MAY 2, 1944. Class 4.

408,023. WOVEN COTTON FABRIC BAGS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed March 4, 1944. Serial No. 467,955. PUBLISHED MAY 2, 1944. Class 2.

408,024. DOLLS. IDEAL NOVELTY & TOY CO., Long Island City, N. Y.
Filed March 7, 1944. Serial No. 468,033. PUBLISHED MAY 2, 1944. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

408,025. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) MAXON PREMIX BURNER COMPANY, Muncie, Ind. Filed Feb. 1, 1943. Serial No. 458,275.

MICRO-RATIO

FOR COMBINATION VALVES FOR PROPORTIONING THE FLOW OF AIR AND FUEL TO INDUSTRIAL BURNER SYSTEMS.
Claims use since Jan. 7, 1943.

408,026. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. L. SHAW & SONS INC., Boston, Mass. Filed Apr. 6, 1943. Serial No. 459,678.

SHAW'S *Ayd*

FOR CLEANSING AGENT FOR GENERAL HOUSEHOLD AND COMMERCIAL USES.
Claims use since Jan. 4, 1943.

408,027. (CLASS 39. CLOTHING.) LEBANON SHIRT COMPANY, New York, N. Y. Filed Apr. 23, 1943 Serial No. 460,115.

Mac Master

The drawing is lined for green.
FOR SHIRTS, MEN'S SPORT SHIRTS, DRESS SHIRTS, WOMEN'S NEGLIGEES, MEN'S AND WOMEN'S PAJAMAS AND SLACKS AND WOMEN'S SKIRTS.
Claims use since Jan. 28, 1938.

408,028. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. D. GARDNER, Phoenix, Ariz. Filed May 8, 1943. Serial No. 460,502.

ARIZONA RANCH

FOR FRESH CITRUS FRUITS, AND DATES.
Claims use since Apr. 26, 1943.

408,029. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. OBERTI & SONS, Madera, Calif. Filed May 10, 1943. Serial No. 460,531.

PICCOLINO

The mark is an Italian word meaning small.
FOR OLIVES IN CANS.
Claims use since Apr. 14, 1943.

408,030. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) FISHER, BRUCE & COMPANY, Philadelphia, Pa. Filed May 21, 1943. Serial No. 460,796.

Della-Ware

Applicant disclaims the word "Ware" apart from the mark.
FOR CERAMIC DISHES, FLOWER POTS AND FLOWER BOWLS.
Claims use since September 1940.

408,031. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERWIN HASSELL SHERWOOD, Holland, Mo. Filed June 18, 1943. Serial No. 461,497.



FOR SHAMPOOING PREPARATION.
Claims use since Mar. 1, 1943.

408,032. (CLASS 39. CLOTHING.) I. SCHNEIERSON & SONS INC., New York, N. Y. Filed July 20, 1943. Serial No. 462,189.

Slipova

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS AND LADIES' UNIFORMS FOR WORK PURPOSES, LADIES' BLOUSES AND SHIRTS, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS AND NIGHTGOWNS AND BLOUSES AND SHIRTS OF A TEXTILE FABRIC.
Claims use since May 1, 1943.

408,033. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR PITTMAN, Calipatria, Calif. Filed Aug. 16, 1943. Serial No. 462,779.

Valley GEMS

FOR FRESH MELONS.
Claims use since Dec. 1, 1942.

108,034. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANDERSON & BROWN COMPANY, Cleveland, Ohio, now by change of name, Magnetic Holding Devices, Inc., a corporation of Ohio. Filed Sept. 2, 1943. Serial No. 463,161.

Anderson & Brown

FOR MAGNETIC CHUCKS, DEMAGNETIZING UNITS FOR WORK PIECES, AND ELECTRICAL CONTROLS THEREFOR—NAMELY, CONTROL SWITCHES, TRANSFORMERS, AND RECTIFIERS.
Claims use since Mar. 24, 1942.

408,035. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAMBERLAIN MEDICINE COMPANY, INC., New York, N. Y. Filed Sept. 4, 1943. Serial No. 463,225.

M.A. SIMMONS

FOR LAXATIVE MEDICINE.
Claims use since November 1909.

408,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAMBERLAIN MEDICINE COMPANY, INC., New York, N. Y. Filed Sept. 4, 1943. Serial No. 463,226.

SIMMONS

FOR LAXATIVE MEDICINE.
Claims use since November 1909.

408,037. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE SIGNATURE RECORDS COMPANY, New York, N. Y. Filed Jan. 14, 1944. Serial No. 466,594.

SIGNATURE

FOR PHONOGRAPH RECORDS.
Claims use since May 15, 1940.

408,038. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AQUA-NIX CHEMICAL CO., Bay City, Mich. Filed Jan. 31, 1944. Serial No. 467,010.

Aqua-Nix

FOR LEATHER DRESSING, CLEANSER AND PRESERVER AND SHOE POLISH.
Claims use since Mar. 25, 1938.

408,039. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) NORRIS D. POWELL, New York, N. Y. Filed Mar. 16, 1944. Serial No. 468,349.

POWELL

FOR STOCKLESS ANCHORS.
Claims use since 1938.

408,040. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALLIED TOILETRIES DISTRIBUTORS, INC., New York, N. Y. Filed Mar. 18, 1944. Serial No. 468,405.

CAUCASIAN LILAC

FOR PERFUMES, PERFUME EXTRACTS, TOILET WATER, FACE POWDER, TALCUM POWDER, EAU DE COLOGNE, SACHET POWDER, CLEANSING CREAM, FACE LOTION, HAND LOTION, ROUGE, LIP STICKS, BATH SALTS.
Claims use since January 1943.

408,041. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALLIED TOILETRIES DISTRIBUTORS, INC., New York, N. Y. Filed Mar. 18, 1944. Serial No. 468,407.

RUSSIAN LILAC

FOR PERFUMES, PERFUME EXTRACTS, TOILET WATER, FACE POWDER, TALCUM POWDER, EAU DE COLOGNE, SACHET POWDER, CLEANSING CREAM, FACE LOTION, HAND LOTION, ROUGE, LIP STICKS, BATH SALTS.
Claims use since January 1943.

408,042. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GRANT PHOTO PRODUCTS, INC., New York, N. Y. Filed Mar. 30, 1944. Serial No. 468,838.

AIR MAP SPECIAL

FOR SENSITIZED PHOTOGRAPHIC PAPER AND SENSITIZED PHOTOGRAPHIC FILM.
Claims use since 1935.

408,043. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) EBERLE TANNING COMPANY, Westfield, Pa. Filed Apr. 25, 1944. Serial No. 469,626.

NELSON OAK

FOR SOLE LEATHER.
Claims use since Nov. 9, 1942.

408,044. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ERNEST H. GARRIQUES, New York, N. Y. Filed Apr. 25, 1944. Serial No. 469,629.

Garriques

FOR WATCHES AND PARTS THEREOF.
Claims use since January 1941.

TRADE-MARK REGISTRATIONS RENEWED

25,436. **"R B W" AND DESIGN.** CERTAIN NAMED IRON, STEEL, AND LEAD MANUFACTURES. Registered October 30, 1894. RYLANDS BROTHERS, LIMITED, Warrington, England, a United Kingdom corporation. Re-renewed October 30, 1944.

25,513. **ATHLETE.** CEREAL FOOD PRODUCTS. Registered November 13, 1894. MINKOTA MILLING CO., Duluth, Minn. Re-renewed November 13, 1944, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

172,064. **"SCHOONER" AND DRAWING.** OLIVE OIL AND CANNED ANCHOVIES. Registered August 21, 1923. ANDREA RUSSO. Renewed August 21, 1943, to A. Russo & Company, Chicago, Ill., a corporation of Illinois, successor.

173,878. **"GOOD NIGHT" AND DRAWING.** BOX SPRINGS, MATTRESSES, AND PILLOWS. Registered October 2, 1923. SCHULTZ & HIRSCH CO. Renewed October 2, 1943, to Schultz & Hirsch Co., Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

178,589. **WINSOME.** CANNED SALMON. Registered January 15, 1924. HODGSON AND COMPANY LIMITED, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, and Seattle, Wash. Renewed January 15, 1944, to Hodgson & Company Pty. Limited, Sydney, New South Wales, Australia, an incorporated company of New South Wales, by change of name.

178,796. **LADDIE.** CANNED SALMON. Registered January 29, 1924. HODGSON AND COMPANY LIMITED, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, and Seattle, Wash. Renewed January 29, 1944, to Hodgson & Company Pty. Limited, Sydney, New South Wales, Australia, an incorporated company of New South Wales, by change of name.

180,037. **"LITTLE PAL" AND DRAWING.** BOYS' SHIRTS AND BLOUSES. Registered February 19, 1924. CYRUS P. GORDON. Renewed February 19, 1944, to S. Blechman & Sons, Inc., New York, N. Y., a corporation of New York, successor.

183,944. **CARDINAL.** WHEAT FLOUR. Registered May 13, 1924. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Renewed May 13, 1944, to Nappanee Milling Co., Inc., Nappanee, Ind., a corporation of Indiana, assignee by mesne assignments.

184,025. **SI-CO.** WALL SIZES IN THE NATURE OF AN UNDERCOAT FOR WALL COVERINGS AND PAINTS. Registered May 13, 1924. GEORGE WHIGELT, New York, N. Y., assignor to John Lucas & Co., Inc. Renewed May 13, 1944, to John Lucas & Company, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee by mesne assignments.

184,075. **"GARDEN" AND DRAWING.** CERTAIN NAMED BOTTLED CONDIMENTS, PICKLES, RELISHES, ETC.; CERTAIN NAMED CANNED VEGETABLES AND FISH; OLIVE OIL IN BOTTLES AND CANS; CANNED EVAPORATED MILK, BOTTLED OLIVES, ONIONS, AND PEANUT BUTTER; BOTTLED AND CANNED HONEY; BOXED ROLLED OATS; NOODLES, SPAGHETTI, AND MACARONI IN BOXES; MINCEMEAT IN CANS; AND RICE IN BOXES AND CANS. Registered May 20, 1924. MAX PINKUS, doing business as John Price and Company, Philadelphia, Pa. Renewed May 20, 1944.

184,109. **REPRESENTATION OF A CIRCULAR DESIGN.** MILK AND DAIRY PAILS, TIN PAILS, COVERED BUCKETS, MILK CANS, OILERS, ASH BARRELS, COAL HODS, GARBAGE CANS, SINK PAILS, WATER SPRINKLERS, WASTE CANS, OIL CANS, WATER AND FIRE PAILS, CHAMBER PAILS, CAKE AND BREAD BOXES, SUGAR BOXES, AND OTHER CERTAIN NAMED RECEPTACLES. Registered May 20, 1924. DOVER STAMPING & MANUFACTURING COMPANY, Cambridge, Mass., a corporation of Massachusetts. Renewed May 20, 1944.

184,233. **FINE-ELLO.** CARBON PAPER. Registered May 20, 1924. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y., a corporation of New York. Renewed May 20, 1944.

184,254. **SUPEROXOL.** PEROXIDE PREPARATIONS IN THE FORM OF POWDER, TABLETS, AND SOLUTIONS. Registered May 20, 1924. MERCK & CO., New York, N. Y. Renewed May 20, 1944, to Merck & Co., INC., Rahway, N. J., a corporation of New Jersey, assignee.

184,361. **NONAL.** OLEAGINOUS PREPARATION FOR USE AS A WOOL AND WORSTED LUBRICANT OR GREASE. Registered May 20, 1924. QUAKER OIL PRODUCTS CORPORATION. Renewed May 20, 1944, to Quaker Chemical Products Corporation, Conshohocken, Pa., a corporation of Pennsylvania, assignee.

184,552. **"BLACKER'S" AND DRAWING.** CANNED BEANS, CANNED CHILE CON CARNE STRAIGHT, CANNED CHILE CON CARNE WITH SPAGHETTI, CANNED CHILE CON CARNE WITH BEANS AND SPAGHETTI, AND CANNED CHILE CON CARNE WITH SPAGHETTI AND CHEESE. Registered May 27, 1924. D. C. BLACKER, Indianapolis, Ind. Renewed May 27, 1944.

184,650. **"O K" AND DRAWING.** ANIMAL FEED COMPOSED ESSENTIALLY OF GRAIN AND GRAIN PRODUCTS. Registered May 27, 1924. R. O. KLEPINGER, doing business as The Mineralized Yeast Mills, Ingomar, Ohio. Renewed May 27, 1944.

184,652. **SUCO.** PREPARATIONS OF COCOA, CHOCOLATE, SUGAR, AND MILK, IN POWDERED FORM. Registered May 27, 1924. THE MURRAY COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 27, 1944.

184,692. **THEY SHALL NOT PASS.** WINDOW AND DOOR SCREENS. Registered May 27, 1924. ACME SCREEN COMPANY, INC., Dallas, Texas, a corporation of Texas. Renewed May 27, 1944.

184,859. **"STANDARD" AND DRAWING.** PLUMBING FIXTURES—NAMELY, BATHTUBS, SINKS, LAVATORIES, WATER-CLOSETS, TANKS, AND PIPES AND FITTINGS BELONGING THERETO. Registered June 3, 1924. STANDARD SANITARY MANUFACTURING COMPANY. Renewed June 3, 1944, to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa., a corporation of Delaware, assignee.

185,089. **FLORENCE.** HAND MIRRORS MADE OF WOOD, CELLULOID, AND COMPOSITION. Registered June 10, 1924. FLORENCE MANUFACTURING COMPANY. Renewed June 10, 1944, to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass., a corporation of Delaware, assignee by mesne assignments.

185,094. **"BIBBY" AND DRAWING.** COMMON SOAPS AND TOILET SOAP. Registered June 10, 1924. J. BIBBY & SONS LIMITED, Liverpool, England, an organized company of England. Renewed June 10, 1944.

185,178. **MOONKIST.** CANNED FRUITS AND CANNED VEGETABLES. Registered June 10, 1924. SUNNY SOUTH PACKING COMPANY, Arcadia, Fla., a corporation of Florida. Renewed June 10, 1944.

185,600. **PAR-KOOL.** MEN'S COATS, VESTS, AND PANTS. Registered June 24, 1924. ROSENBERG BROS. & CO. Renewed June 24, 1944, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York, assignee by mesne assignments.

185,804. **DESCO.** LACES, NETTED AND LACE FABRICS IN THE PIECE, MADE OF COTTON, SILK, ARTIFICIAL SILK, WOOL, OR MIXTURES OF THE SAME. Registered June 24, 1924. DAVID E. SCHWAB & COMPANY, INC., New York, N. Y., a corporation of New York. Renewed June 24, 1944.

185,955. **"FOX" AND DRAWING.** SHOVELS AND SPADES. Registered July 1, 1924. SKELTON SHOVEL COMPANY, INC., Dunkirk, N. Y. Renewed July 1, 1944, to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio, assignee.

185,969. **"BULL DOG" AND DRAWING.** SHOVELS AND SPADES. Registered July 1, 1924. SKELTON SHOVEL COMPANY, INC., Dunkirk, N. Y. Renewed July 1, 1944, to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio, assignee.

186,080. **NUJOL.** MINERAL OIL FOR CHEMICAL, MEDICINAL, AND PHARMACEUTICAL USES OTHER THAN THE TREATMENT OF CONSTIPATION. Registered July 1, 1924. STANDARD OIL COMPANY, (NEW JERSEY), Bayonne, N. J. Renewed July 1, 1944, to Stanco Incorporated, New York, N. Y, a corporation of Delaware, assignee.

186,110. **GOOD YEAR.** BOOKLETS AND FOLDERS ISSUED FROM TIME TO TIME. Registered July 1, 1924. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed July 1, 1944.

186,308. **ROYAL PARK.** MEN'S OVERCOATS, COATS, VESTS, AND PANTS. Registered July 8, 1924. ROSENBERG BROS. & CO. INC. Renewed July 8, 1944, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York, assignee by mesne assignments.

186,528. **CHEVILAND.** MEN'S SUITS. Registered July 22, 1924. WEBER & HEILBRONER. Renewed July 22, 1944, to Weber and Heilbroner, Inc., New York, N. Y., a corporation of New York, by change of name.

186,532. **BAKO-VAN.** EXTRACTS FOR FOOD-FLAVORING PURPOSES. Registered July 22, 1924. JOANNES BROTHERS COMPANY. Renewed July 22, 1944, to Ben-Hur Products, Inc., Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments.

186,748. **"HIGHLAND BEAUTY" AND DRAWING.** FRESH CITROUS FRUITS. Registered July 22, 1924. LAKELAND HIGHLANDS CITRUS GROWERS ASS'N., Haskell, Fla. Renewed July 22, 1944, to Lakeland-Highlands Co-Operative Association, Highland City, Fla., a corporation of Florida, assignee.

186,754. **EVER-GLOW.** WINDOW-CLEANING COMPOUND. Registered July 22, 1924. EDWIN B. SMITH, JR., doing business as Ever-Glow Company, Cleveland, Ohio. Renewed July 22, 1944, to Edwin B. Smith, doing business as Ever-Glow Company, East Cleveland, Ohio.

186,850. **"S GOLD MEDAL" AND DRAWING.** CERTIFIED CREAM, BUTTER, ICE CREAM AND ICES, AND COTTAGE CHEESE. Registered July 22, 1924. SUPPLEE-WILLS-JONES MILK COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 22, 1944.

186,862. **"GIARDINIERA" AND DRAWING.** TOMATO PASTE. Registered July 22, 1924. V. TAORMINA & CO., New Orleans, La. Renewed July 22, 1944, to Uddo & Taormina Company, Brooklyn, N. Y., a firm, assignee by mesne assignments.

186,977. **"INVENCIBLE" AND DRAWING.** ADZES, AXES, BUSH HOOKS, GRASS HOOKS, GRUB HOES, HAMMERS, HATCHETS, MACHETES, MATTOCKS, PICKS, AND SCYTHES. Registered July 22, 1924. KELLY AXE MFG. CO., Charleston, W. Va., and New York, N. Y. Renewed July 22, 1944, to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio, assignee by mesne assignments.

187,284. **DRAW-EX.** LUBRICANT. Registered July 29, 1924. STANDARD OIL COMPANY, (NEW JERSEY), Bayonne, N. J. Renewed July 29, 1944, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee.

187,525. **DIP-EX.** SOLVENT. Registered August 5, 1924. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed August 5, 1944, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee.

187,777. **NUSO.** INK REDUCER. Registered August 12, 1924. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed August 12, 1944, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

187,901. **"CHRYSLER" AND DRAWING.** AUTOMOBILES AND THEIR STRUCTURAL PARTS. Registered August 12, 1924. CHRYSLER MOTOR CORPORATION. Renewed August 12, 1944, to Chrysler Corporation, Detroit, Mich., a corporation of Delaware, assignee.

188,154. **LESTON'S.** MAYONNAISE AND THOUSAND ISLAND SALAD DRESSING. Registered August 19, 1924. LESTON COMPANY. Renewed August 19, 1944, to Leston Company, St. Louis, Mo., a corporation of Missouri, successor.

188,207. **"O & B PURITY LINE" AND DRAWING.** CHEESE PRESSES, CURD MILLS, CHEESE PARAFFINERS, CHEESE-BOX-NAILING MACHINES, CURD KNIVES, SIPHONS WITH STRAINERS, CURD AGITATORS, MILK COOLERS, CREAM SAVERS, MILK AERATORS, BUTTER WORKERS, BOTTLE WASHERS, BOTTLE RINSERS, CAN RINSERS AND STERILIZERS, PASTEURIZERS, AND CAN STIRRERS. Registered August 19, 1924. OAKES & BURGER CO., Cattaraugus, N. Y., a corporation of New York. Renewed August 19, 1944.

188,223. **MALTMOLAK.** A FOOD PRODUCT CONSISTING OF SUGAR COMBINED WITH DRY SKIM MILK, DRY WHOLE MILK, COCOA AND MALT. Registered August 19, 1924. SAMUEL A. MARSHAK, Brooklyn, N. Y. Renewed August 19, 1944.

188,277. **REPRESENTATION OF A CIRCULAR DESIGN.** MEASURING CONTAINERS AND MEASURES FOR LIQUIDS. Registered August 19, 1924. DOVER STAMPING & MANUFACTURING COMPANY, Cambridge Mass., a corporation of Massachusetts. Renewed August 19, 1944.

188,278. **REPRESENTATION OF A CIRCULAR DESIGN.** EGG BEATERS, SCOOPS; CAKE, BISCUIT, AND DOUGHNUT CUTTERS; COAL SIEVES, SHOVELS, AND SPOONS. Registered August 19, 1924. DOVER STAMPING & MANUFACTURING COMPANY, Cambridge, Mass., a corporation of Massachusetts. Renewed August 19, 1944.

188,594. **SOSAC.** TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. Registered September 2, 1924. SCHERMERHORN BROS. CO., Chicago, Ill., a corporation of Illinois. Renewed September 2, 1944.

188,599. **ZENITH.** TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. Registered September 2, 1924. SCHERMERHORN BROS. CO., Chicago, Ill., a corporation of Illinois. Renewed September 2, 1944.

188,600. **WINNER.** TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. Registered September 2, 1924. SCHERMERHORN BROS. CO., Chicago, Ill., a corporation of Illinois. Renewed September 2, 1944.

188,727. **LITEHAIR.** SHAMPOO. Registered September 2, 1924. GUARANTEED PRODUCTS, INC., doing business as The Swedish Shampoo Laboratories, New York, N. Y. Renewed September 2, 1944, to Guaranteed Products, Inc., doing business as The Swedish Shampoo Laboratories, Long Island City, N. Y., a corporation of New York.

188,959. **REPRESENTATION OF A BLUE BAND BETWEEN TWO BLACK BANDS ON THE WALL OF A RUBBER TIRE.** ELASTIC VEHICLE TIRES. Registered September 9, 1924. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed September 9, 1944.

188,986. **REPRESENTATION OF A RAISED TRANSVERSE RIB ON A FLATTENED NEEDLE STEM.** KNITTING MACHINE NEEDLES AND POINTS. Registered September 9, 1924. TEXTILE MACHINE WORKS, Wyomissing, Pa. Renewed September 9, 1944, to Textile Machine Works, Wyomissing and Reading, Pa., a corporation of Pennsylvania.

189,011. **NESTOR JOHNSON FLYERS.** ICE SKATES. Registered September 9, 1924. NESTOR JOHNSON MFG. CO., Chicago, Ill., a corporation of Illinois. Renewed September 9, 1944.

189,351. **ST. JOSEPH'S.** MEDICINAL PREPARATIONS—VIZ, A VEGETABLE COMPOUND TONIC, ANTISEPTIC POWDER, KIDNEY PILLS, SARSAPARILLA COMPOUND, BLOOD REMEDY, CHILL TONIC, COUGH SIRUP, PINE-TAR HONEY, WORM SIRUP, EYE WATER, LIVER SIRUP; LINIMENT, A VEGETABLE COMPOUND FOR THE TREATMENT OF COLIC, CRAMPS, CHOLERA, AND KINDRED COMPLAINTS; AND OTHER CERTAIN NAMED MEDICINAL PREPARATIONS. Registered September 16, 1924. PLOUGH CHEMICAL COMPANY, doing business as Gerstle Medicine Co. Renewed September 16, 1944, to Plough, Inc., Memphis, Tenn., a corporation of Delaware, by change of name.

189,547. **SWIFT AS WINGS.** ICE SKATES. Registered September 23, 1924. NESTOR JOHNSON MFG. CO., Chicago, Ill., a corporation of Illinois. Renewed September 23, 1944.

189,617. **MIMEO-BOND.** PAPER—VIZ, MIMEOGRAPH AND WRITING. Registered September 23, 1924. A. R. MEEKER & COMPANY, Newark, N. J. Renewed September 23, 1944, to A. B. Dick Company, Chicago, Ill., a corporation of Illinois, assignee.

189,644. **"O & B PURITY LINE" AND DRAWING.** CANS AND TANKS OF VARIOUS KINDS; PAILS OF VARIOUS KINDS, INCLUDING MILKING PAILS, CURD PAILS, DAIRY PAILS; HOOPS FOR HOLDING CHEESE CURD FOR PRESSING, MILK TROUGHS OR CONDUCTORS, CHEESE VATS, RECEIVING AND STORAGE VATS FOR MILK, ICE-CREAM-BRICK BOXES, WATERING TROUGHS, AND HOG TROUGHS. Registered September 23, 1924. OAKES & BURGER CO., Cattaraugus, N. Y., a corporation of New York. Renewed September 23, 1944.

189,905. **ORIENTAL PALM.** SOAP. Registered September 30, 1924. THE REMMERS SOAP COMPANY, Cincinnati, Ohio. Renewed September 30, 1944, to S. H. Kress & Co., New York, N. Y., a corporation of New York, assignee by mesne assignments.

190,020. **DIP-EX.** HYDROCARBON DETERGENT. Registered September 30, 1924. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed September 30, 1944, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee.

190,098. **CHIC CHEKS.** MEN'S AND BOYS' COLLARS, PYJAMAS, NIGHT ROBES, UNDERWEAR, AND SHIRTS, INCLUDING DRESS, NEGLIGEE, AND WORK SHIRTS. Registered October 7, 1924. HARRY BERGER, doing business as Harry Berger Shirt Company. Renewed October 7, 1944, to Kaylon Incorporated, New York, N. Y., a corporation of New York, successor.

190,142. **PASTELETTES.** MEN'S AND BOYS' COLLARS, PYJAMAS, NIGHTROBES, UNDERWEAR, AND SHIRTS, INCLUDING DRESS, NEGLIGEE, AND WORK SHIRTS. Registered October 7, 1924. HARRY BERGER, doing business as Harry Berger Shirt Company. Renewed October 7, 1944, to Kaylon Incorporated, New York, N. Y., a corporation of New York, successor.

190,402. **"EAGLE-THISTLE" AND DRAWING.** AMMONIA. Registered October 14, 1924. THE MATHIESON ALKALI WORKS, New York, N. Y., a corporation of Virginia. Renewed October 14, 1944.

190,491. **REPRESENTATION OF A RECTANGULAR DESIGN.** MINERAL OIL FOR CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PURPOSES. Registered October 14, 1924. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed October 14, 1944, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee.

190,559. **TIMPIE.** BURNED LIME, HYDRATED LIME, KEENE'S GAUGED FINISH, CEMENT; BASE COAT, A KIND OF PLASTER USED AS A PLASTER FOR COVERING LATH AS A FIRST COAT OF PLASTER. Registered October 14, 1924. THE UTAH LIME & STONE COMPANY, Salt Lake City, Utah, a corporation of Utah. Renewed October 14, 1944.

190,672. **MAZZINI.** TOMATO PASTE. Registered October 21, 1924. JOSEPH DI SANTO, doing business as Di Santo & Company, Duluth, Minn. Renewed October 21, 1944.

190,698. **LUCKY STRIKE.** TALKING-MACHINE RECORDS. Registered October 21, 1924. COMPO COMPANY, LIMITED, Lachine, Quebec, Canada, a corporation of Canada. Renewed October 21, 1944.

190,770. **"P MEANS PIERCE PAINT" AND DESIGN.** VARNISHES, FURNITURE AND AUTOMOBILE POLISHES, PAINT PIGMENT COLORS, DRY COLORS, WOOD STAINS, METAL COATING PREPARATIONS IN THE NATURE OF PAINTS, AND OTHER CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered October 21, 1924. F. O. PIERCE COMPANY, New York, N. Y. Renewed October 21, 1944, to F. O. Pierce Company, Long Island City, N. Y., a corporation of New York.

190,916. **"HERON" AND DRAWING.** LEATHER BELTING. Registered October 28, 1924. WESTERN RAWHIDE & BELTING CO., Milwaukee, Wis., a corporation of Wisconsin. Renewed October 28, 1944.

191,130. **DRY-TEX.** TURKISH TOWELS. Registered November 4, 1924. H. W. BAKER LINEN COMPANY, New York, N. Y., a corporation of New York. Renewed November 4, 1944.

191,134. **CRYSTAL GLIDER.** GLASS CASTER CUPS. Registered November 4, 1924. THE W. T. HIGHT CO., Boston, Mass., a corporation of Massachusetts. Renewed November 4, 1944.

191,151. **ART KRAFT.** PAPER BAGS. Registered November 4, 1924. WORTENDYKE MANUFACTURING CO., Richmond, Va., a corporation of Virginia. Renewed November 4, 1944.

191,240. **"MILLER LINE" AND DRAWING.** INKED RIBBONS AND CARBON PAPERS. Registered November 4, 1924. THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Renewed November 4, 1944, to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York, assignee.

191,253. **PINNACLE.** TYPEWRITER RIBBONS AND CARBON PAPER. Registered November 4, 1924. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., New York, N. Y. Renewed November 4, 1944, to Columbia Ribbon and Carbon Manufacturing Co., Inc., Glen Cove, N. Y., a corporation of New York.

191,260. **CLASSIC.** TYPEWRITER RIBBONS AND CARBON PAPER. Registered November 4, 1924. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., New York, N. Y. Renewed November 4, 1944, to Columbia Ribbon and Carbon Manufacturing Co., Inc., Glen Cove, N. Y., a corporation of New York.

191,270. **TINDEX NETS.** LAUNDRY NETS. Registered November 4, 1924. TINGUE, BROWN & CO., New York, N. Y., a corporation of New York. Renewed November 4, 1944.

191,271. **TIBRODE NETS.** LAUNDRY NETS. Registered November 4, 1924. TINGUE, BROWN & CO., New York, N. Y., a corporation of New York. Renewed November 4, 1944.

191,274. **"STATITE" AND DRAWING.** BELT BUCKLES MADE OF OR PLATED WITH PRECIOUS METAL. Registered November 4, 1924. MARATHON COMPANY, Attleboro, Mass., a corporation of Massachusetts. Renewed November 4, 1944.

191,298. **AMERICAN ACE.** HARMONICAS. Registered November 4, 1924. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed November 4, 1944.

191,324. **DIONE.** WATCHES AND WATCH MOVEMENTS. Registered November 4, 1924. ADOLPHE SCHWOB, INC., New York, N. Y. Renewed November 4, 1944, to Louis A. Schwob, Pelham Manor and New York, N. Y., assignee by mesne assignments.

191,461. **DÉ JA LE PRINTEMPS.** PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, FACE CREAMS, BRILLIANTINE, EAU DE COLOGNE, LOTION FOR THE SKIN AND HAIR. Registered November 11, 1924. ARMAND SCHUHL, doing business as Oriza L. Legrand, Paris, France. Renewed November 11, 1944, to Oriza, Ltd., New York, N. Y., a corporation of New York, assignee by mesne assignments.

191,464. **SOPEX.** LAUNDRY SOAP. Registered November 11, 1924. JOHN T. STANLEY CO., INC., New York, N. Y., a corporation of New York. Renewed November 11, 1944.

191,482. **ZEMO.** PREPARATION FOR THE SKIN AND SCALP AND AN OINTMENT FOR EXTERNAL USE, INTENDED TO REDUCE INFLAMMATION, RELIEVE ITCHING AND OTHER IRRITATIONS OF THE SKIN AND SCALP. Registered November 11, 1924. THE E. W. ROSE COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed November 11, 1944.

191,492. **FORESIGHT.** TITLE OF A PERIODICAL PUBLICATION DEVOTED TO THE SUBJECT OF BUILDINGS, THEIR DESIGN, CONSTRUCTION, PSYCHOLOGICAL AND ECONOMIC VALUE, TOGETHER WITH OTHER SUBJECTS RELATING THERETO. Registered November 11, 1924. TILGHMAN MOYER COMPANY, Allentown, Pa., a corporation of Pennsylvania. Renewed November 11, 1944.

191,514. **C C S.** CLOSURES FOR RECEPTACLES. Registered November 11, 1924. THE CROWN CORK AND SEAL COMPANY OF BALTIMORE CITY. Renewed November 11, 1944, to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York, assignee.

191,521. **LENOX BOND.** WRITING AND PRINTING PAPER AND MAILING ENVELOPES. Registered November 11, 1924. CAREW MANUFACTURING COMPANY, South Hadley Falls, Mass., a corporation of Massachusetts. Renewed November 11, 1944.

191,550. **PROTECTO.** HOSIERY, SWEATERS AND KNITTED UNDERWEAR IN ONE AND TWO PIECE GARMENTS FOR MEN AND WOMEN. Registered November 11, 1924. HEYMAN & BISSINGER CO. Renewed November 11, 1944, to Hanes Hosiery Incorporated, New York, N. Y., a corporation of New York, successor.

191,562. **"SUN-GLO" AND DRAWING.** WALNUTS IN THE SHELL. Registered November 11, 1924. WM. A. HIGGINS & CO., INC., New York, N. Y., a corporation of New York. Renewed November 11, 1944.

REISSUES

JULY 11, 1944

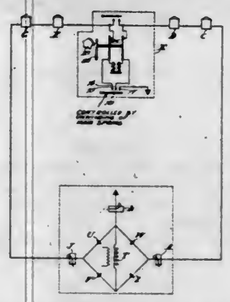
22,514

SIGNAL APPARATUS

Frank R. Bridges, Needham, Mass., assignor to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts

Original No. 2,270,925, dated January 27, 1942, Serial No. 330,581, April 19, 1940. Application for reissue January 25, 1943, Serial No. 473,517

13 Claims. (Cl. 177—361)



13. In a code signal transmitting mechanism having a normally wound spring for driving said mechanism through a plurality of cycles of operation, normally closed signaling contacts operable by said mechanism, starting means for said mechanism, a control member operated by engagement with the spring during unwinding thereof and having a stop member to prevent operation of the starting means, said stop member being effective only at the end of a complete cycle after the control member has been moved a predetermined amount by the spring and before the energy of the spring has become completely exhausted.

22,515

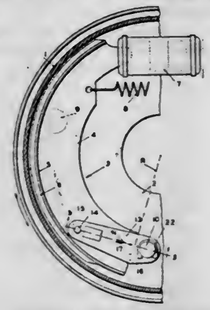
BRAKE SHOE MOUNTING

Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Original No. 2,331,349, dated October 12, 1943, Serial 423,896, December 22, 1941. Application for reissue January 7, 1944, Serial No. 517,449

20 Claims. (Cl. 188—79.5)

1. In braking mechanism, a support, a brake drum, a brake shoe, means for actuating one end of the brake shoe, mounting means for the other end of the brake shoe including a pivoted anchor member for preventing circumferential movement of the shoe, other means permitting the shoe end to move outwardly relative to the anchor member to adjust said shoe substantially radially of said drum, and said other means including means for maintaining a predetermined fixed relationship between the direction of the resultant force acting on the anchor member when the shoe is engaged with the drum and a radial line of the brake assembly passing through the point at



which the force acts on the anchor member regardless of expansion of the drum during braking or lining wear.

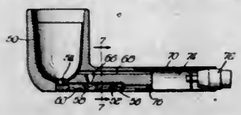
22,516

SMOKING PIPE

Fred J. Topp, Springfield, Ohio

Original No. 2,309,482, dated January 26, 1943, Serial No. 378,142, February 10, 1941. Application for reissue May 3, 1943, Serial No. 485,481

5 Claims. (Cl. 131—215)

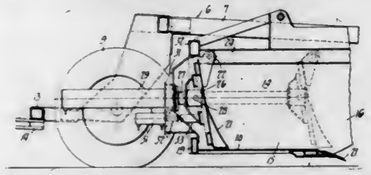


5. A smoking pipe comprising a bowl and shank and a mouthpiece, a lower portion of the exterior of the bowl having a recess forming a channel open at the bottom, a removable closure member for the bottom of said channel provided with openings therein forming vents between the channel and the atmosphere, a removable absorbent material substantially filling said channel, a main bore extending from the bowl to the mouthpiece independently of said channel to permit a main current of air to pass through the cavity of the bowl, the main bore and the mouthpiece, and means to enable a current of air to pass through said channel in the direction of the mouthpiece when the pipe is smoked, said means comprising a plurality of passageways communicating with the space of the channel, one of said passageways being disposed near the mouthpiece end of the channel and the other being disposed near the bowl end of the channel, said passageways being in communication with the main current of air passing through the cavity of the bowl, the main bore and the mouthpiece.

PATENTS

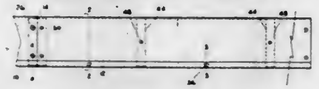
GRANTED JULY 11, 1944

2,353,120
EARTH MOVER
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Mfg. Co., Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application September 15, 1941, Serial No. 410,826
9 Claims. (Cl. 37—126)



1. An earth mover comprising a main bowl, an earth barrier movable in said main bowl throughout a predetermined range, hydraulic means for moving said barrier throughout said range, and means for supplementing said hydraulic means throughout part only of said range.

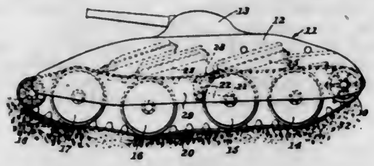
2,353,121
WIRE DUCT
Frederick B. Adam, St. Louis County, and Henry M. Stieglitz, St. Louis, Mo.
Application July 29, 1942, Serial No. 452,812
6 Claims. (Cl. 138—74)



1. A wire duct comprising adjacent sections joined end to end by a coupling, said coupling being secured to one of said sections and provided with a plurality of special formations, said formations being convex on the inside of the coupling and provided with an internally threaded tubular portion extending outwardly from the center of the convex portion, openings in the other duct section registering with the internally threaded tubular portion and screws extending through the openings in the duct and into the internally threaded tubular member to secure the duct section to the coupling.

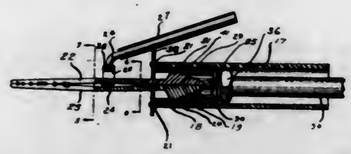
2,353,122
TANK
William J. Bigley, Jr., Weehawken, N. J.
Original application December 31, 1941, Serial No. 425,216. Divided and this application March 10, 1943, Serial No. 478,730
5 Claims. (Cl. 305—10)

1. A tank or tractor track comprising a series of sections having transversely spaced apertured bosses on their end edges, the sections being assembled with the bosses on each section intermeshing with those on the adjacent sections and with the apertures in each set of intermeshing bosses of adjacent sections in alignment, the apertures in the end bosses of each set having circumferentially continuous grooves in their sidewalls, a pin extending through each set of aligned apertures, and an expansible spring element confined in the grooves in the outermost apertures



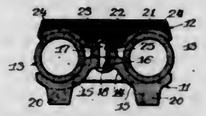
of each set of bosses in abutting relation to the ends of the pin, to prevent endwise removal thereof.

2,353,123
ELECTRODE HOLDER
Philip Bourque, Detroit, Mich., assignor to Bordon Mfg. Co., Inc., Detroit, Mich., a corporation of Michigan
Application April 23, 1942, Serial No. 440,117
10 Claims. (Cl. 219—8)



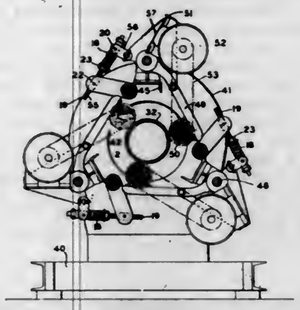
1. In an electrode holder of the class described, a tubular retainer; a gripping jaw; a presser head on the butt end of said gripping jaw insertable into said retainer; and a threaded presser member threadable in said retainer and movable axially thereof and engageable with said head for pressing said head and said retainer into engaged relation with each other.

2,353,124
ENDLESS TRACK TREAD
Frank E. Burgess, Geneva, Ill., assignor to Burgess-Norton Manufacturing Company, Geneva, Ill., a corporation of Illinois
Application March 18, 1942, Serial No. 435,208
3 Claims. (Cl. 305—10)



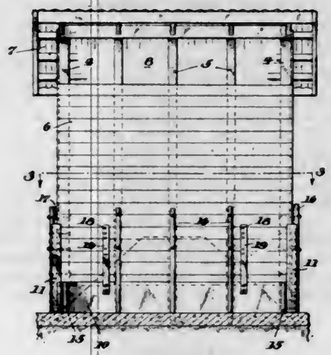
1. In an endless track construction, a tread block consisting of a pair of steel tube sections spaced in parallel relation to each other, an upper plate curved along opposite margins to partially surround the upper surfaces of said tubes and permanently secured to the latter along their meeting surfaces, and a shoe having curved margins to partially surround and engage the lower surfaces of said tubes, and means rigidly securing said upper plate and shoe together between said tubes.

2,353,125
APPARATUS FOR CLEANING PIPE
Arthur B. Carpmail, Lorain, Ohio
Application September 19, 1941, Serial No. 411,534
8 Claims. (Cl. 15—88)



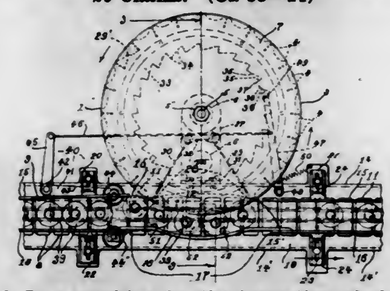
1. In combination with means to support succeeding lengths of pipe including means engaging opposite sides of said pipe to simultaneously rotate the same about their principal axes and move the same longitudinally in succession, of an apparatus positioned adjacent said engaging means and being operative to clean the exterior surface of said pipe, said apparatus comprising a pivotally mounted support carrying an electric motor on one side of the pivotal axis and a revolving brush on the other side of the pivotal axis, means interconnecting said motor and brush whereby said brush will be motor driven, means to resiliently urge said support to rotation in one direction whereby said brush will be maintained in yielding engagement with said surface, said brush adapted to rotate about an axis substantially parallel with said pivotal axis and the principal axis of said pipe and having a length at least equal to the pitch of the spiral path taken by said pipe.

2,353,126
HOG FEEDER
Willard Cecil, Parker, Ind.
Application February 4, 1942, Serial No. 429,565
1 Claim. (Cl. 20—1.2)



In a hog feeder, a supporting base, an upright wall mounted on the base forming a part of a feed bin and having an aperture in its lower portion, horizontally spaced apart ways provided on the wall, a stanchion anchored in the base between the ways and disposed in spaced parallelism to the wall, a vertically slidable gate cooperating with the aperture and having its end portions movable in the ways and an intermediate portion movable in the space between the wall and the stanchion, hangers secured to the outer side of the gate on opposite sides of the center thereof and each provided with a plurality of vertically alined openings, pins projecting outwardly from the wall above the range of travel of each gate and adapted to be received selectively in the openings in the hangers to hang the gate in vertically adjusted position to uncover more or less of the aperture, and means securing the upper portion of the stanchion to the wall above the range of travel of the gate, sufficient clearance being provided between the gate and each of the ways to permit the gate to be rocked from one vertically adjusted position to another by successive vertical movements of said hangers, the gate being adapted to be pressed by the contents of the feeder into frictional engagement with the ways and with said stanchion during adjustment so that the gate will be held temporarily in the several positions to which it may be rocked, and the gate in all positions being substantially engaged with the wall to prevent leakage of the contents of the bin upwardly between the wall and the gate.

2,353,127
INSPECTION APPARATUS
Allan C. Davis, Baltimore, Md.
Application July 22, 1941, Serial No. 403,593
29 Claims. (Cl. 88—14)

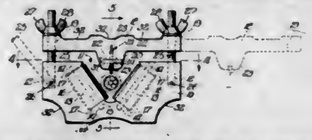


1. In a machine for the inspection of objects of light transmitting quality, a light intercepting screen mounted to move on an endless path having changes of direction, the screen having openings spaced in the direction of said path to receive and retain said objects, conveyor means for said objects extending adjacent said openings in approximate coincidence with a portion of said path and to and from said portion, and adapted to support said objects in said openings in said portion of the path, a source of light adapted to project light rays through openings in said portion of the path, means co-operating with the conveyor means for guiding the objects on the conveyor into said openings and for retaining them therein, the engagement of said objects with the conveyor and the contact thereof with the screen serving to move the screen along said path whereby each opening in turn is filled and closed by a corresponding one of said objects and said objects are passed along said portion of the screen path and through said light rays.

2,353,128
CABLE SLICER
John G. Demetropoulos, Milwaukee, Wis.
Application January 26, 1944, Serial No. 519,770
8 Claims. (Cl. 30—91)

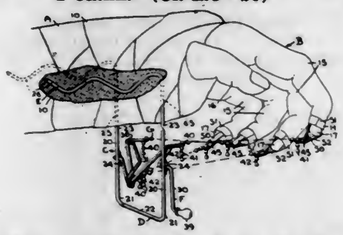
1. A cable slicer comprising a body member, angularly disposed rollers mounted on said body

member in spaced relation with each other so that a cable to be operated on may be received therebetween and in rolling engagement therewith, a clamping member, means for pivotally mounting the clamping member with respect to the body member, a cutting member mounted on said



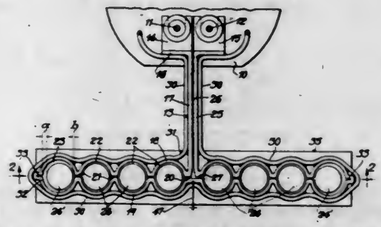
clamping member, and means for adjustably connecting said clamping member with said body member to bring said cutting member into desired spaced relation with said rollers and said cable, whereby the slicer may be manually moved along the cable to cut said cable longitudinally thereof.

2,353,129
SURGICAL CAST-SUPPORTED FINGER EXERCISER
Joseph A. De Mona, Warren Point, N. J.
Application August 15, 1942, Serial No. 454,980
1 Claim. (Cl. 128—26)



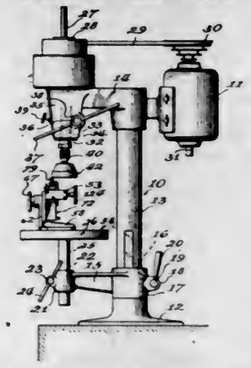
In a finger manipulator adapted for association with a surgical arm cast, a rigid support, including a pair of substantially paralleling upwardly extending arm portions, a base portion extending from like lower ends of said arm portions and transversely of said cast and a pair of corrugated anchoring portions extending from and normal to like upper ends of said arm portions and adapted to be imbedded in said cast to lay longitudinally thereof; a bell crank rotatively carried by said arm portions; a finger grip; and a flexible link connecting said bell crank and finger grip.

2,353,130
INDUCTION HEATING APPARATUS
Paul E. Dravneek, New York, N. Y., assignor to Induction Heating Corp., New York, N. Y., a corporation of New York
Application April 14, 1943, Serial No. 482,969
7 Claims. (Cl. 219—13)



1. An inductor for applying a high frequency electromagnetic field to a plurality of objects to be heated, comprising conductor means for extending with a scalloped formation along one side of said plurality of objects and then reversing to extend back again with a generally complementary scalloped formation along the other side of said plurality of objects, the protruding portions of the scalloped formation on one side being separated by narrow gaps from the corresponding portions on the other side, whereby a plurality of openings is provided with their walls adapted for closely spaced coupling relationship to the peripheries of the objects and for encircling the objects except at said gaps, the reversing end portion of the conductor means forming a loop for surrounding the end object, the inside surface of said reversing portion being formed with a narrow notch to thereby cause the region of increased field strength due to said reversing portion to be located in a more spaced relation to the end object.

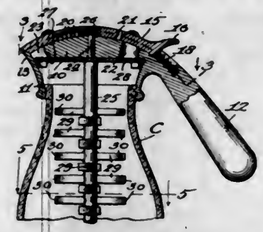
2,353,131
GRINDING MACHINE
Brandt Ford, Racine, Wis.
Application December 10, 1941, Serial No. 422,357
3 Claims. (Cl. 51—125)



1. In a device for grinding tools, the combination of a support having a lower work-supporting table provided with a plane upper surface and having above said table a vertically extending arbor rotatably mounted on said support and provided with a chuck, power driven means for rotating said arbor, said arbor being rotatably mounted in a vertically moving bearing and manual means for moving said bearing in a vertical direction, a grinding wheel carried by said chuck, and a tool grinding fixture, said tool grinding fixture comprising a body member having a substantially U-shaped base member with a lower plane surface for sliding support upon said table, a column carried by said fixture, and means for gripping a tool on said column, said gripping means being tiltable on a substantially horizontal axis to an acute angle to the lower surface of the grinding wheel, said column being disposed at an acute angle to the supporting surface of its base.

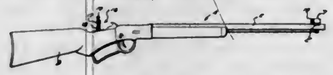
2,353,132
DISPENSING CONTAINER
Louis Frank, Taft, Calif., assignor of one-third to Adolph Reader, Taft, Calif.
Application November 25, 1942, Serial No. 466,841
3 Claims. (Cl. 259—117)

1. The combination with a container, of a closure detachably applied to said container, said closure having a discharge opening, a handle projecting from said closure, a spring pressed plate mounted for sliding movement on said closure and normally closing said discharge opening, said closure provided with an air inlet opening, said plate provided with an air inlet opening which registers with the air inlet opening in the closure when said plate is at its rear-



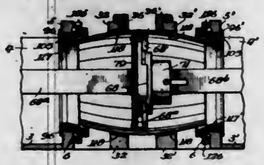
ward limit of movement, a shaft journalled in the center of said closure and extending downwardly into said container, driving connections between said sliding plate and shaft, and a plate carried by said shaft and positioned against the underface of said closure, which plate normally closes said discharge opening and the air inlet opening in said closure, stirring fingers projecting from said shaft.

2,353,133
GUN SIGHT
Barton L. Gorman, Michigan Bluff, Calif.
Application April 2, 1942, Serial No. 437,439
2 Claims. (Cl. 33—47)



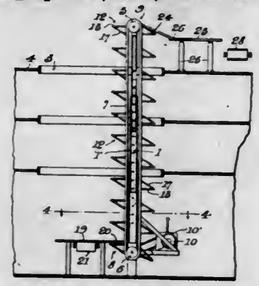
1. In a gun sight construction of the class described, a longitudinally elongated cylinder and a removable sight therein, said sight comprising an annulus, a concentric hub in a plane with said annulus and spokes joining the hub and annulus, said spokes being in radially aligned pairs and the cruciform positions being at 45 degree angles to the perpendicular, so as to form open windows in top, bottom and side quarters of the ring, thereby leaving an unobstructed view along horizontal and vertical lines of the target, and a pointed, luminous lug at the top of said ring in the vertical sight plane of the gun.

2,353,134
METHOD OF MANUFACTURING BARRELS
William R. Anderson, Chicago, Ill.
Original application March 24, 1939, Serial No. 263,942. Divided and this application May 22, 1942, Serial No. 444,050. In Great Britain November 1, 1937
9 Claims. (Cl. 144—309)



1. The method of forming a barrel which consists in assembling a plurality of staves into a drum and supporting them at substantially their inner longitudinal centers, then partially and simultaneously bending the staves by placing hoops upon the staves over the ends thereof toward their centers and maintaining them in their partially bent positions by pressure exerted by said hoops, then compressing the ends of the staves also by pressure exerted lengthwise of the staves by sleeving of end hoops thereover, then crozing the ends of the drum, then withdrawing the end hoops, then placing the ends of the barrel in position, and finally again compressing the ends of the drum about said barrel ends by reapplying the end hoops.

2,353,135
CARGO HANDLING APPARATUS
James A. Dorst, United States Army, Geiger Field, Wash.
Application June 26, 1943, Serial No. 492,354
3 Claims. (Cl. 214—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

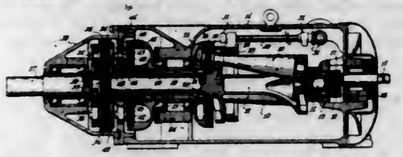


1. A cargo handling apparatus, the combination with an extensible support adapted to be removably mounted in a hatchway of a ship, a resilient cargo lifter belt adapted to be driven on said support and having a loading point and an unloading point, ridges formed on said cargo lifter belt, a table provided adjacent to the loading point of the cargo lifting belt, another table provided adjacent the unloading point of the cargo lifter belt, fingers pivotally mounted at one of their ends to the second-mentioned table and engaging said cargo lifter belt at its other ends between certain of said ridges, a plurality of cargo carrying members pivotally mounted on the cargo lifter belt, between certain other of said ridges, said cargo carrying members adapted to carry cargo from the first-mentioned table at the loading point of the cargo lifter belt to said unloading point and to deposit the cargo on the fingers of said second-mentioned table.

2,353,136
VARIABLE SPEED TRANSMISSION
Alfred G. Bade, Wauwatosa, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application February 10, 1941, Serial No. 378,163
8 Claims. (Cl. 74—284)

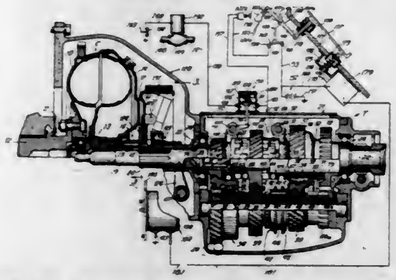
1. In a variable speed transmission the combination of a driver, a plurality of planet members driven thereby, a control element frictionally engaged with said planet members, a planetary system including three coaxial rotors, one of said rotors comprising a planet member engaged with both of said other rotors, a driven member operatively connected with one of said rotors, means providing a driving connection between said driver and another of said rotors, means render-

ing the third of said rotors responsive to the planetary action of said first named planet members, and means for effecting relative adjustment



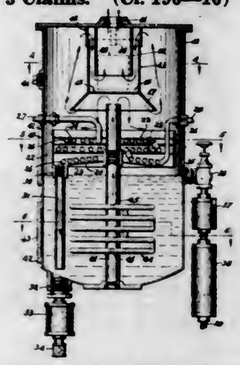
between said control element and said first named planet members to vary the planetary action of the latter and thereby regulate the rate of operation of said driven member.

2,353,137
CHANGE-SPEED TRANSMISSION
Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application March 17, 1941, Serial No. 383,775
17 Claims. (Cl. 74—472)



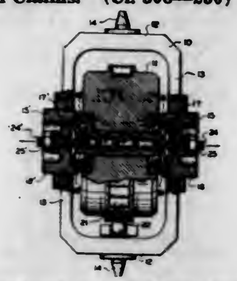
13. In apparatus for drivingly connecting a throttle-controlled engine of an engine-driven vehicle with the running gear wheels of such vehicle, the combination of a change-speed transmission wherein there are a plurality of power trains of different speed transmitting ratio individually establishable in driving relation between said engine and said wheels and of which at least one train is a cruising train having a ratio suitable for driving the vehicle at cruising speeds and of which at least another train of lower ratio than said cruising train is a starting train, said cruising train including drive and driven clutch parts respectively connected with said engine and said wheels and meshable, incident to a shift from the starting train into said cruising train, upon deceleration of the drive part to synchronism with the driven part to establish the cruising train, synchronizer brake means associated with said clutch drive part and operable to brake said part for decelerating the same as aforesaid, said starting train including meshable means effective to demobilize such train when demeshed and also including an overrunning clutch in which there are drive and driven members of which the driven member is adapted to overrun the drive member to enable said starting train to remain mobilized during establishment and operation of the cruising train, said synchronizer brake means being also associated with the drive member of said overrunning clutch and operable to decelerate said member and to rotate the same in the direction opposite to normal, following deceleration of said drive member to zero speed, to insure the non-existence of load pressure between said overrunning clutch members and consequent relaxation of said starting train to facilitate demeshing and remeshing of said meshable means, and means operable substantially concurrently with the closing of the engine throttle to effect operation of said synchronizer brake means.

2,353,138
OIL, MOISTURE, AND GAS SEPARATOR
Edward J. Beach, Brooklyn, N. Y.
Application July 18, 1942, Serial No. 451,437
3 Claims. (Cl. 196—16)



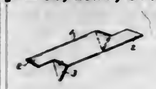
1. An oil, moisture and gas separator having a casing with a top air-gas discharge and a vertical oil-water-air inlet pipe in and extending upwards from the bottom of said casing with its top end spaced from said top discharge with a discharge line extending from the side of said casing at a point spaced materially below the top end of said inlet pipe, an open top container mounted concentrically upon said inlet pipe at a point between said air inlet pipe and the discharge line and formed with a guide pipe leading from the interior thereof, a plurality of vertically spaced perforated plates mounted within said container and through which oil containing water which from the top of said inlet pipe is adapted to filter, and a continuous heating coil having sections resting on each of said perforated plates to heat the oil passing through said plates to drive the water from the oil while passing through said plates.

2,353,139
SHAFT MOUNTING
Lennox F. Beach, Port Washington, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 28, 1943, Serial No. 474,054
14 Claims. (Cl. 308—230)



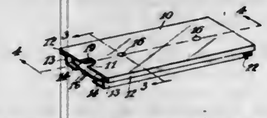
1. A temperature compensated mounting for an axially open shaft including a pair of axially spaced, relatively movable bearing members in which the ends of the shaft are journalled, a compression strut coaxial with said shaft, and means for engaging the ends of the strut to effectively move the bearing members relative to one another axially to adjustably increase the spacing thereof.

2,353,140
FASTENING DEVICE
Albert P. Belanger, Chicago, Ill.
Application January 1, 1943, Serial No. 471,068
3 Claims. (Cl. 85—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A fastening device comprising a metallic plate having a plurality of tabs on each of two opposite edges, some of the tabs on each edge being pointed and others blunt, the blunt tabs on one edge being opposite the pointed tabs on the other whereby when the fastener is applied the pointed tabs and blunt tabs will be diagonally disposed and at right angles to each other.

2,353,141
RAZOR BLADE MAGAZINE
Sidney H. Benjamin, Milwaukee, Wis.
Application July 1, 1941, Serial No. 400,586
2 Claims. (Cl. 206—16)



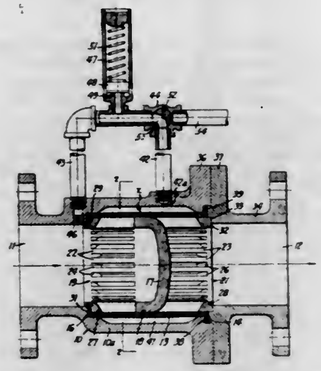
1. A safety blade magazine capable of being removably carried within a magazine holder and adapted for containing a plurality of stacked safety razor blades comprising a top member having an inwardly extended recess from its one end, a bottom member having a longitudinal opening extending from one end thereof, two side members, an opening in one end of the device allowing the passage of a blade therethrough, at least one blade retaining stud extending from said top member toward said bottom member and spaced from said bottom member the thickness of a razor blade, and a resilient member capable of normal resilient abutment upon said bottom member, the upper longitudinal edges of said device being extended outwardly from the sides thereof.

2,353,142
SELF-SHARPENING SAFETY RAZOR
James B. Brockhurst, Red Bank, N. J.
Application May 19, 1942, Serial No. 443,555
15 Claims. (Cl. 30—36)



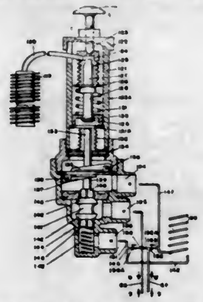
1. In a self-sharpening safety razor, a cap having sharpening means at its inner face, a handle, a head plate fixed on one end of said handle, a blade adapted for transverse movement, a guard beneath said head plate and movable transversely thereof, connections between said guard and said blade to actuate the latter, means for centering said guard, means for actuating said guard to actuate said blade, a finger piece on said handle adapted to render either said centering means effective or such guard actuating means effective, and means including said handle for flexing and holding said blade between the cap and the head.

2,353,143
FLUID FLOW CONTROL DEVICE
Austin U. Bryant, Berkeley, Calif., assignor to Fluid Control Engineering Co., a copartnership consisting of Marvin H. Grove and Julia E. Grove, both of Piedmont, Calif.
Application September 29, 1942, Serial No. 460,091
7 Claims. (Cl. 137—139)



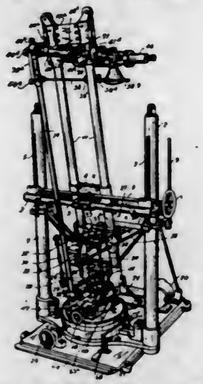
1. In a flow control device, a body having inlet and outlet passages for flow of fluid, a tube of resilient material disposed within the body and having its ends sealed with respect to the body about the passages, a circularly contoured barrier disposed within the tube intermediate the ends of the same, the adjacent annular portion of the tube being adapted to engage and seal upon the periphery of the barrier, grids disposed within the end portions of the tube on opposite sides of the barrier to prevent inward collapsing of the tube, and means forming a closed annular fluid chamber about the tube and extending a substantial distance on both the inlet and outlet sides of the barrier, there being a duct communicating with that portion of the chamber on the outflow side of the barrier for applying a controlling fluid under pressure to the same, said means including an annular abutment wall surrounding the tube in a region surrounding the barrier, said abutment wall being positioned with respect to the barrier and the outer surface of the tube so that one portion of the tube on the inflow side of the barrier can be expanded in contact with the same by fluid pressure applied to one of the passages, while an adjacent annular tube portion is retained in sealed engagement with the periphery of the barrier by fluid pressure within said chamber, reduction of pressure in the fluid chamber serving to form an annular orifice between the barrier and the tube for flow of fluid between the passages.

2,353,144
AIR CONDITIONING SYSTEM
Willis H. Carrier, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Original application August 12, 1939, Serial No. 289,749. Divided and this application July 7, 1942, Serial No. 450,055
3 Claims. (Cl. 257—6)



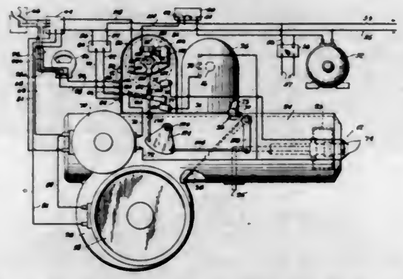
1. In a valve and fluid circuiting arrangement, a heat exchanger, a manually operated valve device, fluid supply and return lines, means for circulating cooled fluid through said lines to said valve device and exchanger under summer operating conditions, means for circulating heated fluid through said lines to said valve device and exchanger under winter operating conditions, a thermal bulb positioned in contact with said fluid supply line, an expansible bellows and pressure control line connected to said bulb, a slide plate attached to said bellows, a casing, said plate being mounted in slidable relation to said casing, a pair of apertures in said casing adjacent said valve device, indicating symbols on said plate, said symbols being arranged with respect to said apertures so that when cooled fluid is circulated through said valve device the indicating symbols exposed to view through the apertures will be in a certain order from left to right whereas when heated fluid is circulated through the valve device the symbols will be exposed to view in reverse.

2,353,145
X-RAY MACHINE
George H. Chamberlain, Jr., San Jose, Calif.
Application April 12, 1941, Serial No. 388,235
17 Claims. (Cl. 250—61.5)



1. In an X-ray machine, the combination of an X-ray tube, a carrier for an X-ray sensitive film, upright supporting means for said tube and film carrier, said supporting means having a universal bearing at a nodal point corresponding to the objective plane, a rotatable base upon which said supporting means is mounted and having operative connection with the lower end of said supporting means, and operating means connected to said base for effecting such movement of said supporting means about its nodal point that the film and the target of the tube will simultaneously describe paths in planes parallel to the objective plane and thereby effect mechanically a virtual focus of the rays from the tube in the objective plane.

2,353,146
AUTOMATIC HEATING SYSTEM
Gordon L. Cheasley, Westfield, N. J.
Application August 14, 1941, Serial No. 406,864
21 Claims. (Cl. 237—2)

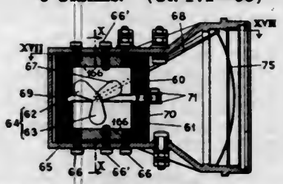


4. In an air conditioning and hot water heating system, a fluid heater and a hot water heater each having its own burner, a motor, a pump and blower common to said burners and driven by said motor, a valve and a damper to determine to which of the burners the fuel and air is supplied, means responsive to the temperature of the space the atmosphere of which is to be conditioned to normally control the operation of said motor to supply fuel and air to the burner of the fluid heater, means responsive to a drop below a predetermined value in the temperature of the water heated by the hot water heater to position the valve and the damper so as to direct the supply of fuel and air to the burner of the hot water heater to the exclusion of said fluid heater, a switch to control said motor, and means to hold said switch open during the changing of the valve and damper positions.

2,353,147
HIGH-DENSITY EXPLOSIVE CHARGE
Melvin A. Cook and Clyde O. Davis, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 5, 1941, Serial No. 396,655
15 Claims. (Cl. 52—11)

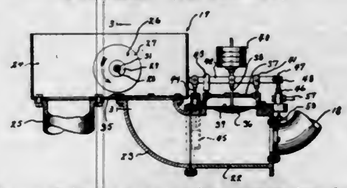
15. The method of preparing relatively high density explosive compositions which comprises subjecting two solid chemical compounds, at least one of which is a nitrated organic compound, to a temperature at which at least a portion of one of said compounds is in molten condition, maintaining in contacting relationship therewith a dispersing agent taken from the group consisting of sulfates of fatty alcohols, organic sulfonates and soaps of fatty acids, and subsequently cooling and solidifying the resulting blend.

2,353,148
REMOTE READING ELECTRIC INDICATOR GAUGE
Lucien Alfred Maurice Corset, Paris, France; vested in the Alien Property Custodian
Application February 27, 1940, Serial No. 321,103
In France March 24, 1939
6 Claims. (Cl. 171—95)



1. In an electrical indicator, a pair of rectangular coils rigidly mounted and having magnetic axes which are in alignment with one pole of one co-extensive with one pole of the other, a pivoted armature formed by two magnetic blades extending substantially 120° from each other and a non-magnetic balancing means, said blades and said balancing means being rigidly mounted together with the balancing means providing static balance for the armature, said armature being pivoted to move between two extreme positions as a result of a variation in the relative energization of the two coils with one coil being effective upon one of said blades and the other coil being effective upon the other of said blades.

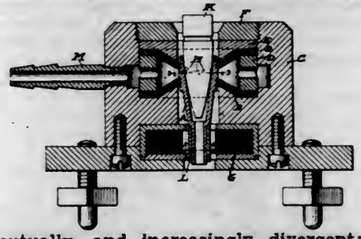
2,353,149
THIN STOCK REGULATOR
Hervey G. Cram, Appleton, Wis., assignor to The Cram Company, Inc., Appleton, Wis., a corporation of Wisconsin
Application October 25, 1941, Serial No. 416,480
4 Claims. (Cl. 137—78)



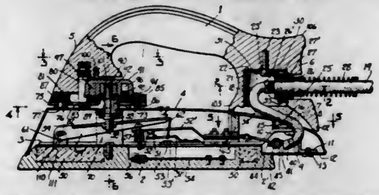
1. A consistency responsive apparatus for thin pulp or stock comprising a body having an inlet opening for pulp and a discharge opening for pulp, a rotary cylinder in said body between the inlet opening and the discharge opening so constructed and arranged that on rotation about its axis liquid passes therethrough at right-angles to its axis and solid matter collects on its periphery at a rate depending on the consistency of the stock, and a transversely extending partition in said body between the cylinder and the bottom of the body so arranged as to prevent the passage of pulp between the cylinder and body whereby to hold back the pulp on the inlet side of the body in accordance with the consistency of the stock.

2,353,150
BULLET SPINNING MACHINE
Thomas J. Dietz, Philadelphia, Pa.
Application April 23, 1943, Serial No. 484,319
6 Claims. (Cl. 73—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A device of the character described comprising: a stator having an inner surface which is a quadric of revolution, of sufficient concavity to receive a rotor having a surface of revolution such that when rotor and stator are fitted together making contact, there can be but one right section of minimum clearance between the two, and for increasing deviation from this plane in either direction, the said surfaces being slowly, mutually, and increasingly divergent; jets carried by said stator and obliquely directed toward the rotor at the said section of minimum clearance; means by which the stator is flexibly supported; and means by which a gas under pressure may be conducted to the jets without objectionable reduction in flexibility of the stator.



2,353,151
ELECTRIC FLATIRON AND THE LIKE
Charles W. Elsenheimer, Meriden, Conn., assignor, by mesne assignments, to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware
Application June 6, 1940, Serial No. 339,064
16 Claims. (Cl. 219—25)

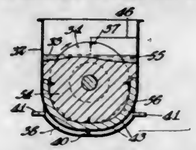


8. In a domestic electric heating iron having an electric supply cord leading therein, a main body and handle structure having a recess for the accommodation of said cord, a support in said recess for said cord which permits swivelling movements of the cord, said support having cord strain relief means comprising a strain relief member swivelled to the iron structure for following the swivelling movements of the cord, said strain relief member engaging and firmly holding the cord at its point of entrance into the iron and having spaced means separately engaging and firmly holding the individual conductors of said cord at points removed from the point of engagement with the cord, said strain relief member comprising a swivel support arm, a part having an extruded perforation therein and a pair of arms having clips for engaging the individual conductors of the cord, the cord passing through said perforation.

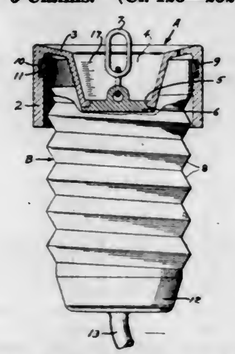
2,353,152
METHOD OF CONCENTRATING MINERALS
Louis J. Erck, Nashwauk, Minn., assignor to Minerals Beneficiation, Incorporated, Joplin, Mo., a corporation of Delaware
Application May 29, 1941, Serial No. 395,809
8 Claims. (Cl. 209—173)

1. The method of concentrating minerals containing substantial quantities of particles of sub-

stantially all size ranges up to the maximum size of the mineral being treated which comprises continuously feeding such mineral to a concentrator having an inclined trough and an elevated outlet at the lower end of the trough, controlling the rate of feed of solids and water to the concentrator and the rate of discharge therefrom to maintain a dense mass of the mineral containing from 55% to 75% solids within the lower end portion of said trough substantially to the level of said outlet, said mass being too viscous to permit classification depending on particle size, mechanically agitating said mass and percolating water upward through said mass to work coarse particles of the lighter fraction thereof to the surface by a combination of said mechanical agitation and rising water, continuously discharging said lighter, coarse particles together with some of the finer particles and water from the surface of the mass through said outlet and gradually working the heavier fraction of said mass toward the upper end of said trough and discharging said heavier fraction therefrom.



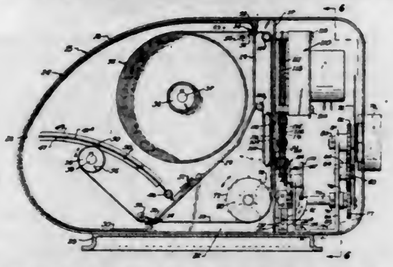
2,353,153
CLINICAL IRRIGATING DEVICE
Clyde B. Ferrel, San Francisco, Calif.
Application August 5, 1942, Serial No. 453,657
5 Claims. (Cl. 128—232)



1. An apparatus of the character described comprising a case closed at the upper end and open at the bottom, a flexible container within the case, said container having an open and a closed end, and being collapsible within the case, and also extendible therefrom, means securing the open end of the container within the case adjacent the upper end thereof and an opening formed in the closed end of the case for filling the container with a liquid.

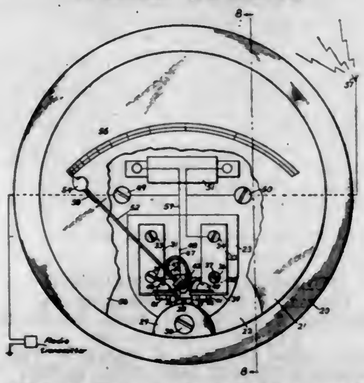
2,353,154
PHOTOGRAPHIC APPARATUS FOR MAKING PERIODIC TIME-RECORDED EXPOSURES
Herman J. Fowler, Chicago, Ill.
Application April 22, 1943, Serial No. 484,100
9 Claims. (Cl. 161—26)

1. In automatically operable photographic apparatus for making a series of periodic time-record photographic exposures on a film strip, and in combination, a housing provided with photographic lens, a shutter, a film compartment within said housing provided with a film exposure aperture, an unexposed film reel and a film-receiving spool in said compartment, a motor, a drive shaft driven by said motor, intermittently operable means driven by said drive shaft adapted for periodically moving the film at spaced intervals of time across said aperture, means for photographically recording on each exposure of the film the time at which each exposure was made, comprising a clock dial-plate positioned within the field of said aperture close to the film and adapted to impose a photographic silhouette of a marginally disposed clock-dial upon each



film exposure and having a central opening within the dial portion through which the photographic image is projected and recorded on the film, hour and minute hands mounted for movement adjacent said clock dial-plate within substantially the area of the marginal clock-dial, clock-actuated means for supporting and moving said hands, said hands being disposed close to said dial-plate whereby a silhouette of said hands is photographically imposed, in conjunction with the silhouette of said clock-dial, upon each film exposure, and means for actuating said shutter in synchronous operation with said intermittently operable means to thereby expose the film to a photographic image projected through said lens and said dial-plate opening during each stationary position of the film.

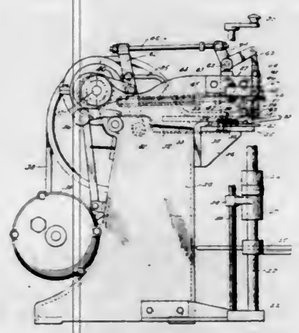
2,353,155
MEASURING DEVICE
William D. Hall, Elkins, W. Va.
Application May 7, 1938, Serial No. 206,625
11 Claims. (Cl. 171—95)



1. A bimetallic ammeter suitable for radio frequency use comprising a thin bimetallic strip of

a thickness no greater than two thousandths of an inch and relatively short, a support for one end of said strip and in electrical connection to said end, a return electrical conductor attached to the other end of said strip and returning relatively close and parallel to said strip to minimize inductance, and a radio frequency conductor adapted to force radio currents through said support, strip, and return conductor.

2,353,156
CAPPING MACHINE
Charles Hobbs, Decatur, Ill., assignor to Crown Cork Specialty Corporation, a corporation of Illinois
Application August 3, 1940, Serial No. 350,808
13 Claims. (Cl. 226—81)



1. In a capping machine for applying to containers caps including locking levers, container supporting means, capping means, means to move the cap locking lever to locked position, said capping means being movable into the path of the locking lever moving means to control movement of the latter.

2,353,157
OXIDATION OF LOWER ALIPHATIC ALCOHOLS
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 29, 1942, Serial No. 448,957
3 Claims. (Cl. 260—531)

1. A process for the direct oxidation of a lower aliphatic alcohol to obtain the corresponding aliphatic acid, which comprises treating a solution of a metal ion of a metal of the alkali and alkaline earth metal groups in an aliphatic acid with an aldehyde and a gaseous oxidizing medium to form a catalyst solution, introducing material amounts of a lower aliphatic alcohol and a lower aliphatic aldehyde into the activated catalyst solution, oxidizing the alcohol of the resulting solution of catalyst, alcohol and aldehyde by treating said solution with a gaseous oxidizing medium, maintaining the temperature of the solution of catalyst, alcohol and aldehyde during its treatment with the gaseous oxidizing medium such that the solution is maintained in the liquid phase, and subsequently recovering the aliphatic acid produced.

2,353,158
OXIDATION OF LOWER ALIPHATIC ALCOHOLS
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 29, 1942, Serial No. 448,958
3 Claims. (Cl. 260—531)

1. A process for the direct oxidation of a lower aliphatic alcohol to obtain the corresponding aliphatic acid, which comprises treating a solution of a metal ion of a metal of the aluminum group in an aliphatic acid with an aldehyde and a gaseous oxidizing medium to form a catalyst solution, introducing material amounts of a lower aliphatic alcohol and a lower aliphatic aldehyde into the activated catalyst solution, oxidizing the alcohol of the resulting solution of catalyst, alcohol and aldehyde by treating said solution with a gaseous oxidizing medium, maintaining the temperature of the solution of catalyst, alcohol and aldehyde during its treatment with the gaseous oxidizing medium such that the solution is maintained in the liquid phase, and subsequently recovering the aliphatic acid produced.

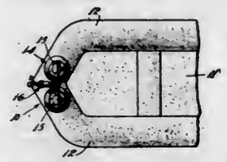
2,353,159
OXIDATION OF LOWER ALIPHATIC ALCOHOLS
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 29, 1942, Serial No. 448,959
3 Claims. (Cl. 260—531)

1. A process for the direct oxidation of a lower aliphatic alcohol to obtain the corresponding aliphatic acid, which comprises treating a solution of a metal ion of a metal of the platinum group in an aliphatic acid with an aldehyde and a gaseous oxidizing medium to form a catalyst solution, introducing material amounts of a lower aliphatic alcohol and a lower aliphatic aldehyde into the activated catalyst solution, oxidizing the alcohol of the resulting solution of catalyst, alcohol and aldehyde by treating said solution with a gaseous oxidizing medium, maintaining the temperature of the solution of catalyst, alcohol and aldehyde during its treatment with the gaseous oxidizing medium such that the solution is maintained in the liquid phase, and subsequently recovering the aliphatic acid produced.

2,353,160
OXIDATION OF LOWER ALIPHATIC ALCOHOLS
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 29, 1942, Serial No. 448,960
3 Claims. (Cl. 260—531)

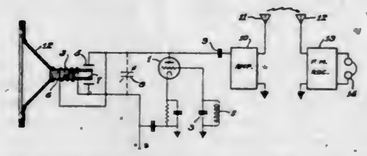
1. A process for the direct oxidation of a lower aliphatic alcohol to obtain the corresponding aliphatic acid, which comprises treating a solution of a metal ion of a metal of the chromium group in an aliphatic acid with an aldehyde and a gaseous oxidizing medium to form a catalyst solution, introducing material amounts of a lower aliphatic alcohol and a lower aliphatic aldehyde into the activated catalyst solution, oxidizing the alcohol of the resulting solution of catalyst, alcohol and aldehyde by treating said solution with a gaseous oxidizing medium, maintaining the temperature of the solution of catalyst, alcohol and aldehyde during its treatment with the gaseous oxidizing medium such that the solution is maintained in the liquid phase, and subsequently recovering the aliphatic acid produced.

2,353,161
FLOTATION APPARATUS
Henry Ernest Heigis, West Orange, and Theodore Norrison Hannant, Cedar Grove, N. J., assignors to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application December 30, 1941, Serial No. 424,870
11 Claims. (Cl. 9—11)



1. In apparatus of the class described, the combination of a flotation compartment, a fitting attached to said compartment for introducing a fluid pressure medium into said compartment, and means associated with said fitting for admitting a low pressure medium to said compartment and for reducing the rate of flow and the pressure of a high pressure medium to render it adaptable for use to fill said compartment.

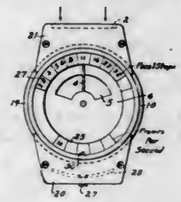
2,353,162
FREQUENCY MODULATION
Dominic M. Kaltenbacher, Bloomington, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1942, Serial No. 445,008
8 Claims. (Cl. 179—171.5)



1. In apparatus for converting sound waves into timing modulated currents, a multi-electrode thermionic tube, a tuned oscillatory circuit including a variable inductance and a capacity formed by at least two conducting elements between which effective capacity exists which capacity is variable, the said variable inductance and variable capacity being in said oscillatory circuit and coupled to electrodes of said tube, means for causing oscillatory current to flow in said oscillatory circuit, and means responsive to said sound waves for simultaneously varying said variable inductance and said variable capacity formed by said elements to change the tuning of said oscillatory circuit to modulate the timing of the oscillatory energy flowing in said oscillatory circuit.

2,353,163
EXPOSURE METER
George Keinath, Larchmont, N. Y.
Application June 21, 1940, Serial No. 341,720
2 Claims. (Cl. 88—23)

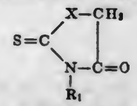
1. A photographic exposure meter for determining one of the magnitudes of shutter speed and lens speed relative to the other in dependence upon the brightness of the object and the sensitivity of the photographic emulsion, comprising a light-measuring instrument having a casing, a moving pointer responsive to the brightness of the object, a ring member arranged at the front surface of said casing and rotatable relative to said casing, a scale of indicia representing said speed magnitude to be determined, said scale being arranged on said ring member in direct cooperative relationship to said pointer and being adjustable by rotating said ring member so as to vary the indication effected by said pointer, a second scale of indicia also provided on said ring member and representing said other speed mag-



nitude, a displaceable marker arranged at the front surface of said casing to cooperate with said second scale, a third scale of indicia representing the emulsion sensitivity arranged at a lateral surface of said casing, and an adjusting member having pointer means cooperating with said third scale and connected with said marker so that said marker is displaced in accordance with the adjustment of said adjusting member and pointer means.

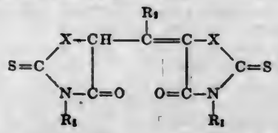
2,353,164
DYESTUFFS AND DYESTUFF INTERMEDIATES
John David Kendall and Douglas James Fry, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
No Drawing. Application March 5, 1941, Serial No. 381,925. In Great Britain April 19, 1940
9 Claims. (Cl. 260—240)

1. Process for the manufacture of symmetrical dyestuffs and dyestuff intermediates having two heterocyclic ketomethylene nuclei linked to one another which comprises condensing together two molecular equivalents of a heterocyclic ketomethylene compound of the general formula:



where X is an atom selected from the group consisting of oxygen and sulphur atoms and R_1 is selected from the group consisting of the hydrogen atom and hydrocarbon groups as the sole type of reactive heterocyclic nitrogen compound in the reaction zone, in the presence of a strong base and a compound selected from the group consisting of anhydrides and ortho-esters of mono-carboxylic acids.

5. A dyestuff of the general formula:



where X is an atom selected from the group consisting of oxygen and sulphur atoms and R_1 is selected from the group consisting of hydrogen atoms and hydrocarbon groups and R_2 is a hydrocarbon radical.

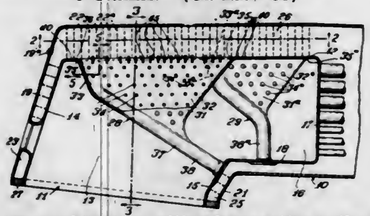
2,353,165
INCREASING THE APPARENT SURFACE HARDNESS OF ENAMELS
Ignaz Kreidl and Werner Kreidl, Dunkirk, N. Y.
No Drawing. Application February 9, 1940, Serial No. 318,058
7 Claims. (Cl. 117—65)

1. In the process for improving the apparent surface hardness of the vitreous enamel coat of enameled articles the step of subjecting the enameled article after the usual firing process to a second firing process at a higher temperature and for a shorter time than in the first firing process so that at least a substantial part of the gas bubbles in the surface layer of the enamel coat is released while the gases in the lower layers thereof are substantially retained.

2,353,166
TREATMENT OF WELL DRILLING FLUIDS
Henry C. Lanz, Jr., and Delmar H. Larsen, Los Angeles, Calif., assignors to National Lead Company, Los Angeles, Calif., a corporation of New Jersey
No Drawing. Application May 25, 1942, Serial No. 444,428
10 Claims. (Cl. 252—8.5)

1. An aqueous well drilling fluid containing a small percentage of a water-dispersible phytic acid compound.

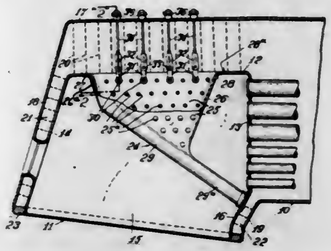
2,353,167
LOCOMOTIVE BOILER
Bert E. Larson, Park Ridge, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application April 7, 1941, Serial No. 387,253
9 Claims. (Cl. 122—68)



1. In combination with a locomotive boiler having sheets forming a firebox therein, a water steaming and circulating element in the firebox and having an elongated tubular outlet fixed in and opening through one of the sheets forming the firebox so as to communicate with the water space of the boiler, staybolts connecting opposite sides of said tubular outlet together, and a plurality of members disposed edgewise above said staybolts and extending across said outlet and dividing the same into passages and having opposed portions immovably attached to opposite sides of the extremity of said tubular outlet whereat the same connects with said first-mentioned sheet and resisting lateral spreading of said side walls at said outlet under boiler pressure.

2,353,168
LOCOMOTIVE BOILER
Bert E. Larson, Park Ridge, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application April 7, 1941, Serial No. 387,255
2 Claims. (Cl. 122—68)

1. A locomotive boiler embodying therein a wrapper sheet, a firebox in said boiler including a crown sheet spaced below said wrapper sheet, a hollow water steaming and circulating element in the firebox having an end opening through the crown sheet so as to discharge water into the boiler space above the crown sheet, staybolts connecting opposed portions of said end of said



element, a member having a connection with one of said bolts and extending upwardly therefrom, a clevis-like member having a pivotal connection with the first mentioned member, and means operatively connecting said clevis member with said wrapper sheet.

2,353,169
LUBRICANT
Bert H. Lincoln and Waldo L. Steiner, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application July 15, 1940, Serial No. 345,613
15 Claims. (Cl. 252—48)

1. A lubricating composition comprising a major proportion of lubricating oil and a minor amount of a halogen and nitrogen bearing aliphatic compound and a minor amount of a thionic material.

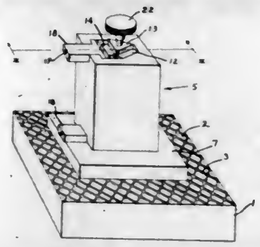
2,353,170
LUBRICANT
Bert H. Lincoln and Waldo L. Steiner, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application July 15, 1940, Serial No. 345,614
15 Claims. (Cl. 252—48)

1. A lubricating composition comprising a major proportion of lubricating oil and a minor amount of a halogen and sulfur bearing aliphatic compound and a minor amount of a thionic material.

2,353,171
MEANS AND METHOD OF FORMING PIEZOELECTRIC CRYSTALS
Charles W. MacConnell, Southbridge, Mass., assignor to Harvey-Wells Communications, Inc., Southbridge, Mass., a corporation of Massachusetts
Application December 15, 1941, Serial No. 423,017
7 Claims. (Cl. 51—216)

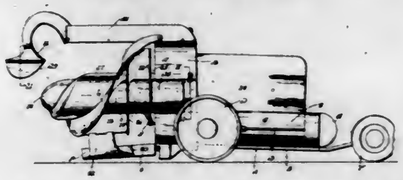
1. Means for abrading a crystal, said means comprising a holder for use with a lap having a relatively flat effective abrading surface thereon, said holder having a relatively flat surface for engaging the surface of the lap and having a recess in said surface for receiving the crystal to be abraded, a plunger slidably supported in

said holder having a portion with a relatively flat end communicating with the crystal holding recess, with the said end disposed substantially parallel with the surface of said holder adapted to engage the lap and means for retaining said



plunger in adjusted position, the said holder and plunger being adapted to retain the crystal in engagement with the abrading surface of the lap and being adapted to cause the resultant abraded surfaces on said crystal to be in substantially parallel relation with each other.

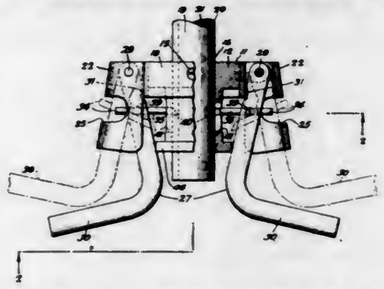
2,353,172
SHOCKING HARVESTER
Donald MacLean, Middlechurch, Manitoba, and James E. Eldridge and Phillip Cravits, Jr., Winnipeg, Manitoba, Canada
Application June 13, 1940, Serial No. 340,376
10 Claims. (Cl. 56—404)



5. A harvester comprising in combination upon a wheeled framework, a reaping assembly and a shocking assembly, said reaping assembly consisting of a reel, cutter-bar and conveyor platform in conventional relationship, said shocking assembly including a stem receiver in the form of a longitudinally extending passage, a stem elevator positioned between said reaping assembly and said passage, a stem receiving platform adjacent the top of said elevator and positioned between said elevator and said passage, said stems being deposited into said passage from said platform while lying horizontally, means in said passage for elevating said stems into the vertical, a knotter projecting into said passage for binding said stems into sheaves, a bundle chamber at the rear of said passage and a shock forming mechanism also at the rear of said passage.

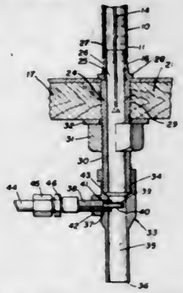
2,353,173
TOOL FOR SLITTING CABLE INSULATIONS
Samuel M. Martin, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 27, 1943, Serial No. 480,876
17 Claims. (Cl. 30—91)

12. An insulation cutting tool, comprising a frame having an opening therein through which an insulated cable may be inserted, an arm pivotally attached to the frame for movement to and from the opening in the frame to permit a cable to be inserted therethrough and adapted to be grasped to draw the frame from an insu-



lated cable inserted in the opening, and a cutting blade attached to the arm to slit the insulation on the cable as the frame is drawn from the cable.

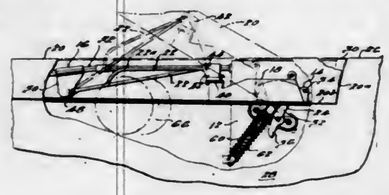
2,353,174
METHOD OF AND APPARATUS FOR INSERTING PLUGS INTO APPLICATORS
John R. McLaughlin, New Brunswick, N. J., assignor, by mesne assignments, to Tampax Incorporated, New York, N. Y., a corporation of Delaware
Application July 15, 1940, Serial No. 345,605
11 Claims. (Cl. 226—2)



1. A method of assembling a tampon with an attached string in a tubular elongated applicator which consists in creating a suction effect in the applicator, then subjecting the tampon string to the suction effect within the applicator to cause the string to be displaced through the interior of said applicator from one extremity thereof without initial access from the other extremity, and then forcing the tampon by exerting a pressure influence thereon into said applicator in the direction of string displacement to complete the projection of the string from the other extremity of said applicator.

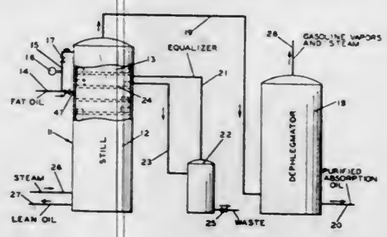
2,353,175
HINGE
Rollo Marple, Jackson, Mich., assignor to Hancock Manufacturing Company, Jackson, Mich., a corporation of Michigan
Application February 17, 1941, Serial No. 379,271
1 Claim. (Cl. 16—128.1)

In a hinging mechanism for controlling a hinging movement between relatively movable members, the combination of a pair of hinges, each hinge comprising a link having its respectively opposite ends pivotally connected to the respective members and having means associated therewith to cause a hinging movement to occur about an axis which moves through a predetermined path in a plane substantially normal to the



axes of pivotal movement of said links relative to said members, one end of one of said links and the corresponding end of the other link having a common point of pivotal connection to the corresponding member.

2,353,176
ABSORPTION OIL DISTILLATION PURIFIER
Charles O. Meyers, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 17, 1943, Serial No. 483,426
4 Claims. (Cl. 196—8)



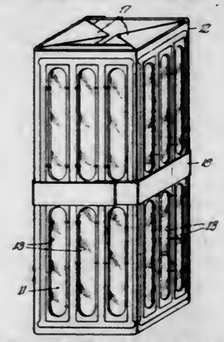
1. A process for purifying used absorption oil comprising the steps of passing a major portion of a stream of hot enriched absorption oil containing absorbed gasoline hydrocarbons to a stripping still, passing steam in countercurrent relation to the major portion of the hot enriched absorption oil in said still for removal of the absorbed gasoline hydrocarbons to produce a lean absorption oil and a stream of steam and gasoline hydrocarbon vapors; passing a minor portion of said stream of hot enriched absorption oil containing absorbed gasoline hydrocarbons to a purifier, passing the above said stream of steam and gasoline hydrocarbon vapors in countercurrent relation with said minor portion of the enriched absorption oil in said purifier whereby the absorbed gasoline hydrocarbons and the more volatile portion of the absorption oil are vaporized and pass out as a combined stream of steam, gasoline hydrocarbon vapors and absorption oil vapors, the less volatile portion of the absorption oil remaining as purifier bottoms, removing said purifier bottoms as waste material; passing said combined stream of steam, gasoline hydrocarbon vapors and absorption oil vapors to a dephlegmator wherein the absorption oil vapors are condensed to form a purified absorption oil, removing this purified absorption oil and combining same with the stream of lean absorption oil from the above said still; and removing the remaining steam and gasoline hydrocarbon vapors from the dephlegmator.

2,353,177
MECHANICAL PENCIL
Fred P. Moore, Chicago, Ill., assignor to Eversharp, Inc., Chicago, Ill., a corporation of Delaware
Application September 17, 1942, Serial No. 458,613
15 Claims. (Cl. 120—17)



1. In a lead feeding mechanism for mechanical pencils, in combination, a tubular magazine member, a socket member at the lower end thereof and having a stepped bore, a plurality of resilient strips arranged in complementary relationship to form a tube with its upper portion fitting in the smaller lower portion of said bore, said strips having upper end portions bent outwardly over a stepped surface in said bore, and a plug member secured in the larger portion of said bore with its lower end in engagement with said outwardly bent portions of said strips, said plug member having a bore forming a passage from the tubular magazine member into said tube.

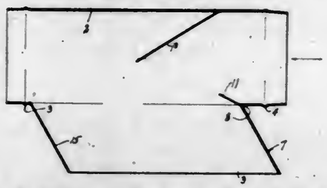
2,353,178
CONTAINER AND METHOD OF MAKING SAME
George Arlington Moore, New York, N. Y., assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application July 26, 1940, Serial No. 347,583
4 Claims. (Cl. 229—14)



1. A container of the type described, comprising an orificed paper board body-imparting member folded into container formation with adjacent edges, paper extensions secured interiorly of said bracing member and passing between the adjacent edges thereof, and a transparent rubber hy-

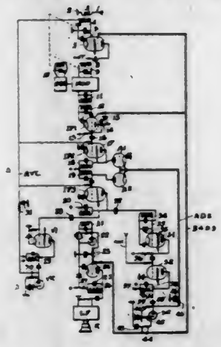
drochloride interior pellicle secured to said bracing member and said paper extensions, said paper extensions and rubber hydrochloride pellicle being sealed into an integral longitudinally extending seam exteriorly of and beyond the adjacent edges of said bracing member, and said seam being folded over and interlockingly secured to the exterior face of said bracing member, said paper being centrally orificed to permit inspection of said container contents through the orifices of said paper board body-imparting member and said rubber hydrochloride pellicle.

2,353,179
DRAFT HOOD
Louis C. Morris, Los Angeles, Calif., assignor to Payne Furnace & Supply Company, Inc., Beverly Hills, Calif., a corporation of California
Application July 6, 1940, Serial No. 344,219
4 Claims. (Cl. 126—307)



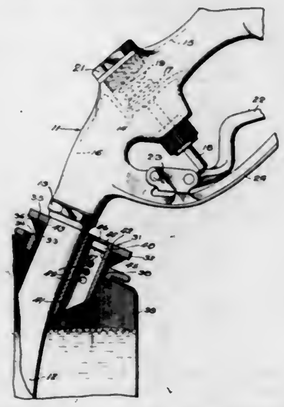
1. A draft hood capable of being installed either in a horizontal or vertical position, said draft hood in the vertical position comprising a tubular conduit member having openings at its ends for connection with a chimney flue system and having an aperture at one side, an upwardly sloping baffle within the conduit member extending from the side opposite the aperture towards said aperture, an upwardly sloping supplemental baffle extending from the aperture side of the conduit below the first-mentioned baffle, and a skirt joined to said conduit member at said aperture and sloping downwardly to provide a relief opening.

2,353,180
AUTOMATIC SELECTIVITY CONTROL FOR RADIO RECEIVERS
Egon Nicolas Muller, Esch-sur-Alzette, Luxemburg; vested in the Alien Property Custodian
Application June 13, 1936, Serial No. 85,166
In Luxemburg June 15, 1935
10 Claims. (Cl. 250—20)



1. In a radio receiver, the combination of a channel responsive to the wanted carrier frequency; selectivity regulating means in said channel; means responsive to the frequency of incoming interference and including a rectifier for producing a potential responsive to the amplitude of interference for operating said selectivity regulating means; amplifier means in the feed path of said interference responsive rectifier, having gain control means; and an operative connection between said gain control means and said interference responsive rectifier for decreasing the gain in response to increased amplitude of incoming interference, whereby said interference-responsive potential may vary thru a limited range of values while corresponding to interference strengths varying thru a wide range of values.

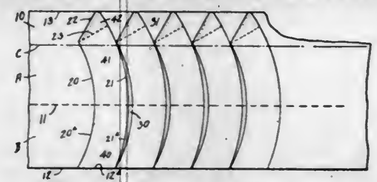
2,353,181
DISPENSING NOZZLE SIGNAL
Frederick E. Neef, Jr., United States Army
Application October 3, 1941, Serial No. 413,455
5 Claims. (Cl. 116—109)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a liquid discharge spout, a circular stopper body mounted on said spout in eccentric relation thereto to provide a signal-mounting space on the body, and a signal comprising a sound-producing device mounted in and protected by the stopper body and occupying said mounting space and a tube extending below the stopper body and having a plurality of air inlet ports in communication with the interior of a container being filled, one of said ports being adapted to be closed first by the rising liquid level in the container, to interrupt the signal sound, and a single air discharge port in communication with the atmosphere, said tube directing all the air displaced from the container through the sound-producing device.

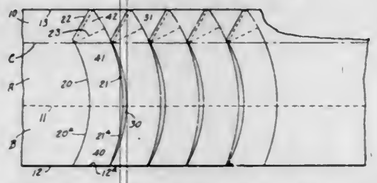
2,353,182
METHOD OF FORMING BASKET LINERS
Howard H. Niederauer, Indianapolis, Ind., assignor to Fruit & Produce Packing, Inc., Indianapolis, Ind., a corporation
Application July 23, 1941, Serial No. 403,719
15 Claims. (Cl. 93—1)

1. The method of forming a one-piece, paper board liner including initially folding one side portion of the paper board upon itself, simultaneously arcuately cutting the board layers to form therefrom a pair of lunar segments and an arcuate liner blank longer than the segment and with a fold therein, bias creasing the board intermediate the non-lapped portion to form a



triangular-like flap, and then folding the flap on the biased crease to lap the non-lapped portion of the board, the biased crease being so located that the flap laps the free end of the initial lapping portion for subsequently securing the free end and flap together.

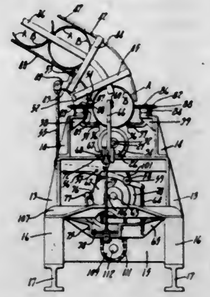
2,353,183
BASKET LINER
Howard H. Niederauer, Indianapolis, Ind., assignor to Fruit & Produce Packing, Inc., Indianapolis, Ind.
Original application July 23, 1941, Serial No. 403,719. Divided and this application December 10, 1942, Serial No. 468,472
3 Claims. (Cl. 217—3)



1. A one-piece, collapsed, liner having upper and lower substantially concentric curved edges and two folded end edges substantially perpendicular to the tangents to said first named edges, said liner having a lap type joint from substantially one curved edge to the other and longer than either of the first named folded end edges, the joint starting at or immediately adjacent one corner defined by one folded edge of the liner and the lower curved edge thereof, and the general direction of the joint being substantially parallel to the other folded edge of the liner, said lap joint being of adhesive connected type.

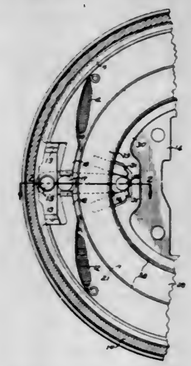
2,353,184
APPARATUS FOR GAUGING TUBULAR OBJECTS
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 31, 1941, Serial No. 425,185
5 Claims. (Cl. 198—33)

1. An apparatus for aligning lock side seams of cylindrical metallic can bodies preparatory to soldering, comprising a rotary member for receiving and supporting said bodies, means for delivering individual can bodies to said member, means for rotating said rotary member, said member having spaced magnetized annular rings cooperating to provide a magnet unit adapted for rotation of said can body by engagement with the peripheral surface of the latter, a gauge engageable with the inner surface of the rotating can body for locating its side seam by stopping the body when the seam is in a predetermined posi-



tion, and means for moving the positioned can body longitudinally out of engagement with said rotary member.

2,353,185
ELECTROMAGNETIC FRICTION DEVICE
John George Oetzel, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois
Application November 21, 1941, Serial No. 419,847
11 Claims. (Cl. 188—138)

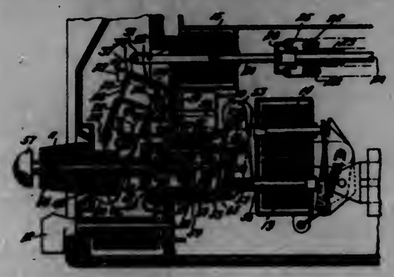


1. In an electromagnet friction device, an armature comprising a ring of sheet metal having inner and outer peripheral flanges projecting axially, circumferentially extending ribs formed in said ring, annularly spaced depressions formed in one side of said ring between said ribs and providing raised surfaces on the opposite side, a plurality of pieces of magnetic material arranged end to end around said ring with their faces disposed in a common plane, and means attaching each of said pieces to one of said raised surfaces at a plurality of spaced points spaced from the margins of the piece.

2,353,186
PROGRAM PRESELECTING AND TUNING MECHANISM
Freeman H. Owens, New York, N. Y.
Application April 28, 1943, Serial No. 484,934
21 Claims. (Cl. 250—20)

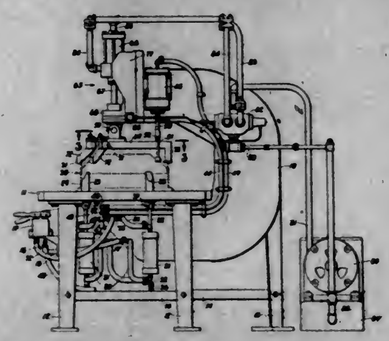
1. Program preselecting and tuning mechanism, comprising a universal bar having detent

shoulders, means for effecting reciprocation of said universal bar in opposite directions, catches adapted when so positioned to engage said shoulders and stop movement of said universal bar in one direction, means for individually positioning said catches to be engaged or not to be engaged



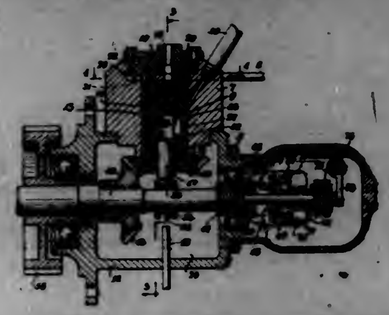
by said shoulders, means for individually locating said catches to stop said universal bar in different positions and means such as a radio tuning device connected to be positioned by said universal bar in the stopped position of the latter.

2,353,187
TIRE AND WHEEL ASSEMBLY MACHINE
Albert H. Reriek, South Bend, and Earl B. Rausch, Bremen, Ind., assignors to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application June 19, 1942, Serial No. 447,728
9 Claims. (Cl. 29—34)



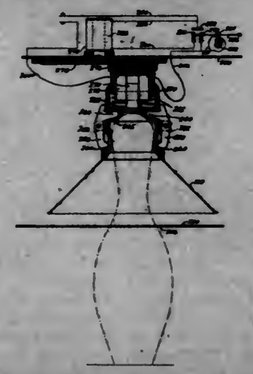
1. In a machine for assembling a tire locking ring to the rim of a wheel, the combination of a frame comprising a platform for supporting said wheel in a horizontal plane, a pair of rods mounted for vertical movement upon said frame above said platform and adapted to apply force vertically downwardly upon said ring to fit a portion thereof over a portion of said rim, a spider mounted for vertical movement upon said frame above said platform including a plurality of radially extending fingers adapted to engage said ring to apply force thereto vertically downwardly and radially thereof to fit the remainder of said ring over said rim, and a plurality of locating pins mounted for vertical sliding movement in said platform for engaging the inner periphery of said rim for positioning said wheel in a predetermined position with respect to said rods and said spider.

2,353,188
FUEL PUMP
Vernon D. Roosa, Ardsley, N. Y., assignor of one-fourth to Ernest J. Wilkens, Astoria, Long Island, N. Y.
Application April 26, 1941, Serial No. 390,492
20 Claims. (Cl. 103—5)



1. A fuel pump comprising, in combination, a casing having fuel inlet and outlet passages, a hollow cylinder rotatably mounted in said casing having fuel inlet and outlet passages adapted to connect at intervals during the rotation of said cylinder with the respective inlet and outlet passages of said casing to facilitate admission and discharge of fuel to and from the interior of said cylinder, means for continuously rotating said cylinder when the pump is in operation, adjustable valve means operatively connected with one of said fuel inlet passages for controlling the effective size thereof and the quantity of fuel entering the interior of said rotatable cylinder, a piston in said rotatable cylinder adapted to move downwardly a distance corresponding to the amount of the entering fuel charge, and means for moving said piston so as to discharge fuel through an outlet passage of said cylinder.

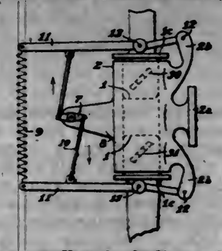
2,353,189
RESPOTTER MECHANISM
Rupert E. Rundell, Rockville Centre, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Original application October 16, 1940, Serial No. 361,271. Divided and this application December 8, 1942, Serial No. 468,207
13 Claims. (Cl. 273—42)



1. In a bowling pin setter, the combination with a support, of a funnel mounted on said support and having a limited horizontal movement

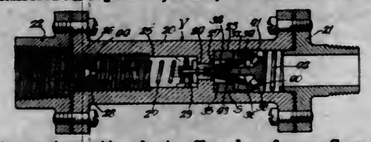
thereon permitting the same to be displaced by contact with an off-spot bowling pin on the bed of an alley into centered relationship therewith, grippers on said funnel adapted to grip a bowling pin within said funnel, and means for actuating said grippers to grip the end of a bowling pin within said funnel.

2,353,190
SCREW PROPELLER
Albert Rapp, Berlin-Sudende, Germany; vested in the Alien Property Custodian
Application October 4, 1938, Serial No. 233,270
In Germany October 13, 1937
3 Claims. (Cl. 170—160)



1. A screw propeller, including a hub having a driven side, a plurality of blades mounted in the hub and movable outwardly under centrifugal force to effect diametral adjustment of the propeller, a lever for each blade to resist such outward movement, each lever having a pivot in fixed relation to the hub and an arm projecting beyond the hub in a direction from the driven side of the hub, resilient loading means common to all levers, each lever having a part to exert an inward pressure on a part of a blade at the hub, and movement-transmitting elements connected each at one end to a lever arm beyond the hub and at the opposite end to a common element-equalizing member carried by a fixture projecting from the side of the hub remote from the driving side.

2,353,191
AUTOMATIC SHUTOFF VALVE
David Samiran, Fairfield, Ohio
Application August 6, 1941, Serial No. 405,675
12 Claims. (Cl. 137—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. An automatic shut-off valve for a flow line leading to a pressure operated device or the like, which is arranged to close when excess flow occurs between its inlet and its outlet resulting from failure of said flow line or pressure operated device or the like, comprising a valve body having a bore therethrough, one end of said bore constituting an inlet for said fluid under pressure and the other end thereof constituting an outlet, a valve seat in said bore facing the inlet end thereof, a hollow substantially cone-shaped shut-off element in said bore having a portion for coaction with said seat and having its base presenting an open end facing said inlet, the open end of said shut-off element having an outwardly flared flange, said bore having an enlarged part in which said flared flange of said shut-off element is normally positioned, said flared flange coacting with the wall of said enlarged part of said bore to close off the flow of fluid through said bore past the periphery of said shut-off element, spring means biasing said shut-off element to such normal position in which said portion that coacts with the seat is spaced from said seat, ports by-passing said shut-off element to permit a normal flow of fluid through said valve, said ports being of small capacity to introduce substantial resistance to the flow of fluid upon an abnormal drop in the pressure on the outlet side of said shut-off valve and thereby cause the fluid under pressure entering said valve body to move said shut-off element until its flared flange passes said ports and coacts with said enlarged part of said bore to thereby shut off the flow of fluid through said valve by way of said by-pass ports when the portion which coacts with said seat is seated, and ratchetlike teeth receiving said flared flange of said shut-off element and thereby preventing return movement of said shut-off element to its normal position by the bias of said spring, said shut-off element being compressible by the introduction of fluid under pressure to said outlet end of said bore to retract said flared flange from said ratchetlike teeth and permit movement of said shut-off element to its normal position for resetting purposes.

2,353,192
STABILIZED FUEL OIL COMPOSITION AND METHOD THEREOF
Edmund L. Sargent and Edward A. Oberright, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 21, 1942, Serial No. 427,592
13 Claims. (Cl. 44—62)

1. An improved distillate fuel oil composition comprising a distillate fuel oil having admixed therewith a minor proportion of a reaction product obtained by first interreacting an aliphatic aldehyde, an aliphatic polyamine, in which each amino group has at least one hydrogen atom, and an alkyl-substituted hydroxy aromatic compound, and then substituting the hydroxyl hydrogen in the condensation product thus obtained with metal.

2,353,193
RECOVERY OF METALLIC MAGNESIUM
Boyd R. Sayers, Alexandria, Va., assignor to the United States of America, as represented by the Secretary of the Interior
No Drawing. Application March 26, 1942, Serial No. 436,251
1 Claim. (Cl. 75—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

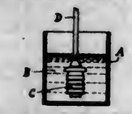
The process of condensing magnesium metal from a mixture of magnesium vapor and oxides of carbon produced at high temperatures which comprises introducing helium into such mixture at a temperature below the temperature of the mixture but above the melting temperature of the magnesium, and subjecting the resulting mixture including the helium and the condensing magnesium particles to a superponic wave, propagated through a medium comprising the said mixture, whereby to cause an agglomeration of liquescent magnesium particles and the production of metallic constituents comprising relatively large metallic agglomerates.

2,353,194
METHOD OF MAKING PLATEN ROLLS
John Q. Sherman and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman; Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner, executors of said John Q. Sherman, deceased
Original application November 29, 1935, Serial No. 52,169. Divided and this application October 22, 1938, Serial No. 236,591
7 Claims. (Cl. 18—59)



5. The herein described method of producing platen rolls for writing and imprinting apparatus wherein record material is progressively advanced coincident with step by step rotation of a platen roll having an uneven number of circumferentially spaced writing positions thereon, including severing a length of metal tubing longitudinally into unequal halves of cores and into lengths corresponding to the desired platen lengths, forming beveled edges along the longitudinal edges of the semi-cylindrical cores, securing to the convex surfaces of the cores cover strata of rubber with marginal extensions thereof overlapping the edges of the cores, vulcanizing the rubber cover strata, accurately grinding the marginal extensions thereof to coincide with radial planes of the semi-cylindrical unit, assembling two such units into a complete cylinder, and lastly, grinding the exterior face of the assembly to a smooth finished true cylindrical surface.

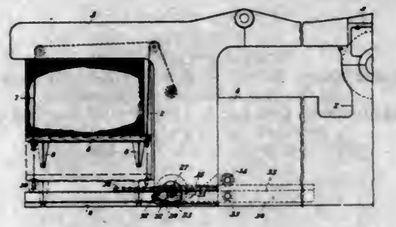
2,353,195
MIXING FLUIDS OF DIFFERENT TEMPERATURES AND DENSITIES
Alfred V. Sims, New York, N. Y.; Alfred William Sims, executor of said Alfred V. Sims, deceased
Application August 3, 1940, Serial No. 350,250
10 Claims. (Cl. 261—77)



1. A device for mixing fluids, adapted for immersion in a fluid bath, comprising in combination a plurality of flared petticoats each having a central opening and means for clamping said petticoats together including a central rod passing through said central openings, said openings forming a central passage for a stream of one fluid to be mixed and means for supplying said stream of fluid to said passage, said petticoats flaring outwardly in the direction opposite the flow of said stream and said petticoats having openings between them through which the immersing fluid may enter said stream.

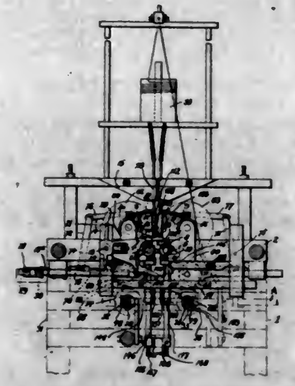
2,353,196
APPARATUS FOR HANDLING AND OPERATING ON MATERIAL
Joseph Sinkovitz, Pittsburgh, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application August 12, 1941, Serial No. 406,503
27 Claims. (Cl. 101—278)

1. Apparatus for handling and operating on material comprising an operating unit, a handling unit cooperable with the operating unit, the handling unit being movable bodily upon a floor relatively to the operating unit toward and from operative position with respect thereto, a guide rail on the floor at one side only of the handling unit for guiding the handling unit in its move-



ments relatively to the operating unit, the handling unit carrying a wheel at its opposite side directly engaging the floor, a guide beam projecting from the handling unit adjacent the second mentioned side thereof and means on the operating unit cooperating with said guide beam for additionally guiding the handling unit.

2,353,197
METHOD OF AND MEANS FOR THE PRODUCTION OF KNITTING BY MECHANICAL MEANS
Herbert Noel Smith and Elizabeth Ethel Smith, London, England
Application August 6, 1940, Serial No. 351,622
In Great Britain August 12, 1939
82 Claims. (Cl. 66—1)

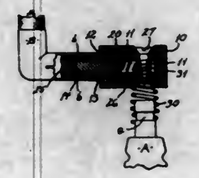


1. A knitting machine comprising a guard means adapted to hold open and guard a stitch therearound and having at least that part thereof around which the stitch is held of open structure, thread-engaging means, means for operating said thread-engaging means so as to cause said latter means in the formation of each stitch first to engage the thread and then to loop it through the old stitch whilst this is held open and protected by the guard means, said guard means being constructed to permit the lateral release of the new loop and means for accepting said loop.

2,353,198
COATED METAL
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application September 12, 1940, Serial No. 356,498
16 Claims. (Cl. 117—66)

13. A method for producing a coated can cover having sharply bent portions from metallic sheeting which comprises coating said sheet from which the can cover is to be formed with resinous copolymer of between 50% and 99% by weight on the undiluted basis of at least one cyclic conjugated diene selected from the group consisting of cyclopentadiene and alkyl cyclopentadiene with between 50% and 1% by weight on the undiluted basis of at least one aliphatic conjugated diolefine having less than 6 and more than 3 carbon atoms per molecule, drying said coating, cutting a blank of the desired shape from said sheeting, and die-drawing said coated blank to the desired can cover shape having said sharply bent portions.

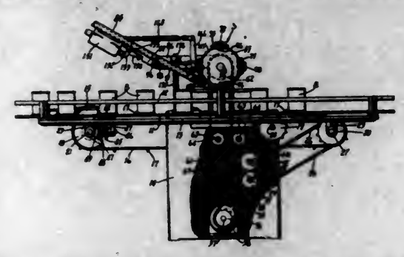
2,353,199
RESISTOR FOR SPARK PLUGS
Lester L. Stoffel, Lakewood, and Alfred A. Stark, Cleveland, Ohio, assignors to The Ohio Carbon Company, Cleveland, Ohio, a corporation of Ohio
Application December 12, 1941, Serial No. 422,752
11 Claims. (Cl. 201—63)



1. A resistor for spark plugs comprising a body, means carried thereby for attachment of a conductor, a resisting element in the body, a coiled spring secured at one end to the body and projecting therefrom in the form of a helix adapted to embrace the stem of the spark plug and a conductor in the body electrically connected at one end with the coiled spring and at the other end with the resisting element.

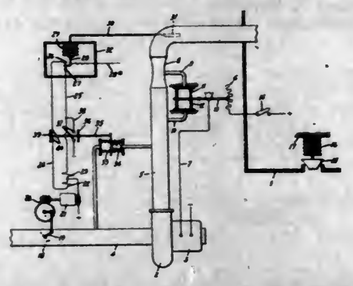
2,353,200
CAN CAPPING MACHINE
Knute Sundell, Waukegan, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 1, 1941, Serial No. 400,675
6 Claims. (Cl. 226—80)

1. In a container capping machine, the combination of a conveyor for advancing a container along a predetermined path of travel, an inclined chute disposed above the path of travel of the container, a chute extension hingedly connected to the lower end of said chute for supporting a cover for the container, a closing head traveling adjacent said chute extension for sweeping the cover onto a container passing thereunder and for pressing the cover down tight into sealing position on the container, and means operable when no container is in place to receive a cover for shifting said chute extension and the cover



carried thereon out of the reach of said closing head so that the cover will not be removed from the chute extension by the closing head.

2,353,201
AIRCRAFT CABIN SUPERCHARGER SYSTEM
Curtis G. Talbot, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 30, 1942, Serial No. 460,214
6 Claims. (Cl. 98—1.5)

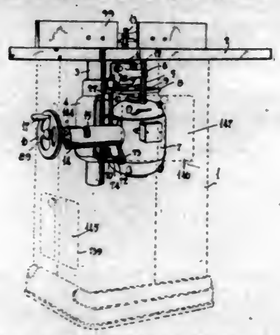


1. In combination, an enclosure, a compressor for supplying air to the enclosure, means responsive to the amount of air delivered by the compressor to the enclosure for regulating the speed of the compressor, throttling means in the compressor inlet, and means responsive to the temperature of the air delivered by the compressor to the enclosure for effecting opening movement of said throttling means upon increase in temperature and closing movement of said throttling means upon decrease in temperature for regulating the temperature of the air supplied by the compressor to the enclosure.

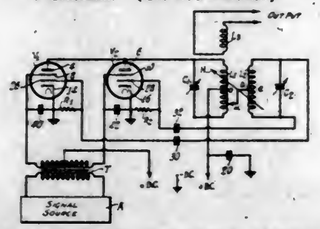
2,353,202
SHAPER
Herbert E. Tautz, Englewood, Colo., assignor, by mesne assignments, to Delta Manufacturing Company, Milwaukee, Wis., a partnership consisting of Marshall Field, Charles G. Cushing, and H. Campbell Stuckeman
Application June 10, 1941, Serial No. 397,488
14 Claims. (Cl. 144—134)

1. A shaper comprising a work table, means for supporting said table, a downwardly extending guide carried by said table, a carriage movable along said guide, means secured to the guide and including mechanism coacting with the carriage to move said carriage along the guide, additional means supported by the table and slidably engaging a portion of the carriage to provide

correct alinement of the carriage and table, a spindle carried by the carriage, a motor also carried by the carriage, pulleys on the motor and spindle, a belt connecting said pulleys and means for adjusting the tension of the belt.



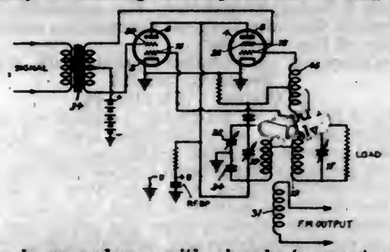
2,353,203
FREQUENCY MODULATOR
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 27, 1942, Serial No. 440,595
7 Claims. (Cl. 179—171.5)



1. In a wave length modulation system, a pair of electron discharge devices each having input and output electrodes, two circuits parallel tuned to the same frequency, inductive and conductive couplings between said two circuits, connections including one of said tuned circuits coupling the input electrodes of said devices in pushpull relation, connections including the other of said tuned circuits coupling the output electrodes of said devices in parallel relation, and connections for modulating the impedances of said devices in accordance with signals.

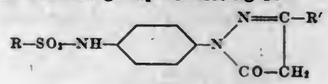
2,353,204
WAVE LENGTH MODULATION
Stuart W. Seeley, Roslyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 15, 1942, Serial No. 462,069
17 Claims. (Cl. 179—171.5)

1. In a system of the class described, a pair of electron discharge devices each having input and output electrodes, a parallel tuned regenerative circuit coupling the input electrodes to the output electrodes in such a manner that voltages of substantially opposed phase are set up on the input and output electrodes, a differential coupling between said input and output electrodes for producing similar differential voltages which are substantially in phase quadrature with respect to said first mentioned voltages and substantially cancel in the presence of equal amplifications in said devices, and means for differentially modulating the amplification of said devices in accordance with signals to upset said balance and apply resulting phase quadrature voltages to said input electrodes.

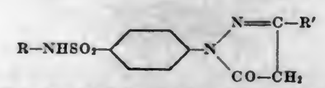


2,353,205
COLOR-FORMING COMPOUND CONTAINING SULPHONAMIDE GROUPS
Paul W. Vittum, Willard D. Peterson, and Henry D. Porter, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. J., a corporation of New Jersey
No Drawing. Application July 26, 1941, Serial No. 404,236. In Great Britain March 21, 1939
7 Claims. (Cl. 95—6)

1. A color-forming photographic developer comprising a primary aromatic amino developing agent and a coupler compound having a formula selected from the group consisting of

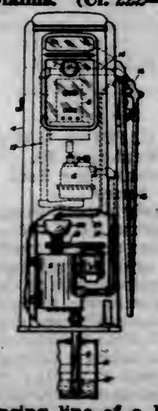


and



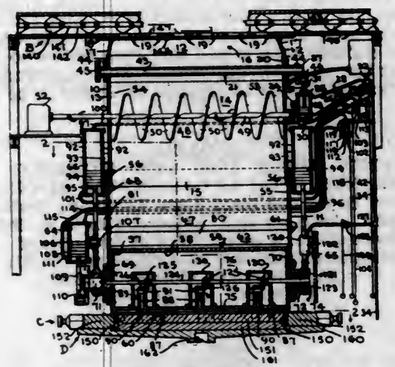
where R is selected from the group consisting of alkyl and aryl radicals and R′ is an alkyl radical.

2,353,206
LIQUID DISPENSING DEVICE
Paul E. Waugh, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind., a corporation of Indiana
Application July 1, 1939, Serial No. 282,543
20 Claims. (Cl. 222—72)



1. In a dispensing line of a liquid dispenser, means connected in series in said line forming a liquid and gas separation chamber, means for pumping liquid to be dispensed through said line and into said chamber, said separation chamber having a constantly open orifice to atmosphere, whereby the pressure of said pumping means tends to force liquid being dispensed and gas therein through said orifice, centrifugal pumping means disposed in said separation chamber and associated with said orifice and adapted to centrifuge the liquid tending to pass outwardly through said orifice, away from said orifice while permitting the free passage of gas therethrough.

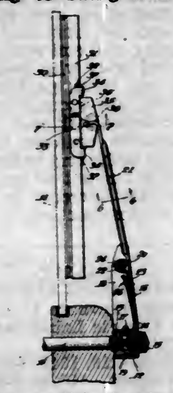
2,353,207
FLASK CHARGING AND MOLDING MACHINE
Edward H. Whittaker, Jersey City, N. J.
Original application July 9, 1941, Serial No. 401,651. Divided and this application April 16, 1943, Serial No. 483,294
12 Claims. (Cl. 22—35)



1. A flask charging and molding machine for cooperation with a flask and pattern carrier, a stationary unit above said carrier including a hopper section, a measuring section, a distributing section and a spout for the sand; a vertically movable unit intermediate said stationary unit and carrier including a sleeve in telescopic relation with said spout; and a movable frame supported by said movable unit, carrying a sand frame, a tamping head and a leveling mechanism, any one of which may be disposed in operative relation to the flask.

2,353,208
WINDSHIELD WIPER
John B. Whitted, Evanston, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 4, 1942, Serial No. 449,753
8 Claims. (Cl. 15—250)

1. In a windshield wiper, an actuating arm of two members pivotally connected, one member being formed from a flat strip with a portion at one end operatively engaged with a wiper blade and with a portion at the other end formed with a U-shaped bend curved to fit partially around a pivot carried by the other member, together with spring means pressing said U-shaped part into engagement with such pivot and also tending to swing said one member about the pivot in a direction to press its opposite end forcibly against the wiper blade.



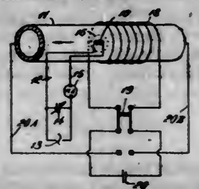
2,353,209
DIACETONE COMPOSITION
Sophia O. Williams, Chicago, Ill.
No Drawing. Application March 5, 1941, Serial No. 381,895
8 Claims. (Cl. 252—73)

1. A composition of matter comprising an aqueous system including diacetone and a pH buffering agent in sufficient quantity to produce a pH not substantially above 7.8.

2,353,210
NONCORROSIVE DIACETONE COMPOSITION
Sophia O. Williams, Chicago, Ill.
No Drawing. Application April 12, 1941, Serial No. 388,347
10 Claims. (Cl. 252—73)

1. A composition of matter comprising an aqueous system including diacetone and a pH buffering agent in sufficient quantity to produce a pH not substantially above 7.8 and containing a small proportion of an organic corrosion inhibitor.

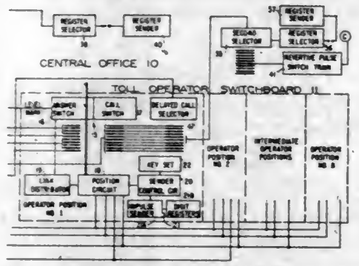
2,353,211
ELECTRICAL ANALYSIS
Theodor Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application May 13, 1940, Serial No. 334,790
3 Claims. (Cl. 175—183)



1. In a method of electrical analysis of an elongated metallic body having a longitudinal axis, the improvement which comprises, inducing eddy currents in only a small portion at a time of the cross-sectional area of said body by disposing said body in inductive relationship with a coil of the non-closed core type of which the effective area is small in relation to the cross-

sectional area of said body to be analyzed, positioning said coil with its axis parallel to the axis of said body and other than coaxial with said body, spacing said coil from said body by a short air gap, energizing said coil with alternating current, moving said body with respect to said coil so that contiguous small portions of cross section of said body are successively brought into inductive relationship with said coil while maintaining substantially uniform spacing between said coil and said body, and indicating variations in the alternating current in said coil caused by a difference in eddy currents in said contiguous small portions of cross-section.

2,353,212
TELEPHONE SYSTEM
Harvey W. Balzer, Downers Grove, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application October 19, 1942, Serial No. 462,543
90 Claims. (Cl. 179—27)



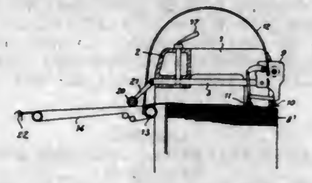
1. In a telephone system which comprises an operator switchboard and automatic switching apparatus having tandem related switching stages and operative to extend connections from said switchboard to selected lines and trunks of the system when switch directing signals are transmitted thereto, register means controllable from said switchboard to register a plurality of digits designating one of said lines or trunks, means controlled by said register means for transmitting to said apparatus switch directing signals which correspond to the digits registered in said register means, and means controllable from an intermediate one of said switching stages for automatically releasing said register means before the signals corresponding to all of the digits registered in said register means have been transmitted by said signal transmitting means.

2,353,213
REACTION TESTING MECHANISM
Claude C. Bennett, South Bend, Ind.
Application June 12, 1941, Serial No. 397,734
13 Claims. (Cl. 35—11)



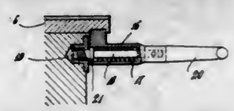
1. In a reaction testing device, a pair of spaced runways having driving and steerable wheel supporting means to receive the steerable wheels of a motor vehicle, a screen positioned forwardly of the runways, a laterally extending track, a motion picture projector mounted for lateral movement on the track relative to the screen, and means actuated by the steerable wheel supporting means to control the motion picture projector.

2,353,214
AUTOMATIC BLANK FEEDER
Henri Bobst, Lausanne, Switzerland
Application September 17, 1941, Serial No. 411,143
In Switzerland October 8, 1940
5 Claims. (Cl. 271—11)



1. In an automatic blank feeder having support means, the combination of a frame including a stationary transversely arranged girder-like member located so as to overlie in spaced relation the front of a stack of blanks to be fed, at least one rod extending slidably in the feeding direction through said member substantially perpendicularly to the axis thereof, a casing attached to the rear extremity of said rod and blank separating devices carried by said casing and slidable with it and said rod relative to said member to allow adjustment of the separating devices according to the size of blanks to be fed.

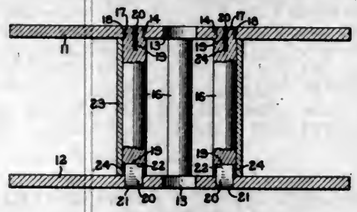
2,353,215
PLATEN PRESS FOR THE WORKING OF BLANKS, SUCH AS CARDBOARD BLANKS
Henri Bobst and Josef Küry, Lausanne, Switzerland, assignors to J. Bobst & Fils S. A., Prilly, Switzerland, a corporation of Switzerland
Application September 17, 1941, Serial No. 411,145
In Switzerland October 9, 1940
2 Claims. (Cl. 101—384)



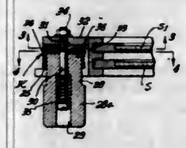
1. In a press for working cardboard blanks and the like having platens one of which is movable towards and from the other and a blank working tool movable into and out of position between said platens, the provision of means for securing said tool in proper relation to said platens and for facilitating its removal from between said platens, said means comprising an interiorly threaded cavity in one of said platens, a hollow sleeve having a part fixedly connected to said tool, a plunger in said sleeve having an exteriorly threaded extremity engageable with the interiorly threaded cavity in said platen, a collar on said plunger and a spring arranged between said collar and the end of said sleeve and adapted to be compressed upon unscrewing movement of said plunger.

2,353,216
SPOOL STRUCTURE
William H. Bodden, York, Pa.
Application July 6, 1943, Serial No. 493,638
2 Claims. (Cl. 242—118)

1. A spool structure comprising a plurality of tie bars having reduced ends forming shoulders, head structures having openings formed therein for receiving the reduced ends of said tie bars, a slot formed lengthwise in each end of each tie bar, each said slot having a length equal substantially to twice the length of the reduced end of the tie bar, and a wedge driven into the slotted end of each tie bar to secure the tie bars to said head structures, each wedge having a width equal substantially to the width of the reduced tie bar end and a thickened end and sloping to a thin edge at the other end, the thickness of the thick end of said wedge being greater than the width of said tie bar slot so that the wedge spreads the slotted end of each tie bar tightly into engagement with the wall of each head structure opening.



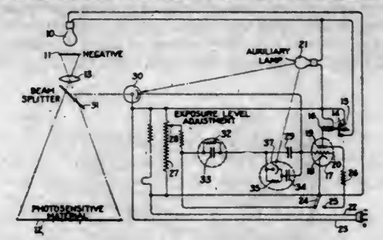
2,353,217
ADJUSTING MECHANISM FOR WINDOW SASHES
Arthur B. Brown, Inglewood, Calif.
Application March 22, 1943, Serial No. 479,971
2 Claims. (Cl. 268—129)



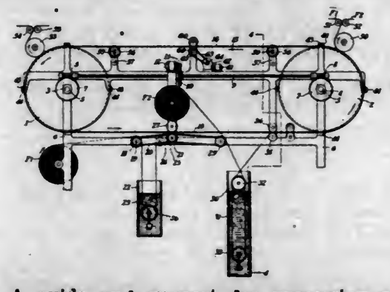
1. In combination, a window frame, a sash slideable in said frame, a mechanism for adjusting said sash vertically in said frame, comprising a cord connected at one end to said sash, pulleys for movably supporting said cord across the upper edge of said frame and down one edge of the latter, and a reel rotatably mounted on said frame, said cord at its other end being secured to and coiled about said reel, a bolt for rotatably supporting said reel on said frame, a clutch plate threaded on said bolt and engaging the frame to prevent rotation thereof, a second clutch plate secured to said reel, and a spring mounted on said bolt for urging said reel toward the first clutch plate so as to cause a second clutch plate to engage the former and secure the reel against rotation.

2,353,218
PHOTOGRAPHIC PRINTING APPARATUS
Bradshaw Burnham and Eben Hoag, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 14, 1941, Serial No. 383,376
6 Claims. (Cl. 88—24)

1. In a photographic printer in which means responsive to a predetermined voltage across a condenser terminates a printing exposure, means providing a discharge path for the condenser and having a resistance corresponding to the average transmission of the record being printed, means for starting an exposure with a predetermined voltage across the condenser, and means connected in shunt relation with the condenser for decreasing the rate of discharge of the condenser faster than the resistance of the discharge path increases.



2,353,219
FILM PROCESSING MACHINE
John G. Capstaff, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 6, 1941, Serial No. 418,051
16 Claims. (Cl. 271—2.1)



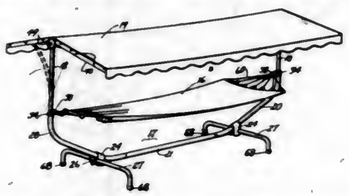
1. A guide and support for processing machines including a cylinder adapted to support a belt, a plurality of annular slots formed in the cylinder, a base for supporting the cylinder, supporting arms carried by the base, spaced about the cylinder and extending axially of the cylinder near the periphery thereof, edge guide members carried by the supporting arms in a pattern forming a spiral and extending into the slots to define a path for said belt lying on said cylinder, and means carried by the supporting arms for mounting the edge guides in selected positions.

8. A guide and support for processing machines including a pair of spaced cylinders, a plurality of annular grooves in each cylinder, an endless belt looped about each cylinder in a spiral path, and means for defining the spiral path for the belt on each cylinder comprising supporting arms spaced about each cylinder and carrying edge guides extending into selected annular grooves of each cylinder.

2,353,220
CANOPY HAMMOCK
Elliott Charlop, New York, N. Y.
Application February 1, 1940, Serial No. 316,736
4 Claims. (Cl. 5—128)

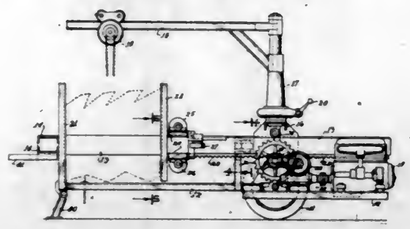
2. A support for a canopy hammock comprising a substantially U-shaped frame having tubular upwardly extending parts at its ends, a base for said frame, a closure for the top of each of said parts, said closure consisting of a cap having a web portion and a sleeve portion which fits

over a part, a bar at the upper end of each part, at least one of said bars being a spring bar, each bar having its lower end removably inserted through an opening provided in said web and extending well into the inside of a part, means for attaching a canopy at each end to the upper



end of one of said bars, hooks for holding the ends of a hammock, each hook having a downwardly extending arm removably inserted through an opening in said web and extending well into the inside of a part, said latter opening being provided in the web of each cap in addition to the opening provided for the bar.

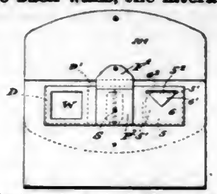
2,353,221
AUTO BODY WRECKING PRESS
Percy Clifton, Union City, and Ernest Christian Keseler, Carlstad, N. J.
Application April 14, 1943, Serial No. 483,052
2 Claims. (Cl. 153—10)



1. An automobile body wrecking press of the character described, comprising a set of truck wheels; a heavy frame chassis mounted on said wheels; a combustion engine mounted on said chassis; a ram slidably mounted, centrally and longitudinally on said frame chassis; a plurality of reduction gears connecting said ram to said combustion engine; a cross member carried by the forward end of said ram; a plurality of rollers mounted on both ends of said cross member, said rollers being in operable engagement with said chassis frame; a plurality of uprights fastened to said cross member, and a plurality of uprights fastened to said chassis frame on its forward end whereby automobile bodies may be placed between said uprights and salvaged substantially as described.

2,353,222
PURSE, HANDBAG, OR THE LIKE
Augusta P. Coolbroth, Springfield, Mass.
Application December 13, 1941, Serial No. 422,861
2 Claims. (Cl. 150—28)

1. A handbag comprising a side wall, a panel secured to said side wall along its side and bottom edges, said panel being slotted vertically on its median line, a member extending downwardly from the bottom of said panel and being folded on said bottom line up over said panel said member being folded transversely to define a front wall and two back walls, the lateral ends of said

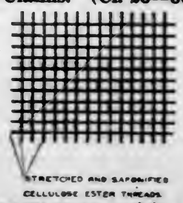


back walls being inserted through said slot in said panel and secured to the inner surface thereof.

2,353,223
PURIFICATION OF STYRENE STILL BOTTOMS
Frank W. Corkery, Crafton, and Samuel G. Burroughs, Pittsburgh, Pa., assignors to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsylvania
No Drawing. Application July 17, 1943, Serial No. 495,218
2 Claims. (Cl. 260—91)

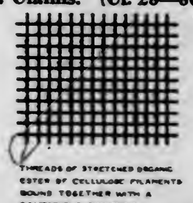
1. The herein described method of purifying "styrene still bottoms" resulting from the distillation of styrene synthetically produced by dehydrogenation of ethyl-benzene, by bringing the said "still bottoms" into reactive contact with an alkali sulphide to convert its initial content of sulphur and sulphur compounds into polysulphides and separating the said polysulphides from the purified "still bottoms" by water washing.

2,353,224
SCREEN
Camille Dreyfus, New York, N. Y.
Application August 4, 1942, Serial No. 453,570
8 Claims. (Cl. 28—80)



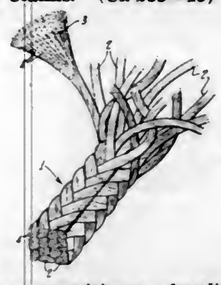
1. A window screen comprising an open mesh fabric containing yarns, filaments or threads of heavy denier regenerated cellulose prepared by stretching yarns, filaments or threads having a basis of an organic ester of cellulose, and saponifying said stretched materials.

2,353,225
WINDOW SCREEN
Camille Dreyfus, New York, N. Y.
Application April 30, 1943, Serial No. 485,165
7 Claims. (Cl. 28—80)



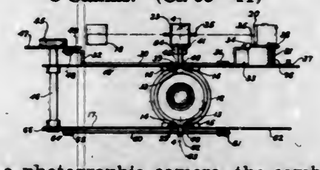
1. A window screen of an open mesh fabric containing smooth composite threads of heavy denier formed of a plurality of stretched filaments having a basis of an organic ester of cellulose bound together substantially along the length thereof with a compatible compound.

2,353,226
METALLIC PACKING
James Driscoll, Plainfield, and Walter M. De Witt, Sr., Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application July 15, 1941, Serial No. 402,500
3 Claims. (Cl. 288—15)



1. A packing comprising a plurality of interrelated cords each of said cords being formed of a resilient, knitted, metal fabric composed of thin, narrow, metal ribbons and compacted into cord form.

2,353,227
CAMERA ADJUSTING MECHANISM
Henry O. Drotning, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 26, 1942, Serial No. 459,855
8 Claims. (Cl. 95—44)



1. In a photographic camera, the combination with an axially movable objective lens barrel, a coincidence range finder comprising a pivoted ray deflecting mirror and a tiltable view finder all mounted on said camera, of a single lever pivoted on said camera and operatively connected to said barrel said mirror and said finder, an adjusting member independent of said barrel and connected directly to said lever to pivot the latter to move simultaneously said barrel axially for focusing, to pivot said mirror to adjust said range finder in accordance with the axial movement of said barrel and to tilt said view finder to compensate for parallax between said finder and said lens barrel, and cooperating means on said adjusting member and said camera to indicate the focusing adjustment.

2,353,228
POLYSTYRENE MOLDING COMPOSITION
Frederick W. Dueca, Butler, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 1, 1941, Serial No. 405,078
7 Claims. (Cl. 260—36)

1. A resinous molding composition essentially comprising polystyrene containing a lubricant consisting of polyalkylene oxide of an average molecular weight greater than about 400, the said polyalkylene oxide being present in the small amount sufficient to cause the composition to release easily from a mold but not deleteriously affect the molding characteristics of the composition.

2,353,229
HYDROGENATION OF OIL
Maurice M. Durkee, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application October 3, 1941, Serial No. 413,484
6 Claims. (Cl. 260—409)

1. The process of producing a non-reverting comestible soybean oil by selective hydrogenation, which comprises in combination, treating said oil in an hydrogenator with a nickel catalyst in an amount not greater than 0.02 per cent by weight of the oil, agitating the treated oil at a rate suitable to prevent spraying, creating a vacuum in said hydrogenator above the level of the oil, applying heat to the oil and maintaining the vacuum to prevent oxidation of the oil until said oil has reached a temperature of about 130° C., introducing a stream of hydrogen into the hydrogenator above the surface of the oil at a pressure of at least 5 pounds to increase the temperature of the oil not exceeding 180° C., and maintaining said conditions for at least 3 hours until an iodine value not less than 125 for said oil is attained.

2,353,230
CONDITIONING OF DRILLING FLUIDS
Allen D. Garrison and Karl C. ten Brink, Houston, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 1, 1939, Serial No. 282,444
11 Claims. (Cl. 252—8.5)

1. The method of conditioning a drilling mud comprising an aqueous dispersion of clay to control the viscosity and other properties thereof during the circulation of the mud for well drilling through clay and shale which tend to deflocculate and accumulate in an alkaline mud stream to thereby objectionably increase the viscosity of the circulating mud, which comprises adding to the drilling mud an alkali metal silicate in a proportion to give an initial viscosity reduction but which would normally raise the pH of the mud above about 8.5 and thereby tend to increase the rate of deflocculation of the clay and shale into the mud stream and offset the said initial viscosity reduction, and also adding an acid-reacting material selected from the group consisting of carbon dioxide and a phosphoric acid to the mud stream in a controlled manner to maintain the pH of the circulating mud stream within the range of about 7.5 to 8.5 in the presence of the added alkali metal silicate.

2,353,231
ENGINE
Earl Ginn, North Muskegon, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application October 9, 1941, Serial No. 414,273
9 Claims. (Cl. 123—195)

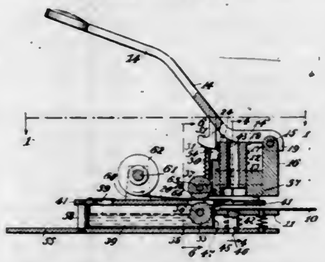
1. An engine structure comprising a gear case, means carried thereby for securing the gear case

to an engine cylinder block, and a pump housing structure having water inlet and outlet connections, a web integrally connecting said pump housing with said gear case, said pump housing



projecting upwardly from said gear case and aligned substantially in the plane of the gear case, one of said pump housing connections partially overlying said web and attached integrally to the said gear case.

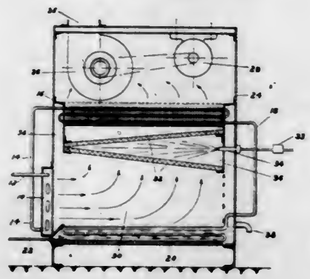
2,353,232
PUNCHING AND REINFORCING DEVICE
Harry Joseph Greene, Ottawa, Kans.
Application November 5, 1940, Serial No. 364,375
10 Claims. (Cl. 93—1)



1. In a reinforcing device a hollow plunger having an outer cutting edge, a cooperating cutting edge to cut out a reinforcing disc, an inner cutting edge on the plunger, and a second cutting edge to cooperate with the inner cutting edge to cut an opening in the disc, and simultaneously cut the opening in the work sheet, and a device for trimming off waste.

2. In a device of the class described, the combination of a support including a cutting die opening to underlie an adhesive web to be advanced intermittently across said opening, a reciprocable plunger die means including a cutting edge and a pressing face to enter the die opening, thereby to punch a patch from the web and advance the patch through the opening and onto a work sheet poised beneath the cutting die opening, an actuator for reciprocating the plunger die means, and web advancing means including a movable web contacting member, a quick-action spring drive means for said web contacting member, means operative to energize the spring drive means upon movement of the plunger die in one direction relative to the cutting die opening, means latching the spring drive means in the energized condition, and means operative upon initial advancement of the plunger die toward the work sheet, for tripping the latching means and thereby placing the web advancing means under the influence of the spring drive means to advance the web independently of the plunger die advancing movement.

2,353,233
HEAT EXCHANGER
Ernest Gygax, St. Louis, Mo., assignor to Curtis Manufacturing Company, Wellston, Mo., a corporation of Missouri
Application June 4, 1941, Serial No. 396,492
2 Claims. (Cl. 261—105)

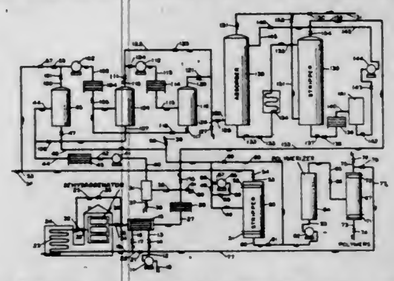


2. A humidifying device that comprises a liquid spray device, a plurality of porous members that are associated to form a V having a horizontally disposed axis, and gas-directing members, said porous members abutting each other at the substantially horizontal apex of said V to form a substantially liquid tight end for said humidifying device, said porous members having pores large enough to permit the passage of a gas stream therethrough but small enough to retain liquid sprayed onto said porous members, said liquid spray device being positioned adjacent the open end of said V and being positioned at the approximate level of the apex of said V, said spray device being arranged to spray liquid into the atmosphere in said V and onto the inner surfaces of said porous members in a generally horizontal direction, said gas-directing members defining a gas flow path through the lower porous member, through the space within said V and then through the upper porous member, said device being arranged to bring said liquid into contact with said gas stream and thereby humidify said gas stream and to eliminate entrained droplets from said gas stream.

2,353,234
PRODUCTION OF MOTOR FUEL
Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 1, 1940, Serial No. 327,301
12 Claims. (Cl. 260—683.1)

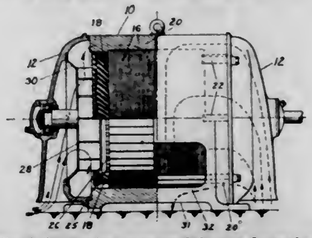
1. In a process for the production of normally liquid hydrocarbons, the steps which comprise removing from the effluent of a first hydrocarbon conversion process a normally gaseous mixture containing hydrocarbons to be converted in a second conversion process to higher molecular weight hydrocarbons and having not less than two nor more than five carbon atoms per molecule along with material lower boiling than C_2 hydrocarbons, cooling said mixture to condense at least a portion of the higher boiling constituents and passing said cooled mixture to the first of a series of at least two vapor-liquid separators, removing uncondensed vapors from said first separator and compressing and cooling said vapors to condense at least a portion of the higher boiling constituents and passing said compressed and cooled material to a second vapor-liquid separator, separating the condensed liquid from said second separator and introducing it into said first separator, removing uncondensed vapors from the last of said series of separators and passing said vapors in an absorption step in countercurrent direct contact with an absorption oil to form a rich oil and a lean gas comprised substantially of said material lower boiling than C_2 hydrocarbons, passing said rich oil at a higher temperature and a lower pressure to a vapor-liquid separator to remove therefrom absorbed hydrocarbons, mixing absorbed hydrocarbons so removed with said normally gaseous mixture passed to said first separator, removing the condensed liquid from said first separator and passing said liquid to a conversion step to convert hydrocarbons contained therein into hydrocarbons of higher molecular weight.

9. A process for the separation of a liquid hydrocarbon material from a normally gaseous mixture, which comprises passing a normally gaseous mixture containing a substantial proportion both of heavier hydrocarbons and of lighter material to



the first of a series of at least two vapor-liquid separators at a pressure and temperature such that a substantial portion of heavier normally gaseous hydrocarbons are in liquid phase, from each of said separators except the last removing uncondensed vapors and further compressing and subsequently cooling the same to condense at least a portion of the higher boiling constituents thereof and passing each said compressed and cooled mixture to a subsequent separator in said series, from each of said separators except the first removing a condensed liquid and introducing each liquid into the immediately previous separator, removing uncondensed vapors from the last of said series of separators and passing said vapors in an absorption step without substantial reduction in pressure in countercurrent direct contact with an absorption oil to form a rich oil and a lean gas comprised substantially of said material lower boiling than C_2 hydrocarbons, passing said rich oil at a higher temperature and a lower pressure to a vapor-liquid separator to remove therefrom absorbed hydrocarbons as vapors, mixing vapors so formed with said normally gaseous mixture passed to said first separator, removing from said first separator condensed liquid and passing said liquid to a fractionating column, removing vapors from the top of said fractionating column and mixing said vapors with vapors passing from the aforesaid first separator, and removing from a low point of said fractionating column a liquid hydrocarbon material as a product of said separation.

2,353,235
ELECTRIC MOTOR
James L. Hamilton, Kirkwood, Mo., assignor to Century Electric Company, St. Louis, Mo., a corporation of Missouri
Application March 4, 1942, Serial No. 433,248
4 Claims. (Cl. 172—36)

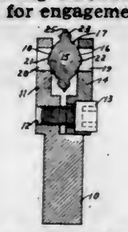


1. An electric motor comprising a housing having a substantially cylindrical recess therein, a plurality of supporting members on the surface of said recess that extend axially inward from opposite ends of said recess, a stator supported in said housing by said supporting members, said stator comprising a plurality of annular pieces of sheet metal and being positioned in said recess so the pieces of metal extend transversely of said recess, said members being dimensioned so the inwardly extending ends of the members at the opposite ends of the recess are spaced apart a distance slightly less than the axial length of said stator, a number of said members being provided with recesses that receive a small portion of the end and the periphery of said stator, other of members having portions that receive a small portion of the periphery of said stator, said other members being provided with locking ring recesses adjacent said periphery-receiving portions, a rotor positioned in the said stator that has a pair of air-moving means thereon which are rotatable with the rotor, and openings in said housing for inlet and outlet of air, said supporting members overlying only a portion of said stator and being arranged to form a plurality of short axial air passages and at least one circumferential air passage between the surface of said recess and the outer periphery of said stator, said axial passages being in communication with the said circumferential passage, said circumferential passage being approximately medial of the housing, said motor being arranged so air is drawn into the housing through said inlet by said air moving means, is moved axially inward of the recess from both ends thereof, and is then moved circumferentially along substantially all of the width of the outer periphery of the pieces of metal forming the stator to the outlets in the housing.

2,353,236
DIAMOND TOOL
Donald R. Hammill and Louis Small, Detroit, Mich., assignors to Service Diamond Tool Company, Ferndale, Mich., a corporation of Michigan
Application March 10, 1943, Serial No. 478,604
6 Claims. (Cl. 125—39)

1. A tool for dressing an abrasive grinding wheel and comprising a shank, a clamp on one end thereof comprising a fixed clamping arm, a removable clamping arm associated therewith and held in adjusted clamping position by an adjustable set screw, and a diamond set member removably held in an adjusted position in said clamp, said fixed clamping arm and the said removable clamping arm having aligned openings in which a diamond set member is adjustably

mounted, said diamond set member comprising a body portion having substantially hemispherical sides adapted for engagement in said aligned



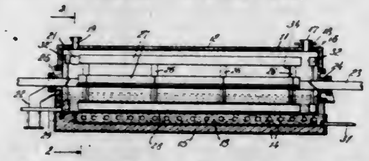
openings to form an adjustable universal swivelling connection between said member and said clamp.

2,353,237

METHOD FOR CARRYING OUT FUSION REACTIONS

John M. Harris, Jr., Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York

Application June 20, 1941, Serial No. 399,028
4 Claims. (Cl. 260—628)



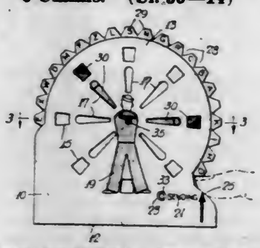
1. The method for continuously carrying out a fusion reaction between an aromatic sulfonate and an alkali metal hydroxide, which comprises introducing the reactant materials into a reaction zone and causing them to flow therethrough in a substantially horizontal direction, while agitating the fused reaction mixture in a direction substantially perpendicular to the direction of flow but avoiding substantial disturbance along the direction of flow, so that throughout any section of the reaction mixture taken in a direction at right angles to the direction of flow the reaction mixture is substantially homogeneous, but along the direction of flow the composition of the reaction mixture varies continuously from unreacted material at the point of introduction of said reactants to substantially completely reacted material at a point where the product of the reaction leaves said reaction zone.

2,353,238

EDUCATIONAL DEVICE

John V. Horr, North Tarrytown, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware

Application November 30, 1943, Serial No. 512,293
6 Claims. (Cl. 35—14)



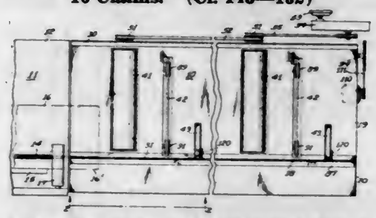
1. An educational device for teaching code signaling comprising a panel having apertures and a circular edge portion, a circular disk mounted for rotation beneath said panel and concentric with said edge portion, indicia on said disk arranged to register successively with said apertures as said disk is rotated, said disk having a border projecting beyond the periphery of the panel throughout at least half of the circumference of the disk and provided with a series of notches each of which affords a finger grip by means of which said disk may be rotated, an abutment on the panel positioned to be encountered by the finger to limit each act of rotation, and alphabet markings on said border arranged to correspond, respectively, with the indicia registering with said apertures at the instant of said encounter, said disk having the major portion of the alphabet exposed on the projecting border thereof.

2,353,239

LUMBER HANDLING TABLE

Gerry A. Horstkotte, Bend, Oreg.

Application February 20, 1942, Serial No. 431,727
16 Claims. (Cl. 143—132)



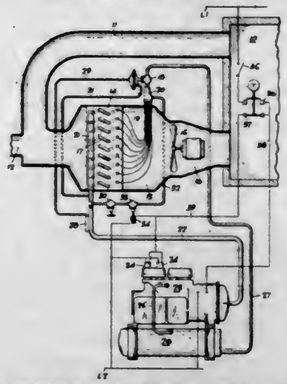
1. A lumber handling table comprising a support, an elongated top including a longitudinal edge portion on said support, a pivotal mounting for said edge portion on said support, biasing means connected to said edge portion urging it to a horizontal position, and means adapted to be controlled by the operator for tilting said edge portion for unloading a strip of lumber fed thereupon.

2,353,240

AIR CONDITIONING APPARATUS

Leroy Gale Huggins, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 3, 1940, Serial No. 350,547
11 Claims. (Cl. 62—8)



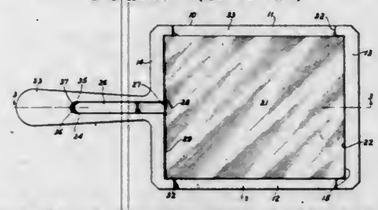
1. In a refrigerating system, the combination of an evaporator, a thermostatic expansion valve operating to regulate the flow of refrigerant to said evaporator in response to the superheat of the vaporized refrigerant leaving the same and including an element responsive to the temperature of said leaving refrigerant, means providing restricted flow of liquid refrigerant from a portion of the refrigerant circuit containing liquid refrigerant at a pressure substantially higher than the refrigerant pressure within the evaporator and utilizing said restricted flow of liquid refrigerant to reduce the temperature to which said element is subjected, whereby said valve restricts the flow of refrigerant to said evaporator and the portion of the evaporator containing liquid refrigerant is reduced, and means for controlling said restricted flow.

2,353,241

FILM HOLDER FOR PHOTOGRAPHIC ENLARGERS

Carter J. Hughey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 26, 1942, Serial No. 459,788
3 Claims. (Cl. 88—24)



1. A film holder for photographic enlargers comprising, in combination, a flat frame formed with a central aperture, a pair of film clamping members carried by said frame and extending across said aperture and hingedly connected along one edge of said aperture, aligned recesses found on opposite edges of said frame adjacent said one edge to facilitate the insertion of a film strip between said members, a handle formed at another edge of said frame opposite said one edge, a lever pivoted on said handle, a portion of said lever positioned under one of said members and adjacent said other edge and arranged to engage and move said one member to separate said members to facilitate the positioning of a film therebetween when said lever is moved in one direction, the movement of the lever in the opposite direction serving to move said portion to allow said one member to move toward the other member and to cooperate therewith to clamp the film therebetween, and cooperating means on said handle and said lever to hold the latter when it has been moved in said one direction to retain the members in separated position.

2,353,242

HIGH-TENSION FUSE ASSEMBLY AND HEATER THEREFOR

Tomlinson F. Johnson, Atlanta, Ga.

Application September 24, 1942, Serial No. 459,567
3 Claims. (Cl. 200—127)

1. In a high tension, expulsion fuse assembly of the character described, wherein a fusible link is located near the upper end of an insulating tube and a long, flexible lead wire, constituting the current conductor, is connected to the fusible element and extends through the lower end of the tube so that it is exposed to the corrosive action of corona and moist air within the tube, an electric heater element associated with said lead wire at a distance from the fuse link utilizing current derived from the lead wire to heat it slightly within the confines of the tube and serving the sole purpose of preventing water of condensation



from collecting on and corroding the lead wire, without influencing the rupture of the fusible link due to an over-load.

2,353,243

METHOD OF MAKING CELLULOSE POWDER

Julius Kent, New York, N. Y., assignor to Kent Chemical Corporation, a corporation of Delaware

No Drawing. Application June 18, 1941, Serial No. 398,675
3 Claims. (Cl. 260—212)

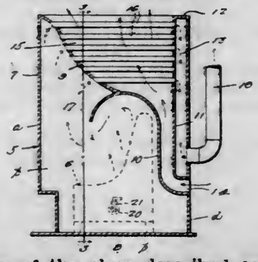
1. Method of making a highly absorptive antiseptic powder comprising the steps of steeping fibrous cellulose material in a solution of orthoboric acid, drying the steeped material at a temperature of between 80° and 140° C. and grinding the dried material.

2,353,244

HOOD FOR STOVES

Lynn C. Kester, Hereford, Tex.

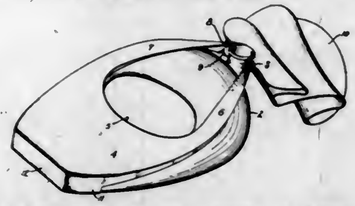
Application May 25, 1942, Serial No. 444,440
1 Claim. (Cl. 126—90)



A device of the class described comprising a substantially rectangular shell adapted to be disposed over a gas heater and having front, back and side walls, respectively, the top wall of the shell being open, and the back wall of said shell having an air inlet opening therein adjacent the bottom thereof, said back wall above said opening being of double construction to form therein a closed down-take chamber at the back of said shell for the escape of products of combustion, an inner back wall in said shell extending from the bottom of said opening forwardly and then upwardly and terminating in a curved hood for overhanging the heater, said inner back wall forming with the double construction back wall an air uptake flue in front of said downtake chamber, an upper inner wall in said shell slanting upwardly and forwardly from said hood to the

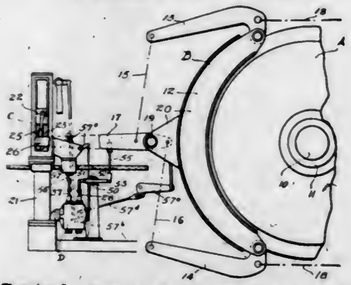
top edge of the front wall, said upper inner wall forming with said front, side and back walls a closed heating chamber enveloping the heater, said upper inner wall forming together with the double construction back wall and said side walls an upwardly flaring air outlet for said uptake flue, flue pipes in said air outlet establishing communication between said closed chamber and said downtake chamber, and an outlet flue at the bottom of said downtake chamber, and an air inlet in said shell for said heating chamber.

2,353,245
BEDPAN COVER
Lucinda Jane Kiser, Indianapolis, Ind.
Application November 24, 1941, Serial No. 420,243
2 Claims. (Cl. 4—213)



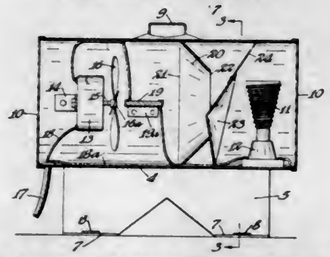
1. A bed pan cushion formed of elastic material impervious to moisture comprising a top cushion pad conforming in shape to the rear portion of a bed pan and having a pair of forwardly extending side portions adapted to extend forwardly and around the opening in a bed pan and terminate in a forward pocket for the reception of the spout of the bed pan, a cover secured to the forward end of the cushion adapted to be folded over the entire pan for concealing the same, the rear end of the pad having downwardly extending side and end walls, and a bottom wall connected to said side and end walls and extending forwardly a short distance to form a pocket on the under surface of said pad for the reception of the rear end of the pad and cooperating with the forward pocket for maintaining the pan in position.

2,353,246
CONTROL MEANS FOR POWER-OPERATED MACHINERY
Max T. Knutzen, Dundas, Ontario, Canada, assignor to The John Bertram & Sons Co. Limited, Dundas, Ontario, Canada, a company of Canada
Application May 7, 1943, Serial No. 485,964
7 Claims. (Cl. 192—15)



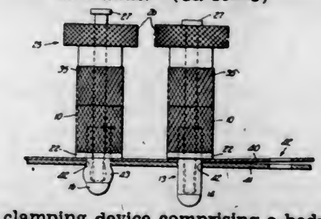
1. Control means for power operated machinery comprising a thrust cylinder, means operatively connecting said thrust cylinder with an element of the power operated machinery, a master control valve unit normally supplying fluid pressure to said thrust cylinder to maintain said element from operation, means for operating said valve to vent said thrust cylinder and operate said element, a second element in connection with said machinery, a thrust cylinder operatively connected with said second element to cause its actuation, a fluid control valve connected with said second thrust cylinder, means for connecting the first thrust cylinder with the second thrust cylinder through the valve of the latter to impose the fluid pressure existing in the first thrust cylinder upon the valve of the second thrust cylinder, and means in connection with said latter valve respondible to said fluid pressure to lock said latter valve from operation thereby maintaining said second element out of operation until the fluid pressure in the first thrust cylinder has been fully released.

2,353,247
ELECTRIC SPACE HEATER
John J. Kuettel, St. Paul, Minn., assignor of one-half to John M. Lawler, St. Paul, Minn.
Application February 8, 1943, Serial No. 475,099
6 Claims. (Cl. 219—39)



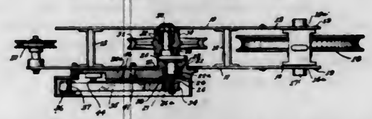
1. In a space heater, a horizontally elongated casing, a heating unit substantially centrally disposed in an end portion of said casing, an air impeller in said casing and directed toward said heating unit, and a baffle in said casing between said impeller and said heating unit to prevent direct flow of air between the said impeller and said heating unit, said baffle being in substantial engagement with the lower portion of said casing to prevent air flow along said lower portion from said impeller to said heating unit, and said baffle being spaced from the upper inner wall portion of said casing to provide circuitous flow from said impeller and over said baffle to said heating unit.

2,353,248
CLAMPING DEVICE
William H. Lamb, Merrick, N. Y.
Application July 10, 1942, Serial No. 450,475
12 Claims. (Cl. 85—5)



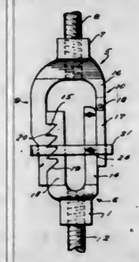
1. A clamping device comprising a body member having a clamping face at one end, an expansible and contractible clamping member projecting from said face, and mechanism for expanding and contracting said member including a rod slidably mounted in the body member, a coil spring surrounding the rod located in a recess at an end of the body member, a spring-engaging pin extending transversely through the rod and across the recess, a vertical guideway in the body member slidably engaged by the pin, a spring-retaining member having an outer wall engaging the outer wall of the body member, said wall overlying the guideway and being provided with an inwardly extending projection engaging an end of the spring, and an actuating nut threaded on the rod and bearing against said projection.

2,353,249
TENSION MEASURING DEVICE
Maurice P. Lebourg, Houston, Tex., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application May 19, 1942, Serial No. 443,579
5 Claims. (Cl. 265—1.6)



1. A device for measuring the tension in a cable comprising a frame mounted in operative relation to the cable, a member on the frame for deflecting the cable to produce a force that is a function of the cable tension, a flat resilient member in the frame, a support for one end of said resilient member, a shaft journaled in the frame and rigidly secured to the other end of said resilient member, means operatively associated with said cable deflecting member for turning said shaft in accordance with the force produced by the cable deflecting member, for deflecting said resilient member in accordance with the tension in the cable, and means for exhibiting a function of the deflection of said resilient member.

2,353,250
TURNBUCKLE
Matthew W. Le Doyen, Portsmouth, Va.
Application January 6, 1944, Serial No. 517,233
3 Claims. (Cl. 287—60)

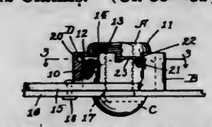


1. A turnbuckle comprising a pair of oppositely disposed barrel sections, each including a threaded barrel having a pair of spaced arms projecting longitudinally from the inner end thereof, the arms of one barrel section being spaced apart a lesser distance than those of the other barrel section so as to be received between the arms of said other barrel section, corresponding arms of said barrel sections being provided with interfitting teeth on the opposed faces thereof, one arm of said other barrel section including a hinged outer arm section mounted to swing toward or away from an arm of the first-named barrel section, and means to retain the hinged arm section in inwardly swung position so as to maintain the teeth of the barrel section arms interengaged.

2,353,251
FRUIT SIRUP
Victor Charles Emile Le Gloahec, Rockland, Maine, assignor to Algin Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application December 15, 1941, Serial No. 423,043
3 Claims. (Cl. 99—102)

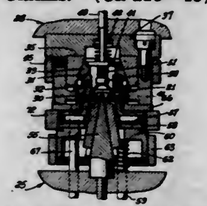
1. A fruit-containing sirup comprising pieces of fruit in an aqueous medium containing sugar and containing algin as a thickening agent.

2,353,252
NUT ANCHOR
James R. Leisure, Compton, Calif.
Application August 10, 1942, Serial No. 454,266
12 Claims. (Cl. 85—32)



1. A nut anchor structure, comprising, a nut, a socket shell having a continuous wall for holding the nut and from which the nut is removable through its outer end, said nut and the wall of said shell having cooperating engaging means by which the nut is retained from rotating in said shell, and a retaining element engaged in the wall of said shell and movable into two positions, one normally blocking the removal of the nut and the other permitting its removal through the outer end of said shell.

2,353,253
DIE
Frank W. Livermont, Glendale, Calif., assignor of one-half to Richard Alwin Livingston, Los Angeles, Calif.
Application November 2, 1942, Serial No. 464,301
9 Claims. (Cl. 113—48)



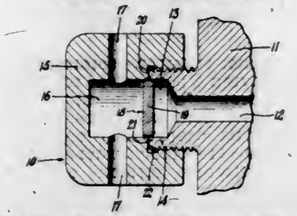
1. Apparatus for shaping a sheet work-piece, said apparatus comprising: first and second frame members between which said work-piece is adapted to be positioned, and means for effecting relative longitudinal closing and opening movements of said frame members toward and away from each other; a first die and a complementary second die; means mounting said first die on said first frame member for lateral and longitudinal movement relative thereto, said mounting means including wedge means for forcing said first die laterally against said work-piece in response to closing movement of said first frame member relative to said first die; means mounting said second die on said second frame member for lateral and longitudinal movement relative thereto, said mounting means including a second wedge means for forcing said second die laterally toward said work-piece on the opposite side thereof from said first die; first adjustable stop means cooperating with said first and second dies for stopping relative longitudinal movement of said dies toward each other when said dies reach longitudinal registration; second adjustable stop means cooper-

ating with said first frame member and said mounting means of said first die for limiting longitudinal movement of said first frame member with respect to said first die and thereby limiting lateral movement of said first die toward the work-piece; and third adjustable stop means cooperating with said second frame member and said mounting means of said second die for limiting longitudinal movement of said second frame member with respect to said second die and thereby limiting lateral movement of said second die toward the work-piece; whereby the lateral movement of each die toward the work-piece is positively controlled independently of the other die.

2,353,254
BURSTING DISK

Edward L. McCandless, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Application October 28, 1941, Serial No. 416,855
1 Claim. (Cl. 220—89)



A bursting disk for oxygen containers and the like, said disk consisting of a round flat relatively thick central portion of uniform thickness having an integral external annular relatively thin flat peripheral flange of uniform thickness, said flange being positioned in a medial plane between the faces of said central portion and adapted to be clamped between annular members so that said flange will shear when the pressure on one side of said disc exceeds by a predetermined value that on the other side, said disk being composed of a single phase alloy consisting substantially of 96% silver and 4% copper.

2,353,255
METHOD FOR THE MANUFACTURE OF CELLULOSE ACETATE

Carl J. Malm and Loring W. Blanchard, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 26, 1942, Serial No. 456,268
2 Claims. (Cl. 260—227)

1. In the process of preparing cellulose acetate in which cellulose is acetylated with acetic anhydride and sulfuric acid catalyst under controlled conditions, the steps which comprise adding phosphoric acid to the mass at approximately the point at which the maximum temperature is reached, and continuing the acetylation until the cellulose is completely acetylated.

2,353,256
MACHINE AND METHOD FOR MAKING CERTAIN RUBBER GOODS

Frederick J. Maywald, Jr., Rutherford, N. J., assignor to Allied Latex Corporation, East Newark, N. J., a corporation of New Jersey

Original application September 25, 1940, Serial No. 358,231. Divided and this application April 14, 1943, Serial No. 483,040
3 Claims. (Cl. 18—2)

1. A machine of the class described, comprising a beading roll having a resilient face and a covering for said resilient face, said cover comprising spaced longitudinal strips which are interwoven with a circumferential helical strip so as to provide a substantially continuous beading face for said beading roll.

3. In the art of making a rubber object which is beaded at an end thereof, those steps which consist in forming said object upon the form, moistening the portion of said object which is to

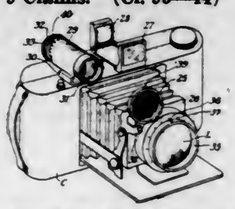


be beaded before the rubber at said portion has been completely vulcanized, beading said portion of the object, and then drying the moistened beaded portion of the object and completing the vulcanization thereof by means of heat.

2,353,257
APPARATUS FOR FOCUSING CAMERAS

Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 26, 1942, Serial No. 459,790
9 Claims. (Cl. 95—44)

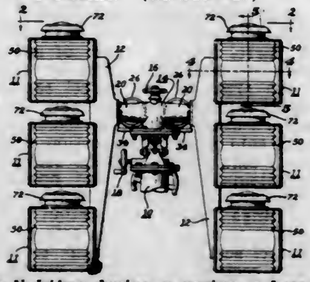


8. A focus indicator for use with cameras having an objective adjustable for focusing and comprising a range finder including a bi-focal lens having a mean focal length equal to that of the camera objective, an image fixing surface in alignment with the bi-focal lens to receive images formed thereby and means for indicating the focal setting of the camera objective from a position of the bi-focal lens determined by having the two images formed by the bi-focal lens of equal magnification.

2,353,258
LIGHTING DEVICE

Garret Mott, Jr., Scarsdale, N. Y., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware

Application February 12, 1942, Serial No. 430,574
8 Claims. (Cl. 240—47)

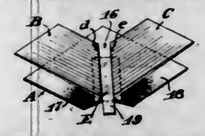


1. In a lighting device, a casing, a lens having a substantially cylindrical concave inner surface affixed in an opening in said casing, a high temperature source of light located in said casing, said casing being formed with a cooling air inlet in a wall adjacent to said lens, and with an outlet in the wall above said source of light, means to introduce a current of cooling air through said inlet, and means for directing said air to flow first in a path hugging the inner surface of said lens and subsequently in heat-exchange relation with said source of light, said outlet being substantially directly above said source of light and in unobstructed communication with the space immediately around the latter whereby air heated by said source of light may rise directly to and escape through said outlet.

2,353,259
SHINGLE

Herbert L. Owen and James Paul Owen, Los Angeles, Calif.

Application April 13, 1942, Serial No. 438,858
4 Claims. (Cl. 108—25)

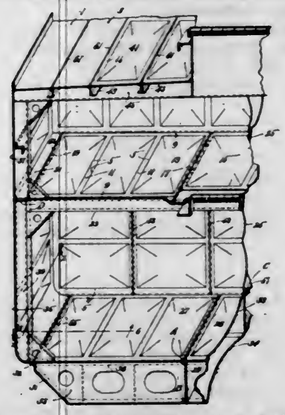


1. As an article of manufacture, a preformed valley shingle unit comprising a flashing sheet of flexible fibrous material and a pair of opposed valley shingles imposed on said flashing sheet and adhered thereto, said shingles being spaced apart at their butt ends and said flashing sheet spanning the gap between said butt ends and forming a flexible connection between the pair of shingles whereby the latter may be positioned in various angular relations to each other, together with a reinforcing and weather resistant tongue interposed between said flashing sheet and said shingles and spanning the gap between the butt ends of the latter, said tongue being carried by said flashing sheet in a position to project downwardly from the latter in the completed roof.

2,353,260
METAL PLATE CONSTRUCTION

Reginald Paulsen, Hingham, Mass.

Application July 11, 1941, Serial No. 401,970
4 Claims. (Cl. 114—79)

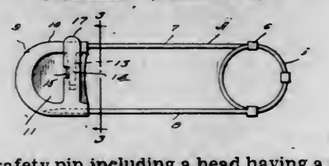


4. Ship plate construction for bulk heads, tank tops, and the like, having in combination metal plates of a width ordinarily requiring added stiffening elements intermediate their width and having plane marginal portions abutting in a common plane and welded together by a single line-weld at their adjacent edges, and stiffening elements comprising plates disposed edgewise to the said plates and each having a marginal portion bent at right angles to the general plane of the intermediate portions thereof to form an extension at one side only of such plane, such elements being applied only along and with their marginal portions spanning the lines of junction of the plates and welded by the single line-weld to both of the plates meeting along the said lines of junction, intermediate areas of the first-named plates being dished to render such areas self-supporting with elimination of the additional intermediate stiffening elements ordinarily required in the use of flat plates of equivalent width.

2,353,261
SAFETY PIN

Harold M. Pedersen, Forest Hills, N. Y.

Application August 25, 1943, Serial No. 499,959
3 Claims. (Cl. 24—156)



1. A safety pin including a head having a plate-like wall closing one side thereof and provided with a rolled edge forming a socket at one side edge portion of the head, a wire member embodying a rigid back portion having its end curved and secured in the rolled edge at the other side edge portion of the head, said wire member further embodying a flexible resilient pin member having a pointed end portion insertible in said socket, a rigid tongue projecting from the rolled edge of the head where the back portion is secured therein and extending crosswise of the head toward said socket, the end of said tongue contacting said side wall, and a spring tongue lever projecting from the rolled edge of the head at said socket and extending crosswise of the head toward and past the rolled edge where the back portion is secured therein, said spring tongue lever being disposed outwardly of said rigid tongue and having an inwardly projecting rigid lug intermediate its ends normally extending past the rigid tongue at one side of the latter, said lug being movable away from the rigid tongue upon manually springing the spring tongue lever outwardly to permit passage of the pin member from the socket for complete disengagement from the head.

2,353,262
PREVENTING CRYSTALLIZATION OF COUPLERS

Willard D. Peterson, Easton, Pa., and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 24, 1942, Serial No. 466,800
1 Claim. (Cl. 95—6)

The method of preventing the crystallization of couplers incorporated in photographic silver halide emulsions which comprises incorporating in said emulsion a mixture of a coupler normally

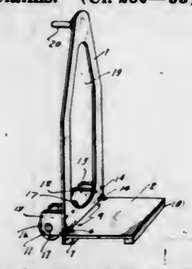
tending to crystallize and having a benzoylbenzene group and a benzoyl acetamino group, and a non-coupling compound having a benzoylbenzene group, a sulfonamide group, and an alkyl group of at least 5 carbon atoms.

2,353,263
DOOR MOUNTING
Ernest E. Pierce, Dallas, Tex.
Application April 19, 1943, Serial No. 483,586
9 Claims. (Cl. 16—129)



9. In a door mounting, an arm mounted on said door and extending rearwardly, a bearing for said arm pivotally supporting the same for arcuate movement and adjustable both laterally and longitudinally and means carried jointly by said bearing and arm for exerting a lateral thrust on the latter as it approaches both vertical and horizontal planes.

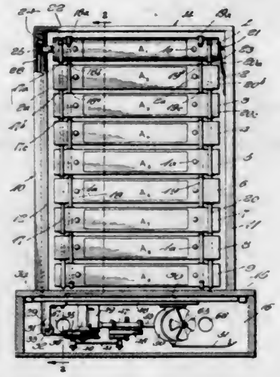
2,353,264
HAND TRUCK
William E. Piland, Portland, Oreg.
Application November 28, 1942, Serial No. 467,211
4 Claims. (Cl. 280—53)



1. A hand truck, comprising a frame formed with a slot near one end, a lip formed with a tongue at one end to engage in the slot in the frame, roller mountings carried by the frame adjacent each side edge, rollers in the mountings, a brace between the respective mountings and engaging the frame and the tongue, a second brace engaging the frame below the slot and the lip adjacent the tongue, means for securing the first mentioned brace to the tongue and the frame, and means for securing the second mentioned brace to the lip and the frame.

2,353,265
ANIMATED EXHIBITOR
Harry Pullen, Easton, Md., assignor, by direct and mesne assignments, to The Magic Duplex Sign Company, Easton, Md., a corporation of Maryland
Application January 14, 1941, Serial No. 374,385
4 Claims. (Cl. 40—30)

1. An actuator for a changeable exhibitor of the type including a multiplicity of laterally extending strip-like members mutually suspended and supported within a frame structure one with respect to another for displaying by coacting adjacent faces, either of two different exhibits integrated by coacting surfaces of adjacent strip-like members either in normal position or reverse position, comprising in combination a vertically disposed frame structure including side members having channelways formed therein, said channelways terminating in a substantially circular recess in a portion of said frame structure, an annular projection disposed within said recess, a



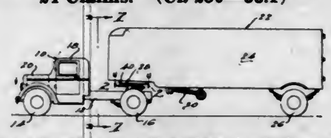
pulley member having an annular recess in one face thereof adapted to be journalled with respect to the annular projection on said frame member, a connection between said pulley member and the extreme upper laterally extending strip-like member of the exhibitor, cables wrapped around said pulley member and secured thereto, said cables extending through said channelways, and mechanism connected with said cables for imparting successive movement to said pulley member through angular distances of substantially 180°.

2,353,266
MOTOR VEHICLE
Elliott G. Reid, Palo Alto, Calif., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Original application February 24, 1937, Serial No. 127,540. Divided and this application December 11, 1939, Serial No. 308,736
8 Claims. (Cl. 180—1)



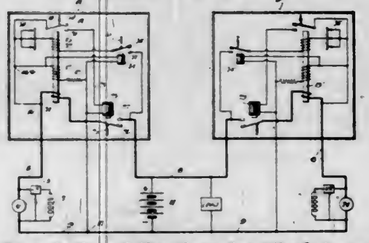
1. In a motor vehicle having a body formed to provide a passenger compartment and a rearwardly disposed engine compartment beneath a continuously downwardly sloping upper rear panel, an intake for engine cooling air in said panel, and means associated with said panel for so directing air thereover as to materially increase the pressure on that portion of the panel area in which said intake is located.

2,353,267
FIFTH WHEEL CONSTRUCTION
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application May 14, 1943, Serial No. 487,001
24 Claims. (Cl. 280—33.1)



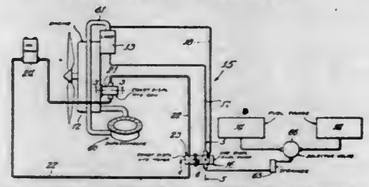
1. In a structure of the class including a tractor and a semi-trailer, the combination with said tractor and semi-trailer of means for supporting the front end of the semi-trailer on the rear end of the tractor comprising supporting means fixed with respect to said tractor, means for receiving the weight of the forward end of said semi-trailer and for releasably securing said front end of said semi-trailer thereto, and means connecting the last-mentioned means to the first-mentioned means for relative movement between them transversely to the length of said trailer comprising a pair of links pivotally connected to said first and second-mentioned means, the pivotal connection between said links and each of said first and second-mentioned means being parallel and spaced from each other transversely of the length of said tractor and transmitting in tension the weight of the front end of said trailer to the first-mentioned means from the second-mentioned means therethrough.

2,353,268
ELECTRICAL APPARATUS
Jean M. Roberts, Ridgewood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 21, 1942, Serial No. 466,443
9 Claims. (Cl. 320—40)



2. In a device of the class described, in combination with a generator and a battery, and a line circuit therebetween, means including a reverse-current relay for controlling the opening and closing of said line circuit, said reverse current relay including an armature, a magnetic pole-piece having a shunt winding connected across the line circuit, a series winding inserted in one side of the line circuit, and a differential winding in parallel connection with said series winding, and responsive to the difference between the generator and battery terminal voltages to cause said armature to move to the line-closing position only when the generator voltage is slightly higher than the battery voltage, means to move said armature to the line-opening position upon reverse current flow, and automatic means independent of said reverse current relay to prevent leakage of current from said battery through said differential winding when said generator is not running.

2,353,269
HYDRAULIC FUEL SYSTEM
Jay M. Roth, Euclid, and Louis G. Burns, East Cleveland, Ohio, assignors to Pesco Products Co., a corporation of Ohio
Application September 21, 1940, Serial No. 357,826
2 Claims. (Cl. 158—36.4)

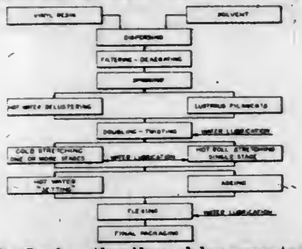


1. In a high altitude volatile fuel supply system for aircraft motors, including carburetor means adapted to be mounted adjacent an aircraft motor for introducing fuel therein, means providing a supply of volatile fuel located at an elevation normally below that of said introducing means, the combination therewith of means for moving said volatile fuel from said lower elevation to said carburetor means located thereabove while maintaining the pressure of said fuel being moved at a value above that point below which vapor lock would normally occur, said means comprising a rotary fuel pump located at a level not substantially different than that of said supply and in communication with said supply, said means being effective to push said fuel from said lower level up to said introducing means, a liquid pressure responsive constant displacement rotary motor for driving said fuel pump, a constant displacement rotory liquid pressure generator adapted to be driven directly from said aircraft motor, means defining a closed liquid circuit connecting said pressure generator and said liquid pressure responsive motor, said circuit including a relatively non-volatile liquid, said fuel pump having a fixed axis rotor supporting a plurality of reciprocable blades embraced by an eccentrically adjustable sleeve for varying the displacement of said fuel pump, and means for adjusting said sleeve relative to said motor comprising a diaphragm assembly connected thereto, means for exposing a first side of said diaphragm assembly to the discharge pressure of said pump and means for exposing the opposite side of said diaphragm assembly to the pressure within said introducing means whereby to deliver fuel to said introducing means at a substantially constant pressure.

2,353,270
PROCESS FOR FORMING SYNTHETIC FIBERS
Edward W. Rugeley, Theophilus A. Feild, Jr., and John F. Conlon, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Original application September 15, 1937, Serial No. 164,002. Divided and this application November 15, 1938, Serial No. 240,476
20 Claims. (Cl. 18—54)

1. A process for forming textile fibers of uniform softness, strength, flexibility, and extensibility from vinyl resins which comprises extruding a dispersion of said resin through orifices to form filaments, drying said filaments in an evaporative atmosphere, collecting the filaments to form a thread, delustering said thread by immediately wetting it with water, ageing the thread by immersion in water heated above 50° C., stretching the aged thread when wet to in-

crease its tenacity, setting the stretch of the thread by immersion in water heated above 50° C. while the thread is under tension, and softening the thread to form finished textile fibers



by rapidly flexing the thread by repeatedly and abruptly changing the direction of travel of the thread at a sharp angle while being drawn at high speed and while immersed in water.

2,353,271

LOOSE-FILL COMPOSITION MATERIAL

Charles H. Schuh, Ridgewood, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York

No Drawing. Application May 1, 1939, Serial No. 271,201

16 Claims. (Cl. 106—93)

1. A loose-fill material comprising a multiplicity of light weight comminuted composition pieces, the individual pieces comprising particles of a particulate substance and pulped fibers essentially of an average fiber length less than about 0.08 inch and presenting a bonded self-sustaining microcellular structure, with the particles and fibers in substantially uniform volumetric distribution and the fibers extending in substantially all directions such that a mass of said pieces gives a fluffy appearance and will not settle to a high density.

2,353,272

BORE SIGHTING INSTRUMENT

Arthur B. Simmons and John H. Eagle, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 9, 1942, Serial No. 450,238

4 Claims. (Cl. 88—1)



1. A bore sighting instrument for guns comprising an alignment rod, three spaced walls thereon extending longitudinally thereof and having a curvature approximating that of a gun barrel bore, spring members supported on said rod and extending outwardly therefrom and adapted to resiliently engage the gun bore pressing two spaced walls into contact therewith, an optical instrument including a housing adapted to be carried by the aligning rod, said optical instrument including means for projecting an image in axial alignment with said aligning rod to a position at one side of said rod, and means for connecting said optical instrument housing to the alignment rod comprising a spring latch member carried by the housing and a latch guiding groove formed in the aligning rod and extending to a latch element at the end of said groove whereby the aligning rod and housing may be latched together in only one position.

2,353,273

SHAKER CONVEYER

William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application April 23, 1943, Serial No. 484,179

15 Claims. (Cl. 198—220)



1. In a device for moving the pick-up end of a shaker conveyer laterally along the ground, a reciprocating trough, a runner on the underside of said trough extending at an angle to the longitudinal center line of said trough, and means selectively operable to slidably engage said runner with the ground, to cause said runner to lift the forward end of said trough off of the ground during alternate strokes of the conveyer, to cause lateral swinging movement of said reciprocating trough during said alternate strokes of the conveyer.

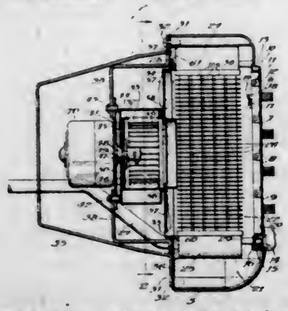
2,353,274

HEAT EXCHANGE DEVICE

Philmore F. Sperry, Chicago, Ill., assignor to Excel Auto Radiator Company, a corporation of Delaware

Application March 20, 1937, Serial No. 132,000

14 Claims. (Cl. 257—137)



1. In combination, a heat exchange device comprising a housing, a radiator core disposed within said housing, and means for circulating air through the radiator core, said means comprising a suction fan having an intake opening for withdrawing air from the central portion of said core and a radially outer fan driving air into the outer portions of said core.

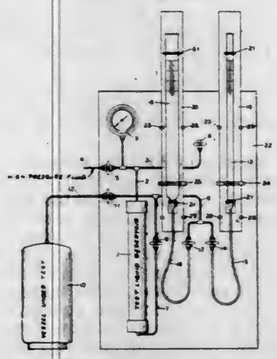
2,353,275

CONTAINER PRESSURE WITHSTANDING TESTING DEVICE

Theodore A. St. Clair, Pontiac, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware

Application August 28, 1941, Serial No. 408,670

11 Claims. (Cl. 73—51)



2. The method of testing vessels for permanent deformation under pressure which comprises filling the vessel to be tested with the testing liquid, supplying additional liquid under pressure from a test liquid reservoir to the vessel until the desired test pressure is reached, releasing the excess liquid from the vessel by releasing the pressure thereon, and returning said expelled excess liquid to said test liquid reservoir, and adding thereto a sufficient volume of test liquid to fill the test liquid reservoir to its original volume, the volume of added test liquid being a measure of the permanent deformation of the vessel being tested.

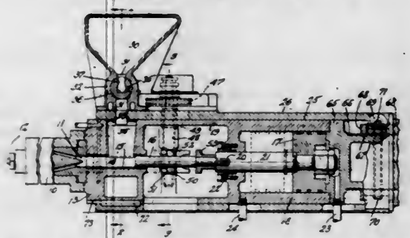
2,353,276

MEASURING AND DELIVERING MECHANISM

Joseph E. Stewart, Detroit, Mich., assignor to The French Oil Mill Machinery Company, Piqua, Ohio

Application October 24, 1941, Serial No. 416,383

7 Claims. (Cl. 18—30)



1. In a material delivering means for injection molding apparatus in which a reciprocating plunger delivers successive charges of material from a plunger chamber to a mold, the improved mechanism for delivering measured charges of material intermittently from a supply source to said plunger chamber comprising a device having a charge measuring pocket, a rock shaft, means by which opposite movements of said injection plunger rock said shaft alternately in opposite directions, a reciprocable bar, a rack and pinion connection between said rock shaft and said bar for reciprocating the bar, and a rack and pinion connection between said bar and said measuring device for moving the measuring device alternately back and forth between positions to receive and deliver the charges of material.

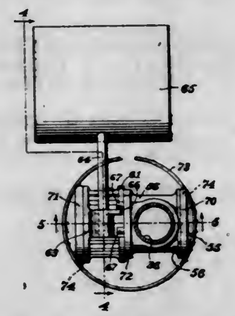
2,353,277

FLOAT VALVE FOR FILLING MACHINE RESERVOIRS

Robert J. Stewart and Henry H. Franz, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application June 29, 1939, Serial No. 281,952

1 Claim. (Cl. 137—104)



An inlet valve for filling machines comprising an open-ended cylindrical casing adapted to be secured to a liquid supply tube, said casing having a plurality of flow apertures spaced about its periphery, an apertured sleeve valve rotatable upon the apertured portion of said casing, a float secured to said valve, removable end plates to close the ends of said casing and maintain said valve in position on the latter, and resilient means to hold said end plates in position on said casing.

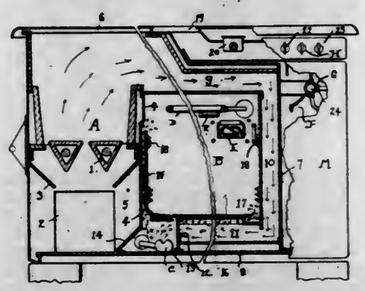
2,353,278

COMBINATION COAL AND GAS RANGE WITH AUTOMATIC OVEN HEAT CONTROL

Arthur Stockstrom and George P. Eichelsbach, Jr., St. Louis, Mo., assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey

Application November 30, 1940, Serial No. 368,070

18 Claims. (Cl. 126—36)



1. In a range or the like, an oven, a solid fuel and a gaseous fuel burner optionally operable to heat said oven, means to convey the heat generated by said solid fuel burner to the oven, a thermoresponsive member positioned out of heat transfer relationship with the said means for conveying to the oven the heat generated by said

solid fuel burner, said thermoresponsive member being operable by the heat within said oven for controlling the flow of fuel to said gaseous fuel burner and thereby maintaining within said oven a predetermined temperature, a valve for initially turning on and off the fuel to said gaseous fuel burner, a shield movable in respect to said thermoresponsive member to optionally isolate said member from the heat within said oven, and a connection between said shield and said valve operable to position said shield to isolate said thermoresponsive member from the oven heat when said valve is in a closed position to prevent the flow of fuel to said gaseous fuel burner.

2,353,279

PHOTOGRAPHIC GELATIN LAYER CONTAINING A CONDENSATION PRODUCT OF AN ETHYLOL CYANAMIDE WITH A FATTY ACID

Donald R. Swan and Carl G. Lindquist, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 25, 1941, Serial No. 412,282
6 Claims. (Cl. 95—7)

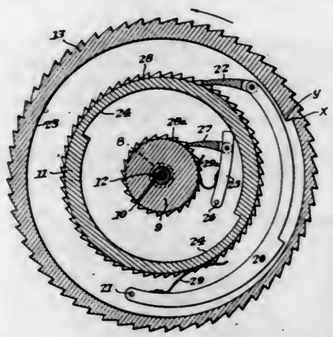
1. Photographic sensitive material comprising a layer of a hydrophilic colloid depositable from a predominantly aqueous medium, said layer containing from 0.05% to 1.0% of a condensation product of an acid selected from the group consisting of the aliphatic monobasic carboxylic acids of from 8 to 17 carbon atoms and the alicyclic acids, with an ethylol cyanamide.

2,353,280

MEANS FOR COMPUTING MEASUREMENT

Murray T. Swisher, Clairton, Pa.

Application April 30, 1943, Serial No. 485,258
14 Claims. (Cl. 58—125)



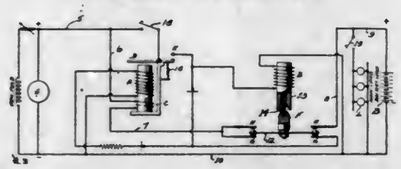
8. Means for indicating measurement comprising an indicia dial, a supporting panel, a series of outer, intermediate, and inner concentric ratchet wheels on a common transverse plane, each having a telescoping spindle extending through the panel provided with a hand beyond the dial, inner annular cam faces on the outer and intermediate wheels, a lever having a pawl between the outer and intermediate and between the intermediate and inner wheels respectively engageable with said cam faces, and means for intermittently actuating the outer wheel with following timed movement of the intermediate and inner wheels and their spindles and hands.

2,353,281

ELECTRICAL APPARATUS

Robert G. Taylor, Hasbrouck Heights, and Clinton C. Honeywell, Teaneck, N. J., assignors to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application November 21, 1942, Serial No. 466,442
8 Claims. (Cl. 320—40)



1. In a generator-battery system, a reverse current relay including a shunt coil connected to one terminal of said generator and a series coil connected to the opposite terminal of said generator, a switch interposed between said series coil and the battery, means for moving said switch to a position completing a circuit between said series coil and said battery, and means for moving said switch to a position completing a circuit across said generator running from said series coil to said shunt coil, said two means being in opposition, and alternately predominating, depending upon the relationship between generator and battery voltages.

2,353,282

PREPARATION OF SUBSTITUTED PHENOLS

Victor H. Turkington, Mountain Lakes, Leo R. Whiting, Woodbridge, and Lanning P. Rankin, Caldwell, N. J., assignors to Bakelite Corporation, a corporation of New Jersey

No Drawing. Application October 15, 1941, Serial No. 415,074
11 Claims. (Cl. 260—624)

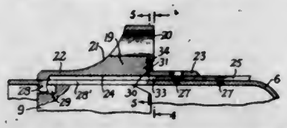
1. Method of preparing a substitution product of a phenol which comprises reacting the phenol with an olefinic compound in the presence of a catalyst composition of an oxy compound of boron and a compound of the formula ROOC—COOR' wherein R and R' represent each a member from the group consisting of hydrogen, alkyl radicals, alkenyl radicals and aryl radicals.

2,353,283

COMBINED COCKING DEVICE AND REAR SIGHT FOR GUNS

Frederick W. Woodhull, Millington, N. J., assignor of three per cent to Frank Hovey Roof Connell, Denning, N. Y., two per cent to Dryden Kuser, as trustee, and one and one-half per cent to Louise M. Kuser, both of Bernardsville, N. J.

Application April 23, 1941, Serial No. 389,841
8 Claims. (Cl. 42—16)



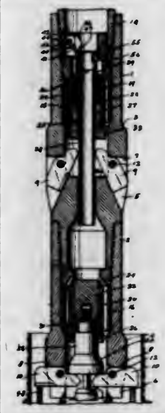
8. In a gun, a receiver; a reciprocable breech block mounted in said receiver; and a combined rear sight and cocking device mounted on the upper face of said receiver for sliding movement longitudinally thereof and having an upwardly extending body portion with a sight opening therein, and a separable connection with the breech block whereby the breech block may be moved rearwardly to a cocked position and disengaged from said combined rear sight and cocking device when the latter is moved to its forward position.

2,353,284

MILLING TOOL

George J. Barrett, Houston, Tex.

Application September 27, 1943, Serial No. 504,075
10 Claims. (Cl. 164—0.8)



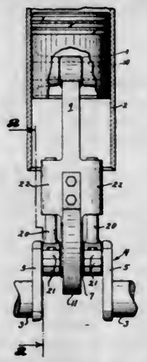
1. A tool of the character described comprising a body adapted to be connected to a tubular operating string, an upper and a lower cutter mounted on the body and movable into active position to operate on a pipe in a well to cut away and remove a portion of the pipe and also movable into retracted, or inactive, position, separate, independently operable, means in the body operable by fluid under pressure to actuate said cutters into said active position, and means in the body effective to hold one cutter inactive while the other cutter is active.

2,353,285

POWER TRANSMITTING DEVICE

Joseph D. Bell, San Francisco, Calif.

Application April 11, 1942, Serial No. 438,658
21 Claims. (Cl. 74—44)



1. In a power transmitting device, a reciprocating member, a rotary member having a crank therein and having a cam on the crank, a connecting rod pivoted to the reciprocating member and having a wedge-face active on the cam for driving the latter past dead center when the reciprocating member moves toward the shaft, and means operable to cause the wedge-face to follow the crank for maintaining driving relation between the wedge-face and the crank.

2,353,286

CONNECTOR CLIP

John Bender, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 29, 1941, Serial No. 376,411
6 Claims. (Cl. 200—134)



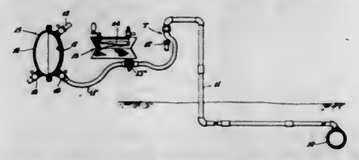
1. Connecting means including a substantially U-shape clip of conducting material, reinforcing means for said clip including a resilient member engaging one side of said clip at spaced points, and tie means at least at one side edge of said clip extending between a point on said member intermediate said spaced points and the other side of said clip, for stressing said member.

2,353,287

METHOD OF DETECTING AND MEASURING LEAKAGE IN GAS LINES

Matthew E. Benesh, Cicero, Ill., assignor to Chicago By-Products Corporation, Chicago, Ill., a corporation of Illinois

Application October 9, 1940, Serial No. 360,456
8 Claims. (Cl. 137—77)



7. The method of detecting the rate of leakage of gas from a conducting line which includes the steps of filling a line connected with a supply main with an excess of an indicator medium while the gas in the supply main is moving to remove from the mouth of the line at the supply main all excess indicator medium flowing into the main from the line whereby accurately to fill the line to capacity with medium, and determining the extent of dilution of said indicator medium in said line by the flow of gas from said main into said line to replace the medium lost through a leak during a given interval of time.

2,353,288

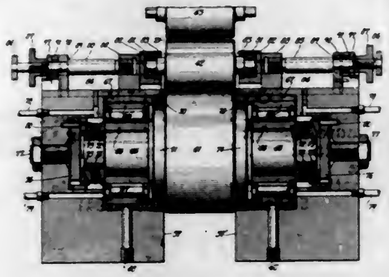
APPARATUS FOR ROLLING STRIP METAL

Richard G. Bennewitz, Jersey City, N. J., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey

Application August 3, 1940, Serial No. 350,789
3 Claims. (Cl. 80—32)

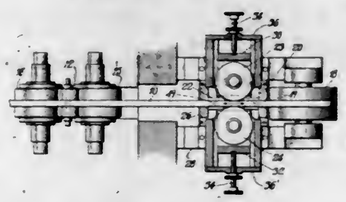
1. Apparatus of the class described for the cold rolling of metal strip, said apparatus including a pair of work engaging rolls of relatively small

diameter, each of said rolls being cradled between and in peripheral rolling engagement with a pair of backing rolls of larger diameter, said work engaging rolls being substantially free of radial bearing guidance except as provided by said back-



ing rolls, anti-friction bearings supporting each of said backing rolls, said work-engaging and backing rolls being idle rolls, and devices for applying tension to the strip to pull the same between said work engaging rolls and rotate all of said rolls.

2,353,289
METHOD AND APPARATUS FOR ROLLING STRIP METAL
Richard G. Bennewitz, Jersey City, N. J., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey
Application September 24, 1940, Serial No. 358,115
5 Claims. (Cl. 80—32)



3. In an apparatus for simultaneously cold rolling and edging continuous metal strip, the combination of a pair of reducing rolls each cradled between and supported in free rolling contact against an associated pair of anti-frictionally journalled backing rolls, a pair of anti-frictionally journalled edging rolls spaced therefrom, all of said rolls being free of driving connections, and power driven means for pulling the strip between said reducing and edging rolls concurrently, whereby the strip is progressively reduced and edged in one pulling operation.

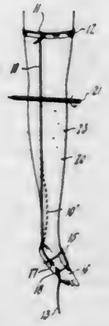
2,353,290
APPARATUS FOR ROLLING STRIP METAL
Richard G. Bennewitz, Jersey City, N. J., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey
Application December 2, 1940, Serial No. 368,125
4 Claims. (Cl. 80—32)

1. In apparatus for cold rolling and drawing metal rod and the like to a predetermined cross-sectional shape, a cooperating pair of superposed undriven reducing rolls formed respectively with circumferential grooves of cross sections substantially corresponding to complementary portions of the outline of said shape, a pair of axially spaced undriven and anti-frictionally journaled backing rolls for each of said reducing rolls, each reducing roll being freely cradled be-



tween and supported in free rolling contact against its associated pair of backing rolls, and means for pulling the stock between said pair of reducing rolls in working engagement with the grooved portions thereof.

2,353,291
METHOD AND MEANS FOR PRODUCING SIMULATED STOCKING SEAMS
Bernard I. Blickman, New York, N. Y.
Application August 28, 1943, Serial No. 500,318
6 Claims. (Cl. 41—17)

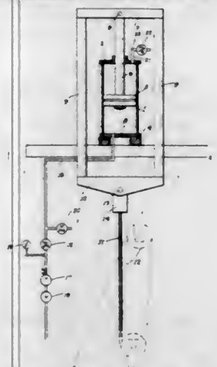


1. A leg marking device for providing a simulated stocking seam comprising a filament for carrying coloring material, and means associated with said filament and effective to hold the same in preselected alignment along a leg, whereby said filament may be pressed against the leg to transfer coloring material thereto to form a mark simulating a stocking seam.

2,353,292
PURIFICATION OF PHENOTHIAZINE
Edgar C. Britton and Joseph E. Eisenman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 10, 1941, Serial No. 387,860
14 Claims. (Cl. 260—243)

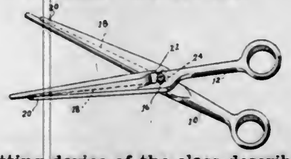
1. In a method of purifying phenothiazine to remove impurities incident to its manufacture, the steps which consist in treating the impure phenothiazine with a basic inorganic compound of a metal selected from the class consisting of lithium, sodium, potassium, copper, calcium, strontium, barium, magnesium, zinc, cadmium, and aluminum, at a temperature sufficient to fuse the phenothiazine and distilling the so-treated phenothiazine.

2,353,293
INDUSTRIAL SHOCK ABSORBER
Edgar C. Brooking, Toccoa, Ga., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application January 2, 1943, Serial No. 471,164
2 Claims. (Cl. 267—1)



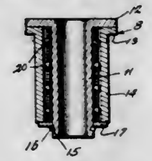
1. A shock absorber for an industrial machine which includes an element intermittently subjected to a sudden and severe load in a certain direction; said shock absorber comprising a closed cylinder, a piston slidable in the cylinder, means connecting said element and the piston so that when the element is subjected to said load the piston is moved toward one end of the cylinder and produces shock absorbing compression on one side of said piston, means normally acting on the piston and urging the same toward the other end of the cylinder; and a pressure relief valve in communication with the cylinder on said one side of the piston, said valve being set to relieve said compression in excess of a predetermined amount, a conduit in communication with the cylinder on the other side of the piston, and a check valve in said conduit opening toward the cylinder; there being a bleed hole in said conduit between said check valve and the cylinder, said conduit outwardly of the check valve, and said bleed hole, being open to atmosphere.

2,353,294
SHEARS
Joseph Ciarlone, Fitchburg, Mass.
Application March 4, 1944, Serial No. 524,991
4 Claims. (Cl. 30—349)



1. A cutting device of the class described comprising a pair of blade holding members, a pivotal member connecting the same, each of said blade holding members having longitudinal grooves therein, said grooves opening towards each other and extending from a point at one side of the pivot connection past the latter to the extreme end of the blade holding members, an inserted blade located in each groove, each inserted blade having means forming a hook thereon, said hooks being hooked over the pivotal connection whereby both of the inserted blades are connected to the pivotal connection.

2,353,295
DRILL BUSHING
Glenn K. Day, Washington, D. C.
Application March 8, 1943, Serial No. 478,463
1 Claim. (Cl. 77—62)



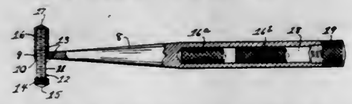
A drill bushing comprising a barrel for receiving a drill, a sleeve surrounding the barrel, bearing means between the barrel and the sleeve and means for preventing displacement of the sleeve from the barrel, said means for preventing displacement of the sleeve from the barrel comprising a flange on one end of the barrel overlapping one end of the sleeve, a washer for the other end of the barrel overlapping the adjacent end of the sleeve and means for preventing displacement of the washer from the barrel, said means for preventing displacement of the washer consisting in forming the adjacent portion of the barrel with a circumferential groove, and a split spring ring disposed in the groove and abutting the said washer.

2,353,296
SCRAPER
Josef A. Disse, Detroit, Mich.
Application October 18, 1943, Serial No. 506,745
6 Claims. (Cl. 30—169)



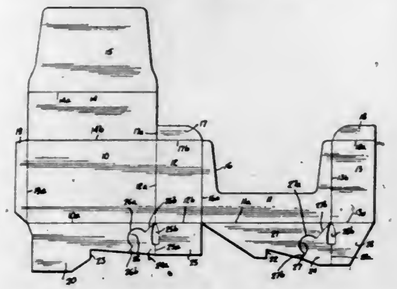
1. A scraper comprising a handle provided with a forwardly extending shank, a substantially flat blade reversible end for end having an aperture through the central portion thereof and apertures equispaced forward and in rear of said central aperture, a finger at the forward end of said shank adapted for insertion through said central aperture to overlap the portion of the blade forward thereof, the rear portion of the blade overlapping said shank, a pin projecting from said shank to engage the spaced aperture in the overlapping portion of the blade, and clamping means for securing said blade to said shank including a wedge portion for insertion between said finger and blade and a portion bearing on the rear end of said blade.

2,353,297
ADJUSTABLE PIN GAUGE
William E. Donath, Philadelphia, Pa.
Application August 4, 1942, Serial No. 453,495
6 Claims. (Cl. 33—168)



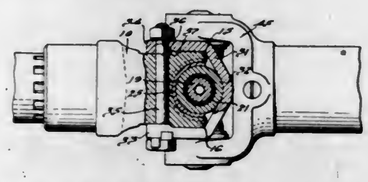
1. An adjustable gauge pin comprising a handle having a transverse threaded hole through one end, a male pin section including a threaded shank mounted in said hole and a contact point opposite said shank, and a female pin section screwed onto said shank and provided with a contact point at its outer end.

2,353,298
FOLDING BOX AND BLANK FOR MAKING SAME
Irving Dorfman, New York, N. Y., assignor to Federal Carton Corporation, New York, N. Y., a corporation of New York
Application June 7, 1943, Serial No. 489,885
4 Claims. (Cl. 229—16)



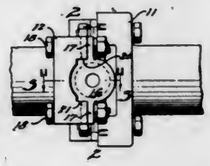
1. A flat box-blank which has integral longitudinal box-walls and transverse box-walls which are connected at respective main hinge lines which are parallel to each other, said walls having bottom edges which form a single straight longitudinal line, said longitudinal walls being continuous with respective partial bottom walls which are located below said longitudinal line, said transverse walls being continuous with bottom flaps which are located below said longitudinal line, each said bottom flap being integral with the next adjacent partial bottom wall along a respective hinge line which is parallel to said main hinge lines, each said partial bottom wall having a pair of coincident fold lines which are separated by an intermediate convex cut line, each said pair of fold lines being inclined in the same direction to said longitudinal line, one of each said pair of fold lines extending to the free edge of the respective partial bottom wall, the other of each said pair of fold lines extending substantially to said longitudinal line and to the corner between the respective longitudinal wall and transverse wall.

2,353,299
UNIVERSAL JOINT
George E. Dunn, Dearborn, Mich., assignor to Universal Products Company Incorporated, Dearborn, Mich., a corporation of Delaware
Application May 8, 1941, Serial No. 392,449
5 Claims. (Cl. 64—17)



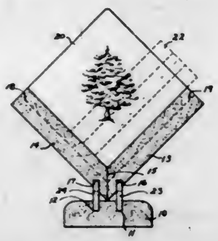
1. In a self-aligning universal joint of the four trunnion type, a bearing assembly comprising a member having an opening of cylindrical character, a trunnion projecting into the opening, a ball element in the opening and having a diametrically extending bore receiving the trunnion, and an adapter having a cylindrical exterior surface fitting the opening and having an inner surface engaging around the ball, the adapter having an open side to permit its assembly with the ball by movement transversely to the axis of the bore in the ball, the width of the open side being slightly less than the ball diameter so that the ends of the adapter must be sprung apart slightly to allow such assembly.

2,353,300
UNIVERSAL JOINT
George E. Dunn, Dearborn, Mich., assignor to Universal Products Company Incorporated, Dearborn, Mich., a corporation of Delaware
Application June 21, 1941, Serial No. 399,071
1 Claim. (Cl. 64—17)



In a self-aligning universal joint of the four trunnion type, a yoke member, a bearing block detachably connected to the yoke member and having a bore extending radially of the joint axis, a trunnion projecting outwardly into the bore, a ball element having external contact with the wall of the bore and having a bore receiving the trunnion, and means on the block at the outer end of the opening for preventing radially outward movement of the ball and comprising an annular inclined shoulder on the block at the outer end of the bore therein which has circular line contact with an outer spherical surface portion of the ball.

2,353,301
HOLDER AND DISPENSER
Maurice J. Fletcher, Des Moines, Iowa, assignor to Cadet Smoke Stands Company, Des Moines, Iowa
Application May 22, 1942, Serial No. 444,098
1 Claim. (Cl. 312—73)



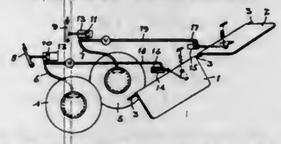
A device having a flat top base member, spaced parallel grooves in the upper surface of the base, vertical plate like elongated keys fitted in the grooves, a frame having a V-shaped bottom, placed transversely across said keys, with the apex of the V between the keys, said bottom having grooves on its underside receiving said keys, the upper surface of said bottom having spaced parallel grooves transverse of said keys, and vertical plates in said last named grooves.

2,353,302
SWEEPSTICK FOR LOOMS
Frank L. Furgal, Warren, Mass.
Application November 11, 1942, Serial No. 465,197
5 Claims. (Cl. 139—151)



1. A sweepstick for looms comprising an elongated laminated leather member including longitudinal central straight leather strips extending from end to end of the member, a short straight leather-like strip at either side of the combined central strips adjacent an end thereof, and an outside strip extending the length of the member at the outer side of each short strip and extending therebeyond to also cover the central strips at their sides.

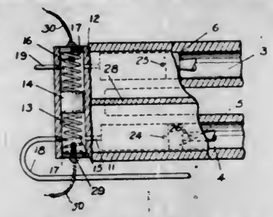
2,353,303
AIRCRAFT CONTROL
James D. M. Gray, Toronto, Ontario, Canada, assignor of twenty per cent to Thomas J. Agar, and twenty-five per cent to Harry W. Terry and Herbert W. McIntosh, all of Toronto, Ontario, Canada
Application December 12, 1940, Serial No. 369,707
3 Claims. (Cl. 244—110)



1. In an aircraft having landing wheels at the port and starboard sides, individually manually actuated brake-control means for said port wheel and individually manually operable brake control means for said starboard wheel, a pair of air-brake flaps transversely pivoted on the aircraft substantially parallel with the wing structure one at each side of the vertical centre plane, and operable to swing downwardly in an angular relation to the wings, an operating connection between the port flap and the first-mentioned wheel brake-control means to swing the port flap downwardly into air-braking position on the actuation of said port wheel braking means, and an operative connection between the starboard flap and the second-mentioned brake-control means to swing said starboard flap downwardly into air-braking position on the actuation of said starboard wheel braking means.

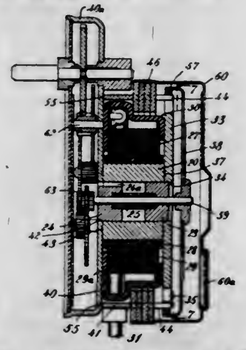
2,353,304
HYDRAULIC BRAKE CONTROL MECHANISM
Charley Laurence Green, Corpus Christi, Tex., assignor of one-third to O. W. Schroeder, Corpus Christi, Tex.
Application March 11, 1942, Serial No. 434,284
1 Claim. (Cl. 60—54.6)

A brake-operating control mechanism for fluid pressure braking systems comprising a plurality of cylinders, a fluid filled chamber having controlled connections to the cylinders, brake pedal-actuated pistons adapted to apply pressure to the fluid contained therein, a transverse cylinder having communication with the first-named cylinder, and having brake lines leading therefrom adjacent the outer ends thereof, a balanced pressure-operated piston in the last-named cylinder adapted to balance the pressure in the brake lines, a partition in the chamber of a height less than the height of the walls of the chamber to provide free communication throughout the chamber when the same is filled with liquid and limiting flow of liquid to the respective cylinders connected with the chamber when liquid in the chamber at either end of the partition drops below the level of the upper edge of the partition,



an electric contact in each end of the transverse cylinder and disposed in the path of movement of the opposite ends of the last named piston for engagement thereby upon a predetermined movement of such said last named piston, said contacts being included in an electric circuit with a signalling device, and said last named piston closing one of the brake lines leading from the transverse cylinder when moved in either direction into a position for engaging an adjacent contact.

2,353,305
ELECTRIC MOTOR AND METHOD OF MAKING SAME
Arthur William Haydon, Marion, Conn.
Application March 14, 1941, Serial No. 383,246
9 Claims. (Cl. 172—278)

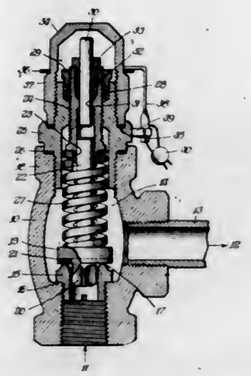


1. For use in an electric motor, a field assembly comprising a field ring having a pole piece which is cut away inwardly from an outer edge to form a shoulder and a recess adjacent the shoulder for receiving part of a coacting pole piece, and shading means having an opening therein through which said pole piece extends, the shoulder of the pole piece being upset to stake the shading means to the field ring.

2,353,306
RELIEF VALVE
Guy J. Henry, Chicago, Ill.
Application February 7, 1939, Serial No. 255,132
1 Claim. (Cl. 137—53)

A pressure relief valve, comprising a hollow body portion provided with inlet and outlet ports,

a relatively hard upstanding annular valve seat at the discharge end of said inlet port, a valve member having a relatively soft deformable insert releasably engaging said seat, means within the inlet port for centering said valve member on said seat, a spring normally pressing said valve member against said seat, a tubular bonnet having a portion which is screwed into the body and a smooth elongated bore within the threaded portion, the threaded portion of the bonnet being larger in diameter than the valve member, and the elongated bore in the bonnet being smaller in diameter than the valve member but larger than



the spring, said spring extending a substantial distance into the bore of the bonnet, a tubular adjusting screw which is smaller than the bore and is threaded into the bonnet at the far end thereof, with the end of said screw in engagement with the spring, a stem on the valve member slidably mounted in the bore of the adjusting screw, a re-seating rod slidably mounted in the adjusting screw outwardly of the stem, normally in axially spaced relation to the latter, means for packing the re-seating rod in the adjusting screw, and separate means for packing the adjusting screw in the bonnet.

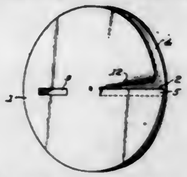
2,353,307
ICING
Julian A. Joffe, Mount Vernon, N. Y.
No Drawing. Application January 2, 1941, Serial No. 372,833
1 Claim. (Cl. 99—139)

As a new article of manufacture, a product having a chocolate surface, an icing firmly adhering thereto and consisting principally of sugar, water, and a small percentage of soy bean proteins.

2,353,308
ICING
Sarah F. Joffe and Julian A. Joffe, Mount Vernon, N. Y.
No Drawing. Application February 15, 1941, Serial No. 379,116
1 Claim. (Cl. 99—139)

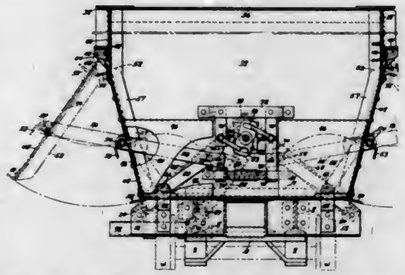
As a new article of manufacture a hard chocolate surface having firmly adhering thereto icing containing soy bean protein cooled in situ.

2,353,309
COMBINED OCULAR AND MATHEMATICAL COMPUTATION DEVICE
Clarence M. Johnson, Dunellen, N. J., assignor of one-half to Marjorie E. Davis, Plainfield, N. J.
Application October 27, 1943, Serial No. 507,823
5 Claims. (Cl. 235—88)



1. A combined ocular and mathematical computation device, including a fixed member formed as a geometrical figure, representing a unit, and provided with a window, a movable member provided with a guide scale and with mathematical computations to be exposed under the window, said movable member adapted to move more or less across the face of the fixed member, corresponding to the mathematical computation exposed under the window to give at one and the same time both an ocular and mathematical computation.

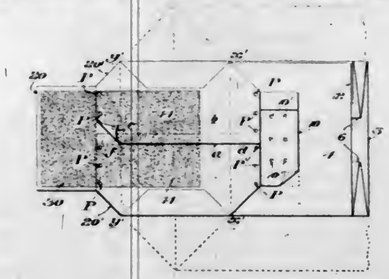
2,353,310
DUMP CAR
Robert W. Joy, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application October 11, 1941, Serial No. 414,557
10 Claims. (Cl. 105—308)



1. In a dump car the combination of doors hinged on the car and opening upwardly and outwardly independently of each other, independent door control arms for each door connected to the door and to the car and pivotally connected together by a pivot which swings upwardly and outwardly during opening of the door, and lock means carried by the car and engaging at least one of said door control arms adjacent said pivot and preventing upward and outward movement thereof thereby locking the door in closed position.

2,353,311
BAG AND METHOD OF MAKING SAME
Karl R. Karlson, Montclair, N. J., assignor to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey
Application May 26, 1941, Serial No. 395,308
1 Claim. (Cl. 93—35)

A method of making bags which comprises providing a web of flexible material, applying to said web a group of bodies of thermoplastic material, the material of certain of said bodies having a lower melting point than that of the remaining bodies; forming said web into a bag having a preformed type of bottom containing a plurality of sets of overlapping areas; controlling such forming so as to bring the bodies having lower melting points between the inner contacting sets of

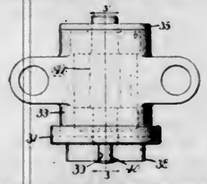


overlapped surfaces of said bottom, and the bodies having higher melting points between the outer contacting sets of overlapped surfaces of said bottom; and securing the outermost plies of said bottom by means of a liquid adhesive without thermal activation of said bodies whereby to produce a bag, closed mechanically but not hermetically, and capable of hermetic heat sealing after filling.

2,353,312
PROCESS OF MONOMERCURATING AROMATIC COMPOUNDS
Kenneth A. Kobe, Austin, Tex., and Thomas F. Doumani, Long Beach, Calif.
No Drawing. Application February 10, 1942, Serial No. 430,242
5 Claims. (Cl. 260—434)

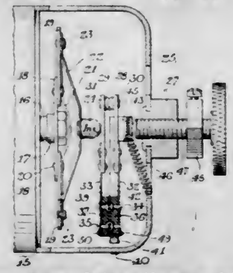
1. A process for the monomercuration of aromatic compounds which comprises adding a mercurating agent to an aromatic compound at a sufficiently slow rate that the concentration of the mercurating agent in the reaction mixture does not exceed 0.05 gram-moles per liter.

2,353,313
INTERNAL-COMBUSTION ENGINE
Fred A. Lane, Shelburn, Ind., assignor to Lane Motors Incorporated, Shelburn, Ind., a corporation of Indiana
Application May 28, 1941, Serial No. 395,604
9 Claims. (Cl. 74—569)



1. For use with a rotor in the nature of a cylinder having a continuous groove in the peripheral face thereof having intersecting runs, the side walls of said groove being parallel from top to bottom to provide straight thrust-receiving walls, a follower including a rotatable pin adapted to project into said groove, that portion of the pin adapted to project into said groove being of constant diameter throughout its length, and guiding ribs of substantially the same vertical extent as the groove engaging portion of the pin disposed on said follower in front of and to the rear of said pin, the combined length of said ribs and pin being greater than the width of said groove to bridge the reaches of the intersection.

2,353,314
SPEED REGULATING APPARATUS
Royal Lee, Milwaukee, Wis., assignor to Lee Engineering Research Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application December 26, 1941, Serial No. 424,450
10 Claims. (Cl. 200—80)



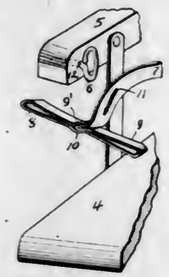
1. In a speed regulator, the combination of a rotatable member, centrifugally influenced means rotatable with said member and including an inertia element resiliently coupled to said member, said inertia element having a limited freedom of movement in a tangential direction with respect to said member and being responsive to the rate of change in the speed of said member, a shiftable member operatively connected to said inertia element and having a component of axial movement with respect to said rotatable member in response to the movements of said inertia element, and means responsive to the movements of said shiftable member.

2,353,315
LEAD HEAD NAIL
James S. Maze, Peru, Ill., assignor to W. H. Maze Company, Peru, Ill., a corporation of Illinois
Application May 10, 1941, Serial No. 392,840
2 Claims. (Cl. 85—28)



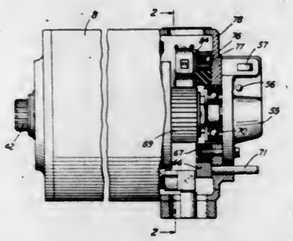
1. In a lead head nail of the character described, the combination with a pointed shank having a thin relatively small diameter substantially flat shank flange, and an axial striking projection extending materially above said shank flange, of a substantially cylindrical lead head completely enclosing said flange and of a diameter to form a relatively thick wall around the periphery of said shank flange, said lead head having a thick marginal flange extending toward the point of said shank, the major portion of said marginal flange being outside the diameter of said shank flange.

2,353,316
BREAST STRAP FASTENER
Albert B. Muller, Fort Wayne, Ind., assignor to Juvenile Wood Products, Inc., a corporation of Indiana
Application August 17, 1942, Serial No. 455,067
6 Claims. (Cl. 155—189)



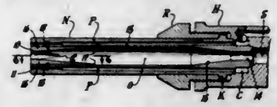
6. A fastening means for securing a breast strap to the arm of a chair, said means consisting of an anchor secured to the chair arm provided with a looped portion, and a pull-fold on the strap end to be secured, said strap having a buttonhole disposed longitudinally made therein at a point adjacent said pull-fold, said strap being secured to the anchor when buttoned thereon and the pull-fold is subsequently inserted through said looped portion.

2,353,317
ELECTRICAL APPARATUS
Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Original application August 27, 1941, Serial No. 408,531. Divided and this application November 27, 1942, Serial No. 467,145
2 Claims. (Cl. 171—324)



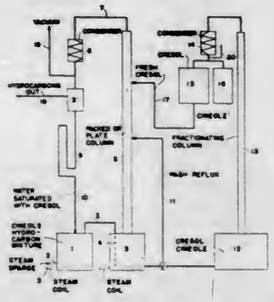
1. The combination, with a motor armature and commutator, of a supporting housing including a bearing assembly at the commutator end of the motor, a set of brushes engaging said commutator, and means including a ring surrounding said bearing assembly for disengaging said brushes from said commutator, said brush disengaging means further including wire receiving terminals for the respective brushes, each wire receiving terminal having an arm projecting laterally therefrom, a plurality of cam surfaces on said ring, each cam surface being engageable with one of said wire receiving terminals to raise the brush carried therein, and an annular ring of insulating material to hold said first-named ring in spaced relation to said bearing assembly.

2,353,318
NOZZLE FOR DESURFACING METAL
Arthur P. Scheller, Irvington, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application March 8, 1940, Serial No. 322,965
6 Claims. (Cl. 158—27.4)



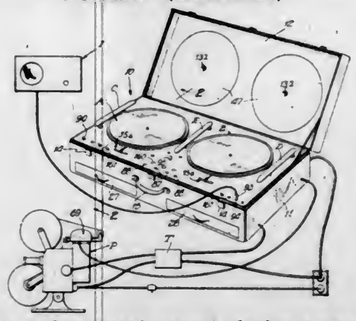
1. A blowpipe nozzle having an axial oxygen passage therethrough, said passage having an inlet portion, a laterally wide discharge orifice and an intermediate portion of slightly larger cross-sectional area than said discharge orifice, the upper and lower walls of said passage gradually converging from said intermediate portion to said discharge orifice and the lateral side walls of said passage diverging from the width of said intermediate portion to said discharge orifice, the divergence of said side walls beginning at a transverse plane between the discharge orifice and the transverse plane where the upper and lower walls begin to converge, and the degree of divergence of said side walls being such that the cross-sectional area of the discharge orifice is substantially equal to the cross-sectional area of the passage at the plane where the divergence of the side walls begins.

2,353,319
SEPARATION OF CINEOLE FROM HYDROCARBONS
Donald H. Sheffield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application April 12, 1941, Serial No. 388,238
14 Claims. (Cl. 202—40)



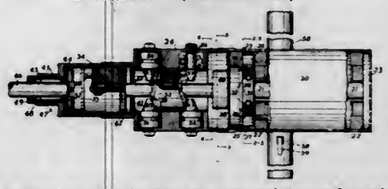
1. The method of separating cineoles from hydrocarbons of similar boiling range which comprises subjecting the cineole-hydrocarbon mixture to steam distillation under a vacuum of 27 to 28 inches of mercury, passing the cineole-hydrocarbon water vapors so formed into a cresol solution, whereby the cineole forms an addition compound with the cresol, maintaining the temperature of the cresol within the range of 50–65° C., whereby the hydrocarbons distill off, passing the hydrocarbon vapors together with any cineole, cresol and water vapors through a plate column in countercurrent relation to cresol and a cresol-cineole mixture, withdrawing the hydrocarbons as a separate distillate fraction and separately distilling the cineole-cresol mixture to recover the cineole in a substantially pure state.

2,353,320
SOUND SYNCHRONIZING APPARATUS FOR MOTION PICTURES AND PHONOGRAPHIC RECORDINGS
Francis S. Sinclaire, Brooklyn, N. Y.
Application September 17, 1941, Serial No. 411,206
7 Claims. (Cl. 274—10)



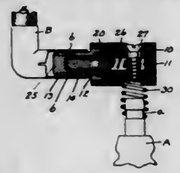
2. In a phonograph record playing apparatus, a rotatable turntable, an electric motor circuit including a source of electrical energy, an electric motor arranged in said circuit for rotating said turntable, a control switch arranged in said circuit for closing the same to energize said motor, an automatic stop mechanism for stopping the rotation of said turntable including a rotatable ratchet disk, an electro-magnetically actuated pawl engaging the ratchet teeth of said ratchet disk, an electric circuit including a source of electric energy and in which the electro-magnetically actuated pawl is arranged, a make and break switch arranged in said last circuit and operable on each revolution of said turntable for intermittently closing said last circuit and correspondingly energizing said electro-magnetically actuated pawl, and electrically controlled means responsive to a partial predetermined degree of turning movement of the ratchet disk for effecting an opening of the motor circuit to correspondingly stop the rotation of said turntable.

2,353,321
IMPACT ELEMENT ACTUATING MEANS
Benjamin W. Snodgrass, Denver, Colo.
Application June 6, 1941, Serial No. 396,832
8 Claims. (Cl. 255—43)



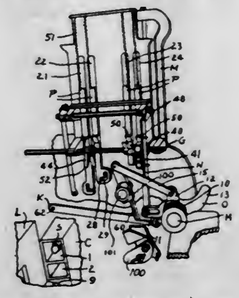
1. A mechanical hammer, comprising a housing, an impact element mounted for rotation and axial reciprocation in and adjacent one end of said housing, spaced rebound abutments carried by said housing for alternative engagement by opposite ends of said impact element to limit reciprocatory travel thereof, a stem fixed to and projecting axially from said impact element through one of said abutments toward the opposite end of said housing, a double-acting cam fixed to said stem, cam followers carried by said housing and alternately engageable by opposite working faces of said cam to reciprocate said impact element, said cam followers and their respective cam working faces being so associated as to engage for actuation of said impact element only when the latter is out of contact with said abutments, and power means in said housing operatively engageable with and for rotation of said stem, cam and impact element.

2,353,322
RESISTOR FOR SPARK PLUGS
Lester L. Stoffel, Lakewood, and Alfred A. Stark, Cleveland, Ohio, assignors to The Ohio Carbon Company, Cleveland, Ohio, a corporation of Ohio
Original application December 12, 1941, Serial No. 422,752. Divided and this application July 13, 1942, Serial No. 450,672
5 Claims. (Cl. 201—63)



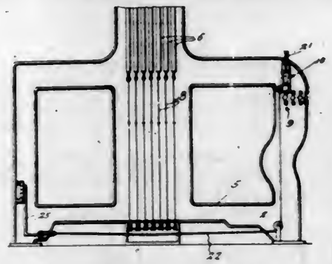
1. A resistor for spark plugs comprising a body, means carried thereby for attachment of a conductor, a resisting element in the body, a coiled spring carried by the body and adapted to coact with the stem of the spark plug, a screw insertable into the body for clamping the spring thereto and a conductor in the body electrically connected at one end with the coiled spring and at the other end with the resisting element.

2,353,323
BOBBIN TRANSFER MECHANISM FOR LOOMS WITH STATIONARY MAGAZINES
Joseph Stuer, Lawrence, Mass.
Application June 29, 1940, Serial No. 343,230
8 Claims. (Cl. 139—232)



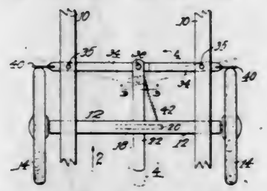
4. In a bobbin changing mechanism for a loom; a plurality of cradle actuating slides each slide held by a spring to normally retain a cradle in bobbin receiving position and each having a nose; a revoluble slide finger shaft rotatable step by step in one direction only, said shaft carrying a plurality of slide operating fingers carried by the shaft one of which, when the slide finger shaft rotates, engages the nose of a slide and against its slide spring moves that slide and its cradle so as to release a bobbin and continuing to move, releases the nose to allow the spring to return the slide and to return its cradle to bobbin receiving position; said slide spring and means to so rotate the slide finger shaft.

2,353,324
STOP MEANS FOR LOOMS
Floribert H. Tetreau, Uxbridge, Mass.
Application April 27, 1943, Serial No. 484,747
2 Claims. (Cl. 139—337)



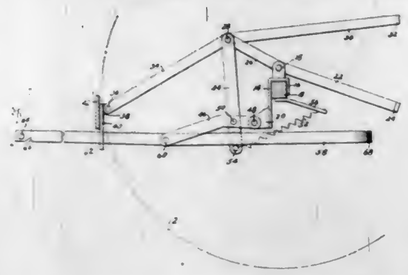
1. In a loom structure, harness frame provided with harness straps, an elongated flexible element anchored at one end and provided at its opposite end with stop motion operating means, said elongated flexible element being disposed in a position underlying certain of the straps so that in the event one of the straps breaks, the weight of the strap imposed on the elongated element will effect operation of the stop mechanism, said stop motion operating means comprising a pair of contact elements, a member bridging the contact elements, a spring support for the bridging member, said elongated flexible element being attached to the bridging member, and a conductor element provided with outwardly disposed bulges against which the contacts can engage, said bridging member being of U shape to straddle the conductor elements.

2,353,325
BRAKE FOR BABY CARRIAGES, ETC.
William C. Troendle, Gardner, Mass., assignor to Thayer Company, Gardner, Mass., a corporation of Massachusetts
Application June 8, 1942, Serial No. 446,269
13 Claims. (Cl. 188—20)



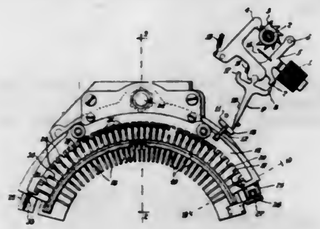
1. In a vehicle brake of the class described, the combination with a frame member, a wheel, and a second frame member substantially parallel to the axis of the wheel; of an element mounted on said second frame member for sliding movement transversely thereto, a brake rod pivoted to said first named frame element, a pivot connection between said brake rod and said slidable element, means normally and yieldingly urging said element toward one limit of its sliding movement, means adapted to latch said element adjacent the opposite limit of its sliding movement, said brake rod being effective to engage and brake said wheel under influence of said element when the latter is latched, said element-latching means comprising a slot in said element, a relatively fixed rod or the like passing through said slot, and a notch in said slot for receiving the rod to latch the element.

2,353,326
SAFETY STAND FOR BABY CARRIAGES
William C. Troendle, Gardner, Mass., assignor to Thayer Company, Gardner, Mass., a corporation of Massachusetts
Application November 4, 1943, Serial No. 508,915
8 Claims. (Cl. 280—44)



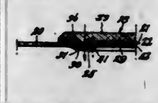
1. In a device of the class described, the combination with an axle and wheels of a carriage or the like, of a lever pivoted at a fixed point on the carriage, a second lever pivoted to the first named lever, a slidable ground-engaging stop element, an operating device connecting the stop element and both levers, said operating device being effective to slide the stop element downwards and outwards relative to the axle upon actuation of said first named lever.

2,353,327
ERROR INDICATOR FOR START-STOP PRINTERS
James C. Warwick, Beechhurst, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 26, 1942, Serial No. 467,022
18 Claims. (Cl. 178—69)



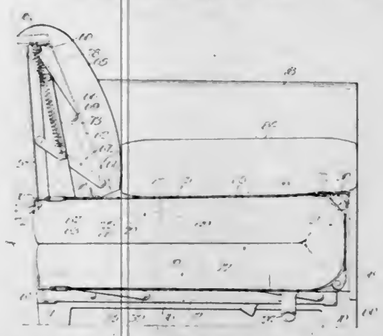
1. In telegraph printers, a plurality of message type levers, an error type lever, a plurality of slotted code bars, message control bars extending across said code bars adapted to produce operation of the message type levers, means controlled by signal current for selectively moving the code bars to align slots adjacent the selected one of the message control bars, means for moving the message control bars into said slots when aligned adjacent thereto, an error bar extending across said message control bars, means for moving the error bar transversely of the message control bars, said message control bars being in the path of movement of the error bar and preventing its movement when in said aligned slots and means for printing an error indication when the error bar moves past the message control bars through their failure to enter the code bar slots.

2,353,328
CARD RETAINER ATTACHMENT FOR CASES
Sydney H. Winston, New York, N. Y.
Application January 5, 1943, Serial No. 471,317
9 Claims. (Cl. 40—10)



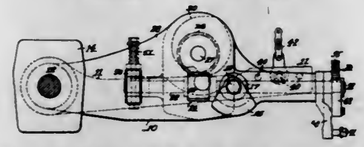
1. In combination with the lid of a case of the class described, a retainer member comprising a transparent front panel, walled means extending rearwardly from the panel to form a laterally enclosed chamber, a transparent rear backing member supported by said walled means and in spaced relation to said front panel, inscription-bearing cards in said chamber between said panel and backing member and visible therethrough, said walled means containing undercut portions at the outer surfaces thereof, said lid containing an aperture therein, the walled means of said retainer extending through the aperture with said undercut portions in supporting engagement with the lid in the region of the aperture.

2,353,329
SOFA BED
Edward E. Woller, Kenosha, Wis., assignor to Simmons Company, a corporation of Delaware
Application May 15, 1941, Serial No. 393,523
3 Claims. (Cl. 5—31)



1. In a sofa bed of the class described, the combination of a main supporting frame including a normally horizontally disposed, rectangular frame structure, a foldable bed bottom comprising inner and outer sections and a hinge section intermediate said inner and outer sections and pivotally connected at its ends respectively to said inner and outer sections, said bed bottom sections being foldable from co-planar bed position to sofa seat forming position wherein the outer section is disposed in spaced, superposed and approximately parallel relation to said inner section and said hinge section extends generally vertically between the connected ends of said inner and outer sections, a pair of parallel links having their lower ends pivotally connected to said horizontal main frame and their upper ends pivotally connected to said inner section, said foldable bed frame structure being thereby movable from coplanar bed position to folded sofa seat position wherein said inner section is disposed in lowered and rearwardly disposed position closely adjacent the normal plane of said horizontal supporting frame, means for controlling the folding movement of said hinge section relative to said inner section comprising a bell crank arm extension of one of said parallel links and a thrust rod pivotally connected at its opposite ends to said bell crank arm and to said hinge section, spring means connected between a portion of said main frame structure and one of said parallel links for normally urging said inner section to move upwardly and forwardly relative to said main frame, whereby initial upward and forward unfolding movement of said outer section will automatically be accompanied by upwardly and forwardly directed unfolding movement of said inner section and unfolding movement of said hinge section, a member for covering the space between the hingedly connected ends of said inner and outer sections when in sofa seat forming position, and means connecting said member to the bed bottom frame for movement from operative position closely adjacent the hingedly connected ends of said inner and outer sections to materially spaced relation thereto when the bed bottom is unfolded, said last mentioned means embodying a connection to one of said parallel links for controlling said movement of the cover member automatically as an incident to the folding and unfolding movement of the bed bottom sections.

2,353,330
BUILDER MECHANISM
Edward Haggerty, Albert O. Roy, and Robert Hargreaves, Whitinsville, Mass., assignors to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application December 30, 1942, Serial No. 470,598
2 Claims. (Cl. 242—43.3)

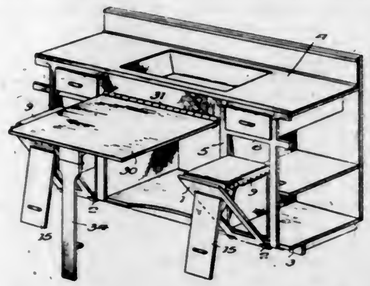


1. In a builder mechanism, a main builder lever, an auxiliary builder lever to which a builder chain is connected, said main and auxiliary levers being mounted on a common axis, a main builder cam constantly rotated to give said main builder lever swinging movements of fixed arc and said auxiliary lever being correspondingly swung by and with said main lever, an auxiliary cam rotatably mounted on said main builder lever and effective to give said auxiliary lever an additional swinging movement, a feed shaft rotatably mounted on said main lever and extending longitudinally thereof, a brake device for said feed shaft, a worm and worm gear connection between said feed shaft and said auxiliary cam, and intermittently-operated automatic ratchet feed devices for said feed shaft, located at the free swinging end of said main lever.

2,353,331
CABINET STRUCTURE
Hansell Hall, Miami, Fla.
Application April 8, 1941, Serial No. 387,488
3 Claims. (Cl. 155—83)

1. In a cabinet structure, frame members forming a vertical opening in the face of the cabinet, a panel member adapted, when in vertical position, to form a closure for said opening and pivotally secured at its bottom to the cabinet frame, and adapted to be swung outwardly from the frame, a seat pivotally attached to the oppo-

site end of said panel and adapted to be swung into a horizontal position when the panel has been swung outwardly away from the opening, means for holding the seat in said horizontal



position, a rigid member pivotally secured to said opposite end of said panel and adapted to form a support therefor and means for limiting movement of said rigid member relative to said panel.

2,353,332
BINDING TAPE OR BANDAGE
Newton L. Hall, Long Beach, Calif.
Application October 11, 1943, Serial No. 505,887
8 Claims. (Cl. 128—156)



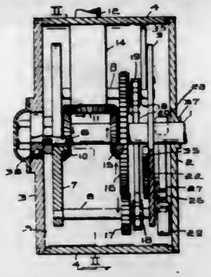
1. A binding tape including a continuous strip of nonadhesive material having a plurality of adhesive areas on one face thereof spaced apart along the length thereof, the material of the strip being folded back upon itself to form flat folds covering and adhering to the adhesive areas, said folds capable of being separated from the adhesive areas by exerting tension upon the same to open the adhesive areas, thereby exposing the said areas to perform their adhering function in applying the tape.

2,353,333
FOOD PRODUCT
Samuel B. Harris, Cristobal, C. Z.
No Drawing. Application September 3, 1940, Serial No. 355,233
8 Claims. (Cl. 99—204)

1. The method of making a banana product which consists in treating the outer surface of a ripened banana fruit substance with an acidulated solution without materially altering the pulp consistency and then immediately subjecting the treated fruit to a drying atmosphere while the acid solution penetrates the core of the banana and the banana is being dried to a desired firmness.

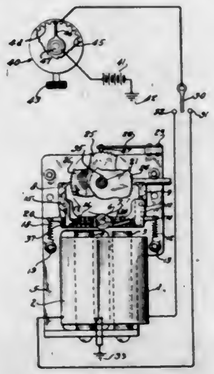
2,353,334
CONSTANT LOAD TRANSMISSION
Virgil V. Haugh, Tiffin, Ohio
Application April 27, 1942, Serial No. 440,616
5 Claims. (Cl. 170—162)

1. A drive shaft, a driven member, direct transmission connection therebetween, and an additional relatively shiftable speed controlled connection opposing the transmission connection and including a flyweight pivotally mounted eccentric of the drive shaft, a gear swingable with the fly-



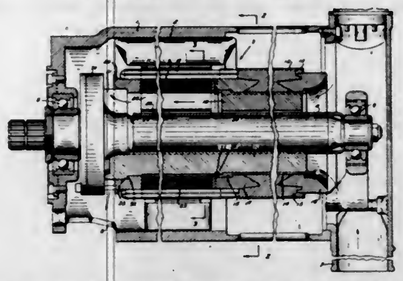
weight, there being a bearing for the gear spaced from the pivotal mounting for the flyweight, and meshing means from the gear connecting the drive shaft to the driven member to oppose the transmission connection.

2,353,335
CONTROL DEVICE
Ralph M. Heintz, Cleveland, and Bert G. Carlson, Erieside, Ohio, assignors to Jack & Heintz, Inc., Cleveland, Ohio
Application January 27, 1942, Serial No. 428,420
9 Claims. (Cl. 244—77)



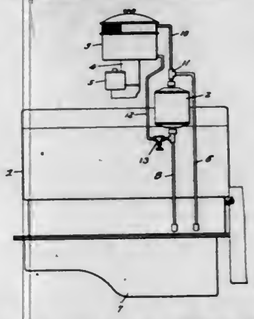
1. In combination with an aircraft and an automatic pilot therefor employing a directional gyro assembly and a device for rudder control and turn of the aircraft, a prime mover for said assembly including a rotatable shaft, means for controlling the speed of rotation of said shaft in either direction, said means comprising a pair of independently and selectively electrically energizable devices for advancing said shaft in step by step rotation in either selected direction, an adjustable timing device for automatically and alternately energizing and deenergizing the selected one of said electrical devices, and switch means between said timing device and said electrical source of power, whereby said shaft is automatically rotated at a constant speed predeterminedly selected and set up in said timing device and continuously rotated in the desired direction predeterminedly selected and set up in said switch means until said switch means is thrown to a neutral or opposite control position.

2,353,336
ARMATURE CONSTRUCTION
Ralph M. Heintz, Cleveland, and Philip F. Scofield, Cleveland Heights, Ohio, assignors to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application December 23, 1942, Serial No. 469,892
2 Claims. (Cl. 171—252)



1. In an air cooled armature construction, a shaft, a plurality of external fins on said shaft, and a stack of armature laminations carried by said fins, said laminations having aligned apertured tongues extending between said fins to provide air passageways between said tongues and said fins and also through said apertures.

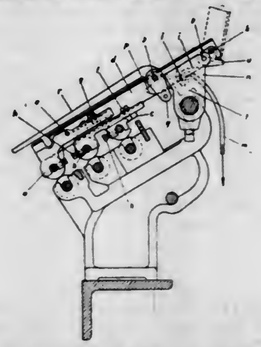
2,353,337
TEMPERATURE REGULATOR FOR INTERNAL-COMBUSTION ENGINES
Charles E. Henkelman, Atlantic City, N. J.
Application October 29, 1942, Serial No. 463,836
1 Claim. (Cl. 123—122)



In an internal combustion engine of the type embodying an internal oil pump, an oil filter, a carburetor air cleaner, and intake and discharge pipes extending between said filter and the output and intake sides of said pump, respectively, an air preheating coil in said cleaner, and a pair of inlet and outlet pipes extending from opposite ends of said coil to said intake and discharge pipes of said filter and bypassing all around the filter.

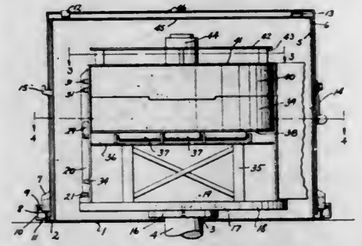
2,353,338
DRAW FRAME
Heinrich Otto Hess, Winterthur, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland
Application April 17, 1942, Serial No. 439,433
In Germany March 28, 1941
3 Claims. (Cl. 19—135)

1. In a draw frame a weighting device, comprising a stationary supporting member provided with an extension piece, a double-armed lever articulated to said supporting member, a weight hook engaging one end of said lever, a weighting rail articulated to the other end of said lever, saddles flexibly fixed to said weighting rail, and



a weighting lever rotatably arranged on said weighting rail and having a continuation which at the application of weight engages below said extension piece for supporting said weighting lever.

2,353,339
CENTRIFUGAL CASTING MACHINE
Nathan Janco, Tulsa, Okla.
Application May 16, 1942, Serial No. 443,225
10 Claims. (Cl. 22—65)



1. In a centrifugal casting machine, a table, means for rotating said table, a flask body mounted on said table and comprising a plurality of separable segmental parts, one of which is secured to the table, whereby said flask body may be opened to permit lateral insertion and removal of a mold, means for latching the parts of the flask body together with a mold therein, a cover adapted to rest upon a mold in said flask body, and lock means carried by the flask body for engaging said cover to hold down the mold during the pouring operation.

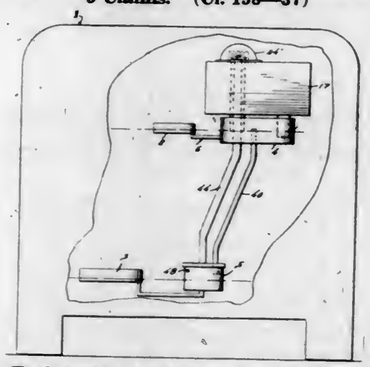
2,353,340
CIGARETTE-MAKING DEVICE
Frank J. Jurek, Buffalo, N. Y.
Application February 20, 1942, Serial No. 431,671
7 Claims. (Cl. 131—58)



1. Cigarette making means comprising an elongate container open at its upper side, a pair

of relatively thin elongate clamp bars disposed lengthwise of said container and adapted to lie flatwise against each other in clamping position, resilient means urging said clamp bars to separated position to dispose the marginal portion of a cigarette wrapper therebetween, said clamp bars being disposed for joint revolution in said container with their thin dimensions extending radially with respect to the circle of revolution and the outer clamp element in engagement with the container for retaining the clamp bars in clamping engagement, whereby a wrapper engaged by said clamp bars may be drawn into said container and rolled into circular form, said clamp bars being movable jointly outwardly of said container at one end whereby a completed cigarette may be withdrawn from encircling relation with respect to the clamp bars.

2,353,341
FUEL SUPPLY
John Klonaris, Kankakee, Ill., assignor of one-third to Bernard C. Curby and one-third to George Craidon, both of Kankakee, Ill.
Application February 19, 1941, Serial No. 379,668
5 Claims. (Cl. 158—37)



1. Fuel supply apparatus for use with a pair of upper and lower burners of a liquid fuel burning stove, said apparatus comprising a pair of upper and lower fuel feed receptacles adapted for feeding fuel to said pair of burners, respectively, a gravity feed fuel supply tank surmounting the upper receptacle and having a discharge neck depending into said upper reeceptacle, a fuel discharge line leading from the bottom of the upper receptacle to the lower receptacle and terminating in an upstanding end in the upper receptacle, means to maintain a constant level of fuel in the upper receptacle below the top of said end of said line adapted to be rendered effective under feed of fuel from the upper receptacle, and means to cause said level of fuel to rise and overflow through said end and line into the lower receptacle adapted to be rendered effective under feed of fuel from the lower receptacle.

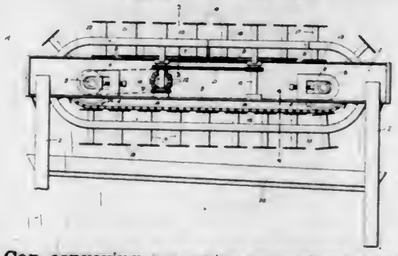
2,353,342
UNDERGARMENT
Isadore Lawrence Lesavoy, Allentown, Pa.
Application January 23, 1943, Serial No. 473,282
4 Claims. (Cl. 128—159)

1. A garment of ribbed knitted material containing a shirt portion and two coacting crotch portions comprising a pouch portion extending downwardly from the forward part of the shirt portion and curled rearwardly to form a pocket open at the top, and a supplementary support extending downwardly from the back part of the shirt portion and adapted for overlapping engagement with said pouch portion; and fastening means associated with the front of said shirt portion and the free end of said support, the position of the fastening means being such that when the crotch portions are in their operative positions the lowermost portion of the support will be in underlying supporting engagement with the lowermost part of the pouch portion and



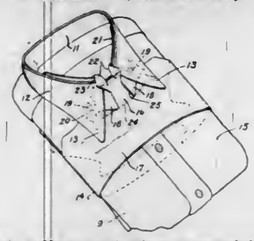
leg openings will be formed by said support and the lower parts of the shirt portion; the ribs of the material extending substantially longitudinally of the garment; the material in the region of said leg openings being spread laterally of the ribs, whereby the leg openings are of enlarged proportions; and seamed means holding the said spread portions of the material in their expanded condition.

2,353,343
CAN DRAINER
Kurt Alfred Leuschner, Monterey, Calif.
Application April 14, 1941, Serial No. 388,351
1 Claim. (Cl. 226—22)



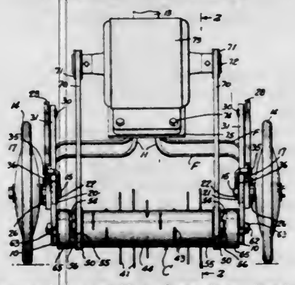
Can conveying apparatus comprising a driven rotary conveyor mounted to rotate in a vertical plane, a plurality of circumferentially spaced can receiving and supporting units mounted on and projecting radially out from the periphery of said conveyor, each unit comprising a pair of radially spaced can-end engaging and supporting members disposed in facing relation and one of which is non-movable relative to the conveyor, a rigid arm unit connecting each pair of members on one side and comprising separate elements fixed on and extending from the corresponding members, and means securing said elements together for longitudinal adjustment to alter the spacing between the can engaging members; a can locating cradle fixed on the element of said one can-end engaging member and opening laterally of the conveyor toward the other side of said members, and a fixed can guide rail extending alongside the conveyor adjacent said other side of the members and substantially opposite the cradles radially of the conveyor.

2,353,344
SHIRT AND COLLAR PROTECTOR
Stephen Lighter, Milwaukee, Wis.
Application October 25, 1943, Serial No. 507,552
5 Claims. (Cl. 229—87)



1. A shirt collar protector comprising, a panel formed for coaction with the outer front portion of the collar band of a folded shirt beneath the outer collar and collar lapels, a collar band supporting plate swingably connected at its medial portion to the upper central portion of said panel, and a pair of hook elements formed integral with and disposed on opposite sides of the medial connection between said panel and plate, said elements being directly engageable with adjacent portions of said plate to clamp the latter against the interior of the collar band.

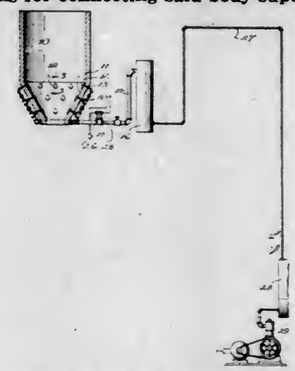
2,353,345
LAWN RENOVATING MACHINE
Segfrid J. Lindskog, Los Angeles, Calif.
Application September 8, 1941, Serial No. 410,015
9 Claims. (Cl. 97—40)



1. In a machine of the class described, a frame having slots disposed vertically in the working position of the machine; a cutting element rotatably mounted in the frame; wheels having axles mounted in said slots for adjustment along the lengths thereof to vertically adjust the wheels relative to the frame so as to vary the height of the cutting element with respect to the ground surface supporting the wheels; adjusting arms pivotally mounted on the frame and receiving said axles to shift the latter along the lengths of the slots in response to pivotal movement of the arms; and means co-acting with the arms to releasably retain the latter in any one of a plurality of adjusted positions.

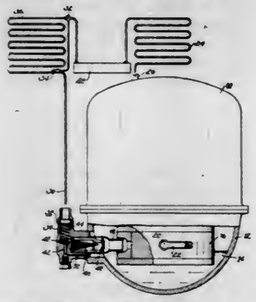
2,353,346
HOPPER NOZZLE
Henry H. Logan, Chicago, Ill., assignor to Logan Engineering Co., Chicago, Ill., a corporation of Illinois
Application December 7, 1939, Serial No. 308,015
10 Claims. (Cl. 222—1)

6. In combination with the downwardly sloping inner surface of a hopper adapted for containing and directing compactible discrete material downwardly toward an outlet in the hopper, pneumatic flow accelerating means including a pressure fluid nozzle having a generally flattened body open on one face and enclosed on its opposite face by a thin arched outer wall, and means for connecting said body superficially



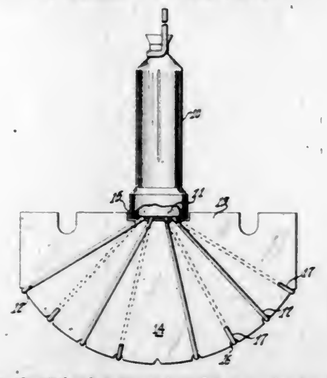
on the hopper surface in such relation that the underlying portion of the hopper surface closes said open face and cooperates with said nozzle wall to form a chamber for receiving pressure fluid, the lower edge of said body having a narrow slot-like discharge mouth for directing downwardly along said hopper surface a generally flat jet of the pressure fluid.

2,353,347
REFRIGERATING APPARATUS
Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 13, 1941, Serial No. 410,752
7 Claims. (Cl. 62—8)



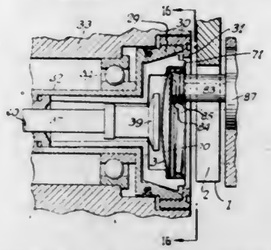
1. In combination; an evaporator, a condenser; a compressor including a lubricant supply casing into which said compressor discharges; refrigerant flow connections between said evaporator, condenser and compressor including a suction line between said evaporator and the inlet of said compressor; and means for restricting the flow of refrigerant in said suction line; said means comprising a passage leading from a point below the lubricant level in said lubricant supply casing to the suction line, a plunger disposed in said passage preventing the flow of lubricant through said passage and having means for restricting the flow of refrigerant in said suction line in a predetermined position of said plunger, and spring means for opposing the force exerted by the lubricant against said plunger.

2,353,348
ELECTRICAL CONNECTOR FOR TUBES
Kenneth McLaughlin, Summit, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 5, 1943, Serial No. 497,528
6 Claims. (Cl. 250—27.5)



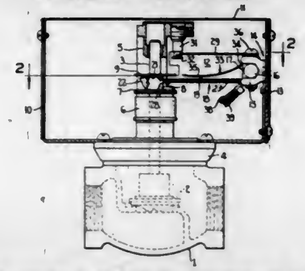
1. An electrical connector for an electrical device having an envelope with an end wall and a plurality of leads sealed in and extending outwardly from said end wall, comprising a sheet of insulation affixed to and abutting edge-on against said end wall and projecting vertically from said end wall, said leads extending along side and secured in place on said sheet with portions remote from said end wall spaced a distance greater than the spacing between said leads at said end wall.

2,353,349
METHOD FOR THREADING CLOSURE CAPS
Augustus L. Merolle, Brooklyn, N. Y., assignor to Empire Metal Cap Co., Inc., Brooklyn, N. Y., a corporation of New York
Original application August 2, 1941, Serial No. 405,124. Divided and this application December 4, 1941, Serial No. 421,617
2 Claims. (Cl. 153—72)



1. The method of forming a concealed thread in a single-shell metallic closure provided with a blank skirt with an incurled bead which comprises the steps of positioning the closure, rotating the closure about its own center and revolving the closure and a thread forming tool about a common center, gradually moving the thread forming tool into contact with the incurled bead and longitudinally of the closure thereby forming a thread in the bead and then while both closure and thread forming tool are being still revolved about the common center displacing the thread forming tool radially from contact with the closure and longitudinally removing it from the closure.

2,353,350
ACTUATING MEANS
Carl H. Millerwise, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application September 14, 1942, Serial No. 458,207
6 Claims. (Cl. 60—23)

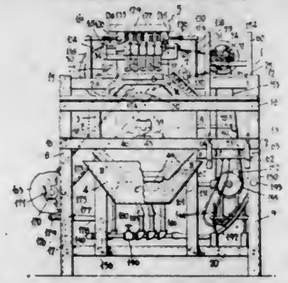


1. An automatic actuator comprising a control device, a bimetal operating element for moving said device, electric heating means for said element, a movable supporting member for said element, a bimetal compensating element operable to move said supporting member to change the position of said operating element relative to said device, and a heat conducting member operable to transmit heat to said compensating element from said operating element, said conducting member being spaced from one of said elements and engaged with the other of said elements and being engageable with said one element upon movement of said operating element thereby to control the movement of said device by said operating element by conduction of heat from said operating element to said compensating element.

2,353,351
PROCESS FOR THE MANUFACTURE OF 1-AMINOBENZENE-4-SULPHO-2-CARBOXYLIC ACID
Eduard Moser, Basel, Switzerland, assignor to the Swiss firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application February 5, 1943, Serial No. 474,880. In Switzerland January 13, 1942
2 Claims. (Cl. 260—507)

1. Process for the manufacture of 1-aminobenzene-4-sulpho-2-carboxylic acid, comprising heating the sulphate of anthranilic acid at a temperature in the neighborhood of 200° C.

2,353,352
MACHINE FOR APPLYING DECALCOMANIAS
William M. Muir, South Orange, N. J.
Application July 15, 1941, Serial No. 402,548
21 Claims. (Cl. 41—1)



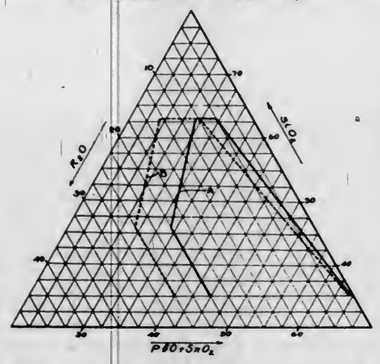
1. In a machine for applying decalcomanias having a support provided with impaling means for holding a strip of decalcomanias in fixed position thereon, a feeding mechanism comprising a magazine for a supply of strips of decalcomanias, a perforated plate for removing a single strip of decalcomanias from said magazine, said perforations cooperating with said impaling means to transfer said single strip of decalcomanias to a predetermined position on said support, and mechanism for intermittently moving said member between said magazine and said support.

2,353,353
RAIL FASTENER
Moses L. Myer, University City, Mo.
Application June 21, 1941, Serial No. 399,129
3 Claims. (Cl. 238—349)



1. A rail clip consisting of a single piece of folded strip spring material, the composite clip thus consisting of two plies of such material having an upper and a lower leg angularly disposed with relation to each other, the end of the upper leg terminating in a loop of the strip material with the free ends of the strip at the end of the lower leg, the folds of the material at the lower leg being offset from each other each fold having an edge extending beyond the adjacent edge of the other and at least one having saw-tooth serrations, such edges being substantially parallel, whereby the serrated edges will engage opposite walls of a hole in a relatively thick portion of a tie plate in which the lower leg is placed while the upper leg engages the upper surface of the base of a rail with a number of serrations engaging the side of the hole and without the end of the lower leg extending substantially below the bottom of the plate.

2,353,354
BLACK GLASS
Martin E. Nordberg, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application March 24, 1941, Serial No. 384,977
15 Claims. (Cl. 106—53)

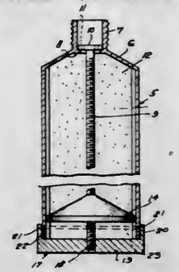


1. A reduced glass which will become black throughout when slowly cooled or heated through its upper annealing range but which will be clear or white when rapidly cooled from some higher temperature; which contains silica, alkali oxide, lead oxide, and tin oxide, the silica being not over 63%, the alkali oxide (R_2O) being from about $(5+2A)-(.17+.07A)X\%$ to $(8+5A+.7X)\%$ but not over $(20+5A)\%$, where A is the ratio

$$\frac{K_2O}{R_2O}$$

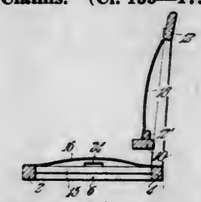
and X is the deficiency in silica below 63%, the remainder being substantially lead oxide and tin oxide, at least a portion of the lead and tin being in a low state of oxidation.

2,353,355
DISPENSING CONTAINER
Joe Okies, El Paso, Tex.
Application March 13, 1942, Serial No. 434,579
1 Claim. (Cl. 221—79)



A dispensing container comprising a tube having a reduced discharge neck at the front end thereof, means to discharge the contents of the tube out of said neck comprising a rotary screw shaft in the axis of the tube, a piston threaded onto the shaft for feeding forwardly under rotation of the shaft, and a closure cap for the rear end of said tube rotatable on said end and fixed to said shaft, and means to oppose end thrust of said shaft and piston rearwardly and providing a bearing for the front end of the shaft comprising an annular rib in said neck, and a circular flat head fast on said front end of the shaft fitting in said neck for rotation therein and bearing against said rib, said head being apertured to permit passage of the contents of the tube through the same.

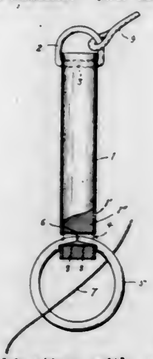
2,353,356
FURNITURE CONSTRUCTION
Arthur J. O'Leary, Longmeadow, Mass.
Application October 10, 1942, Serial No. 461,554
2 Claims. (Cl. 155—179)



1. The combination with the relatively immovable spaced longitudinal and spaced transverse frame rails of furniture of resilient supporting means comprising, spaced transverse yieldable bowed members provided with slots in its opposite ends and having said opposite ends on said longitudinal rails, securing members secured to said rails disposed in said slots whereby the ends of the members may move on the rails as the bowed members yield downwardly, other yieldable longitudinal members below said first-

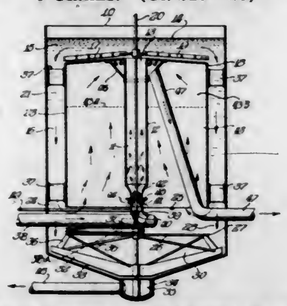
named yieldable members and extending between the transverse rails of the frame having ends resting thereon provided with slots in said ends adapted to be engaged by the first-named yieldable members as they yield, and securing members on said transverse frame members disposed in said slots whereby the ends of said other yieldable members may move on said transverse rails when they are acted upon by the first-named yieldable members.

2,353,357
FISHHOOK RETRIEVER
Ernest Paulick, Duluth, Minn.
Application June 10, 1943, Serial No. 490,365
4 Claims. (Cl. 43—30)



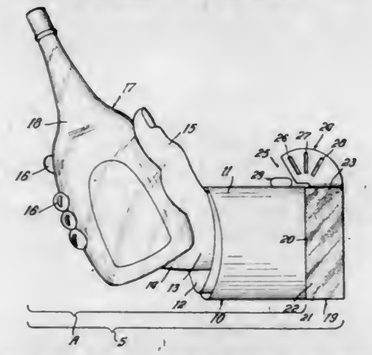
1. The combination with a retriever of the class described including an elongated body portion having a through hole therein adjacent one end and a manipulating tether attached to the other end, of a line receiving ring threaded within said hole said ring having a like angularly shaped notch formed adjacent each end and upon the inner wall thereof for cooperation in holding said ring in a certain predetermined position.

2,353,358
PRECIPITATION AND COAGULATION
Frank D. Prager, East Chicago, Ind., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind., a corporation of Delaware
Application October 16, 1941, Serial No. 415,219
9 Claims. (Cl. 210—16)



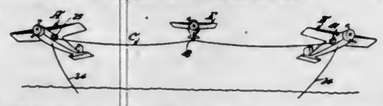
1. A process of liquid treatment by the formation and removal of sludge in a liquid body maintained in a tank, which body is divided by two concentric partitions into an inner mixing zone of small area, an outer channel of greater area, and an intermediate clarification zone of still greater area, with a transfer zone bridging said clarification zone, said transfer zone being located in an upper part of said tank, and formed by additional partition means which separate the transfer zone from the clarification zone but allow communication between the mixing zone and the outer channel through the transfer zone, said process comprising the steps of feeding an influent flow of the liquid to be treated and any chemical reagents required for the formation of sludge into said inner mixing zone, circulating liquid flows from a lower part of said clarification zone inwardly into said mixing zone, upwardly through the same, outwardly through said transfer zone into said outer channel, downwardly through said outer channel, and then in inward flows back into and through said lower part of said clarification zone, said circulating flows being mixed with said influent flow and reagents in said mixing zone and having such velocities and directions as to be gently agitative in said outward, downward and inward parts thereof, so as to be conductive to the coagulation of sludge, upwardly displacing liquid from said inward flows through said clarification zone to the top thereof in amounts corresponding to said influent flow, removing treated liquid from the top of said clarification zone, and removing sludge formed by said reagents from said lower part of said clarification zone.

2,353,359
ADVERTISING POSTER
Frank H. Rasmussen, Chicago, Ill., assignor to Magill-Weinsheimer Company, Chicago, Ill., a corporation of Illinois
Application January 30, 1942, Serial No. 428,860
6 Claims. (Cl. 40—126)



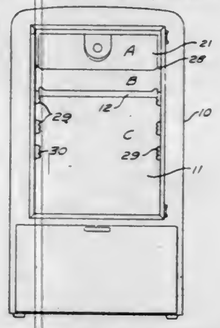
1. An advertising poster device comprising a sheet-like body having fold lines respectively defining pivotal axes within the plane of said body and substantially intersecting at substantially right angles, said body including a base portion embraced within the interior angle defined by said fold lines, an advertising portion separated from said base portion by one of said fold lines, and having an edge portion in substantial axial alignment with the other of said liines and a securing tab projecting edgewise from said edge portion perpendicularly to said other fold line, while said body is flat, and a holding portion of said sheet-like body separated from the base portion by the other fold line and having a slit-like cut-away means therein directed radially of the intersection point of said fold lines, said advertising portion being pivotal about the axis defined by the one fold line into a predetermined position of angularity with respect to said base portion, and said holding portion being pivotal about the axis defined by said other fold line into co-operative relation with said advertising portion to project the slit-like cut-away means over said tab for maintaining said advertising portion in said position of angularity.

2,353,360
MINE SWEEPING AND DISABLING APPARATUS
Adolph Ronning, Minneapolis, Minn.
Application March 2, 1940, Serial No. 321,885
7 Claims. (Cl. 244—1)



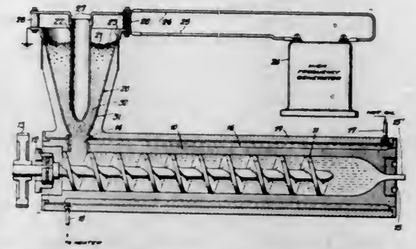
4. Apparatus for disabling mines of the type detonated by electromagnetic disturbances in the vicinity, comprising in combination, an electrically conducting cable adapted to be suspended between two aircraft and to be carried thereby over the mines, and means for inducing an electrical current flow along the cable to establish a electro-magnetic field about the cable and for detonating mines in the vicintiy of which the cable is passed.

2,353,361
REFRIGERATOR
Homer E. Rosebrook, Greenville, Mich., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application August 3, 1940, Serial No. 350,405
7 Claims. (Cl. 62—89)



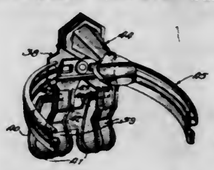
1. In a mechanical refrigerator including an insulated food storage chamber, a substantially imperforate horizontally extending partition disposed in the upper part of said chamber and arranged to form a freezing compartment thereabove, a second substantially imperforate horizontally extending partition disposed below and in closely spaced relation to said first partition and arranged to form a chilling compartment thereabove and a cooling compartment therebelow, each of said partitions being of a size to provide for only a limited circulation of air between the space thereabove and therebelow, said second partition being provided with an opening spaced inwardly from its perimeter, and an adjustable closure for said opening whereby to control the circulation of air between the space above and below said partition, and a refrigerant evaporator disposed in intimate heat exchange relation with said first mentioned partition and being directly exposed to the ambient atmosphere contained in the space between the two partitions, said evaporator comprising the sole means within the storage chamber for refrigerating the same.

2,353,362
EXTRUSION MOLDING APPARATUS
Wallace C. Rudd, Yonkers, N. Y., assignor to Induction Heating Corp., New York, N. Y., a corporation of New York
Application October 22, 1943, Serial No. 507,239
1 Claim. (Cl. 18—12)



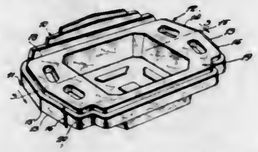
In combination with apparatus for extrusion molding of plastic material, an inlet hopper for the apparatus formed of an inverted generally conical shape, an electrode of substantially circular cross section suspended substantially coaxially within said hopper and insulated from the hopper walls, the lower end of said electrode being positioned just above the throat of the hopper and being tapered at an angle to provide approximately uniform spacing between such lower end and the adjacent portions of the hopper walls, the spacing between the higher portions of the electrode and the hopper walls progressively increasing upwardly, said walls including conductive material comprising another electrode substantially symmetrically arranged around said suspended electrode, and a high frequency source of power connected to said electrodes for maintaining an electrostatic field therebetween to dielectrically heat the plastic material as it enters the apparatus through the hopper.

2,353,363
WALL BRACKET
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application May 19, 1941, Serial No. 394,086
12 Claims. (Cl. 131—241)



1. A bracket for supporting a tray having a peripheral bead thereon comprising a substantially vertically extending wall-engaging plate, and two substantially horizontally therefrom-extending laterally spreadable resilient grooved arms for frictionally engaging the bead of said tray within the grooves thereof for the greater portion of the periphery of the tray.

2,353,364
WALL BRACKET
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application July 27, 1942, Serial No. 452,483
10 Claims. (Cl. 45—28)



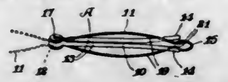
1. A bathroom fixture comprising, a bracket member having a vertical wall-engaging plate of greater width than height, resilient tray-holding arms of substantially channel-shaped cross-section secured to said plate adjacent each end thereof, and a tray having a peripheral bead portion slidable within said channel-shaped arms, a portion of said plate extending above said tray to serve as a wall guard.

2,353,365
FIXTURE AND HINGE BRACKET THEREFOR
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application July 27, 1942, Serial No. 452,484
6 Claims. (Cl. 45—28)



6. A fixture comprising a body portion having a longitudinally extending flat rear surface, a vertical transversely extending slot in said rear surface terminating at its upper edge in a portion shaped to provide a bearing surface, a latch receiving recess in the bottom wall of said body portion adjacent the lower edge of said slot, a wall engaging plate having a width less than the width of said slot and having means for securement to a wall and an arm extending from an upper edge thereof shaped to provide an open pivot for receiving said bearing surface with the rear surface of said body in tilted relation to said plate, a second arm extending from said plate having a latch portion for releasably engaging in said latch receiving recess upon insertion of said bearing surface in said open pivot and movement of said body portion from said tilted position to a position in which said rear surface is closely adjacent said wall and said plate is substantially enclosed within said slot for concealment thereby.

2,353,366
HAIR CURLER
William H. Schmitt, St. Paul, Minn.
Application June 26, 1941, Serial No. 399,774
12 Claims. (Cl. 132—41)

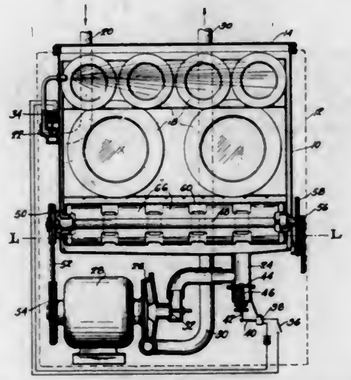


1. A hair curler, including a clamping element, comprising a pair of arms between which hair may be clamped, said arms being formed of resilient material constructed to normally lie closely together and to spread apart under tension when hair is inserted therebetween, and a locking loop pivoted to said clamping element at one end thereof and swingable into longitudinal alignment with said clamping element to hold hair wound thereupon engaged about said clamping element, said loop including inwardly projecting means resiliently engaging between said arms.

2,353,367
2-AMINO-4-OXO-5-ETHOXY-PENTENE-(2) AND PROCESS FOR THE MANUFACTURE OF SAME
Otto Schnider, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application September 5, 1941, Serial No. 409,749. In Switzerland September 25, 1940
4 Claims. (Cl. 260—584)

1. 2-amino-4-oxo-5-ethoxy-pentene-(2).

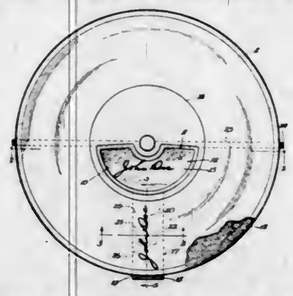
2,353,368
CLEANING MACHINE
Arthur P. Schulz, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application December 4, 1939, Serial No. 307,385
6 Claims. (Cl. 299—63)



1. For use in a cleaning machine including a container for articles to be cleaned, a rotatable impeller having a plurality of axially spaced sets of vanes, means for rotating said impeller, a tubular guide sleeve rotatably surrounding the impeller and formed with peripheral outlet openings alined with the sets of vanes and peripheral inlet openings between the sets of vanes, and means for continuously turning the guide sleeve at a rate slower than the rotation of said impeller to vary the position of the discharge openings.

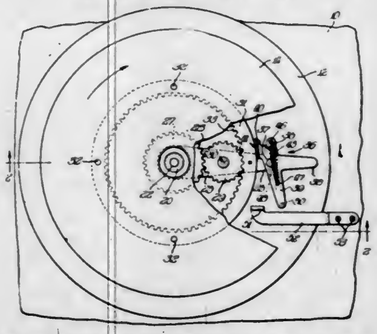
2,353,369
RECORD
Richard W. Sears, II, Evanston, Ill.
Application November 5, 1941, Serial No. 417,893
10 Claims. (Cl. 274—42)

1. A disk record having a sound recording surface on each of its opposed sides, a filler intermediate the opposed surfaces, said filler having a depressed portion on each side thereof, a layer of safety paper adjacent each side of the filler and conforming therewith, said depressed portions of the filler providing a space between each recording surface and the safety paper, and a removable transfer sheet arranged in each space to imprint



on the adjacent safety paper an inscription impressed on a recording surface by the use of a stylus.

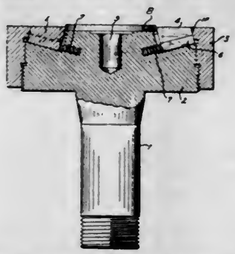
2,353,370
MULTIPLE-SPEED PHONOGRAPH TURNTABLE
Richard W. Sears, II, Grayslake, Ill.
Application December 13, 1941, Serial No. 422,827
9 Claims. (Cl. 274—9)



1. A turn-table for phonographs or the like comprising a member adapted to be rotated at a predetermined speed, a turn-table rotatively mounted on said member, an arm rotatively mounted on said member, a gear fixed to said member for rotation therewith, an internal ring gear attached to said turn-table and lying in substantially the same plane as said gear, and an idler gear carried by said arm in the plane of the first named gear and the ring gear for interconnecting said first named gear with said ring gear.

2,353,371
CHUCK
John J. Seme, Maple Heights, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application November 30, 1942, Serial No. 467,337
5 Claims. (Cl. 279—64)

1. In a device of the character described, a chuck head provided with a plurality of concentrically and equidistantly arranged inverted T-slot guides in said head with bottom surfaces inclined downwardly toward the center of said chuck head, a work gripping jaw slidably arranged in each guide, a detachable ring with both ends open and adapted for screw-threaded engagement with said head and having its inner upper surface adjacent the work support of said chuck head bevelled to incline radially inwardly and adapted to force said jaws radially inwardly into equal gripping relationship with the work as the top surfaces of the jaws and the ring remain substantially flush with each other, and

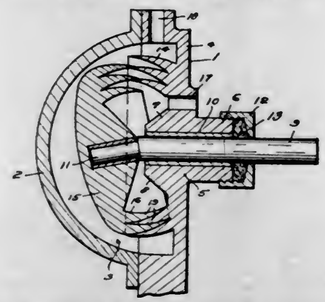


equal resilient means for opposing the movement of each jaw, said guides positively engaging said jaws so as to prevent movement thereof in any direction other than the plane of the bottom surfaces of each guide, whereby said work is uniformly gripped by each jaw and centered with respect to the center of said head.

2,353,372
METHOD OF PREVENTING FLUID LOSS FROM WELL HOLES INTO THE SURROUNDING EARTH
John B. Stone, Tulsa, Okla., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 17, 1940, Serial No. 340,989
6 Claims. (Cl. 252—8.5)

1. A method of restraining a fluid against escape from a well hole through the wall thereof, which comprises introducing into the well hole to be incorporated in the fluid therein a substantial quantity of a relatively thin, highly flexible, infrangible, water-insoluble, fragmented organic grainless foil.

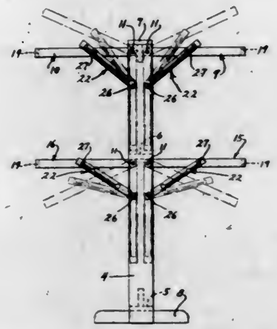
2,353,373
PUMP
Arthur J. Thompson, Deer Lodge, Mont.
Application September 5, 1941, Serial No. 409,721
2 Claims. (Cl. 103—133)



1. In a pump, a casing forming a chamber having a vertical wall, a drive shaft journaled in said wall and extending into said chamber and including an end section in the chamber oblique to the axis of the remainder of said shaft, a convolute lateral flange on said wall and in said chamber coiled around the axis of said shaft, a

circular cup-like piston loose on said section in a plane at a right angle to the axis of the section and embodying a convolute lateral flange oppositely coiled with respect to the first-mentioned flange and adapted to gyrate under rotation of said end section and to interfit with the latter, and a pair of inlet and outlet ports in said casing, respectively, leading into and out of said chamber, the inlet port opening into the chamber within the confines of the first-mentioned flange.

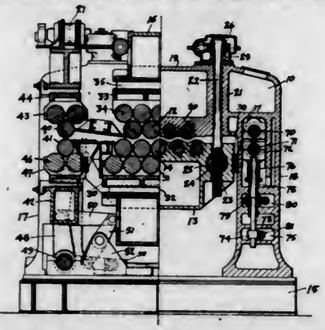
2,353,374
CLOTHES DRIER
John S. Thompson, Palo Alto, Calif.
Application March 17, 1943, Serial No. 479,463
1 Claim. (Cl. 211—178)



In a clothes drier or the like, the combination of a frame member comprising a pair of spaced vertical upright support members, brace members and a base connected to said uprights to maintain said frame in vertical position, a plurality of pairs of removably independently pivotally mounted drying racks mounted between said upright members, said racks comprising rectangular frame members having spaced parallel rows of clothesline laced and secured therein, and independent latching means for each of said racks adapted to hold a rack independently of other racks in a plurality of predetermined position of elevation, said latching means including two independently operable latch members for each rack, each of said latch members pivotally connected to an upright member and slidably connected to a said rack member so that said latches are in operative contact with said racks when said racks are elevated or folded, the pivots of said racks and latch members being disposed within the margins of said upright member and in vertical alignment with each other, whereby said racks and latches may be folded within the confines of said frame.

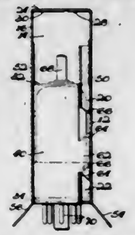
2,353,375
ROLLER LEVELER
Russell T. Todd, Youngstown, Ohio, assignor to McKay Machine Company, Youngstown, Ohio, a corporation of Ohio
Application March 13, 1941, Serial No. 383,134
12 Claims. (Cl. 153—54)

1. In a roller leveler, the combination of a pair of spaced parallel housings, each having a centrally disposed opening, an upper set of leveler rolls journaled in said housings, a rigid support suspended from the upper horizontal portions of said housings below said rolls, a lower set of leveler rolls journaled in said support, the ends of said support being positioned in said openings, the rolls of said second set being offset with re-



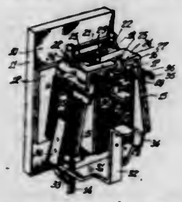
spect to the rolls of said first mentioned set whereby a sinuous path of travel for stock is provided between the two sets of rolls.

2,353,376
CONTAINER
Clifford C. Vatter, Louisville, Ky., assignor to The Bradley & Gilbert Company, Louisville, Ky., a corporation of Kentucky
Application July 23, 1942, Serial No. 452,069
20 Claims. (Cl. 229—6)



1. A slide carton comprising an outer shell member, said shell member including a portion positioned inside the wall thereof having a slot extending along a portion of the length of the shell but terminating short of its ends, and a merchandise-containing member slidably received therein, said slide member including a finger engageable in said slot to thereby limit the relative sliding movement of the two members.

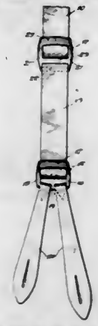
2,353,377
SHOCKPROOF RELAY
John L. Vaughn, Chicago, Ill., assignor of one-half to R. W. Hood, Chicago, Ill.
Application April 3, 1942, Serial No. 437,475
7 Claims. (Cl. 175—337)



1. In a relay structure a centrally arranged coil, a pair of armatures rockably supported symmetrically with respect to said coil, means supporting said armatures for rockable move-

ment, spring means normally urging said armatures away from said coil, and means on said armatures for interlocking the latter for balanced action relative to each other, said means comprising an extension on each of said armatures and formed to provide a pair of alternately straight and bent legs with the bent legs of each disposed beneath the straight leg of the other.

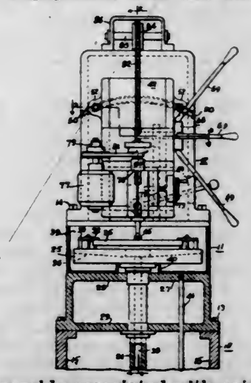
2,353,378
ADJUSTABLE STRAP AND BUCKLE THEREFOR
Paul W. White, Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application June 27, 1942, Serial No. 448,807
4 Claims. (Cl. 2—340)



1. In an adjustable suspender of the type comprising a strap having one end attachable to a garment and the other end looped upon itself to form the front and back strands of an adjusting loop, and a ring attachable to the garment having a slot for receiving the portion of said strap connecting said front and back strands at one end of said loop; the combination of a buckle for adjustably connecting the front and back strands at the other end of said loop comprising a one-piece frame having spaced apart upper and lower end cross bars and upper and lower intermediate cross bars defining strap receiving slots therebetween; said back strand of said loop encircling said upper intermediate and said lower end cross bars and being secured upon itself to form an attaching loop; said front strand being threaded through said frame so as to pass alternately in front and in back of said cross bars for adjusting movement through said slots; the threaded portion of said front strand passing between said lower intermediate cross bar and said attaching loop of said back strand whereby said front strand is clamped therebetween when tension is applied to said strap.

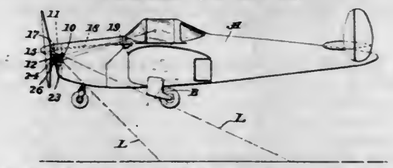
2,353,379
VERTICAL INTERNAL GRINDING MACHINE
George F. Wittman, Dayton, Ohio
Application August 12, 1942, Serial No. 454,499
7 Claims. (Cl. 51—50)

2. A vertical grinding machine comprising in combination; a hollow base; a rotatable work table carried by said base positioned with the top thereof horizontal; a drive shaft for said table extending into said base; power means mounted in said base and drivingly connected to said drive shaft; and a grinding head including a frame having a planar vertical wall, a guide head on said frame having a planar wall in sliding engagement with said first mentioned wall, pivot means extending through said walls and disposed closely adjacent the lower edge of said wall on said guide head, an arcuate T slot means in said wall of said frame disposed on a radius from said pivot means, the T bolt means extending from said guide head into engagement with said slot to guide rotation of said guide head about said pivot means and secure said walls in engagement with one another, locking



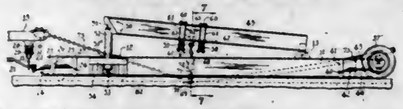
means operably associated with said pivot means to provide additional means for securing said walls together, a vertically reciprocable carriage on said guide head, a transversely reciprocable carriage on said first carriage, and a grinding spindle supported upon said second carriage and having the axis thereof disposed normal to the plane of said work table but changeable in accordance with the setting of said guide head.

2,353,380
AIRCRAFT PRECISION FLIGHT INDICATOR
Charles Adler, Jr., Baltimore, Md.
Application January 18, 1944, Serial No. 518,754
1 Claim. (Cl. 88—93).



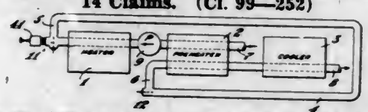
In an aircraft, means for permitting a pilot whose aircraft is in the critical zone of about to make contact with the ground to determine the position of the landing gear with relation to the ground immediately below without diversion of his line of vision forward whereby the pilot is able to so control subsequent operation of the aircraft as to make a precision landing, said means comprising a mirror carried by the aircraft externally of the cockpit and forwardly thereof, means operable by the pilot in said cockpit for moving said mirror to a position directed downwardly and rearwardly with relation to the aircraft in which position it will simultaneously reflect at least the lower portion of a landing device and the ground immediately below the same and present the image directly in the path of vision of the pilot whose aircraft is about to make contact with the ground thereby allowing him to concentrate his eyes ahead and upon the landing field when in said critical zone, said means for moving the mirror being operable to move the same to a position to reduce aerodynamic drag, and means for retaining the mirror in either of said positions.

2,353,381
RAIL-LIFTING DEVICE
Kenneth Allderige, West Haven, Conn., assignor to The Allderige Corporation, New Haven, Conn., a corporation of Connecticut
Application October 14, 1942, Serial No. 461,943
10 Claims. (Cl. 254—121)



3. A device for raising rails from pavement or the like, comprising a trailer frame having supporting wheels at one end thereof, means for supporting said frame from said wheels to permit lowering of the frame against the pavement, a tractor hitching member at the front end of said frame, said frame comprising a pair of spaced longitudinally extending members adapted to straddle a rail and bear on the pavement on each side thereof, springs supporting the front end of the frame from the tractor hitching member, an auxiliary frame pivoted adjacent one end to said main frame, means for connecting said auxiliary frame to the rail, means for raising the other end of said auxiliary frame to raise the rail, said connecting means comprising a shoe suspended from the auxiliary frame and disposed beneath the rail, and draft means connected to said shoe by which it may be drawn forwardly beneath the rail.

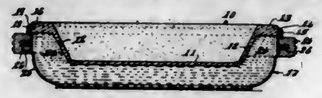
2,353,382
TIMING METHOD AND APPARATUS
Wilmer D. Barrett, Reading, Mass., assignor to Whiting Milk Company, Charlestown, Mass., a corporation of Delaware
Application May 27, 1942, Serial No. 444,729
14 Claims. (Cl. 99—252)



1. In milk pasteurizing apparatus comprising a heater, a cooler, means interconecting the heater and cooler including a holding conduit in which the temperature of the milk is maintained for a predetermined time, and means for circulating a stream of milk through the heater, conduit and cooler in series, the combination of means for injecting an indicating agent into said stream near the entrance to said conduit, starting and stopping detectors responsive to the passage of said indicating agent through the conduit, the detectors being located near the entrance and exit ends of the conduits respectively, a chronometer indicator, circuit connections for controlling said indicator including a switch for starting the indicator and a switch for stopping the indicator, means controlled by the starting detector for operating the first switch and means controlled by the stopping detector for operating the second switch, whereby the time required for the passage of the milk through the holding conduit is automatically indicated in response to the injection of said indicating agent.

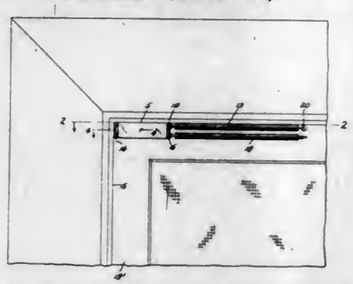
2,353,383
BABY HOT PLATE
Albert Bartsch, Chicago, Ill.
Application October 28, 1938, Serial No. 237,569
12 Claims. (Cl. 65—15)

8. A dish for maintaining food at a desired temperature, including a food container and a fluid container composed of a different material than that of the food container, and crimped means for permanently securing the fluid con-



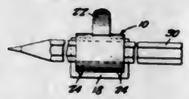
tainer to the food container with the upper edge of the fluid container below the upper surface of the food container to form a tight fit between the containers, said dish having a filling opening.

2,353,384
COMBINED DOOR CHECK AND CLOSER
Charles Arthur Berg, Stockholm, S. Dak.
Application October 14, 1942, Serial No. 462,019
3 Claims. (Cl. 16—80)



1. A door closer comprising a member pivoted to a door supporting structure adjacent the hinged edge of the door, and a pair of substantially duplicate expansible members attached at one end respectively to the door and to a stationary structure said expansible members being arranged in crossed relation and having their other ends attached in spaced crossed relation to the free end of the first-named member.

2,353,385
CLIP AND PENCIL HOLDER
Ernest B. Briggs, Dubuque, Iowa, assignor of one-fourth to Gladys Jolley, Flossmoor, Ill., one-fourth to Irene Harris and one-fourth to Dorothy Davis, both of Dubuque, Iowa
Application October 21, 1943, Serial No. 507,161
5 Claims. (Cl. 24—255)



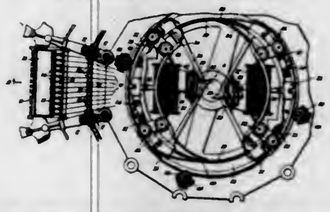
1. A clip comprising a curved spring having a slot extending circumferentially thereof, clamp members having fingers extending through said slot and arranged face to face with the ends of the spring bearing thereagainst, said clamp members normally extending generally diametrically of said spring, said spring being curved in such degree as to provide space between the spring and one of said clamp members for a shaft like writing intrument of larger cross sectional proportions in one direction than said space to be yieldingly clamped between the spring and said one of said clamp members, and flange means on the other of said members extending beyond the circumferential contour of the spring to guard the latter from accidental pressures.

2,353,386
MUNITIONS AND TACTICAL USE OF THE SAME
Charles D. Bourcier, Grafton, Mass.
Application August 17, 1942, Serial No. 455,142
2 Claims. (Cl. 256—1)



1. Defense munitions consisting of small tire puncturing units each comprising a heavy hemispherical base and a hollow sharp pointed lance rigidly supported in said base and extending vertically from the flat side thereof and having its hollow interior opening through the curved side of said base so as to be vented therethrough, said base having its center of gravity low on the lance whereby to support it tiltably in an erect posture whereby to make piercing contact with the pneumatic tire of a vehicle running over it so as to cause the tire to become suddenly deflated.

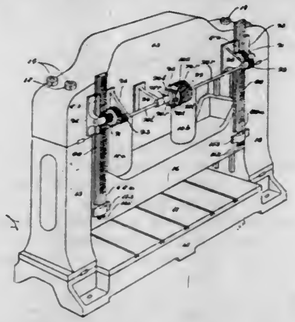
2,353,387
MANUFACTURE OF HOSE PIPES
Duncan Edward Farmar Canney, Bentham, England, assignor to The Sillick Holding Company Limited, Newcastle-upon-Tyne, Northumberland, England
Application December 12, 1940, Serial No. 369,893
In Great Britain January 26, 1940
6 Claims. (Cl. 139—13)



5. The method of manufacturing a fabric hose by weaving on a circular loom which comprises applying to the weft yarn, before the weft and warp yarns are interwoven, a sealing agent which is in liquid form at the time of such application but which will dry upon exposure and become solid and, while the sealing agent is in liquid condition, interweaving the weft yarn with warp yarn which has not been so treated, to form fabric, the sealing agent being thereafter permitted to solidify, the porosity of the fabric being thereby reduced.

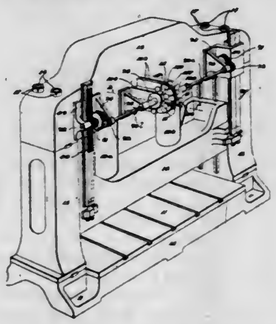
2,353,388
APPARATUS FOR CONTROLLING THE SLIDE MOVEMENT IN LONG-BED HYDRAULIC PRESSES
Earl Cannon, Rockville Centre, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application October 28, 1942, Serial No. 463,604
20 Claims. (Cl. 100—71)

1. Apparatus for controlling the slide movement in a long-bed hydraulic press having two or more symmetrically-disposed slide-actuating rams and related ram advance chambers, the said apparatus comprising a plurality of pumping systems adapted to pump supplies of liquid separately to each of said chambers, adjustable compensating means, adapted for adjustment independently of said plural pumping systems, for effecting compensating variations, during the advance movement of the press slide, in the volume



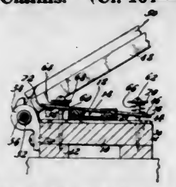
of liquid pumped into said chambers, and an electric control system, adapted to control the adjustment of said compensating means and being responsive to non-parallelism of the press slide, whereby to cause said compensating means to effect compensation in the volume of liquid pumped into said chambers to substantially remedy such non-parallelism.

2,353,389
APPARATUS FOR CONTROLLING THE SLIDE MOVEMENT IN LONG-BED HYDRAULIC PRESSES
Earl Cannon, Rockville Centre, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application March 16, 1943, Serial No. 479,308
23 Claims. (Cl. 100—71)



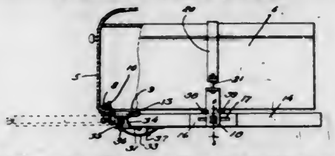
1. Apparatus for substantially maintaining parallelism of two relatively movable pressing members in a press, said apparatus comprising an electrical system, means controlled by said system for moving said pressing members into parallelism, photoelectric means associated with said electrical system, and an operating member, adapted to move operatively in either of opposite directions relatively to paths of light to said photoelectric means, in response to departure of said pressing members from parallelism, whereby to oppositely modify the operation of said photoelectric means and electrical system and thereby to move said pressing members into parallelism.

2,353,390
RIBBON CUTTING APPARATUS
Morton A. Carlin, New York, N. Y.
Application August 13, 1943, Serial No. 498,457
11 Claims. (Cl. 164—45)



1. In a device of the character described, a table, spaced members forming a work feeding channel on the table, one of said members secured to the table to permit it to be selectively positioned on the table relatively to the other member, a work holder resiliently held against the table at the entrance to the channel, means movable in the channel for feeding work through the channel, a cross member secured to the table for selectively positioning the cross member along the channel to limit the position of the work feeding means in the channel, work clamping means on the table at the exit to the channel including a pair of separable bars, one bar resiliently held on the other bar, work cutting means pivotally mounted on the table adjacent the clamping means; and an engagement on the work cutting means for separating the bars upon pivoting the work cutting means in one direction, said clamping means constituting a second means for limiting movement in the channel of the work feeding means.

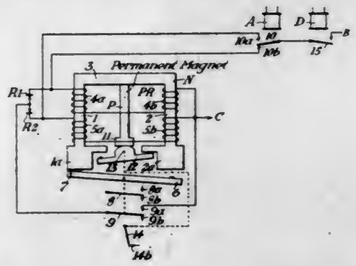
2,353,391
DRAWER ATTACHMENT FOR AUTOMOBILES
Aubrey P. Cotton, St. Matthews, S. C.
Application November 16, 1940, Serial No. 366,016
3 Claims. (Cl. 206—19.5)



1. Means for detachably supporting a utility compartment under a fixed compartment in the instrument panel of an automobile and comprising a pair of horizontally arranged U-shaped clamping devices at the front side edges of the utility compartment adapted for receiving and attaching to the lower edge of the instrument panel, and extending rearwardly therefrom under said fixed compartment, a bar extending transversely of the utility compartment, and having its ends slidably supported in said clamping devices; and a strap slidably supporting the utility compartment adjacent its rear end and adapted for extending over the top of the fixed compartment of the automobile.

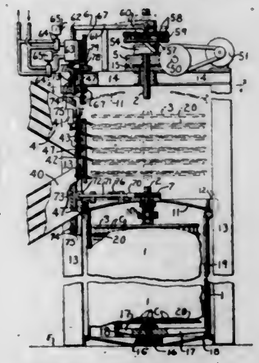
2,353,392
ELECTRICAL RELAY
Paul H. Crago, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 13, 1942, Serial No. 446,967
7 Claims. (Cl. 175—320)

1. A relay comprising a neutral magnet, two separate windings one for setting up flux of one polarity and the other for setting up flux of the other polarity in said neutral magnet, a neutral armature responsive to the presence or absence of flux in said neutral magnet, a polar armature associated with said neutral magnet, means for setting up a polarizing flux in said polar armature to cause it to respond to the polarity of the flux



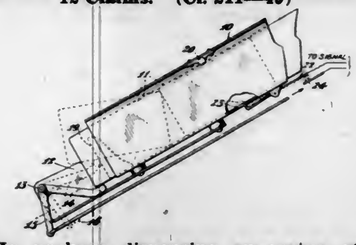
set up in said neutral magnet by said windings, and means for delaying the release but not the pick-up of said neutral armature comprising two shunt circuits one for each of said windings and each including the same contact controlled by said neutral armature and closed only when said neutral armature has responded to the presence of flux in said neutral magnet.

2,353,393
OPPOSED SPIRAL CAN HANDLING MACHINE
Francis A. Fahey, Seattle, Wash.
Application August 18, 1941, Serial No. 407,328
19 Claims. (Cl. 198—209)



1. Can handling mechanism, comprising a retort, a rotatable can carrying plate for reception within said retort, means supporting said plate for rotation about an upright axis, said means being movable vertically for raising said plate from and lowering it into said retort, a spiral can guide immediately above said plate and movable vertically therewith, locking means engageable with said spiral can guide for restraining rotation thereof, including a member projecting above said retort and guided for retracting movement down into it as said plate moves downward, means for effecting rotation of said plate, and means for feeding cans onto said plate thus rotated, to be moved by said rotating plate along said spiral guide restrained from rotating by said locking means.

2,353,394
PACKAGE FEEDING OR DISPENSING APPARATUS
Paul M. Farmer, Maplewood, N. J.
Application December 20, 1941, Serial No. 423,823
12 Claims. (Cl. 211—49)



7. In package dispensing apparatus of the class described, an inclined support for a plurality of packages arranged in line, the inclination of said support being merely sufficient to insure positive downward movement of the line of packages as the ones at the bottom are removed, a fixed abutment at the lower end of said support for normally retaining the packages thereon, and means for raising the lower end only of the lowermost package above said abutment while the uppermost end of the said package rests on said support to release said package for movement under the influence of gravity and the pressure of the next package.

2,353,395
CIGARETTE PACKAGE
Kathleen M. Foley, Morristown, N. J.
Application March 3, 1943, Serial No. 477,864
1 Claim. (Cl. 206—41.2)



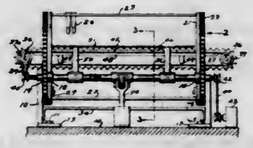
A cigarette package comprising an inner wrapper for the reception of cigarettes, a vertical bar in said wrapper of substantially the width of the inside of the package, a substantially segmental, horizontal corner lip on the lower end of the bar engaged beneath a cigarette, an integral, substantially segmental side flange rising from said lip, a right angularly extending tongue integral with the side flange extending transversely across the bar and secured thereto, and means on the upper end of the bar for elevating the same for lifting a cigarette on the lip.

2,353,396
METHOD OF MAKING SHOES
Sebastiano Gallo, Brooklyn, N. Y.
Application February 1, 1943, Serial No. 474,392
3 Claims. (Cl. 12—142)



1. The method of making open-toe footwear without a last, which method comprises detachably fastening to the upper surface of a sole a stiff plate that has the desired shape of the sole of the completed shoe, coating the marginal edges of the sole and an upper with cement, allowing time for the cement to become tacky, then applying the upper to the sole by bending the upper inward to bring the cemented surface of the upper into contact with the cemented surface of the sole while holding the unlasted shoe parts in the hands of the operator, and after the upper is secured in place removing the fastenings by which the stiff plate is secured to the sole, and withdrawing the plate from within the shoe.

2,353,397
CLIP LOADER
Arthur F. Giese, Denver, Colo.
Application September 21, 1943, Serial No. 503,288
4 Claims. (Cl. 198—29)



1. A cartridge positioning device and feeder comprising a frame having end members, an endless conveyor supported on the end members, a shaft extending between the end members and journalled in the latter, means for rotating the shaft, means for effecting a movement of the conveyor at a speed proportionate to the speed of shaft rotation, comprising a motion transmitting mechanism, a cylindrical element enclosing the conveyor and supported in part by the shaft, a second supporting means for the cylindrical element, positioned on the opposite side of the conveyor from the shaft, means for transmitting rotary motion from the shaft to the cylindrical element comprising a gear device, a plurality of notched bars secured to the cylindrical element on the inner surface thereof, a cartridge supporting table between the conveyor and the cylindrical element and inclined towards the latter for feeding cartridges towards the inside of the cylindrical element and into engagement with the notched bars whereby they will become positioned in the notches and transported to a position above the conveyor, and means for releasing the cartridges in position to be received by the conveyor.

2,353,398
PORTABLE DECK
Gerald G. Greulich, Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application August 5, 1943, Serial No. 497,498
6 Claims. (Cl. 94—13)

1. A portable deck of the class described comprising a plurality of metallic plates for rapid attachment to and detachment from each other, each of said plates consisting of a substantially rectangular-shaped body portion of rolled metal, means arranged along the longitudinally extending edges of each of said plates for connecting the same to adjacent plates disposed to either side thereof, at least one hook member mounted on the bottom side of each of said plates adjacent one end thereof and arranged for pivotal movement in a plane substantially parallel thereto, and a hook receiving portion arranged on the opposite

end of each of them whereby the hook member on the end of any one plate is adapted to cooperate with a hook receiving portion of an adjacent

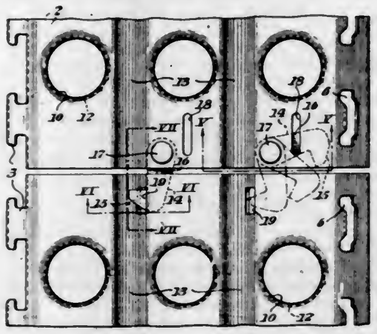
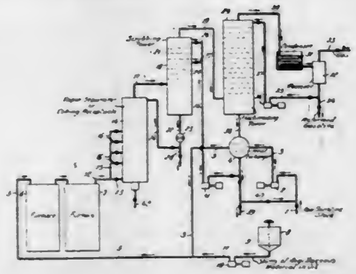


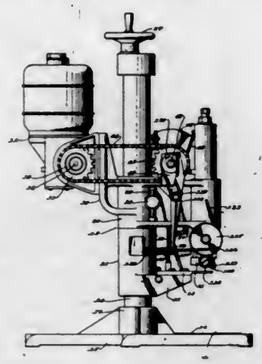
plate disposed at that end thereof whereby the ends of the plates are securely locked together so as to prevent movement thereof relative to each other.

2,353,399
MANUFACTURE OF GASOLINE
Eugene C. Herthel, Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application May 25, 1940, Serial No. 337,238
2 Claims. (Cl. 196—50)



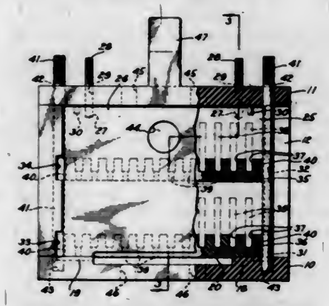
1. In the manufacture of gasoline of high anti-knock value, the improvement which comprises mixing a small proportion of a finely-divided argillaceous material with a petroleum stock produced by thermal cracking without catalysis the major portion of which boils within the boiling range of gasoline, heating this mixture to and at a high cracking temperature approximating 950°–1100° F. and under a pressure not substantially exceeding 500 pounds per square inch while flowing as a stream of sufficient velocity to maintain said argillaceous material in suspension in said stock for a period of time sufficient to reform a substantial part of said stock to produce a gasoline material of improved anti-knock value, thereafter separating a vapor fraction comprising said gasoline material from the resulting residual material comprising the residue of said argillaceous material, and limiting the maximum value of the crack per pass and the minimum value of the ratio of argillaceous material to oil in the mixture supplied to said heating to produce a gasoline product having an octane number approximating 77 as determined by the motor method.

2,353,400
CAPPING APPARATUS
Charles Hobbs, Decatur, Ill., assignor to Crown Cork Specialty Corporation, a corporation of Illinois
Application January 25, 1941, Serial No. 375,987
9 Claims. (Cl. 226—81)



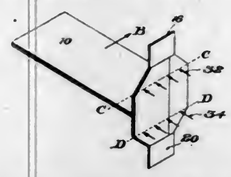
1. Capping apparatus comprising a fixed support for a container to be capped, a capping head including a portion movable toward and away from said support; and means for moving said movable portion including a shaft journaled in said portion, a cam on said shaft, an abutment for said cam, means for rocking said shaft including an arm on said shaft, a rotary crank supported on a fixed axis, and a link connecting said crank and arm.

2,353,401
ARTICLE HOLDING TRAY
Wilbur L. Hoff, Hollywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 6, 1943, Serial No. 497,716
10 Claims. (Cl. 41—9)



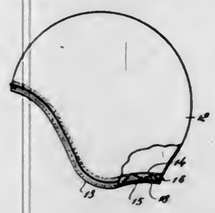
1. An article holding tray for supporting articles during their immersion in acid and rinsing baths comprising spaced, perforated top and bottom plates, means for rigidly interconnecting said plates one to the other, a plurality of article supporting shelves positionable between said top and bottom plates, said shelves having article receiving surfaces formed in them for receiving articles between them, and removable pins for locking said shelves in position between the top and bottom plates.

2,353,402
METHOD OF MAKING IMPERVIOUS BAGS
Alfred B. Hasiacher, New York, N. Y.
Application April 8, 1942, Serial No. 438,161
25 Claims. (Cl. 93—35)



1. A method of making bags which comprises: providing a flattened tube of flexible material having at least its interior surface thermoplastic; forming pairs of slits in each of the opposed walls at one end of said tube to define flaps; separating said flaps to open a diamond fold; bringing the inner surfaces of opposed margins of the material intermediate said flaps into face to face contact; heat sealing said contacting surfaces to form a fin, and folding said fin into the plane of the diamond fold; tilting the diamond fold away from the plane of the tube and effecting transverse heat seals across the ends of the diamond fold while thus tilted; and thereafter folding and securing said flaps in mutually superimposed relationship.

2,353,403
RUBBER APPAREL
Thomas J. Howland, Long Branch, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application March 12, 1942, Serial No. 434,371
8 Claims. (Cl. 2—68)



1. An article of apparel comprising a hollow body having an opening therein and an elastic edge portion adjacent the opening, a flexible rib on the inside of the elastic portion normally projecting substantially at right angles to the surface thereof and extending generally parallel to the margin of the opening, and a flexible rib on the outside of the elastic portion normally projecting substantially at right angles to the surface thereof and extending generally parallel to said first rib and offset laterally therefrom, one of said ribs acting to cause lateral deflection of the other rib away from it when the elastic portion is stretched on the wearer.

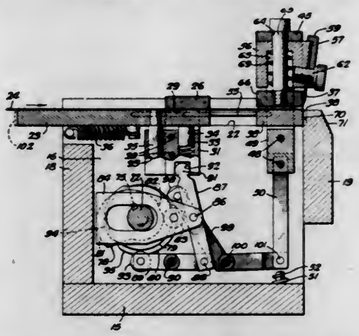
2,353,404
ABRASIVE ARTICLE
George F. Keeleric, Westboro, Mass.
Application January 1, 1943, Serial No. 471,035
8 Claims. (Cl. 51—309)

1. A method of making abrasive tools which comprises placing abrasive particles in a mounting, the particles having portions exposed outside the mounting, applying a bonding material to form a layer covering the exposed portions of the particles and the face of the mounting among the particles, removing the mounting from



around the particles, and, while the particles are held in place by the bonding layer, forming a tool body in contact with the bonding layer among the particles and enclosing the portions of the particles formerly held in the mounting.

2,353,405
MATERIAL HANDLING APPARATUS
John W. King, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 25, 1943, Serial No. 488,381
12 Claims. (Cl. 164—48)

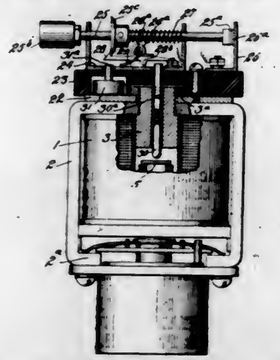


1. An apparatus for intermittently feeding material comprising a reciprocable feed member upon which the material rests, a clamping member reciprocable therewith, and means for driving said clamping member and feed member including means for causing said clamping member to grip the material during the feeding stroke to predeterminedly locate the leading edge of the material, release the material during a substantial portion of the return stroke of the feed member and grip the material during the remaining portion of the return stroke whereby the material is drawn back a predetermined distance before the following feeding stroke occurs.

2,353,406
DEVICE FOR OVERCOMING EFFECTS OF SHOCKS
Haroutium K. Kouyoumjian, Wakefield, R. I., assignor to Ward Leonard Electric Company, a corporation of New York
Original application April 3, 1941, Serial No. 386,672. Divided and this application February 25, 1942, Serial No. 432,228
5 Claims. (Cl. 74—2)

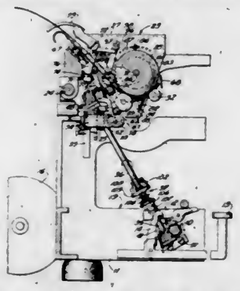
1. A mechanism having a device to be controlled, restraining means for said device, a movable element normally at rest and movable independently of said restraining means for releasing said restraining means when actuated, said mov-

able element being movable under mechanical shocks, a device for actuating said movable element for releasing said restraining means, and a second movable element acting on said re-



straining means for counter-acting the releasing action of said first named element when the mechanism is subjected to mechanical shock and thereby preventing the release of said restraining means.

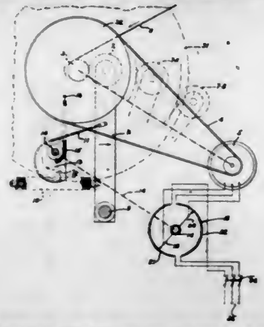
2,353,407
TYPEWRITING MACHINE
Alfred G. F. Kurowski, Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 26, 1941, Serial No. 399,837
22 Claims. (Cl. 197—127)



1. In a machine of the class described having a carriage movable on a frame; a carriage carried paper-feeding device including an operatable member extending parallel to the carriage, power operating means on the frame operatively associable with said member in any position of the carriage to actuate said device, and means including a manual control on the carriage and a bar movable transversely of the carriage by said control to operatively associate said power operating means with said member irrespective of the position of the carriage.

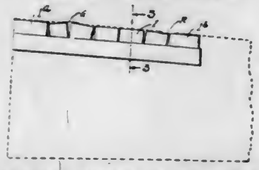
2,353,408
TAKE-UP MECHANISM
Elner W. Larsen, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1941, Serial No. 424,677
8 Claims. (Cl. 242—75)

8. A takeup mechanism for a web delivered thereto at a constant speed comprising a takeup reel, an induction motor having a high resistance secondary circuit for driving said reel, and means responsive to an increase in the amount of web material on the takeup reel for automati-



cally increasing the motor torque as the reel speed decreases by varying the primary voltage applied to said motor to maintain a constant tension in the web.

2,353,409
HONING DEVICE FOR CHOKED ENGINE CYLINDERS
Robert W. McClure, San Diego, Calif.
Application November 26, 1943, Serial No. 511,803
4 Claims. (Cl. 51—184.1)



1. In a honing device of the class described, the combination of a channel-shaped holder member, resilient means mounted in said channel member and extending from end to end thereof, an abrasive honing member secured in said channel member and resting on said resilient member, said abrasive member divided into a plurality of relatively short contiguously positioned end to end sections freely movable and tiltable relatively to each other.

2,353,410
SWITCHING ARRANGEMENT FOR EMPLOYING RECTIFIERS IN CONJUNCTION WITH BATTERY REGULATING SWITCHES
William James Marshall, Harrow, and Leslie Herbert Catt, Wembley, England
Application December 3, 1942, Serial No. 467,744
In Great Britain December 4, 1941
6 Claims. (Cl. 320—18)



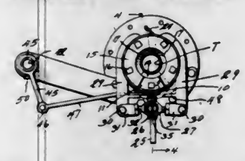
1. In a switching arrangement including an electrical circuit comprising a load and a unidirectional current source formed of sections adapted to be switched in or out of circuit, a rectifier, means for shunting a selected section

by the rectifier and means for disconnecting said section so that the load current flows through the rectifier in the forward direction, said rectifier being poled in the backward direction with respect to said section to be disconnected.

2,353,411
TEXTILE PRINTING COMPOSITION
Charles Franklin Miller, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 2, 1942, Serial No. 457,083
6 Claims. (Cl. 8—72)

1. In the process of printing textile fabric with an unmetallized mordant-acid azo dyestuff, the improvement which consists of applying the dyestuff to the fabric from a printing paste containing a water-soluble compound of a metal whose atomic weight is not less than 52 and not greater than 64, and containing further a sufficient quantity of triethanolamine to give the paste an alkalinity corresponding to a pH value between 8.0 and 10.5.

2,353,412
OIL SAVER
William J. Miller, Los Angeles, Calif.
Application August 26, 1941, Serial No. 408,371
5 Claims. (Cl. 166—16)



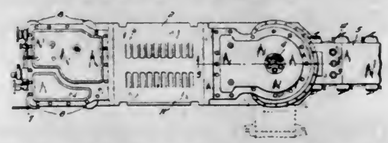
1. An oil saving device to be disposed around a well tubing and to extend above and below a joint in said tubing, said device comprising a back plate, side plates hingedly connected to the back plate, means carried by the opposite end portions of the back plate and the side plates to substantially close the ends of the device when the same is disposed around the tubing, one of the plates being provided in its lower portion with a discharge opening, rods extending outwardly from the back plate at points spaced lengthwise thereof, an operating bar mounted on said rods for sliding movement lengthwise of the rods, said bar providing a hand grasp, rearwardly disposed arms carried by the side plates, and operative connections between said arms and the bar for swinging the side plates into open or closed positions upon requisite sliding movement of the bar along the rods.

2,353,413
SPECTACLE CASE
Emannel Nathan, Maplewood, N. J.
Application September 2, 1943, Serial No. 501,012
1 Claim. (Cl. 206—5)



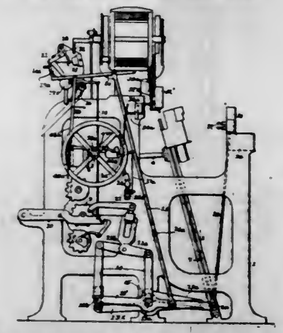
A spectacle case formed from a single blank of flexible material comprising identical front and rear sides, an integral top wall of uniform width throughout its length and being of a length substantially one-half the length of the overall length of the case connecting the front and rear sides only at their intermediate portions, the lower edges of the front and rear sides being secured together, the front and rear sides being entirely free at one end of the case to facilitate insertion and removal of a pair of spectacles with respect to the case, the opposite ends of the front and rear sides being secured together at the lower portions thereof only to prevent displacement of the spectacles through said partially closed end of the case, and a stiffening member of substantially the same dimensions as the top wall and secured thereto to render the latter rigid and produce a case of substantial V-shaped design in cross section.

2,353,414
MINING MACHINE
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 13, 1942, Serial No. 442,789
12 Claims. (Cl. 262—30)



1. In a mining machine, an elongated plane cutter bar mounted for swinging movement and having an endless cutter chain guided for circulation in an orbital path about its margin, the pivotal axis of the bar lying within the cutter chain orbit, and fluid operated mechanism for swinging said bar about its pivot including relatively oscillatable motor cylinder and piston elements, one of which is mounted for oscillatory movement about an axis alined with the pivotal axis of said cutter bar.

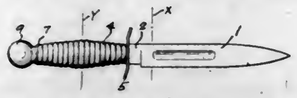
2,353,415
LOOM
Walter Price, Ridgewood, N. J.
Application May 13, 1941, Serial No. 393,151
10 Claims. (Cl. 139—232)



1. The combination, with supporting structure including a lay, a shuttle movable across the lay, and a group of at least three superposed shuttle-boxes at one end of the lay movable substantially vertically to three different positions which will aline the boxes, respectively, with the lay, a group-shifting system supported by said

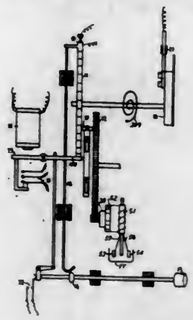
structure and operatively connected with said group and settable to three different states in which it is operative to transmit motion for shifting said group to said three different positions, respectively, means for setting said system in one and then the other of two such states, and means, controlled by the filling in the shuttle, coactive with the first-named means to set said system in the third state.

2,353,416
KNIFE
Louis Silver, San Francisco, Calif.
Application September 29, 1943, Serial No. 504,515
3 Claims. (Cl. 30—340)



1. A knife of the character described comprising, a blade, a stem extended from the blade, a handle on the stem, and a bludgeon type counterweight on the stem adjacent the free end of the handle, the weight and location of said counterweight being so proportioned to the blade that the center of gravity of said knife is in said handle.

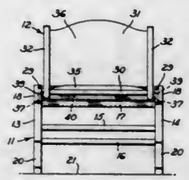
2,353,417
DISTRIBUTOR MECHANISM FOR CONTROLLING THE RELEASE OF BOMBS OR THE LIKE
Lancelot Martin Simpson, Thorner, near Leeds, and Cecil Robert Woodland, Liverpool, England, assignors to Automatic Telephone & Electric Company Limited, London, England, a British company
Application September 26, 1941, Serial No. 412,514
In Great Britain October 13, 1938
14 Claims. (Cl. 89—1.5)



2. A mechanism for controlling the electrical release of bombs and the like from aircraft comprising in combination a first shaft, a source of power for rotating said first shaft, a brush secured to said first shaft, means to control the release of bombs including the aforesaid brush and a set of contacts cooperating with said brush, a second shaft, variable speed gearing connecting said first shaft and said second shaft and governor means for maintaining the speed of said second shaft substantially constant when it is rotated by said source of power by way of said variable speed gearing thereby permitting variation of the time interval between the engagement of successive contacts of the set by said brush.

13. A mechanism for controlling the electrical release of bombs and the like from aircraft comprising in combination a frame, a first shaft journalled in said frame, a spring fixed at one end of said frame and at the other end to said shaft, a manually operable member secured to said shaft whereby said spring may be tensioned by operation of said member, a toothed wheel attached to said shaft, a movable dog normally in engagement with the teeth of said wheel, a manually operable push button arranged when operated to move said dog out of engagement with said toothed wheel, a brush secured to said first shaft, means to control the release of bombs including the aforesaid brush and a set of contacts cooperating with said brush, and a lamp having one terminal connected to said brush and the other to potential of one polarity whereby when said push button is operated to enable said brush to be moved over said contacts manually or under the tension of said spring, said lamp is lighted when said brush engages a contact to which potential of opposite polarity is connected.

2,353,418
COMBINATION FOOTREST AND CHAIR
Glenn R. Smith, Los Angeles, Calif., assignor of one-half to Nellie R. Smith, Santa Barbara, Calif.
Application October 11, 1941, Serial No. 414,617
5 Claims. (Cl. 155—169)

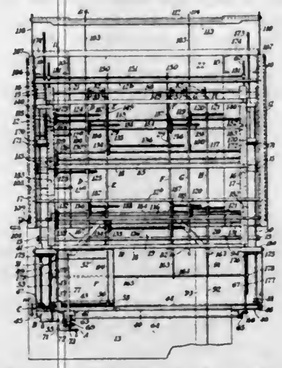


5. In an article of furniture, the combination of: a pair of connected parallel side elements, each being provided in its inner side with a longitudinal groove having an upwardly directed opening and sloping from said opening to the front end thereof; a platform member; a pair of pins secured to each side of said platform member and projecting horizontally therefrom, each pin of one pair of said pins being insertable into each of said grooves through said opening by downward movement of said platform member relative to and between said side elements, said platform member being longitudinally movable relative to said side elements when one pair of pins is in each of said grooves or tiltable when only one pin of each said pair is in each of said grooves to permit said platform member to assume any one of a plurality of tilted positions relative to said side elements; and stop means on said side elements and platform for limiting movement of said platform relative to said side elements.

2,353,419
MACHINE FOR FORMING BOX BLANKS
Eugene S. Smithson, Rochester, N. Y.
Application June 11, 1942, Serial No. 446,598
14 Claims. (Cl. 93—58.3)

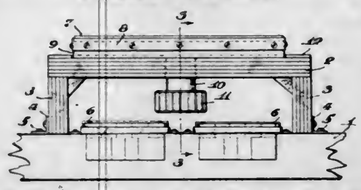
1. A machine for forming box blanks comprising, in combination, a support for articles intended to be enclosed in a box completed from one of said blanks, adjustable box blank forming mechanism, means for adjusting said mechanism to a condition predetermined by the dimensions

of said articles, including movable members adapted to contact said articles at separated



points and connected with said mechanism and means for cutting a blank from sheet material.

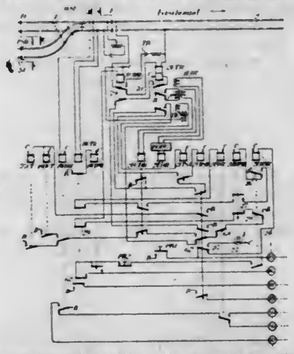
2,353,420
FINGERPRINTING APPARATUS
Park K. Sowash, South Arlington, Va.
Application September 29, 1943, Serial No. 504,329
3 Claims. (Cl. 41—1)



1. Finger printing apparatus comprising a main supporting surface mounting a finger print card holder, a slab support elevated above the holder and straddling the same with sufficient space between the two to admit fingers to printing engagement with the card, a rectangular inking slab on the support, means for elevating and rotating the slab in a plane parallel to that of the support to bring the rear half of its inking surface to the front, and abutment guide means fixed on the support forming a recess into which the slab may be lowered to position the slab in either of two positions 180° apart.

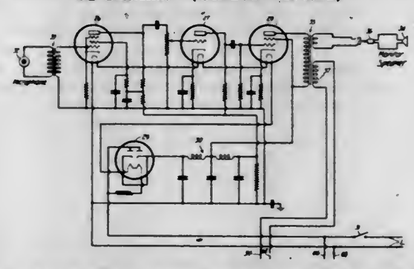
2,353,421
RAILWAY TRAFFIC CONTROLLING APPARATUS
Crawford E. Staples, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 19, 1941, Serial No. 411,481
23 Claims. (Cl. 246—3)

1. In combination with a normally deenergized stretch of track over which traffic may move in either direction, said stretch being divided into a plurality of track circuit sections, means effective for establishing traffic in a given direction including means for applying an impulse of current to the rails at the entrance end of the stretch, means for cascading said impulse over said sections to the exit end to thereby check unoccupancy of said stretch, means responsive to the receipt of said impulse at the exit end for supplying a signal control code to the track rails at that end, a headblock signal for said given direction, means for transmitting said code over said sections to said entrance end, and means responsive



to the receipt of said code at said entrance end for clearing said headblock signal to permit traffic to enter said stretch.

2,353,422
METHOD AND MEANS FOR RECORDING AND REPRODUCING SIGNALS
Ferdinand C. W. Thiede, Hempstead, N. Y., assignor to B. A. Proctor Company, Inc., New York, N. Y., a corporation of New York
Application September 18, 1940, Serial No. 357,245
24 Claims. (Cl. 179—100.11)



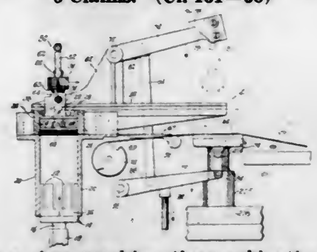
1. A device for recording a signal on a plurality of thin disc records comprising, in combination, means for driving the records at variable angular velocities during the recording, means for recording a portion of the signal on one of the records, and means controlled automatically by the record driving means for recording a subsequent portion of the signal on another of the records.

2,353,423
PROCESS OF PREPARING MIXED CELLULOSE ESTERS
John S. Tinsley, Highland Park, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 21, 1940, Serial No. 341,637
17 Claims. (Cl. 260—225)

1. In a process for preparing a cellulose mixed ester of acetic acid and an acid of 3–6 carbon atoms which comprises esterifying cellulose with an esterifying bath containing an anhydride of a fatty acid of 2–6 carbon atoms and a fatty acid of 2–6 carbon atoms, one of the said components containing acetyl groups and the other containing acyl groups of 3–6 carbon atoms, in the presence of an esterification catalyst, the improvement which consists in initiating esterification

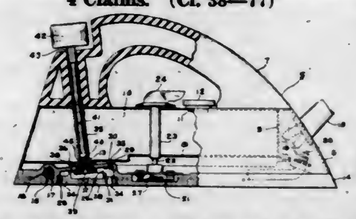
in the presence of less than 50% of the total acetyl groups and subsequently adding the balance of at least 50% of the total acetyl groups over a prolonged period during the esterification, the said acetyl and acyl groups being in the form of compounds selected from the group consisting of the corresponding acids and acid anhydrides.

2,353,424
CHARGE TRANSFER
Henry H. Wheeler, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application April 10, 1941, Serial No. 387,808
6 Claims. (Cl. 131—38)



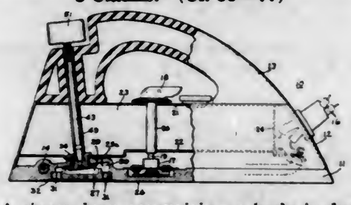
1. In a cigar machine, the combination with a bunch rolling apron, of a charge transfer movable horizontally from charge-receiving position to charge-delivery position and provided with a pocket having an open bottom through which a bunch charge may be vertically inserted, a device underlying said open bottom for maintaining the charge in said pocket as said transfer moves from charge receiving position toward delivery position, said transfer being provided within said pocket with an ejector adapted to eject the charge therefrom, a member having a horizontal face underlying said apron, means for moving said member to carry said apron upwardly into contact with the bottom of said transfer at the delivery position thereof and then lowering said member with the apron during the ejection of the charge, and mechanism for displacing said ejector downwardly through said pocket at the charge-delivery position of said transfer to eject the charge upon the apron and press the charge thereon until the apron descends with said member into its initial position.

2,353,425
STEAM IRON
Kenneth L. Woodman, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 11, 1941, Serial No. 382,679
4 Claims. (Cl. 38—77)



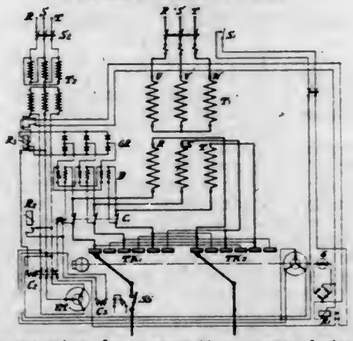
1. A steam iron comprising a body having a liquid storage chamber therein, a soleplate carried by said body, said soleplate having an opening therein, a member removably secured in said opening for closing the same, a cover member carried by said member and defining therewith a chamber, a baffle disposed within said chamber and dividing the same into a plurality of communicating compartments, said storage chamber having an outlet communicating with one of said compartments, said member having at least one steam port therethrough communicating with another of said compartments for delivering steam to the material to be pressed, and means for heating said soleplate and member.

2,353,426
STEAM IRON
Eldred O. Morton, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 5, 1941, Serial No. 405,463
5 Claims. (Cl. 38—77)



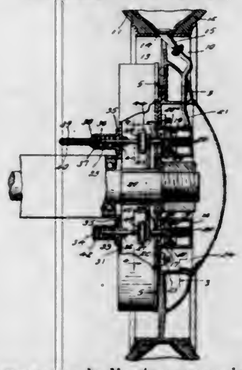
5. A steam iron comprising a body including a soleplate, a steam generator, means for heating said soleplate and steam generator, and means for supplying water to said steam generator, said last-mentioned means including a member mounted above said steam generator and having a vertical passage therethrough opening at its lower end into said steam generator for discharging the water by drops into said steam generator, the lower end of said passage flaring outwardly and downwardly, whereby water flowing through said passage tends to spread out over the surface of the flared lower end to distribute the drops of water over a wide area of said steam generator.

2,353,427
APPARATUS FOR CONVERTING MULTIPHASE ALTERNATING CURRENT INTO DIRECT CURRENT, AND VICE VERSA
Carl Zellweger, Zurich, Switzerland, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 8, 1942, Serial No. 442,272
In Switzerland May 17, 1941
5 Claims. (Cl. 175—364)



1. Apparatus for converting power between a tri-phase alternating circuit and a direct current circuit comprising a transformer, two separate synchronously driven contact devices, a movable contact member associated with each contact device, corresponding contact segments of each being interconnected and connected with the terminals of the secondary windings of the transformer in the order whereby the movable contact members are continually changing over from a pair of contact segments of one phase to a pair of contact segments of the following phase at the interval in which the two phase voltages are equal but opposed.

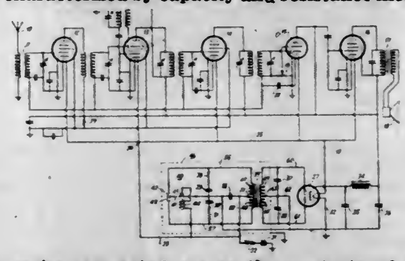
2,353,428
TIRE PRESSURE INDICATOR
Clarence C. Akin, Seminole, Okla., assignor to J. D. Akin, Seminole, Okla.
Application January 2, 1942, Serial No. 425,483
3 Claims. (Cl. 73—31)



1. A tire pressure indicator comprising a vehicle wheel, a pneumatic tire thereon, an annular chamber mounted on said vehicle wheel and opening inwardly thereof, conduit means connected to the chamber and to the pneumatic tire and forming a passage between the chamber and the tire, an annular plunger slidably mounted in said chamber and adapted to be moved inwardly of the wheel by the air pressure in the chamber, means for yieldably urging the plunger in the opposite direction, a brake drum on the wheel having front and back plates, a ring concentric with the rotatable axis of the wheel mounted in said brake drum, from which the wheel is detachable, means extending from said ring at a plurality of points through said front plate for sliding movement with the plunger, spring pressed rods slidably mounted in said back plate urged toward said ring, and said rods having portions engaging the ring, and a gage-actuating element connected to and actuated by one of said rods.

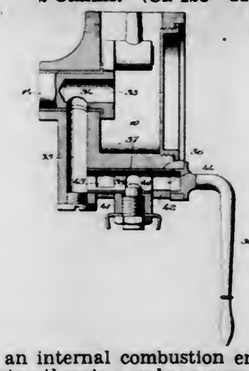
2,353,429
VIBRATOR POWER SUPPLY FOR RADIO RECEIVERS
Edward F. Andrews, Chicago, Ill., assignor to Radio Corporation of America, a corporation of Delaware
Application May 7, 1941, Serial No. 392,306
9 Claims. (Cl. 250—27)

1. In amplifying apparatus of the type having thermionic tubes each of which is provided with a filament and an anode, a power transformer, a source of direct current, a current interrupter acting upon operation to periodically connect said source across the primary of the transformer, a power conditioning circuit connected across the secondary of the transformer, said power conditioning circuit including a rectifier tube for supplying direct current potentials to said anodes, connections between said source of direct current and said filaments for energizing the filaments, means for supplying current from said source of direct current to said interrupter to operate the interrupter and thereby render the direct current from said source transformable whereby alternating current is available across said secondary winding, the improvement which is characterized by capacity and resistance means



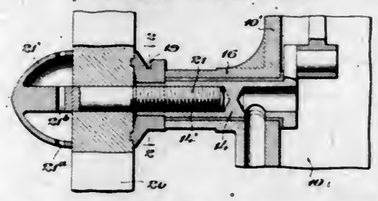
in series connected across the contacts of the interrupter and forming with the inductance of solely the primary a high frequency filter circuit to prevent high frequency disturbances from the interrupter from being transferred to said thermionic tubes through said filament and battery circuits and said primary and secondary of the transformer being so relatively positioned as to provide sufficient leakage to render the said primary inductance an effective choke.

2,353,430
FUEL AND AIR REGULATING MEANS FOR ENGINES
Thomas R. Arden, Danbury, Conn.
Original application June 12, 1939, Serial No. 278,772. Divided and this application February 27, 1942, Serial No. 432,711
2 Claims. (Cl. 123—119)



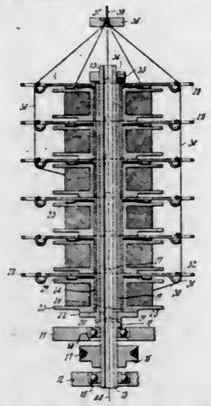
1. In an internal combustion engine, a crank case having therein a valve-accommodating bore and a fuel supply duct for the engine leading from said bore, a hollow cylindrical valve open at one end and closed at its other end and rotatably mounted in said bore and having its interior in communication through the open end with said duct, said valve having a circumferentially extending slot, and a fuel nozzle carried by said crank case and extending into said slot, thereby holding said valve against longitudinal movement in said bore, said crankcase and valve having air admission ports disposed, longitudinally with respect to said valve, at opposite sides of said nozzle, respectively, for cooperation by rotation of said valve to regulate admission of air into said valve.

2,353,431
PROPELLER MOUNTING MEANS CONSTRUCTION
Thomas R. Arden, Danbury, Conn.
Application February 27, 1942, Serial No. 432,713
2 Claims. (Cl. 170—173)



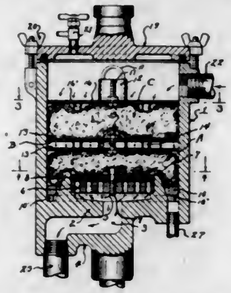
1. A mounting for the propellers of miniature aircraft engines constructed to resist bending of the propeller driving means upon crashing, comprising, a hollow boss carried by the engine housing and having its outer end presenting a rigid abutment face, a crank shaft journalled in the boss and having an extension projecting beyond said abutment face of the boss, said crank shaft having an internal socket provided with threads, a propeller abutment non-rotatably secured to the said extension of the crank shaft and having its inner face solidly engaging the said abutment face at the end of the boss, a propeller including a hub whose inner side is engaged with the outer face of the propeller abutment, and a bolt having its head engaging the outer side of the propeller hub and also having its threaded shank passing through the hub and into said socket of the crank shaft.

2,353,432
APPARATUS FOR FORMING CORDS
Conard J. Arrington, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 12, 1942, Serial No. 442,651
10 Claims. (Cl. 57—17)



1. An apparatus for twisting cord elements comprising, a driven spindle, a plurality of cord element spools positioned axially about the spindle in concentric relation therewith, means mounted on the spindle between the spools and positively rotated by the spindle and provided with guides for guiding the cord elements from the spools, a guide positioned above the spindle and having an aperture located axially of the spindle, and means for drawing the cord elements from the spools and through said aperture.

2,353,433
FLUID FILTER
Joseph F Auberschek, Milwaukee, Wis.
Application November 17, 1941, Serial No. 419,427
2 Claims. (Cl. 210—134)



1. A fluid filter, comprising a housing having inlet and discharge pipe connections at its ends, a flange extending upwardly from the bottom of the housing, the same being provided with an internal shoulder spaced above said bottom, a filter unit embodying a plurality of perforated discs seated upon the flanged shoulder to form a water pocket thereunder in communication with the discharge pipe connection, a ring removably fitted to the bottom of the housing about its flanged portion, bails extending upwardly from the ring adjacent the inner walls of said housing and terminating near the inlet end of the same, a plurality of filter pads, screened discs interposed between the pads, the bottom surface of the lower pad engaging the flange shoulder of the housing and bail carrying ring, said filter pads constituting a removable cartridge.

2,353,434
PREPARATION OF DICYANOSTILBENES
Harry James Barber, Gidea Park, Romford, England, assignor to May & Baker Limited, Dagenham, Essex, England, a British company
No Drawing. Application September 11, 1941, Serial No. 410,446. In Great Britain September 25, 1940
8 Claims. (Cl. 260—465)

1. Process for the production of a member of the group consisting of 4:4'-dicyano-stilbene and 2,4'-dicyano-stilbene comprising reacting the corresponding member of the group consisting of 4:4'-α,β-tetrabromo-diphenylethane and 2,4'-α,β-tetrabromo-diphenylethane with a cuprous salt, whereby the corresponding dibromo-stilbene is formed, reacting the latter with cuprous cyanide, and separating the resulting dicyano-stilbene from the reaction product.

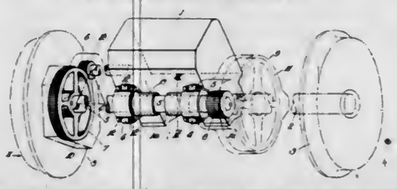
2,353,435
SIDE SAMPLER FOR DEEP WELLS
Walter J. Barnhart, Huntington Beach, Calif.
Application June 16, 1941, Serial No. 398,283
18 Claims. (Cl. 255—1.4)

1. In a sampling tool for taking a sample from the side of a well-bore, the combination of a tubular tool string having an opening in its wall, a tubular housing within the tool string having an opening through its side wall, capable of aligning with the first named opening, a tool-carrier, a sampler-tool movably supported in the carrier and having its receiving mouth at its lower end, and cam-means unattached to the sample-taker but lying in the path of the sample-taker for deflecting the same outwardly through the openings when the tool-carrier is moved longitudinally in



the housing, to force the mouth of the sample-taker into the earth and formation alongside the well-bore.

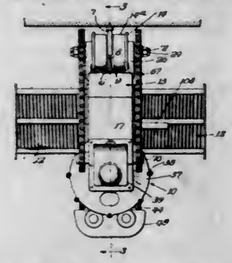
2,353,436
DRIVING MEANS FOR ELECTRICALLY PROPELLED VEHICLES
Eric Alton Binney, Curly Hill, England, assignor to The English Electric Company Limited, London, England, a British company
Application February 10, 1942, Serial No. 430,313
In Great Britain January 15, 1941
1 Claim. (Cl. 105—113)



A driving unit for the axle of a vehicle comprising in combination an electric driving motor including an armature and frame, bearings on one side of said motor frame for suspending the motor from the vehicle axle, an intermediate shaft with its axis parallel to but not co-planar with the axes of said armature and said suspension bearings, the axis of the armature lying above and between said other two axes, a train of gearing including a pinion rotatable with said armature and a gear wheel on said intermediate shaft meshing with said pinion and lastly a support for said intermediate shaft movably mounted on said motor frame and movable in a direction away from both the armature and the said suspension bearings.

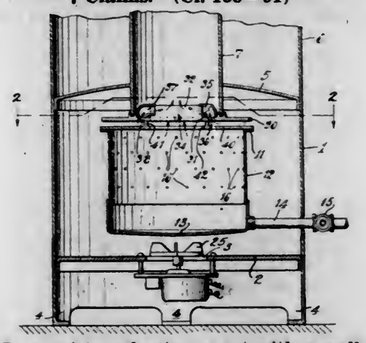
2,353,437
ELECTRIC TRAVELING HOIST
George E. Bock, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application January 23, 1943, Serial No. 473,333
19 Claims. (Cl. 212—131)

1. A hoist designed for use in connection with a track and comprising a carriage adapted for travel along the track, a rotatable hoisting element on the carriage, a rotatable element on the carriage for propelling said carriage along the track, an electric motor rotatably mounted on the carriage and having the casing thereof connected to drive one of the elements, gear-



ing for driving the other element from the armature of the motor, a brake for controlling drive of said one element, and a second brake for controlling drive of said other element.

2,353,438
POT TYPE BURNER AND MEANS FOR THE DELIVERY OF SECONDARY AIR
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application June 16, 1941, Serial No. 398,293
7 Claims. (Cl. 158—91)

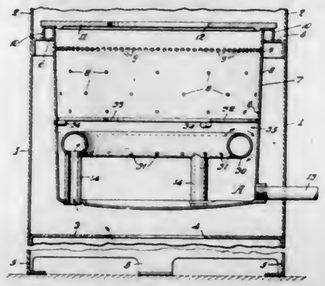


1. In a pot type heater, a pot with a wall having a plurality of primary air inlet apertures therein, means for supplying a liquid fuel to said pot at a variable and controllable rate, a flame chamber located above and in communication with the interior of said pot, a generally horizontal fire ring partially closing the top of said pot, said fire ring having a plurality of adjacent apertures in communication with the flame chamber, and secondary air inlet passage means adapted to direct secondary air laterally across said apertures.

2,353,439
PILOT SUPPORT AND AIR FEED FOR POT TYPE BURNERS
James L. Breese, Santa Fe, N. Mex., and Milton D. Huston, Chicago, Ill., assignors to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application August 13, 1941, Serial No. 406,634
4 Claims. (Cl. 158—91)

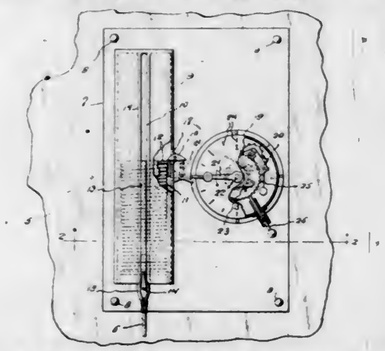
1. In combination, in a pot type burner, a burner pot having a plurality of air inlet apertures located at various levels in the side wall thereof, a pilot structure including a hollow tube extending circumferentially about said pot intermediate bottom and top thereof and below the

lowest of said air inlet apertures in the pot, said tube having a plurality of air outlets adapted to deliver air to the space within the pot, means for delivering outside air to the tube, and a baffle ring located above the tube and below the lowest



of said apertures, said tube being spaced downwardly below said ring and inwardly away from the wall of the pot, whereby recirculation of gases is permitted outwardly and downwardly between the tube and the ring and between the tube and the pot wall.

2,353,440
AUTOMATIC PARACHUTE OPENING DEVICE
Paul K. Bresee, Champaign, Ill.
Application January 12, 1942, Serial No. 426,521
3 Claims. (Cl. 244—150)



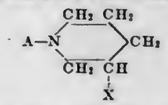
1. A device adapted automatically to open a packed parachute and comprising a base plate provided with means for attachment to the parachute pack, a hollow cylinder mounted on the outer face of the plate with the axis thereof in parallel relation with said plate, provided with end closures and having a substantially full length longitudinal slot and outwardly extending spaced apart flanges along its slot defining portions, a plunger mounted in the cylinder to slide back and forth between the central portion thereof and one end of the closures, a rod having one end extremity thereof bent at right angles, projecting through the slot and connected to the plunger, its remaining portion, with the exception of its other extremity, extending lengthwise of, and approximately half as long as, the cylinder, fitting slidably between the flanges and projecting from said one end extremity towards the other end closure, and its said other end extremity bent outwards and shaped to form means for attachment to the rip cord of the parachute, a compression spring in the cylinder extending between the plunger and said other end closure and arranged to urge said plunger toward said one end closure, releasable latch means mounted on the cylinder and adapted when in its operative or latched position to hold the plunger in the central portion of the cylinder against the force of the spring, and timing mechanism mounted on the base plate adjacent the cylinder and operative after a predetermined period of time to trip the latch means into its inoperative or unlatched position and thus release the plunger so that it is shiftable by the springs towards said one end closure and effect corresponding shift of the rod and parachute rip cord.

2,353,441
PROCESS FOR REMOVING TOLUENE FROM p-TOLUENE SULPHONIC ACID
William B. Brown, Westmont, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application March 6, 1942, Serial No. 433,593
4 Claims. (Cl. 202—46)

1. A process for removing toluene from p-toluene sulphonic acid which comprises subjecting molten p-toluene sulphonic acid containing toluene to steam distillation while maintaining the temperature of the melt below about 120° C.

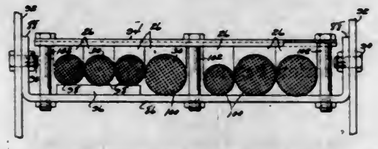
2,353,442
COMPOSITION TOXIC TO LOWER FORMS OF LIFE
Edward C. Callaway and Robert G. Rosenstiel, Corvallis, Oreg.
No Drawing. Application January 17, 1941, Serial No. 374,892
3 Claims. (Cl. 167—33)

3. An insecticidal composition containing an active ingredient which comprises a tertiary amine of the general type formula:



wherein A is the alkyl radical isoamyl, and X is a hydrogen saturated carbon-nitrogen ring structure, and a carrier for said ingredient.

2,353,443
CYLINDRICAL WORK HANGER
John A. Carpenter, Long Beach, and Mary E. McGill, Burbank, Calif.
Application February 9, 1943, Serial No. 475,272
2 Claims. (Cl. 248—68)



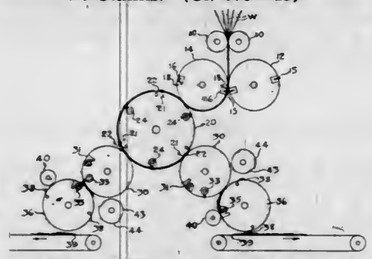
1. In a hanger for cables and the like, an elongated bracket bar, a channel clamping bar having its flanges facing the bracket bar and mounted parallel with said bracket bar, a plurality of holder blocks adapted to be interposed between the clamping channel and the respective cables resting on the bracket bar, each of said blocks being rectangular in cross section with its dimension transversely of the hanger being such as to slidably fit against the channel web between the flanges and its dimension longitudinally of the hanger corresponding to the diameter of the cable with which it is associated the height of each block being inversely proportional to the diameter of the cable mounted therein, the bottom of the block having a concave curvature conforming to the circumferential curvature of the cable, and means for holding the clamping and bracket bars in clamping assembly.

2,353,444
CONNECTION OF CARBON BODIES
Ottmar Conradty, Rothenbach-on-the-Pegnitz, and Hans Zöllner, Lauf-on-the-Pegnitz, Germany; vested in the Alien Property Custodian
Application September 4, 1940, Serial No. 355,390
In Germany August 10, 1939
6 Claims. (Cl. 171—325)



1. A composite body comprising at least one shaped part of artificial carbon material, at least one second part making up the composite body together with said carbon part, and a metal casting engaged into the abutting faces of said parts and holding said parts in tight engagement with each other by its shrinkage pressure.

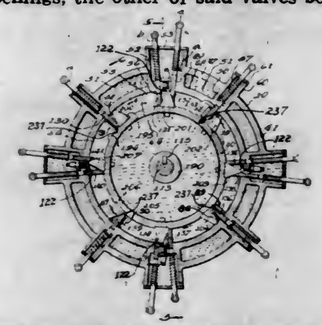
2,353,445
FOLDING AND DELIVERY MECHANISM
Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application June 3, 1942, Serial No. 445,544
12 Claims. (Cl. 270—43)



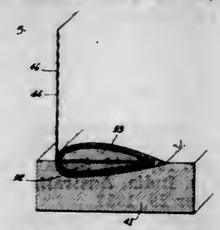
1. A cutting, folding and delivery mechanism including in combination means for cutting sheet lengths from a running web, means for taking the cut sheets and selectively collecting and not collecting said sheets, means for folding the cut sheets and a delivery cylinder for delivering said folded sheets selectively operable to form and not to form a second parallel fold in the cut sheets, said delivery cylinder being rotatable at different speeds and having a folding jaw which may be rendered inoperative.

2,353,446
INTERNAL-COMBUSTION ENGINE
Herman F. Davidson, Sioux City, Iowa
Application June 17, 1942, Serial No. 447,332
4 Claims. (Cl. 123—14)

1. In an internal combustion engine, the combination of a stator having a cylindrical chamber, with a rotor rotatably mounted in said chamber, and having a cylindrical wall spaced from the wall of said chamber, a plurality of vanes carried by said rotor and engaging the walls of said stator and adapted to serve as pistons, said stator having inlet and exhaust conduits, a plurality of valves carried by said stator, said valves being slidably mounted in the outer wall of said stator and engaging the end walls of the stator and the cylindrical surface of the rotor, one of said valves serving as an exhaust-intake valve and being located between the exhaust and intake openings, the other of said valves being located close to each other to form a compression-transfer chamber, said stator having conduits for passing a compressed charge from a point in front of the vane to a point behind the vane as the vane passes through said latter chamber, and ignition means in said latter chamber, and an auxiliary compression plunger mounted in said latter chamber and adapted to be projected into said latter chamber behind a vane in the chamber to increase the compression uniformly to a maximum without relapse of compression.



2,353,447
METHOD OF PRODUCING STRUCTURAL ELEMENTS
Arthur Doherty, Los Angeles, Calif.
Application August 26, 1941, Serial No. 408,340
3 Claims. (Cl. 154—2)



1. The method of producing a hollow structural element which includes the steps of forming part of an outer facing sheet having interlocking means on a face thereof to the configuration of the outer face of the finished structural element with said interlocking means facing inward, applying cementitious grouting material thereto, forming part of an inner facing sheet having interlocking means on a face thereof to the configuration of the corresponding part of the inner face of said finished structural element with its interlocking means facing outward and pressing said inner facing sheet onto said grouting to imbed its said interlocking means within said grouting, then forming the remainder of said inner facing sheet to the configuration of the remainder of the inner face of said structural element with its associated interlocking means disposed outwardly, applying cementitious grouting mate-

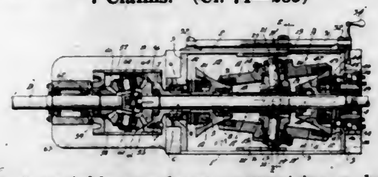
rial thereto, and forming the remainder of said outer facing sheet to the configuration of the remainder of the outer face of said structural element and pressing said remainder of said outer facing sheet onto said grouting to imbed its associated interlocking means therein.

2,353,448

VARIABLE-SPEED POWER TRANSMISSION

William Edlich, Dover, N. J.

Application March 4, 1943, Serial No. 477,905
7 Claims. (Cl. 74—285)



1. A variable speed gear comprising a driving shaft, a secondary shaft rotatable coaxially with and relatively to said driving shaft, a friction wheel on and rotatable with each said shaft and having a peripheral friction surface that varies in diameter axially of said shaft, a spindle, a non-rotatable mounting for said spindle telescopically slidable on and longitudinally of said driving shaft between said friction wheels, a bracket for said spindle pivotally connected to said mounting on an axis that is disposed transversely of the axis of said friction wheels so that said spindle may tilt in an axial plane of said friction wheels, a transmission disc rotatable on said spindle and frictionally contacting with said friction surfaces of said friction wheels so that said wheel on said secondary shaft is driven from the other wheel, and means for moving said mounting longitudinally of said axis of the friction wheels to vary the speed of rotation of said driven friction wheel.

2,353,449

PREPARATION OF NEW THERAPEUTICALLY USEFUL HETEROCYCLIC COMPOUNDS

Arthur James Ewins, Gidea Park, Romford, and Montague Alexander Phillips, Romford, England, assignors to May & Baker, Limited, London, England, a company of Great Britain and Northern Ireland

No Drawing. Original application November 1, 1938, Serial No. 238,164. Divided and this application April 19, 1940, Serial No. 330,526. In Great Britain, India, Australia, and New Zealand November 29, 1937
1 Claim. (Cl. 260—239.6)

The process for producing 2-(p-amino-benzene-sulphonamido)-quinoline which comprises reacting p-acetyl-amino-benzene-sulphonamide with 2-bromo-quinoline in the presence of potassium carbonate and copper powder for the production of 2 - (p-acetylamino-benzene-sulphonamide)-quinoline, and hydrolysing the reaction product under alkaline conditions.

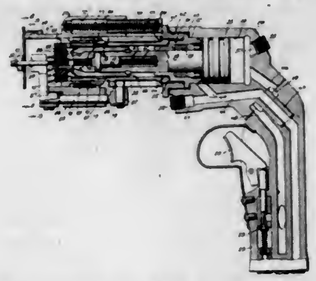
2,353,450

DIMPLING TOOL

Howard R. Fischer, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application January 11, 1943, Serial No. 471,950
12 Claims. (Cl. 153—21)

1. A power tool for dimpling metal sheets, comprising first and second opposed dies adapted to engage the work on opposite sides thereof, the work engaging surface of said first die being concave in shape and the corresponding surface on said second die being convex in shape, a shank portion on said first die, there being an opening therefor in said second die, said shank portion being adapted to be passed through a guide hole in the work and through said second die, a cylinder constituting a principal support of the tool and having said second die secured to its outer end, movable means within said cylinder for gripping said shank and pulling it, the reaction being applied through said cylinder to said second die and the opposed dies being thereby



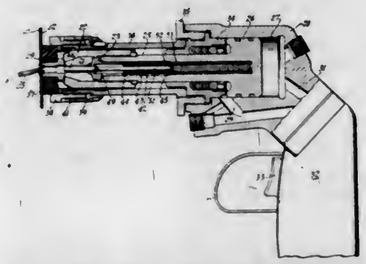
squeezed together to sink the convex surface into the intermediate work sheet or sheets, the second die having a reduced portion terminating in said convex surface, a pressure pad closely surrounding the reduced portion and the convex surface of said second die and pressed therewith against the work surface during dimpling immediately about the portion of the latter being dimpled in order to prevent distortion of the metal around the guide hole, and a retainer for said pad mounted on the outer end of said cylinder and adjustable to confine more and less of said pad and thereby increase and reduce the resistance thereof.

2,353,451

DIMPLING MACHINE WITH EJECTOR FOR BROKEN PINS

Howard R. Fischer, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application February 5, 1943, Serial No. 474,792
4 Claims. (Cl. 153—21)



1. In dimpling apparatus including a power tool, the combination of a casing having a die rigidly mounted at the front end thereof adapted to be pressed into contact with one side of the work, a removable die adapted to complement the rigidly mounted die and engage the opposite side of the work, the latter die having a mandrel associated therewith which is adapted to be

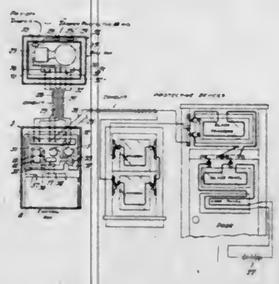
passed through the work and through said rigidly mounted die into the tool, and cyclical power operated means within said tool for gripping said mandrel and pulling the same while applying the reactive force to said rigidly mounted die, said means comprising radially separable chuck jaws, a power driven piston having means for bringing the jaws together upon said mandrel during rearward travel of the piston, a movable plunger effective upon forward movement of the same to separate said jaws when the latter are released in forward position of said piston, and resilient means urging said plunger forward, said mandrel being subject to occasional accidental breakage by application of the reactive force during operation with the result that a fragment of said mandrel tends to remain in the tool; and ejecting means movable with respect to said plunger and located within said tool in a position to be effective at the conclusion of the working cycle to project forward between said jaws and eject the mandrel fragment from the front end of said tool in all positions thereof.

2,353,452

BURGLAR ALARM CONTROL BOX

Arthur W. Fruh, Chicago, Ill.

Application April 15, 1943, Serial No. 483,102
8 Claims. (Cl. 177—314)



1. In a control box for an alarm system, the combination of a bell circuit and a protective circuit, a relay in said protective circuit having switch contacts for controlling said bell circuit and the protective circuit, a master switch for said system in series with the bell circuit and the portective circuit, and an indicating device in said protective circuit responsive to said master switch and relay to provide visual means to show whether or not said system is active.

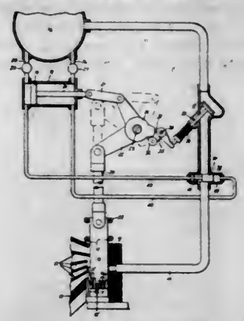
2.353,453

ELECTRIC CIRCUIT INTERRUPTER

John D. Gayer and Edward J. Frank, Springfield, and Alexander C. Boisseau, Lansdowne, Pa., assignors to General Electric Company, a corporation of New York

Application February 26, 1943, Serial No. 477,248
6 Claims. (Cl. 200—148)

1. In an electric circuit breaker of the fluid blast type comprising means defining an arc chamber, relatively movable contacts separable to draw an arc in said chamber, a source of fluid under pressure for supplying a fluid blast to said arc chamber, valve means for controlling the flow of fluid from said source to said arc chamber, means for producing relative movement between said contacts, means responsive to relative movement of said contacts for operating said valve means to the same extent during both the opening and closing operations of said circuit breaker,



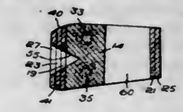
and means for reducing the flow of said fluid to said arc chamber during the circuit closing operation.

2,353,454

PICKER AND METHOD OF MAKING SAME

William Gillet and Edwin L. Morris, Worcester, Mass., and David A. Ahlstrand, Atlanta, Ga., assignors to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts

Application May 27, 1941, Serial No. 395,344
1 Claim. (Cl. 139—159)



The improved method of manufacturing leather pickers of the kind described, interchangeable for either "rights" or "lefts," which consists in assembling a plurality of filler layers of leather side by side in association with a form simulating a picker stick, thereupon winding about the filler strips and the form an enclosing layer of adhesively coated leather to constitute a plurality of layers secured together by adhesive both across the face of the filler and around the form with the face and loop portions relatively disaligned, thereupon molding the picker, compressing the leather before the adhesive has set of both said filler and enclosing strips into centralized balanced alignment with the loop around the picker stick form, thereupon trimming the face of the picker at both top and bottom to constitute a further balanced relationship of said face with said loop, and thereupon pre-forming a shuttle-receiving recess centrally of the trimmed and compressed head, whereby said recess in the face will be accurately aligned with the center of the picker stick loop, with an equal mass of wearing material above and below the recess, and an equal mass of material on each side of the recess is provided.

2,353,455

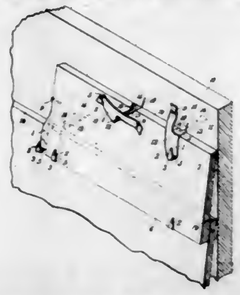
FASTENING DEVICE

Emanuel Gisondi, Larchmont, N. Y.

Application January 21, 1943, Serial No. 473,046
13 Claims. (Cl. 20—0.5)

1. A device for fastening siding, shingles or the like to penetrable sheathing consisting of a clip member having a body disposed on the outside of the sheathing and held flatwisely with respect to the surface of the same and a prong

passing through the sheathing, said prong having a head disposed at the back of the sheathing and provided with a shoulder engaging the rear face of the sheathing and preventing withdrawal of the prong through the opening through which it was passed through the sheathing after the



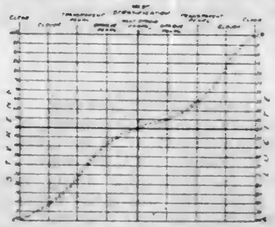
prong is rotated in said opening to a position angular to that in which it was passed through the sheathing, and means on the body of the clip for engaging over the top of one shingle to hold it against the sheathing, and engaging below the bottom of another shingle to support the same.

2,353,456
DISPENSING CONTAINER
Fred C. Gluck, Minerva, and Rankin C. McCaskey, Shaker Heights, Ohio, assignors to Minerva Wax Paper Company, Minerva, Ohio, a corporation of Ohio
Application March 20, 1940, Serial No. 325,038
16 Claims. (Cl. 206—58)



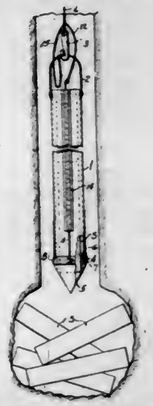
1. A dispensing package including a roll of paper or the like having wound therearound in substantially cylindrical form a somewhat stiff and resilient cover consisting of more than one convolution and provided along its overlapping side edge with cutting means, the ends of the said cover being provided with radially extending triangular tongues converging toward the center of said cover, and caps closing the opposite ends of the said cover, each of said caps being substantially circular in shape and being united to the tongues on said ends and each having a slot extending from the center to the periphery thereof.

2,353,457
SYNTHETIC PEARL RESIN
Gerald A. Goessling, Richmond Heights, Mo.
Application October 7, 1940, Serial No. 360,183
12 Claims. (Cl. 18—55)



1. A composition of matter consisting essentially of a molded heterogeneous mixture of at least two clear incompatible thermoplastic resins in the form of a multiplicity of separate, but firmly bonded layers of the respective materials, said layers being of irregular size, shape and arrangement to form a multiplicity of irregularly disposed light reflecting surfaces within the body of the material whereby said composition has the appearance of pearl without the addition of pearl powders.

2,353,458
DEEP WELL DUMP CAN
Howard H. Greene, Oklahoma City, Okla.
Application August 3, 1940, Serial No. 350,527
5 Claims. (Cl. 102—20.2)



1. In a deep well device of the class described, a container, a closure for the lower end thereof, the adjacent portions of said container and closure including juxtaposed outturned elements, a split band of spring material surrounding said portions and overlying the upper of said elements and underlying the lower of said elements, a part for holding the band distorted and constricted, and means operable from the well head for releasing the band from said part.

2,353,459
METHOD OF AND APPARATUS FOR SPRAY-DRYING LIQUIDS WHICH HAVE A NON-LIQUID INGREDIENT
Max Friedrich Gruber, Stamford, Conn., assignor to Inredeco, Inc., Panama City, Panama, a corporation of Panama
Application April 24, 1941, Serial No. 390,078
9 Claims. (Cl. 159—4)

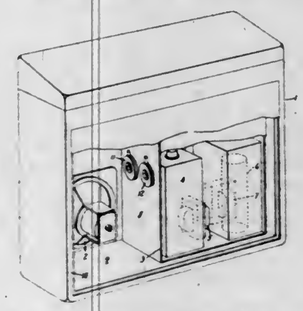


3. A method of treating a liquid which has a non-liquid ingredient, in order to separate the non-liquid ingredient in finely-divided solid form from said liquid, which consists in atomizing and vaporizing said liquid by means of a jet of heated gas which is moved through a gaseous atmosphere, aspirating gas from said atmosphere towards said jet and propelling said aspirated gas by means of said jet in the same direction as the direction of said jet, regulating the amount of aspirated gas which is moved in unison with the jet by moving the jet through a diaphragm having a bore which is sufficiently small to be substantially filled by said jet and aspirated gas and vapor.

2,353,460
METHOD OF OBTAINING RUBBER FROM CRYPTOSTEGIA
John W. Haefele, Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 1, 1942, Serial No. 456,968
4 Claims. (Cl. 47—10)

1. Method of obtaining rubber from Cryptostegia which comprises wounding sections of the stems and branches of the plant in such a manner as to cause latex to flow to the wounds, thereafter clipping plant parts including the wounded sections, and extracting rubber from the clipped plant parts.

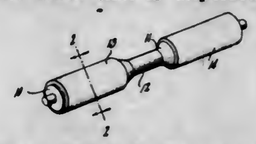
2,353,461
DRY PLATE RECTIFIER FOR PORTABLE RADIOS
Charles E. Hamann, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application March 31, 1942, Serial No. 436,932
6 Claims. (Cl. 175—366)



1. In a radio apparatus and the like, a dry plate rectifier adapted to be connected to an alternating current source to supply direct current to said apparatus, a metal container for housing devices of said apparatus, said rectifier including a wall of said container and at least one rectifier element supported by and in thermal contact with said wall whereby said wall dissipates heat losses of said rectifier and said wall becomes part of the rectifier circuit and is maintained at the same potential as said rectifier element.

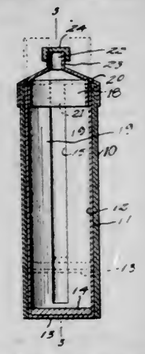
2,353,462
COVERING MATERIAL FOR TEXTILE DRAWING AND FEEDING ROLLS
Henry H. Harkins, North Providence, R. I. assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 29, 1941, Serial No. 416,944
5 Claims. (Cl. 19—143)

1. A textile drawing or feeding roll comprising a metal arbor, and a tubular cover fixed on said arbor, made of a compound including a large amount of a rubber-like co-polymer of butadiene and acrylonitrile containing a substantial amount of acetylene black that is dispersed to only a



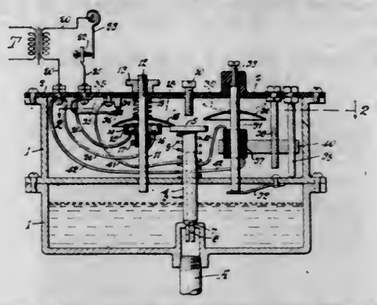
moderate degree through the compound to impart to the cover a resistivity of ½ megohm-cm. or less whereby the tendency of the cover to carry a charge of statical electricity is reduced.

2,353,463
COLLAPSIBLE TUBE
Burl E. Harman, Henryetta, Okla.
Application June 4, 1942, Serial No. 445,781
5 Claims. (Cl. 222—386)



1. A collapsible tube structure comprising an outside tube, an inside tube within the same, a cap carried by the outside tube provided with slot means, and means interfitting said inside tube and cap for relative sliding movement of the tube through said slot means in the cap in dispensing the contents of the inside tube.

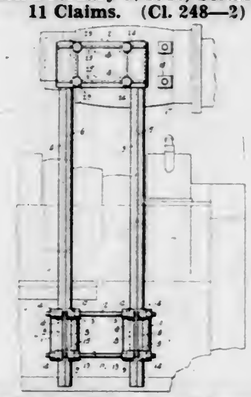
2,353,464
CONTROL DEVICE FOR LIQUID FUEL BURNERS
Bruce Hayter, Santa Fe, N. Mex., and Stanley Perry, Chicago, Ill., assignors to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application May 8, 1941, Serial No. 392,504
8 Claims. (Cl. 236—68)



1. In valve control means for use with liquid fuel burners, a valve housing, a valve member

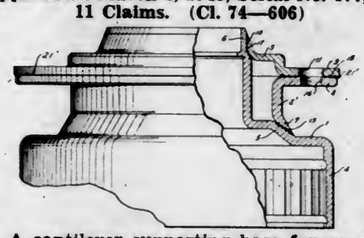
movably mounted in said housing, means for normally holding the valve member in closed or minimum flow position, including a bimetallic warping disc, means for causing said valve member to move sharply toward open position, including means for heating said warping disc, means for maintaining said valve member at a subsequent intermediate flow position for a predetermined period, including a second bimetallic warping disc, and means for thereafter causing movement of the valve member to full flow position, including means for heating said second warping disc.

2,353,465
MACHINE TOOL DRIVE SUPPORT
William C. Heath, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application February 9, 1942, Serial No. 430,097
11 Claims. (Cl. 248—2)



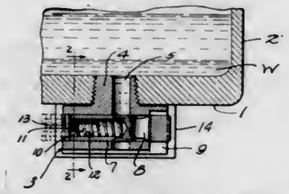
1. A machine tool drive unit support comprising lower bracket clamps secured to the side of a machine tool, an upper bracket clamp secured to a machine tool drive unit, horizontally spaced upright posts disposed between and securely clamped by said brackets, means providing for movement of the posts up and down to support the drive unit at different heights, and means providing for movement of the upper bracket clamp horizontally, independently of said posts, to support the drive unit at different horizontal positions relative to said machine tool.

2,353,466
HOUSING AND METHOD OF MAKING SAME
Ralph M. Heintz, Cleveland, and David J. Conant, Cleveland Heights, Ohio, assignors to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application March 4, 1943, Serial No. 477,930
11 Claims. (Cl. 74—606)



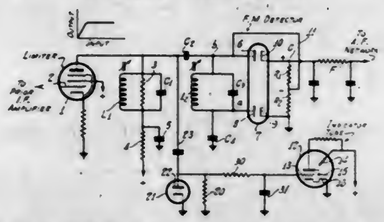
1. A cantilever supporting base for an engine accessory housing comprising a housing body member, said body member having a reduced cylindrical end portion and a conical surface adjacent said end portion, and a mounting flange member for supporting said housing, said flange member comprising an annular box construction having a cylindrical portion bonded to said cylindrical end portion, a conical portion bonded to said conical surface, and a radial supporting flange surrounding said body member intermediate said two portions.

2,353,467
OIL SUMP DRAIN VALVE
James J. Hennessy, Montclair, N. J.
Application February 10, 1943, Serial No. 475,347
4 Claims. (Cl. 137—34)



1. In a sump drain valve of the class described, a one-piece body having a drain passageway extending therethrough in one direction and having a plunger passageway intersecting the drain passageway, a one-piece elongated plunger slidable in the plunger passageway and having one end normally projecting from one end of the plunger passageway, the body including a shield partially surrounding the projecting portion of the plunger and opening outwardly from the end of the plunger and at one side thereof, there being a recess in the plunger extending inwardly from its other end, a spring housed in said recess with one end seated against the inner end thereof, a seat on the body for the other end of the spring, the plunger having a transverse aperture between its projecting end and the spring housing recess, the plunger being movable from its normal position against the thrust of said spring by a finger or a tool pressed against said projecting end and moving along the open side of the shield to align the aperture and the drain passageway, and a stop limiting the spring thrust movement of the plunger.

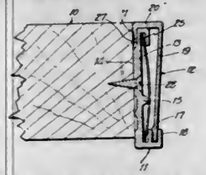
2,353,468
FREQUENCY MODULATION RECEIVER CIRCUIT
Paul F. G. Holst and Loren R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 22, 1942, Serial No. 444,046
8 Claims. (Cl. 250—27)



1. In a detector of angular velocity-modulated carrier waves, a pair of rectifiers, a source of such waves, a first resonant circuit, a second resonant circuit, means connecting the opposite

sides of the second circuit to a respective one anode of said rectifiers, means capacitatively coupling the high potential sides of said two circuits, means capacitatively connecting the low potential side of the second resonant circuit to a point of relatively fixed alternating potential, an output load connecting the cathodes of said rectifiers, means establishing a point on said load at a relatively fixed alternating potential, means for deriving modulation voltage from another point on said load, the L/C ratio of the two resonant circuits being different, and the constants of the network between said source and said rectifiers being so chosen that the resonance peaks of the response curve of one resonant circuit are of greater separation than the resonance peaks of the other resonant circuit.

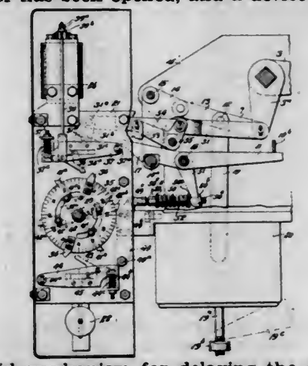
2,353,469
PRICE TICKET MOLDING
Leo Hopp, New York, N. Y., assignor to The Hopp Press, Incorporated, New York, N. Y., a corporation of New York
Application November 17, 1942, Serial No. 465,849
1 Claim. (Cl. 40—16)



In combination, a price ticket molding and ticket protector therefor, said molding comprising a main body portion having a substantially flat back surface for fitting against the front end of a shelf, price ticket retaining means provided on the front face of said body portion, a recess provided in the back of the main body inwardly from the top thereof and extending the length of said main body portion whereby when the molding is secured to the front end of a shelf the upper edge thereof will be spaced therefrom, a guard comprising a transparent body portion overlying the front face of the molding, a seat provided at the lower edge of the main body forward of the plane of the price ticket retaining means for receiving the lower edge of the transparent body portion, a rearwardly extending flange extending from the upper edge of the transparent body portion overlying the top of the main body of the molding, and a downwardly extending lip extending from said flange for free reception in the space between the upper edge of the molding and the front of a shelf to which it is adapted to be secured.

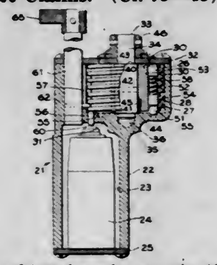
2,353,470
RECLOSING CIRCUIT BREAKER
Emil A. Ileman, Bethlehem, Pa., assignor, by mesne assignments, to Realty and Industrial Corporation, Convent, N. J., a corporation of New Jersey
Application July 16, 1941, Serial No. 402,580
16 Claims. (Cl. 200—89)

1. The combination of an overload circuit breaker, a power driven mechanism, means for normally restraining said mechanism from movement and for releasing the same upon the opening of the breaker and for again restraining said mechanism after a predetermined movement thereof, a magnet for closing the breaker, a device actuated by said mechanism for energizing said magnet for reclosing the breaker after the breaker has been opened, and a device actuated



by said mechanism for delaying the automatic reopening of the breaker for a time interval after reclosing.

2,353,471
AUTOMATIC THICKNESS COMPENSATOR FOR RIVETING MACHINES
Wilbur Johndrew, Buffalo, N. Y.
Application July 15, 1943, Serial No. 494,867
20 Claims. (Cl. 78—48)

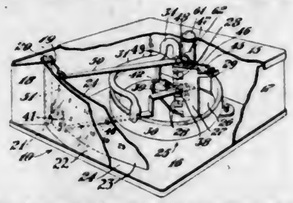


1. The combination in a riveting machine, having co-acting anvils and a pressure sleeve movable relatively to one of said anvils, of a thickness compensator comprising a housing, means carried by said housing for controlling the operation of the riveting machine, an axially movable member carried by the housing and arranged so as to be actuated by the movement of the pressure sleeve, and means carried by said housing intermediate said member and said control means for adjustably connecting the latter to said member, whereby said member may be adjusted to operate said control means at any desired point in the travel of said member.

2,353,472
COMBINED PRESSURE AND VACUUM GAUGE
Samuel Kahn, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application January 17, 1942, Serial No. 427,145
17 Claims. (Cl. 73—109)

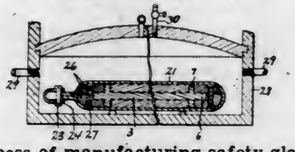
5. A gauge by which both pressure and vacuum are indicated comprising a casing, a dial stationarily supported thereby, a pressure responsive unit mounted within said casing and including a Bourdon tube, a siphon secured to said tube midway between its ends and through which the pressure to be indicated is transmitted to said tube, both ends of said tube being free, a pair of pointers movable over said dial, one pointer being connected to one end of the tube

and actuated by the expansion thereof and the other pointer being connected to the other end of the tube and actuated by the contraction



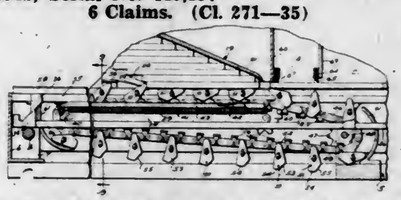
thereof, and means by which movement of either end of the tube is prevented when the other end of the tube is in motion.

2,353,473
PROCESS OF MAKING LAMINATED GLASS
Leroy D. Keslar, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 5, 1940, Serial No. 364,437
1 Claim. (Cl. 154—2.74)



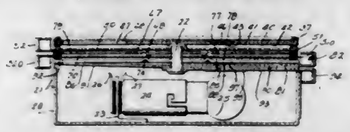
A process of manufacturing safety glass which comprises assembling a plurality of glass plates and interposed sheets of plastic material of larger dimensions, masking the exposed areas of the plastic material, applying molding frames to each side of the assembly in spaced relation to the edges of the glass plates, placing the assembly in a rubber bag, evacuating the bag and subjecting the assembly to controlled heat and pressure to bond the separate elements thereof into a composite unit.

2,353,474
BUTTERING MACHINE
Arthur William Kiehn, Elizabeth, N. J.
Original application June 26, 1941, Serial No. 399,907. Divided and this application June 30, 1942, Serial No. 449,157
6 Claims. (Cl. 271—35)



1. In a tile treating apparatus, a horizontally arranged frame, horizontally arranged guide means on the frame, a hopper supported on the frame above the guide means, means associated with the hopper for holding the tiles in stepped relation with the lowermost tile in a forward position, an endless conveyor supported in the frame and including pivoted dogs, the dogs engaging the tiles and moving them along the guide means, and tiles dropping from said tile-holding means after the lowermost tile has been moved beyond the rack, means for causing the dogs to move the tiles with the tiles spaced part, means for preventing the dogs engaging a tile from interfering with other tiles and means for preventing buckling of the conveying means under the strain of the dogs engaging the tiles.

2,353,475
PHOTOMETER
Wolcott S. Kinnard, Whitefish Bay, Wis.
Application April 25, 1941, Serial No. 390,263
20 Claims. (Cl. 88—23)



16. A photometric device of the light balancing type, comprising the combination with a housing and a source of illumination therein, of comparison field means positioned to be illuminated from said source and from an external source, a plurality of independently operable means cumulatively effective to vary the intensity of the illumination of said field from one of said sources, a first indicator comprising a scale and indicating means operatively connected to a first light varying means to indicate the effect of said first light varying means on said field means, and a second indicator comprising a scale and indicating means operatively connected with another of the plurality of light varying means for indicating the difference between the effect of said first light varying means and the sum of the effect on said field means of said first light varying means and said second light varying means.

2,353,476
PITMAN ATTACHMENT
James E. Kiper, English, Ky.
Application October 22, 1943, Serial No. 507,332
2 Claims. (Cl. 287—89)

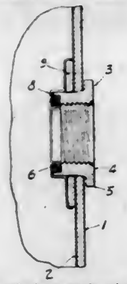


1. In combination with a pitman rod having spaced straps secured to and projecting from an end thereof, said straps having socket members on their outer ends, a reciprocating mower knife having a ball on one end disposed between and engaged in said socket members, and a bolt passing through the straps and having a nut threaded thereon for securing the socket members against the ball, a substantially U-shaped spring disposed between said straps for spreading the latter and permitting removal of the ball from the socket members when the nut is loosened, said spring having its bight portion disposed against an end of the pitman rod and including legs having notches in their ends receiving the bolt.

2,353,477
HOT-WATER TANK CONNECTION
Ernst R. Koppel, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 24, 1943, Serial No. 492,035
4 Claims. (Cl. 285—49)

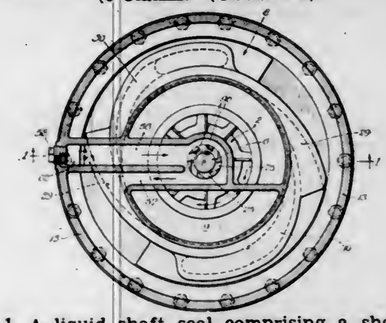
1. A tank connection for domestic water heaters and the like, comprising an internally threaded fitting of corrodible material secured in the wall of a tank which is lined to protect the same from corrosion, a protective non-corrosive plate secured over the inner end of said fitting and having a central opening registering with the opening of said fitting, means sealing the outer

edge of said plate to the lining of the tank, and a ring of non-corrodible material sealing the



inner edge of said plate against the end of a member threaded into said fitting to thereby protect the fitting from corrosion.

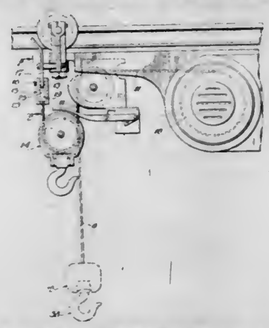
2,353,478
LIQUID SHAFT SEAL
Harry E. La Bour, Elkhart, Ind.
Original application March 17, 1939, Serial No. 262,339, now Patent No. 2,297,001, dated September 29, 1942. Divided and this application January 7, 1942, Serial No. 425,836
(9 Claims. (Cl. 286—9)



1. A liquid shaft seal comprising a shaft, a sleeve embracing but not fitting against said shaft, said sleeve comprising a plurality of entry ports for introducing liquid into engagement with the surface of the shaft, said shaft and each of said ports providing a tapering space into which the friction of the shaft with the liquid drags the liquid in the direction of rotation of the shaft into wedging engagement between a part of the sleeve and the shaft.

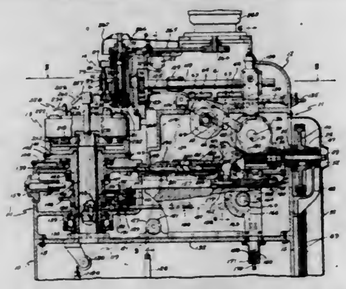
2,353,479
HOIST
Frank Lock, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application September 6, 1941, Serial No. 409,770
1 Claim. (Cl. 254—167)

In a suspended hoist of the class described, a frame, a winding drum mounted on said frame for winding and unwinding a wire load handling rope, a wire load handling rope wound on said drum and having its end untwisted and held in tapered form by the addition of molten metal cast about the threads of said end, a sleeve complementing the tapered form of said rope end, a pair of castings adapted to be bolted together to form a load block, said load block castings forming a cylindrical opening internal of said load block in communication with a relatively small bore leading to the outside of the assembled load block, said sleeve and rope end being housed in said cylindrical opening with said rope extending through said small bore, a housing member on said frame whereby to secure the end of said rope to the body of said hoist, said housing member



having a slot for the sidewise entry of said wire rope therein, and a shouldered internal bore communicating with said slot into which said sleeve and rope end may be moved downwardly against the shoulder of said internal bore to be retained therein.

2,353,480
MILLING MACHINE
Newman M. Marsilius, Bridgeport, Conn.
Application August 28, 1941, Serial No. 408,580
26 Claims. (Cl. 90—15.1)

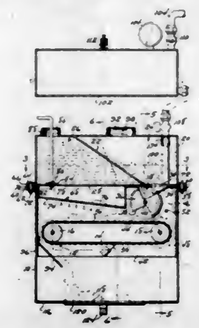


1. In a machine, a turret, a plurality of work holders on said turret, a normally retracted ejector associated with each work holder, a work clamp associated with each work holder and normally in clamping relation therewith, means mounting said work clamps in fixed radial relation to said work holders but for limited reciprocating movement relative thereto, said means including a flat on each clamp and a block fixed on said turret and bearing aganst said flat, means for imparting turning movement to the turret, and stationary cam means operable to move said work clamps to released positions and move said ejectors to projected positions to move the work from the respective work holders in a predetermined position of the turret.

2,353,481
FUEL PRODUCING MACHINE
Clarence J. McCormick, Oakland, Calif.
Application August 13, 1942, Serial No. 454,709
2 Claims. (Cl. 48—4)

1. In a gas generating apparatus, a generating chamber, a tank mounted on the chamber hav-

ing a carbide compartment and a water compartment, the said compartments communicating with the top of the chamber through feed passages, an endless conveyor mounted in the chamber below the tank and disposed to carry carbide in a horizontal plane in the chamber, a grooved roller rotatably mounted in the cham-

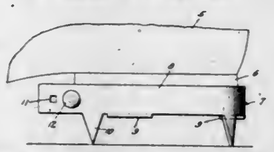


ber in registration with the carbide feed passage and adapted to periodically load measured quantities of carbide at one end of the conveyor, and selectively controlled valve means for dropping water from the water compartment on the carbide as it is carried from the loading to the discharge end of the conveyor.

2,353,482
METHOD OF OBTAINING RUBBER FROM CRYPTOSTEGIA
John McGavack, Leonia, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 1, 1942, Serial No. 456,967
5 Claims. (Cl. 47—10)

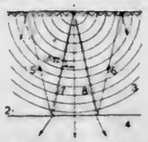
1. Method of obtaining rubber from Cryptostegia which comprises clipping sections of the plant a short distance from the ends, allowing the plant to rest, then clipping back a short distance from the previously clipped ends, and extracting rubber from the clipped sections.

2,353,483
ANTISLIPPING DEVICE
Emilio Medina, Torrington, Conn., assignor of forty percent to Louis Gasparini, Torrington, Conn.
Application March 23, 1943, Serial No. 480,223
1 Claim. (Cl. 36—65)



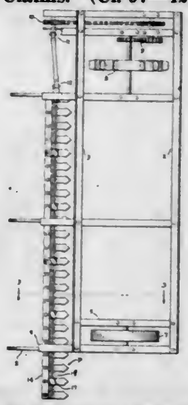
An anti-slipping device for shoe heels comprising a U-shaped flexible member formed from an elongated strip of metal and provided with a series of polygonal openings in each of its end portions, spurs integral with and depending from the lower edge of the U-shaped member, a bolt disposed through a desired aligned pair of the openings and equipped with a nut whereby the device can be clamped against the shoe heel, said bolt having a polygonal shank portion adjacent its head fitting an opening of one end portion to hold the bolt against turning, and integral tongues projecting inwardly from the lower edge of the flexible strip for disposition flatly against the bottom of a shoe heel.

2,353,484
SEISMIC EXPLORATION METHOD
Eugen Merten and John P. Woods, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 5, 1942, Serial No. 425,594
2 Claims. (Cl. 181—0.5)



1. In a method of geophysical exploration wherein seismic waves are translated into electric impulses and recorded, the steps of generating said seismic waves by confining a uniformly distributed explosive charge over a substantially horizontal ground area, the measurement of said area in at least one horizontal direction being at least one-tenth of the vertical distance between said area and the nearest reflecting underground layer, and exploding said charge.

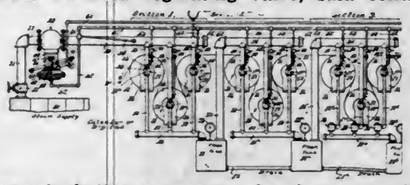
2,353,485
WEEDER ATTACHMENT
Oscar E. Miller, Stratton, Nebr., assignor to Cheney Weeder Company, Cheney, Wash., a corporation of Washington
Application January 21, 1941, Serial No. 375,301
18 Claims. (Cl. 97—42)



1. A weeder attachment comprising a horizontal bar, a series of plow shovels carried by said bar, a weeding rod rotatably mounted lengthwise of said bar and disposed between said bar and said plow shovels.

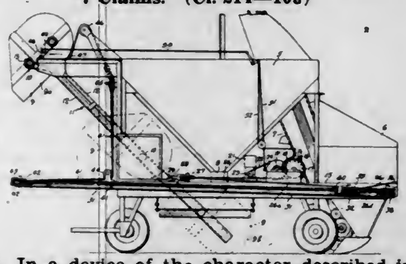
2,353,486
AUTOMATIC CONTROL FOR HEAT TRANSFER SYSTEMS
Samuel P. Miller, Chicago, Ill.
Application September 4, 1941, Serial No. 409,460
12 Claims. (Cl. 237—9)

2. In a heat transfer system having heat transfer units, a primary steam supply line and a secondary steam line receiving steam from the primary line and connected to the units for distributing steam to the latter, with a near end and a far end and a return, a regulating valve interposed between said primary and secondary lines controlling the admission of steam from the former to the latter, pressure actuated control means for said regulating valve, said control



means including a pressure chamber, a member movable therein and exposed to pressure on both sides thereof, a separate control pipe connected to the chamber at opposite sides of the member, one pipe being connected to the near end of the secondary, discharge ends of the units and return and the other pipe being connected to the first pipe adjacent the far end thereof and means for creating a suction in said pipes.

2,353,487
CONCRETE BATCHING PLANT
Edwin Moss, Bridgeport, Conn., assignor to Edwin Moss and Son, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application August 19, 1943, Serial No. 499,245
7 Claims. (Cl. 214—103)

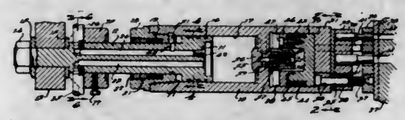


1. In a device of the character described including a hopper adapted for holding solid ingredients for concrete, a controlled discharge means from the hopper, inclined guideways and a bucket movable on said guideways between a lower position to receive material from said discharge means and a dumping position at the upper part of said guideways, means for shifting said bucket between said positions comprising a guide member extending along one side of the hopper, a block slidable on said member and guided thereby, pulleys mounted on the block, stationary pulleys mounted adjacent the guide member, a drum, power means for operating the drum, a cable connected to the drum and running over said pulleys and anchored at its other end so that winding of the cable on the drum will shift the block along the guide member, and cable means connecting the block with the bucket so arranged that shifting of the block will shift the bucket.

2,353,488
HYDRAULIC PUNCH AND STRIPPER
Otto Mueller, Dearborn, Mich.
Application May 24, 1943, Serial No. 488,127
18 Claims. (Cl. 164—95)

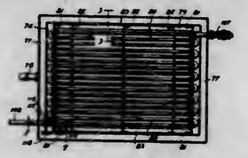
1. A hydraulic device embodying a self-contained unit having a movable work performing

element containing a cylinder portion, a piston within the cylinder portion on which the element is moved, a second cylinder portion on the opposite end of the element, a second piston in said second cylinder portion, resilient means urg-



ing said second piston toward said end of the element, a pressure plate movably supported on the end of the element, and means interconnecting the pressure plate to said second piston for applying a predetermined pressure thereto.

2,353,489
APPARATUS FOR RELEASING THE FIBERS FROM STRAW OR OTHER FIBROUS MATERIAL
Raymond I. Newcomb, Chicago, Ill.
Substituted for abandoned application Serial No. 253,824, January 31, 1939. This application July 6, 1942, Serial No. 449,900
3 Claims. (Cl. 210—8.5)

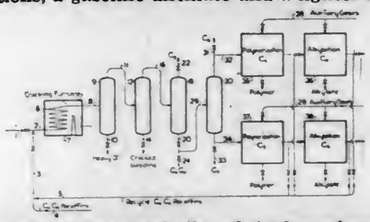


1. Dialyzing equipment comprising: a series of tubes of osmotically permeable flexible material arranged in a plurality of banks; each bank comprising a plurality of horizontal tubes set side by side in the same horizontal plane; a unitary framework including a pair of spaced end plates; each end plate carrying U-shaped tubular connecting members; each connecting member positioned and arranged to establish connection between two adjacent tubes; said tubes being thus interconnected in a single series; said framework including supporting members for engaging each of said tubes at a plurality of points intermediate its ends; a skeleton reinforcing frame inside each tube to keep the tube from collapsing; a stationary tank adapted to receive said framework and tubes; connections for delivering extracting water to said tank; means for delivering charged extracting water from said tank; and connections for passing liquor containing a solute and another ingredient capable of separation by dialysis through said series of tubes; said connections being arranged to cause said liquor and water to move in counterflow relationship, with said water moving substantially vertically around all said tubes.

2,353,490
CRACKING AND REFORMING OF HYDROCARBONS
Jan Noorduyn, Emmastad, Curacao, Netherland West Indies, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 21, 1941, Serial No. 403,331
5 Claims. (Cl. 196—66)

3. In the process of cracking hydrocarbon distillates, the improvement comprising commingling said distillates with a light feed to produce a mixture, said light feed constituting between

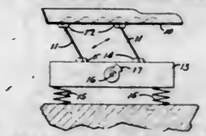
about 10 and 30% of said mixture, consisting essentially of normal butanes and normal pentanes, and produced at least in part in said process, subjecting said mixture to non-catalytic cracking in a cracking zone at a temperature between about 950 and 1100° F. and a pressure between about 500 and 2,000 pounds p. s. i., fractionating the resulting cracked products to obtain at least two fractions, a gasoline distillate and a lighter fraction consisting essentially of hydrocarbons of four and five carbon atoms and containing olefines and isoparaffins, subjecting said lighter fraction to polymerizing conditions in the presence of solid phosphoric acid catalysts and to alkylating conditions in the presence of sulfuric acid to convert the major part of said olefines and isoparaffins to motor fuels, separating said motor fuels from residual gases, and returning at least a part of the latter to said cracking zone.



2,353,491
LUBRICATING OIL COMPOSITION
Edward A. Oberright, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application January 14, 1944, Serial No. 518,260
18 Claims. (Cl. 252—51)

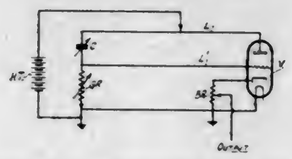
4. An improved lubricant composition comprising a lubricating oil having admixed therewith a minor proportion of a reaction product obtained by first interreacting about one mol equivalent of an aliphatic aldehyde with at least one-half mol equivalent of an aliphatic polyamine in which each amino group has at least one hydrogen atom and with a quantity of an alkyl-substituted hydroxyaromatic compound sufficient that the content of the hydroxyaromatic radical in the reaction mixture is about one mol equivalent, the alkyl substituent in the last-mentioned compound having a sufficient chain length to impart oil-solubility to the final product; and then reacting the condensation product obtained by the foregoing procedure with a compound selected from the group consisting of metal oxides and metal hydroxides, said compound containing an equivalent of metal to replace the hydroxyl hydrogen of the aforesaid condensation product.

2,353,492
VIBRATION PRODUCING MECHANISM
John C. O'Connor, Ann Arbor, Mich.
Application January 16, 1942, Serial No. 427,039
18 Claims. (Cl. 259—1)



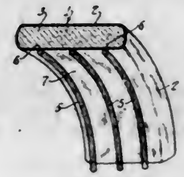
1. In a device of the class described, in combination, a resiliently mounted base member, a vibratory member, resilient means for supporting said vibratory member from said base member, and means for impressing cyclical force of definite frequency upon said base member only, the natural frequency of said resilient means being substantially equal to the frequency of the cyclical force impressed upon said base member.

2,353,493
QUENCHED ELECTRIC OSCILLATION GENERATOR
Thomas Dixon Parkin, Broomfield, near Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application October 28, 1942, Serial No. 463,596
In Great Britain June 13, 1941
6 Claims. (Cl. 250—36)



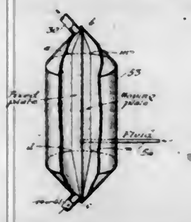
1. A generator of quenched oscillation comprising an electronic valve having a cathode, an anode, and at least one intermediate electrode; a condenser connected across the intermediate electrode-anode space by means of a parallel line circuit, a grid resistor connected across the intermediate electrode-cathode space by means including at least a portion of one conductor of the parallel line circuit; and a source of current directly connected across the series condenser and grid resistor by means of a pair of leads, one of said leads being connected to the anode conductor of said parallel line circuit at a point which is substantially midway between the anode and said condenser, the whole circuit arrangement and the circuit parameters having such adjustments and values that the circuit generates ultra high frequency oscillations and also generates and applies to the intermediate electrode a voltage pulse at a frequency lower than the frequency of said oscillations, said voltage serving periodically to quench the device as an oscillation generator.

2,353,494
INSULATING TAPE
Cleo M. Patten, St. Louis, Mo., and Carleton E. Bryant, Jr., Mount Vernon, N. Y., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application November 4, 1941, Serial No. 417,772
7 Claims. (Cl. 154—44)



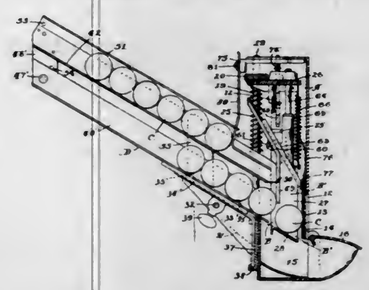
1. A pipe covering comprising an insulating tape adapted to be spirally wound around a cylindrical pipe with one surface adjacent thereto, said tape having parting means frangibly affixed to said surface, said parting means being readily separable from said tape.

2,353,495
CATALYTIC CONVERSION SYSTEM
Donald E. Payne, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 31, 1940, Serial No. 372,538
10 Claims. (Cl. 196—52)



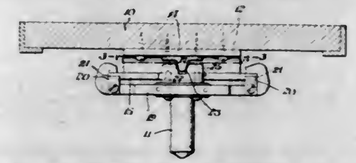
1. The method of maintaining a critical vapor velocity in an up-flow reactor of fixed external dimensions for maintaining powdered solid catalyst in dense phase condition in upflowing gas or vapor, which method comprises varying the effective cross-sectional area of said reactor without changing the external dimensions thereof.

2,353,496
VENDING MACHINE
Charles F. Pease, Pasadena, Calif.
Application December 16, 1940, Serial No. 370,272
7 Claims. (Cl. 312—48)



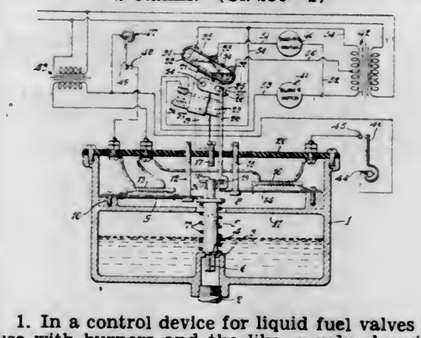
1. A vending machine, comprising, a face member having a delivery mouth in its lower portion and a sight opening therein above said mouth, a gate reciprocable vertically in said face member having a hopper adapted to receive and hold an article to be dispensed in full view through said sight opening when in normal superior position and to register with and release said article into said mouth when lowered, a magazine having superposed inclined chutes for holding inclined series of articles to be dispensed above said hopper, the upper chute being movably supported so that its lower end may swing downwardly upon the lower chute and continue feeding articles from the upper chute into said hopper when the lower chute is empty, means for releasing an article one at a time from said chutes into said hopper when the latter assumes superior position, spring propulsion means for actuating said releasing means and ratchet means connected with and operated by the movement of said propulsion means whereby a single article from the magazine is compelled to be released into said hopper before the return of the releasing means to superior position.

2,353,497
ADJUSTABLE SEAT SUPPORTING DEVICE
Joseph S. Pecker and Henry A. Simpson, Philadelphia, Pa., assignors to Machine and Tool Designing Company, a corporation of Pennsylvania
Application August 27, 1941, Serial No. 408,434
1 Claim. (Cl. 155—115)



In an adjustable seat supporting device, the combination of a seat-member, and a main supporting structure, a substantially U-shaped wide spring having parallel horizontal extensions from an intermediate bend, one extension of said spring being secured to the seat-member, a spline element and a cooperating groove element, one element connected to the seat-member and the other element connected to the main supporting structure, said spline and groove having downwardly converging walls, and said main supporting structure provided with slide-ways receiving the other spring extension and stops on the supporting structure for engaging the second spring extension and limiting the range of adjustment.

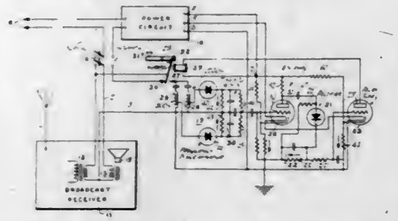
2,353,498
VALVE OPERATED MOTOR CONTROLLING SWITCH
Stanley Perry, Chicago, Ill., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application January 18, 1941, Serial No. 375,081
2 Claims. (Cl. 236—1)



1. In a control device for liquid fuel valves for use with burners and the like, a valve housing, means for delivering fuel thereto, a fuel delivery passage from said housing, a valve therefor, and means for actuating it, a blower motor effective to move air heated by the burner, and a booster motor effective to deliver air to the burner and a power source therefor, including a transformer having a low voltage tap and a high voltage tap, an actuating circuit for the booster motor, including the low voltage tap, and an alternate actuating circuit therefor, including the high voltage tap, and a circuit for the blower motor, including the high voltage tap, and switch means on said valve, including separate switches, one for each motor, and means for closing said switches in response to movement of the valve to increased flow position, one of said switches including contacts adapted to make and break

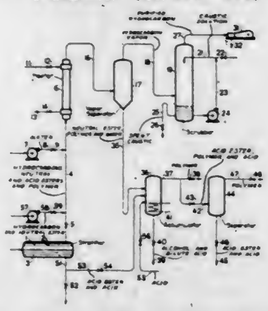
a circuit for said last mentioned motor, the other having a plurality of pairs of contacts adapted successively to make and break the circuits for the first mentioned motor, whereby, in response to a predetermined movement of the valve, the circuit through the low voltage tap is closed, and in response to a different movement of the valve the circuit through the high voltage tap is closed.

2,353,499
RADIO ALARM SYSTEM
Ellison S. Purington, Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 4, 1942, Serial No. 449,727
10 Claims. (Cl. 250—2)



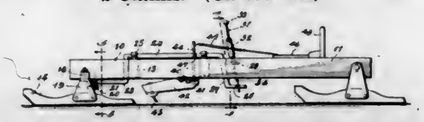
1. A method of producing an audible alarm which includes varying an audible tone between a pair of limiting frequencies at a low frequency, transmitting the variable tone energy to a reproducer, normally preventing reproduction of the energy, deriving from the energy a direct current voltage in response to the presence of said low frequency, and utilizing the direct current voltage to render the reproduction of said audible tone effective.

2,353,500
PROCESS OF SEPARATING AND RECOVERING HYDROCARBONS AND ALKYL ESTERS FROM MIXTURES THEREOF
Frederic M. Pyzel, Piedmond, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 8, 1940, Serial No. 344,344
3 Claims. (Cl. 260—460)



2. In a process for recovering butane and dibutyl sulfate from an acid mixture comprising butane, dibutyl sulfate, butyl acid sulfate and butene polymers wherein a dibutyl sulfate-containing hydrocarbon layer is separated from a butyl acid sulfate-containing layer, the steps of diluting the dibutyl sulfate-containing layer with water in the amount of at least one-half part by weight of water to one part by weight of dibutyl sulfate present, rapidly heating the diluted mixture in a continuous stream to vaporize butane without substantial decomposition of dibutyl sulfate, separating butane vapors from unvaporized products, further heating the unvaporized products in the presence of at least a part of said butyl acid sulfate-containing layer to effect hydrolysis of esters, and separating an aqueous product of ester hydrolysis from remaining hydrocarbons.

2,353,501
VEHICLE STEERING MECHANISM
Matthew J. Redling, Perth Amboy, N. J.
Application October 30, 1943, Serial No. 508,335
2 Claims. (Cl. 280—21)



2. A mounting for a control lever of the character described, comprising a vehicle frame, transverse closely spaced parallel pins thereon, said lever having a thickened intermediate part and a narrow downwardly projected arm engaged between said rods whereby the thickened part may rest upon the rods for oscillation of the lever, lateral abutments slidingly engaged upon said rods at each side of the lever and in supporting relation to said thickened portion, and yielding means for holding said abutments in engagement with the sides of the lever.

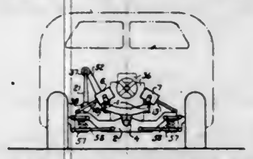
2,353,502
IMPLEMENT HOLDER OR POCKET
Schuyler Reynolds, Columbus, Ohio
Application November 13, 1941, Serial No. 419,006
2 Claims. (Cl. 24—3)



1. A tool or implement holder to be worn by workmen, comprising a straight back portion adapted to be disposed against the body of the wearer, a bottom and sides projecting outwardly from said back, and spring fingers constituting the front wall of the holder extending upwardly and inwardly from the outer edge of the bottom and adapted to yieldably engage and hold tools and implements, between the spring fingers back and/or side portions.

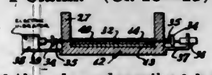
2,353,503
DEVICE FOR AUTOMATICALLY COMPENSATING EFFECT OF CENTRIFUGAL FORCES ON VEHICLES
Helge Fabian Rost, Djursholm, and Knut Julius Lindblom, Tureberg, Sweden
Application February 21, 1940, Serial No. 320,006
In Sweden February 1, 1939
11 Claims. (Cl. 280—112)

1. The combination with a vehicle body, having a front and rear axle system supporting wheels and spring means operatively connecting the axle systems and the body with the supporting wheels, of a central support on each axle system by means of which the body along its longitudinal axis is tiltingly connected to said axle systems, of a number of cylinders and corresponding pistons, movably connecting the sides of said body with at least one of the said axle systems, and of a pendulum with directly combined valve attached to the tiltable body, the valve openings of said valve being adapted to allow a pressure medium, upon actuation of said pendulum by the centrifugal and gravity forces to pass to said cylinders only until the vehicle body has obtained such an inclination with respect to said axle system that the pendulum re-



mains substantially at right angles to the floor of the body at any superelevation, said cylinders with corresponding pistons being located on each side of said central support on at least one of the axle systems, the upper parts of two opposite cylinders being crosswise connected to the lower parts of the said opposite cylinders in order to obtain a tilting of the body towards the center of a curve when passing same and to obtain a shock absorbing action combined with said tilting operation.

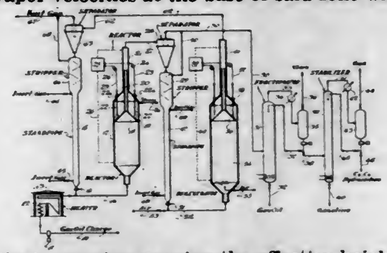
2,353,504
MEANS FOR MAKING FILM SHEETS
David Schachar, Brooklyn, N. Y., assignor of one-half to Nathan Gromer, Brooklyn, N. Y.
Application February 19, 1942, Serial No. 431,499
1 Claim. (Cl. 18—15)



A device of the class described having an endless belt upon which a film sheet is adapted to be formed, a U-shaped bracket through which said belt and film sheet is adapted to pass, a wire extended between the side arms of said U-shaped bracket at an elevation to engage between the adjacent faces of said belt and film sheet, said wire having its ends projected freely through openings formed in the side walls of said U-shaped bracket, resilient means for maintaining said wire taut and for urging said wire into a neutral position between the side walls of said U-shaped bracket, a vibrator connected with one end of said wire for vibrating said wire to more efficiently strip said film sheet from said belt, said resilient means comprising collars fixedly mounted on the projected end portions of said wire and spaced from the outside faces of the side walls of said U-shaped bracket and springs coaxially engaged upon the end portions of said wire and operating between the adjacent faces of the side walls of said U-shaped bracket and said collars, and a hopper containing the material for forming said film sheet supported at one end of said belt, said hopper being provided with control means to regulate the flow of material on said belt.

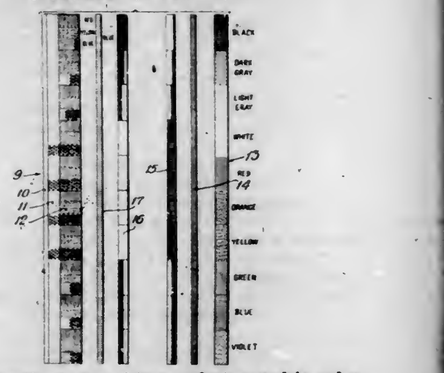
2,353,505
CATALYTIC CONVERSION SYSTEM
Fred W. Scheineman, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 31, 1940, Serial No. 372,541
11 Claims. (Cl. 196—52)

1. In a catalytic conversion system of the dense-phase powdered catalyst type the method of controlling the amount of catalyst in a reaction zone in a reaction of fixed overall dimensions without disturbing superficial vertical gas or vapor velocities at the base of said zone which



method comprises varying the effective height of said reaction zone by varying the level at which catalyst is removed from said zone without changing the overall dimensions of the reactor.

2,353,506
COLOR PHOTOGRAPHY
Charles Schettler and Erich F. T. Schenk, Miami, Fla.
Original application January 22, 1940, Serial No. 314,995. Divided and this application September 1, 1942, Serial No. 456,860
9 Claims. (Cl. 95—2)

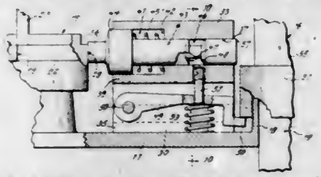


1. The method of making a photographic color print to be viewed by reflected light which includes the successive steps of exposing a sensitive film provided with a sensitive inner layer of a silver salt emulsion and a sensitive outer layer composed of a transparent additive color-screen filter silver salt emulsion, through said color-screen filter to a series of color separation photographic images with light of different colors, developing and fixing said film, and converting the metallic silver image to a substantially white image.

2,353,507
COMBINATION INTERLOCKING DEVICE
James V. Schraig, Central Valley, N. Y.
Application June 3, 1943, Serial No. 489,430
9 Claims. (Cl. 200—50)

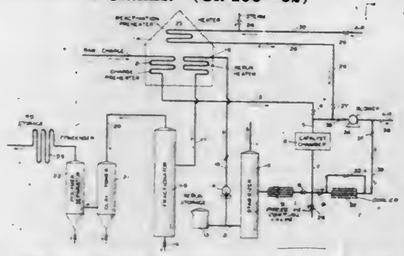
1. In combination, a support having a plug receptacle therein, an electrical switch mounted on said support and spaced from said receptacle, a plug insertible into said receptacle and having a ring mounted on the body thereof, a housing mounted between said switch and receptacle and having a bolt slidably mounted therein with its axis extending substantially in the direction of

a line joining the axes of said switch and said receptacle, said bolt being of greater length than said housing, said switch including a rotatable member substantially parallel with said support, resilient means normally urging said bolt into contact with the peripheral edge of said member, said member having cam-like surfaces formed on said peripheral edge and having radial notches separating said surfaces from each other, the radial depth of said notches being alternately greater and lesser serially around said peripheral edge, one end of said bolt normally registering in one of said notches, the other end of said bolt extending farther out of said housing when said



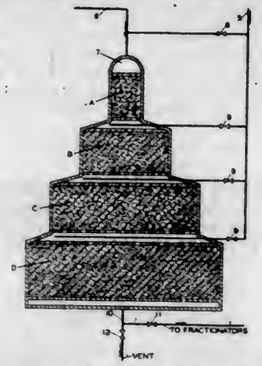
first end registers in one of said shallower notches than when said bolt registers in one of said deeper notches, said other end of said bolt when said bolt registers in one of said deeper notches lying outside the geometrical projection of the periphery of said receptacle and projecting into said geometrical projection and overlapping said ring when said bolt registers in one of said shallower notches, said plug in the latter condition of said bolt being restrained from withdrawal from said receptacle, said switch and bolt being synchronized so that said switch is in the "on" position when said bolt registers in one of said shallower notches and in the "off" position when said bolt registers in one of said deeper notches.

2,353,508
PROCESS FOR REACTIVATION OF CATALYSTS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 26, 1942, Serial No. 428,287
8 Claims. (Cl. 196—52)



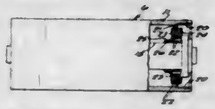
5. The method of reactivating solid adsorbent contact catalysts of reduced activity due to combustible carbonaceous deposits accumulated during the catalytic conversion of hydrocarbons, which comprises purging hydrocarbons from the catalyst bed by means of steam superheated to temperatures of at least 800° F. in an auxiliary heating coil of relatively small capacity compared to the main reactivating gas stream, introducing sufficient air to said coil with said steam after substantially complete removal of hydrocarbons to ignite the combustible deposits, stopping the flow of gases through said auxiliary heating coil subsequent to the ignition, and recirculating combustion gases in greatly increased volume at temperatures in the range of 800 to 900° F. through the catalyst bed while adding sufficient air to support combustion and controlling combustion temperatures below those causing catalyst deterioration, continuously bleeding off excess gases, utilizing air preheated in said auxiliary heating coil again during the final stages of combustion to maintain the catalyst bed temperature above about 900° F., and finally purging oxygen-containing gas from the reactivated catalyst by means of steam supplied as in the initial purging operation.

2,353,509
PROCESS FOR HYDROCARBON CONVERSION
Walter A. Schulze and Carl J. Helmers, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application February 6, 1942, Serial No. 429,813
12 Claims. (Cl. 196—52)



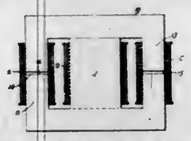
11. A process for the endothermic conversion of hydrocarbons over contact catalyst masses which comprises heating a hydrocarbon charge to substantially conversion temperature, passing the hydrocarbons in vapor form through a plurality of successive increments of catalyst, each successive increment in the direction of flow having an increased volume and adding a heating gas between said increments to maintain said hydrocarbon charge at conversion temperature.

2,353,510
IDLER ROLLER FOR BELT CONVEYERS
Amos Searles, Moscow, Pa., and Charles A. Swartz, Yonkers, N. Y.
Application June 30, 1942, Serial No. 449,110
6 Claims. (Cl. 74—230.1)



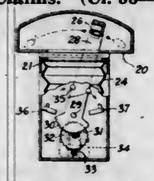
1. A roller adapted for the resilient support of a conveyer belt comprising an outer shell of rigid material, a central structure for supporting said shell for rotation about its axis, a cushioning ring of resilient material arranged near each end of said shell around said structure and having the outer periphery of its intermediate section spaced radially inwardly from the inner periphery of said shell, a rigid member engaging said central supporting structure near each end of said shell and rigid with an end portion of the adjacent ring for supporting said latter ring on said central supporting structure, and a second rigid member engaging said shell near each end thereof and rigid with the other end portion of the latter ring to transmit in shear to said latter ring the transverse movement of said shell relative to said central supporting structure.

2,353,511
ELECTRIC APPARATUS
Thomas T. Short, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application February 10, 1943, Serial No. 475,419
3 Claims. (Cl. 175—356)



1. An electric apparatus including a core member having three winding legs, a primary winding adapted to be connected to an alternating current source of supply around a first leg and a pair of secondary windings around the second and third legs respectively, said secondary windings being adapted to be connected in series opposition across a load, and means in one of the secondary winding legs for conducting substantially all the flux emanating from the center leg through said one leg during a relatively short portion of the cycle when the flux wave is approaching a relatively low value so as to provide a peak voltage induced in said coil during that time.

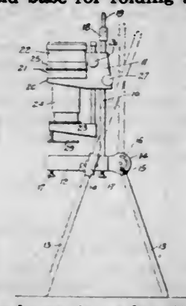
2,353,512
PHOTOGRAPHIC ENLARGER
Alfred Simmon, Jackson Heights, N. Y.
Application May 5, 1943, Serial No. 485,686
4 Claims. (Cl. 88—24)



1. In a photographic enlarger, a support, a carriage movable upon said support, a housing fastened to said carriage, a negative, a negative holder supported by said carriage having an aperture, a lens supported by said carriage, a lamp within said housing, and means to oscillate the lamp during exposure relative to the negative, the extreme positions of said lamp being within the housing and beyond said aperture, whereby light through said aperture is prevented from reaching the lens.

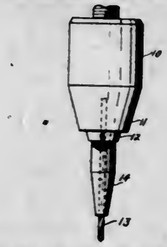
2,353,513
PORTABLE PHOTOGRAPHIC ENLARGER
Alfred Simmon, Jackson Heights, N. Y.
Application December 21, 1943, Serial No. 515,098
15 Claims. (Cl. 88—24)

1. A portable photographic enlarger comprising a projector carriage assembly, a sub-base having an open center, a support above said sub-base for said assembly, said assembly being adjustable upon said support with respect to said base, and a plurality of legs below and supporting said sub-base, said legs being adjustably fastened to said base and adapted to be swung upwardly and above said base for folding and storing and



whereby the enlarger is made suitable for making relatively small enlargements by placing said base upon a table or the like directly over sensitized material and adjusting the position of the carriage assembly with respect to the base.

2,353,514
PROTECTIVE DEVICE FOR DRILLS
Jay P. Slater, Lakewood, N. Y.
Application May 5, 1943, Serial No. 485,733
7 Claims. (Cl. 77—55)



1. An enclosure for the free length portion of a drill comprising a casing, a resilient member mounted in and being coextensive with said casing, said member having an opening extending lengthwise therethrough and adapted to receive and engage a considerable portion of the free length of said drill, one end of said casing being adapted to abut a holder for said drill.

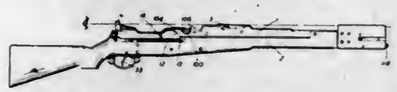
2,353,515
VELOCIPEDE
William I. Smith, Goshen, Ind., assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application December 26, 1941, Serial No. 424,465
5 Claims. (Cl. 280—282)



1. In a velocipede, a front fork, a wheel carrying axle on the front fork, pedal carrying cranks fixed to said axle, a backbone inclining downwardly and rearwardly from said fork, a wheel carrying rear axle secured to the rearward end

portion of said backbone, said rearward end portion being substantially in alignment with said wheel carrying axles, an upright seat post secured at one end to said backbone at a point spaced forwardly from said rear axle and forming substantially a right angle with a horizontal line intersecting said axles, the lower end of said post being substantially in horizontal alignment with said axles, a step plate mounted upon said rear axle, and means providing a hand hold for a child on said step plate, said last means comprising a member fixed to said post and extending rearwardly therefrom.

2,353,516
DEVICE FOR USE IN MUSKETRY AND LIKE TRAINING
Stanislaw Sochaczewski, London, England, assignor of one-half to Isabel Dorothy Smeaton, London, England
Application September 28, 1942, Serial No. 459,950
In Great Britain October 16, 1941
17 Claims. (Cl. 273—101.2)



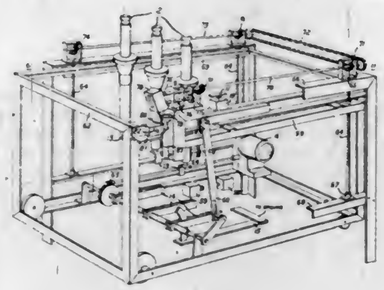
1. In a device for use in musketry and like training comprising a dummy gun, a trigger, a main spring operatively disposed in said dummy gun and means for cocking the gun to energise the main spring, trigger-controlled mechanism for releasing the energy of the main spring in successive stages, a target recording device housed in said gun and normally disposed below the line of sight, means for operating the target recording device with each partial release of the energy of the main spring, whereby said target recording device is projected from the gun, means operating on said target recording device during its projection to raise it into the line of sight, and means for immediately returning said target recording device into its initial position inside the gun below the line of sight.

2,353,517
BRUSH COVER
Abraham N. Spánel, New York, N. Y., and William F. Dester, Dover, Del.; said Dester assignor to said Spánel
Application May 20, 1940, Serial No. 336,158
5 Claims. (Cl. 206—15.1)



1. A brush cover comprising a seamless deposited rubber sheath having an opening of a size approximating the cross section of the portion of a brush handle to be received therein, said sheath having an elongated opening in a wall thereof spaced from said first-mentioned opening, at least a portion of the margin at one of said openings being strengthened by a reinforcement integral with said sheath.

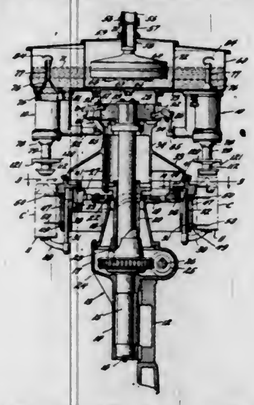
2,353,518
ELECTRICAL APPARATUS
Woldemar Specht, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application October 2, 1940, Serial No. 359,398
4 Claims. (Cl. 175—183)



1. In electric switchgear of the type including a stationary structure upon which bus circuits and feeder circuits each with separate contacts are mounted and a circuit breaker of the vertical lift type bodily removable with respect to said stationary structure, means for effecting the grounding of said circuits associated with said stationary structure when said circuit breaker has been withdrawn therefrom comprising a grounding unit arranged to be lifted vertically and inserted in place of the withdrawn circuit breaker, said grounding unit having contacts for engagement with said contacts associated with either one of said circuits, a motor-operated grounding switch included in said grounding unit, means for preventing the engagement of the contacts of said grounding unit and the contacts associated with one of said circuits when said grounding switch is in the closed position, means for preventing the disengagement of said contacts when said grounding switch is in the closed position, and means for preventing the operation of said motor-operated grounding switch when said one circuit is energized.

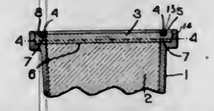
2,353,519
MECHANISM FOR CHARGING CONTAINERS
Robert Spurr, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application February 15, 1941, Serial No. 379,136
19 Claims. (Cl. 226—96)

1. Container charging mechanism including vertically disposed coaxial inner and outer shafts, the inner shaft being stationary and the outer shaft being supported for revolution about the common axis of said shafts, a liquid supply tank, a liquid measuring device, and a liquid discharge control valve carried by the outer shaft, and actuating means for said device carried in part by the outer shaft and in part by the inner shaft,



said means functioning whenever the outer shaft revolves and independently of the liquid discharge control valve.

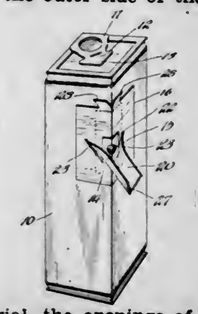
2,353,520
JELLY GLASS
John W. Stanley, Needham, Mass.
Application March 7, 1942, Serial No. 433,742
3 Claims. (Cl. 215—80)



3. A jelly glass having an open top and a progressively decreasing inside diameter from the top to the bottom, said glass having at its top an exterior rib which forms a thickened wall portion, the upper face of said rib being flush with the top edge of the glass and the outer face of the rib presenting a continuous and unbroken surface, said glass having anchor-forming openings which are located in said thickened wall portion and which break through the inner face of such thickened wall portion at a point above the bottom of the rib and above the normal jelly level of the jelly-filled glass, but which terminate at their outer ends inside of the outer face of said rib, the outer ends of said openings being opened to the atmosphere through the upper edge of said rib, whereby when the glass is filled with jelly to its normal jelly level and a sealing layer of paraffin is poured on top of the jelly, the paraffin will flow into the openings and thereby form anchoring projections which anchor the sealing layer to the glass.

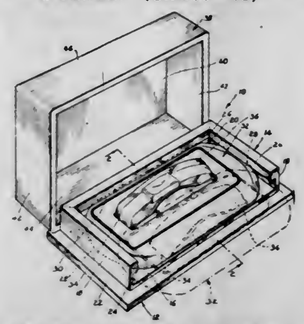
2,353,521
MILK BOTTLE CREAM DISPENSER
Eugene C. Steffens, Oak Park, Ill.
Application February 10, 1941, Serial No. 378,147
2 Claims. (Cl. 222—530)

1. An angular receptacle and a corner pouring spout therefor comprising a first sheet material adhesively attached over one corner of the receptacle and having a pouring aperture therein to register with an opening in the corner of the receptacle, said first sheet having slots inclined toward each other at the bottom and located at opposite sides of the opening, and a foldable spout member comprising a rectangular second sheet material with a pouring opening near one end and slits extending inwardly from the end at opposite sides of the opening to form outer tongues and a fold line at the inner ends of the slit, the portion defined by the fold line and the slits being adhesively attached over the corner of the receptacle to the outer side of the first attached



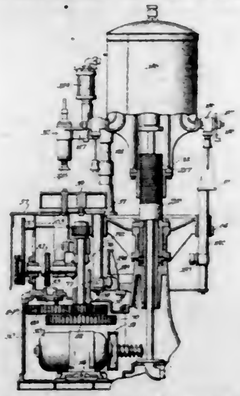
sheet material, the openings of the two sheets registering with each other, the said tongues of the second sheet being inserted in the slots of the first sheet, and the remainder of the second sheet being foldable upwardly against and over the corner opening to close it while maintaining the extremities of the tongues in the slots, and the tongues moving upwardly in the slots to spread the upper portion of the pouring member in moving it downwardly to pouring position.

2,353,522
CONTAINER
Edward L. Stern, New York, N. Y.
Application May 20, 1942, Serial No. 443,793
4 Claims. (Cl. 206—75)



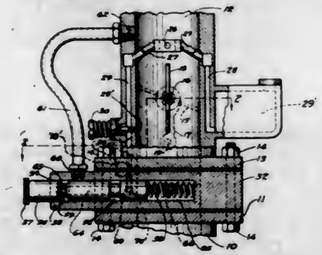
1. A packaging and display container comprising a receptacle having a bottom, side walls, and a rear wall upstanding from said bottom, said side walls having recesses therein, and a tray removably fitting in said receptacle and engaging said side walls in said recesses, respectively, thereof, the front of said receptacle being open and said recesses having open ends at said front of the receptacle, said tray being insertable in and removable from said receptacle and said recesses through said open front of the receptacle, and a cover for closing the top and front of said receptacle said cover having a top wall for covering the top of the receptacle and a front wall fixed to said top wall at the front thereof and extending downwardly therefrom to said bottom wall of the receptacle, when the cover is in closed position, for closing the front of the receptacle and the front ends of said recesses.

2,353,523
FILLING MACHINE
Robert J. Stewart and Harry J. Rever, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application December 17, 1936, Serial No. 116,426. Divided and this application May 6, 1940, Serial No. 333,700
14 Claims. (Cl. 226—75)



1. The combination in a filling machine, of means to define a path of travel for containers, means to stop movement of containers with their axes at a predetermined point in said path of travel, said last-named means being movable obliquely to the path of travel of the container to vary the width of said path of travel and arranged to maintain the axes of the containers of different sizes always in alignment with said predetermined point, and means having operative driving connection with said last named means throughout the adjustable movement of the latter.

2,353,524
FUEL SAVER FOR INTERNAL-COMBUSTION ENGINES
Vivien L. Stone, Omaha, Nebr.
Application March 5, 1941, Serial No. 381,777
10 Claims. (Cl. 192—.01)



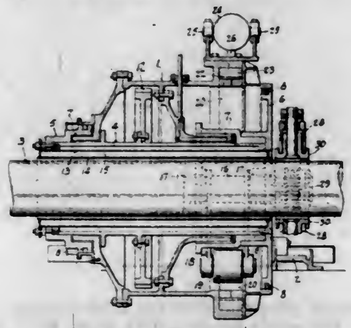
8. The combination with an automobile engine having a clutch mechanism operatively associated therewith and having an operating lever resiliently urged to its clutching position, said engine being provided with a carburetor having a throttle valve, a control rod for said throttle valve, an idler and a high speed jet for delivering gasoline to said carburetor; of a conduit for admitting air to said carburetor posterior to the throttle valve when the throttle valve is closed, a valve for said conduit disposed to close the conduit when the throttle valve is open, a valve control lever engaging said conduit valve, resilient means operatively connected to said throttle valve control rod and urging the conduit valve control lever to its inoperative position both when the throttle valve is in its inoperative position and when the throttle valve is in its open position, and resilient means operatively connecting the valve control lever to the clutch lever and normally urging the valve control lever to its operative position in opposition to said first resilient means, said last named resilient means being rendered inoperative to overcome said first resilient means when the clutch operating lever is moved to its de-clutching position.

2,353,525
ELASTIC FABRIC
Merwyn C. Teague, Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Original application July 28, 1938, Serial No. 221,811. Divided and this application February 21, 1941, Serial No. 379,986
3 Claims. (Cl. 154—48)



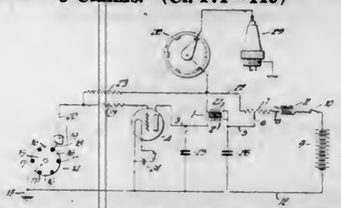
1. An elastic fabric comprising a lamina of textile fabric and a lamina of rubber consisting of a grainless rubber deposit derived from an aqueous dispersion of rubber intimately bonded to the surface of said textile fabric in which the bond comprises vulcanized rubber, said textile fabric having yarns which are buckled in at least one direction and retained in such buckled condition by the contractive force of the rubber when unstretched.

2,353,526
STOCK-FEEDING MECHANISM FOR SWAGING MACHINES
Julius B. Tiedemann, Milwaukee, and Bertil G. Winstrom, Granville, Wis., assignors to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 19, 1941, Serial No. 398,796
9 Claims. (Cl. 80—14)



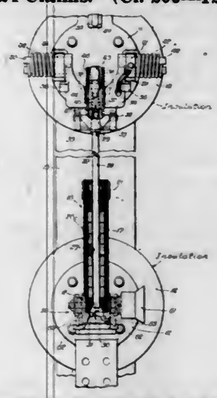
8. A device of the class described comprising constantly rotating mechanism with an axial opening therethrough for the passage of stock to be fed, a shield of heat insulating material within the opening, means for imparting an axial reciprocating movement to the mechanism, and means on said rotating mechanism for intermittently gripping the stock to effect its rotation and forward feed.

2,353,527
IGNITION SYSTEM
Enrique G. Touceda, Londonville, and Donald A. Wilbur, Troy, N. Y., assignors to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application January 2, 1941, Serial No. 372,766
3 Claims. (Cl. 171—119)



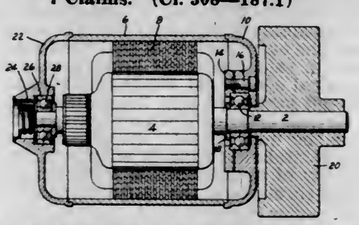
1. In an ignition system of the character described, an electrical circuit including a source of electrical energy, means for transforming said energy to energy of comparatively higher voltage including a primary coil, a thyratron tube for controlling the flow of energy to said energy-transforming means, and capacitance, said primary coil and capacitance being connected in an oscillatory circuit and connected with the plate of said thyratron tube, and the grid of said tube being electrically connected with a source of electrical potential, and means for varying the potential of said grid whereby to control the flow of electrical energy to said energy-transforming means.

2,353,528
CIRCUIT INTERRUPTING APPARATUS
Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer-Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application May 28, 1942, Serial No. 444,854
24 Claims. (Cl. 200—120)



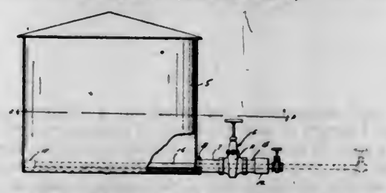
10. In circuit interrupting apparatus, in combination a body of arc extinguishing material having a bore, a pair of relatively movable terminal members between which an arc is adapted to be formed, one of said terminal members being located adjacent one end of said bore and the other being tubular in character and movable through said bore, said tubular terminal member having an opening extending longitudinally therethrough, a reservoir for holding material which when released is in the form of an arc extinguishing fluid, means mounting said reservoir endwise in alignment with said tubular terminal member for movement therewith and permitting slight relative movement therebetween, a rupturable diaphragm sealing the end of said reservoir that is adjacent said tubular terminal member, spring means biasing said reservoir away from said tubular terminal member, a normally sealed flexible bellows providing a hermetically sealed connection between said reservoir and said tubular terminal member, a needle carried by and movable with said tubular terminal member and directed toward said diaphragm, and stop means for arresting movement of said reservoir when said tubular terminal member is moved to a predetermined position whereupon said flexible bellows is collapsed, the biasing force of said spring means is overcome and said needle ruptures said diaphragm to release said arc extinguishing fluid to flow through said opening in said tubular terminal member and into the arc space for assisting in extinguishing an arc that may exist between said terminal members and for scavenging the walls of said bore.

2,353,529
BEARING MOUNTING
Richard H. Valentine, Grosse Pointe Farms, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 12, 1943, Serial No. 475,627
7 Claims. (Cl. 308—187.1)



1. In a device for preventing injury to an antifriction bearing, a housing having an opening therein, a shaft extending into the opening, an antifriction bearing seated in the opening and supporting the shaft and the housing for relative rotation, an elastic barrier closing the opening, and the barrier having a movable portion normally clearing the end of the shaft but close to it for engagement by an abutment member adapted to force the movable portion temporarily against the shaft to back up the shaft against an endwise pressure.

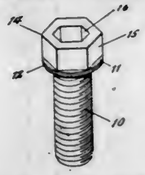
2,353,530
TANK CLEANING DEVICE
William Earl Walker, Freer, Tex., assignor of one-half to John B. Rackley, Freer, Tex.
Application June 5, 1942, Serial No. 445,948
1 Claim. (Cl. 210—206)



A clean-out device for a liquid containing tank having a bottom side outlet, said device comprising a tube adapted to be fixed at one end to said tank to extend from said outlet, a gate valve on the other end of said tube having a

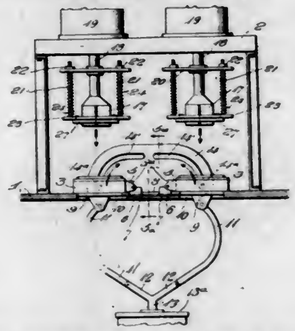
gate movable into tube opening and closing positions and provided with a tube opening aperture aligned with the tube when said gate is in tube opening position, a removable packing gland on said valve aligned with said tube, and a clean-out pipe extended through said gland and aperture and adapted to be extended into said tank through said outlet, said pipe being slidable in said gland to retract the same out of said aperture and thereby permit movement of said gate to tube closing position.

2,353,531
CAP SCREW
David B. Whitney, Waterbury, Conn.
Application May 3, 1943, Serial No. 485,465
4 Claims. (Cl. 85—45)



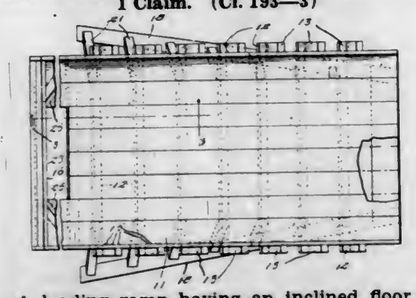
1. In a cap screw, a cylindrical threaded shank, an enlarged hexagonal head integral with said shank, said head having a hexagonal interior socket extending downwardly from the upper face thereof, the outer surface of said head being also hexagonal, said cap screw being provided with an enlarged cylindrical flange intermediate said shank and said head, said flange being provided with vertical exterior ribs and horizontal radial ribs on the undersurface thereof, said vertical and horizontal ribs being in alignment, whereby a plurality of angular self-cleaning grooves are provided throughout the circumference of said flange.

2,353,532
APPARATUS FOR MAKING GLASS BUILDING BLOCKS
Josiah H. Williams, Baltimore, Md.
Application December 20, 1937, Serial No. 180,875
9 Claims. (Cl. 49—5)



1. An apparatus for making a hollow glass block formed of sections joined together comprising a pair of molds having forming cavities therein for the reception of glass charges from which the article sections are to be pressed, said molds being normally arranged horizontally side by side in spaced relation to each other with the mouths of the mold cavities opening through their normally upper sides for the reception of the glass charges and the pressing of the same therein, normally spaced sliding mold supporting members slidable toward and from each other, means pivotally connecting adjacent sides of the molds to the sliding supporting members, whereby the molds may be swung from their normal horizontal positions to vertical positions resting on the members for sliding movements therewith, and operating means for swinging the molds and sliding the molds and supporting members.

2,353,533
LOADING RAMP
Meek E. Wood, Filbert, S. C.
Application February 26, 1942, Serial No. 432,537
1 Claim. (Cl. 193—3)



A loading ramp having an inclined floor for upward movement thereover by a bulldozer, side walls rising from the floor, sills, said sills at their forward ends extending beneath the floor and at their rear ends extending outwardly of the floor, transverse braces disposed against the under surfaces of said floor, a series of inclined braces on each side of the structure, angularity of said braces increasing from front to rear toward a position at right angles to the horizontal, and the same braces also decreasing in angularity relative to the horizontal plane, said braces being connected to said sills and having notches engaging said beams, and said floor adjacent the upper end and beyond the braces having a discharge opening therethrough.

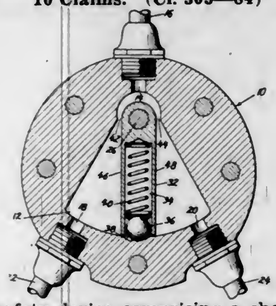
2,353,534
OIL WELL DRILLING UNIT
Lloyd Yost, Los Angeles, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application May 1, 1941, Serial No. 391,333
1 Claim. (Cl. 255—4)



In an oil well drilling unit, a drill, a turbine for driving said drill and having a cylindrical

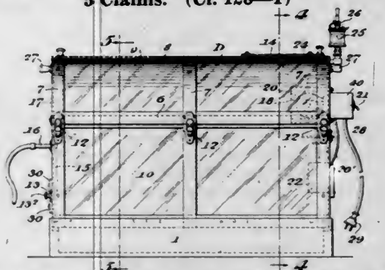
housing with spaced stator guides therein, a shaft disposed axially of the housing with spaced rotor runners thereon intermediate said stator guides, a bearing casing removably secured to the lower end of said housing, an upward and a downward thrust bearing in said casing, a bearing shaft disposed axially of said casing and removably secured to the lower end of said turbine shaft with said end constituting an abutment for said downward thrust bearing, said bearing shaft having a shoulder at its lower end constituting said abutment for an upward thrust bearing and being secured to said drill, a permanently fixed abutment extending radially inwardly from said bearing casing centrally thereof and intermediate said thrust bearings to receive the thrust therefrom, and a radial bearing in said casing for said bearing shaft, said bearing shaft being removable downwardly through said casing and said bearings being removable through the respective ends of said casing.

2,353,535
SAFETY DEVICE
Henry S. Young, Jr., Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application October 23, 1941, Serial No. 416,257
10 Claims. (Cl. 303—84)



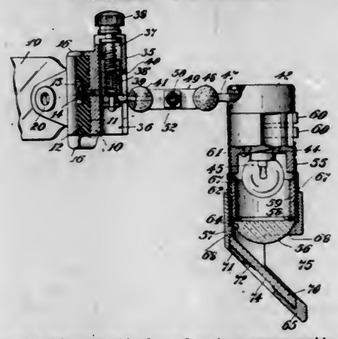
1. A safety device comprising a chamber having an inlet port and a pair of outlet ports, a vane pivoted in the chamber, a detent in the wall of the device medially of the outlet ports, and means in the tip of the vane cooperating with the detent to normally position the vane centrally of the outlet ports.

2,353,536
HOSPITAL INCUBATOR
Paul D. Abbott, Roslindale, and Mary W. Graney, Jamaica Plain, Mass., assignors to John Chapin, Horace S. Frazer, and John MacGregor, as co-trustees
Application November 1, 1941, Serial No. 417,524
5 Claims. (Cl. 128—1)



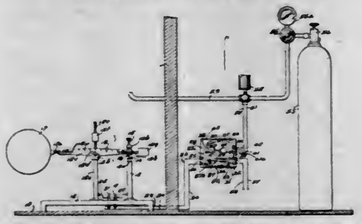
1. A baby incubator comprising a base, a wall on said base to define a shallow box-like compartment substantially of a size to receive an infant's bed, said wall including an internally disposed shoulder, and a shell to fit within said wall to be supported by said shoulder to seal the interior of the incubator against the ingress of air, said shell comprising a frame including end walls and a plurality of end wall connecting members, the bottom edge of said shell being defined by two of said members and the bottom edge of said end walls, and a transparent wall carried by said end walls and said frame to complete said shell.

2,353,537
DIAGNOSTIC HEADSET
Walter A. Arnesen, New York, N. Y., assignor to National Electric Instrument Co. Inc., Long Island City, N. Y., a corporation of New York
Application September 14, 1940, Serial No. 356,755
7 Claims. (Cl. 128—23)



1. In a diagnostic head set, a supporting member to engage the head of a wearer, an electric light bulb socket housing, a double-ball connection between said supporting member and said socket housing, a condensing lens cap surrounding a bulb in said socket housing and adjustably fitting over and resiliently engaging said socket housing, said lens cap being rotatable and movable longitudinally relative to said housing, and a removable sleeve fitting over the end of said lens cap with the wall of the sleeve resiliently engaging the wall of the lens cap, said sleeve having a light reflecting member at the outer end thereof, said sleeve being rotatable and movable longitudinally relative to said lens cap with the light bending member maintained in angular disposition across the axis of the housing, lens cap, and sleeve.

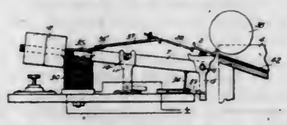
2,353,538
APPARATUS FOR CONTROLLING GASEOUS ATMOSPHERE
Hervey H. Barber, St. Paul, Minn.
Application April 23, 1940, Serial No. 331,261
3 Claims. (Cl. 99—271)



1. A control apparatus for causing a gas to be fed into a chamber containing a second gas hav-

ing physical properties different from the physical properties of said first mentioned gas and for establishing and maintaining a gaseous content in said chamber consisting of said gases and including a predetermined quantity of said first mentioned gas, comprising a mechanism capable of operation to cause the flow of said first mentioned gas from a source of supply into said chamber until said chamber contains said predetermined quantity of said first mentioned gas, an electrical instrument including a moving member adapted to be actuated to a plurality of different positions in response to alteration of the physical properties of said gaseous content in said chamber as caused by the presence of different quantities of said first mentioned gas, including a position for said moving member corresponding to a gaseous content in said chamber containing said predetermined quantity of said first mentioned gas, an abutment member adjacent which said moving member travels, an adjustable member adjacent and at the opposite side of the path of said moving member, means including a pair of electrical contacts for moving said adjustable member against said moving member to press the same against said abutment member, said contacts being relatively moved by the action of said means whereby when said moving member is in said position and in the path of said adjustable member said contacts will control said mechanism to shut off the supply of said first mentioned gas.

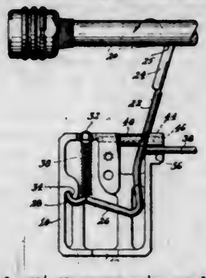
2,353,539
ARTICLE GRADING DEVICE
Stewart Howard Beach, Iroquois, Ontario, Canada
Application May 22, 1943, Serial No. 488,037
In Canada May 11, 1943
2 Claims. (Cl. 209—121)



2. In an article grading device, a balance arm having a weight at one end and a member pivotally supported on the other end, an article receiving platform pivotally mounted on said member, means normally restraining said platform from pivotal movement when an article is placed thereon, means for overcomiling said restraining means to tilt said platform about its pivot and discharge an article therefrom, electrical means for actuating said last-mentioned means, a circuit for energizing said electrical means, and means responsive to movement of said balance arm for closing and opening said circuit.

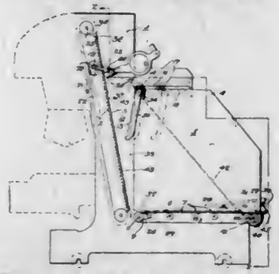
2,353,540
LOOM FEELER MECHANISM
Arthur E. Benson, South Attleboro, Mass.
Application September 20, 1943, Serial No. 503,139
3 Claims. (Cl. 139—281)

1. A feeler mechanism for looms, comprising a casing, a feeler element resiliently mounted in the casing and including a stiff rod portion projecting out through a wall of the casing and resiliently movable in directions into and out of the casing and tiltable in a sidewise direction, there being an opening in the wall of the casing through which the said rod portion of the feeler element projects, and a roller mounted in said opening under and transversely of the said stiff rod with its periphery in position supporting said rod out of contact with all under parts of the casing in the region of said wall, the roller constituting a roller bearing for the feeler rod dur-



ing its in and out movements and constituting a substantially stationary longitudinal guiding and bearing surface for the rod during sidewise tilting of the feeler element.

2,353,541
COMPENSATOR FOR AUTOMATIC FEEDS
William F. Bokum, Jenkintown, and John W. Weber, Philadelphia, Pa., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application January 21, 1942, Serial No. 427,668
16 Claims. (Cl. 19—69)

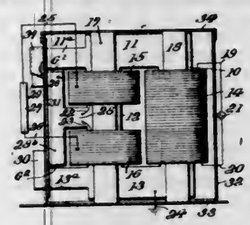


1. A fibrous stock feeder, comprising a hopper, a vertically-movable wall adapted to travel upwardly in a single plane solely for removing stock from said hopper, a wall movable laterally toward and from said stock-removing wall in the upper portion of said hopper to press stock against said stock-removing wall, variably movable means in the lower portion of said hopper adjacent said vertically movable stock removing wall for advancing stock toward and into contact with said stock-removing wall, and means controlled by said laterally-movable wall for governing the variable movements of said adjacently disposed stock advancing means.

2,353,542
ADJUSTABLE TRANSFORMER
Charles Philippe Boucher, Paterson, N. J., assignor to Boucher Inventions, Ltd., Washington, D. C., a corporation of Delaware
Application November 10, 1939, Serial No. 303,886
4 Claims. (Cl. 171—119)

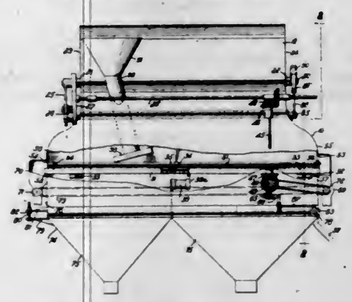
1. A transformer capable of delivering desired maximum current to its load, comprising a core; a primary winding and a secondary winding on said core; a magnetic by-pass disposed on said core and shunting said secondary winding, said by-pass having an air-gap therein; and a sectional bridging block for bridging said air-gap,

removal or addition of sections to said bridging block determining the effective dimensions of



said air-gap and hence determining the quantity of flux linking said secondary winding and the value of the secondary current.

2,353,543
APPARATUS FOR CLASSIFYING AND SEPARATING PARTICLES OF MATERIALS OF DIFFERENT SPECIFIC GRAVITIES
Jean Albert Brusset, Blairmore, Alberta, Canada
Application April 13, 1942, Serial No. 438,810
10 Claims. (Cl. 209—469)

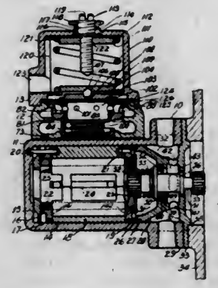


1. In apparatus for classifying a mixture of materials according to specific gravity, a closed compartment, a reciprocating inclined stepped deck mounted in said compartment with the faces of the steps thereof facing the higher end thereof, means for establishing successively vacuum and pressure conditions above the deck, and means for imparting reciprocating motion to said deck, said means effective to advance said deck relatively slowly in the facing direction of the steps thereof and to retract the deck rapidly in the opposite direction in timed relation to the establishment of said vacuum and pressure conditions above the deck, the timing being correlated so that the retraction of said deck occurs during the establishment of vacuum condition above the deck whereby the retraction of the deck is effected without producing retrograde movement of heavy particles in contact with the deck.

2,353,544
RESTRAINER COMPOSITION FOR DEVELOPMENT OF PHOTOGRAPHS
Pio Caccia, Chicago, Ill.
No Drawing. Application September 24, 1941, Serial No. 412,104
2 Claims. (Cl. 95—88)

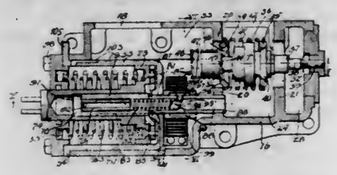
1. A photographic developing bath comprising an aqueous solution of a developer, an alkaline substance, and a restrainer comprising methylaminparaphenolsulphonate.

2,353,545
FLUID TRANSFER MECHANISM
Michele Caserta, Detroit, Mich., assignor to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio
Application June 12, 1941, Serial No. 397,763
17 Claims. (Cl. 277—45)



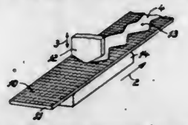
1. In a valve assembly, a valve housing having coaxial cylindrical bores and an intermediate annular partition providing a valve seat, a valve for said seat having guiding portions at all times in contact with said bores and having an axial passage closed at one end, means providing a by-pass valve seat in said passage, a by-pass valve for said seat and resilient means held under compression between said closed end of said passage and said by-pass valve to hold said valve closed.

2,353,546
OIL COOLER CONTROLLING STRUCTURE
Harry L. Chisholm, Jr., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 26, 1942, Serial No. 459,809
6 Claims. (Cl. 236—35)



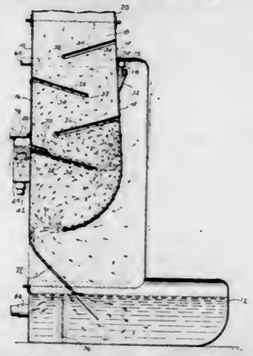
4. A controlling structure for an internal combustion engine oil cooler having shutters thereon, comprising a housing having an inlet chamber for receiving the oil from the engine for delivery to the cooler, a cylinder having a piston connected with the shutters, a duct between said inlet chamber and said cylinder for fluid flow to said cylinder and operation of said piston to control the shutters, a check valve in said duct and a spring for holding it closed against flow therethrough under normal pressure in said chamber, a by-passageway around said check valve for flow of oil to said cylinder when said check valve is closed, a control valve for said by-passageway surrounding said duct, and thermostat means for setting said control valve in accordance with the temperature of the cooler oil discharge flow to open or close said by-passageway, said check valve during closure of said by-passageway by said control valve responding to predetermined pressure increase in said chamber to open said duct for flow to the cylinder for movement of the piston to close the shutters.

2,353,547
DEVICE FOR MECHANICAL RECORDING
Arnaud Cramwinckel and Cornelis Johannes Dippel, Eindhoven, Netherlands; vested in the Alien Property Custodian
Application January 16, 1941, Serial No. 374,780
In Germany June 16, 1939
1 Claim. (Cl. 274—46)



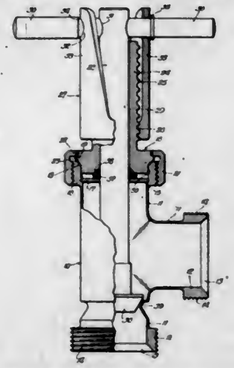
In a device for mechanically recording on a carrier a sound track having depth variations and enlarged optically-reproducible width variations, an unwinding reel for the carrier, means for recording the track disposed at a recording point, and means for removing dirt from the supporting and recording surface of the carrier at a point between the unwinding reel and the recording means, comprising a housing provided at its ends with openings through which the carrier passes, a brush member supported by one inner surface of said housing and comprising a plurality of hairs directed towards one surface of the carrier, a second brush member supported by a movable element of said housing and comprising a plurality of hairs directed towards the other surface of the carrier, resilient means interposed between said element and a second inner surface of the housing for urging the hairs of said latter brushing member towards the carrier, a source of adhesive cleaning fluid and means for supplying said cleaning fluid to said brushing members and for maintaining selected portions thereof substantially saturated.

2,353,548
AIR WASHING APPARATUS
Alfred J. Dalton, Detroit, Mich., assignor to Industrial Sheet Metal Works, Inc., Detroit, Mich., a corporation of Michigan
Application August 29, 1941, Serial No. 408,723
1 Claim. (Cl. 183—26)



Apparatus for removing from an air stream suspended foreign material comprising, in combination, a water carrying reservoir, an upright casing formed of front, back and end walls superimposing said reservoir, the front wall of said casing curving inwardly and terminating above the level of the water in the reservoir to form an air inlet into the casing, a baffle member attached to the back wall above the inlet opening and extending partially across the casing toward the inwardly curved position of the front wall at a downward inclination, the back wall immediately above the attachment of the baffle member thereto provided with a relatively wide slot extending horizontally substantially the length of the baffle, a trough on the front wall adapted to discharge on to the outer surface of said wall, a trough disposed on the outside of the back wall with the upper portion extending at least to the level of the slot, pump means having an intake communicating with the reservoir and a branched outlet discharging into the two troughs, said pump means adapted in operation to continuously deliver water from the reservoir to the two troughs and cause the water in the trough on the back wall to overflow through said slot down the top side of the baffle member in a relatively thick sheet of water and spill therefrom on the front wall and back to the reservoir in a relatively thick curtain of water, and similarly cause the water to flow from the trough on the front wall down the outside surface thereof and spill from the bottom edge back to the reservoir in a curtain of water, and means for causing an air stream to enter said inlet and flow upwardly through the water curtains.

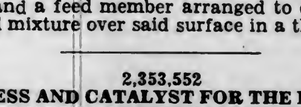
2,353,549
VALVE
Charles B. Dalzell and Harold W. Cheney, Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware
Application April 16, 1941, Serial No. 388,832
8 Claims. (Cl. 251—155)



1. In combination, a valve body comprised of a wrought metal pipe coupling, a valve head mounted on said coupling, a valve stem extending into said valve body through said valve head, a valve element on the inner end of said valve stem, and a valve seat comprising a deformed portion of the wall of said valve body.

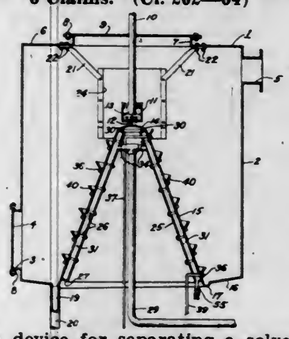
2,353,550
PERMANENT MAGNET
Alfred V. de Forest, Marlboro, N. H., and Foster B. Doane, Wilmette, Ill., assignors to Magnaflux Corporation, Chicago, Ill., a corporation of Delaware
Original application May 18, 1939, Serial No. 274,318. Divided and this application September 10, 1941, Serial No. 410,234
1 Claim. (Cl. 175—367)

A magnet construction comprising an elongated bar magnetized to define magnetic poles along two opposed major longitudinal faces of the bar, and protective pieces of non-magnetic material secured over the adjacent longitudinal faces of the bar, said pieces having curved edge



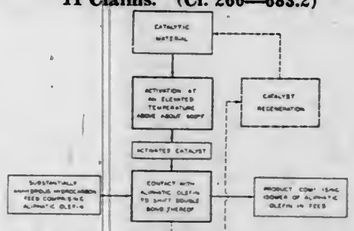
margins defining surfaces adjacent the bar edge faces upon which the magnet may be rolled to remove the edge faces from contact with a surface to which the magnet has been applied.

2,353,551
EVAPORATOR
Fred S. Dexter, Berkeley, Calif., assignor to Dorward & Sons Company, a corporation of California
Application October 22, 1940, Serial No. 362,241
6 Claims. (Cl. 202—64)



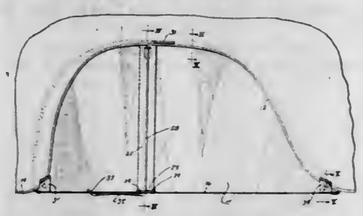
1. In a device for separating a solvent from oil dissolved or partially dissolved therein, in combination, a cylindrical chamber, a drain from the lower portion of said chamber, a vapor line connected to the upper portion thereof, a frusto-conical surface disposed within said cylindrical chamber, a steam chamber formed under said surface, a steam feed and exhaust line connected to said steam chamber, a spiral screen disposed about said surface at an acute angle thereto, a spiral steam coil disposed in contact with said screen and connected to said steam chamber lines, and a feed member arranged to distribute said oil mixture over said surface in a thin layer.

2,353,552
PROCESS AND CATALYST FOR THE ISOMERIZATION OF HYDROCARBONS
Harry E. Drennan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 13, 1942. Serial No. 450,797
11 Claims. (Cl. 260—683.2)



11. A process for the isomerization of olefin hydrocarbons by shifting the double bond which comprises the steps of substantially completely dehydrating said hydrocarbons, treating the said dehydrated hydrocarbons over a solid adsorbent isomerization catalyst activated by heating to a temperature substantially above isomerization temperature for a period of time sufficient to desorb and remove water vapor and adsorbed reactive non-hydrocarbon gases, interrupting the treatment when the catalyst activity declines, and restoring the catalyst to substantially its original activity by heating to a temperature substantially above isomerization temperature to desorb and remove water vapor and adsorbed reactive non-hydrocarbon gases accumulated during the catalytic treatment.

2,353,553
FENDER SHIELD
Arthur P. Fergueson, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application August 8, 1941, Serial No. 405,922
2 Claims. (Cl. 280—153)

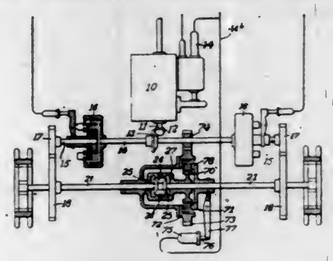


1. A fender shield for covering the wheel opening in the outer depending side wall of a vehicle fender having attaching means thereon comprising a resilient latch member having a substantially vertically extending intermediate portion, which intermediate portion is torsionally stressed about its longitudinal axis, and two end portions extending in substantially opposite directions in substantially a horizontal plane, one of said end portions being bent and stressed to lie flat along the inner face of the outer depending side wall of said fender, and a strut member on the rear of said fender shield extending between the top and bottom edges and having a tongue struck out of an intermediate portion thereof, said resilient latch member passing through said aperture in said tongue, whereby said tongue acts as a guide bearing for the intermediate portion of a said resilient latch member.

2,353,554
ENDLESS TRACK VEHICLE
Geoffrey Robert Greenbergh Gates, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application October 27, 1941, Serial No. 416,733
In Great Britain November 19, 1940
13 Claims. (Cl. 180—9.2)

4. In a vehicle including a pair of endless tracks and a power source, a transmission for connecting said power source to drive the endless tracks, said transmission comprising a divided shaft, a differential gear connecting the two halves of the shaft, separate means each establishing a driving connection between the power source and one of the halves of said shaft, a normally engaged clutch in each of said means, said tracks being connected to the respective means at a point thereon more remote from the power source than the clutch, normally disconnected means for varying the rotational speed of the casing of the

differential gear, and a control system for simultaneously selectively disengaging one of the

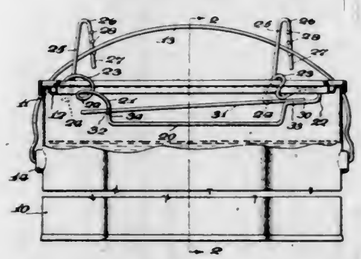


clutches and connecting the means for varying the rotational speed of the casing of the differential gear.

2,353,555

COMBINED BRUSH SCRAPER AND BAIL HOLDER

Albert J. Gore, Washington, D. C.
Application May 1, 1943, Serial No. 485,385
1 Claim. (Cl. 220—90)



An attachment for paint buckets having a wire bail of the character described, comprising a single piece wire bent into substantially U-shape, the lower transverse portion of which is adapted to be positioned within a paint bucket to act as a brush scraper; each of the uprights of said wire being provided with spaced loops adapted to interlock with the top edge of a paint bucket, and the extremities of the uprights being bent to coact with the wire bail of the paint bucket and hold the same at any desired relatively fixed angle with respect to the normal vertical central plane of the bucket.

2,353,556

TREATMENT OF CHROME-TANNED LEATHER

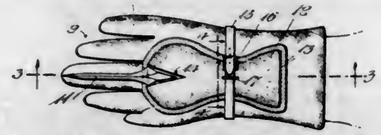
John Marshall Grim, Stamford, and Joseph G. Niedercorn, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 8, 1941, Serial No. 378,105
4 Claims. (Cl. 8—94.21)

1. A process of making leather which comprises impregnating chrome tanned leather with an aqueous solution of a water-dilutable, acid-sensitive condensation product of one mol of ammeline and about 2–4 mols of formaldehyde partially neutralized with an alkali of the group consisting of sodium and potassium hydroxides.

2,353,557

INSTANT FIELD KNIFE

Andrew J. Guthrie, St. Albans, W. Va.
Application February 1, 1944, Serial No. 520,657
5 Claims. (Cl. 30—298)



1. In a field knife, the combination with a glove, a blade having a base, said base being anchored to the back of the glove with the blade projecting approximately parallel with the outstretched fingers of the glove.

2,353,558

ADDITION AGENT FOR LUBRICATING OIL AND METHOD OF MAKING SAME

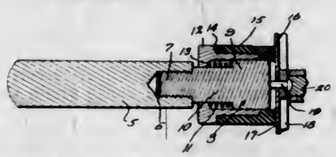
Felix C. Gzemski, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Original application February 20, 1940, Serial No. 319,841. Divided and this application December 7, 1940, Serial No. 369,130
4 Claims. (Cl. 260—461)

1. The method of producing an addition agent for hydrocarbon oils, which comprises reacting an ester of phosphorous acid with a relatively high boiling aliphatic alcohol at such temperature and for such period of time as to introduce into said ester at least one high boiling aliphatic alcohol group.

2,353,559

BUCKING TOOL

James L. Hajek, Jr., Cleveland, Ohio
Application April 3, 1942, Serial No. 437,563
2 Claims. (Cl. 78—53.5)



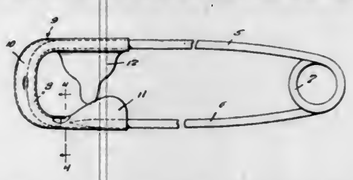
1. A rivet bucking tool comprising a handle, a head secured on the handle, a collar slidably mounted on the head with its inner end restrained between the head and the handle, a hard rubber sleeve mounted on the collar and having a relatively wide outer end adapted to project outwardly beyond the head and the collar for engaging the surface of the work in the region of the rivet, said outer end of the sleeve having an internal shoulder forming an abutment for the end of the collar and spring means for retracting the collar.

2,353,560

SAFETY PIN

John W. Harper, Highlands North, Johannesburg, Transvaal, Union of South Africa
Application December 13, 1943, Serial No. 514,103
4 Claims. (Cl. 24—156)

1. In a safety pin, a main bar having a hook shaped portion at one end thereof, a penetrating bar including a coil portion formed integrally with the other end of the main bar, a substantially U-shaped head slidably mounted on the hook shaped portion and a part of the main bar and having one end thereof shaped to form a keeper to receive the free end of the penetrating bar and acting to guide the free end of the penetrating bar into said head when the latter is

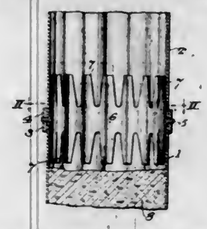


moved in one direction with respect to the hook shaped end of the main bar for locking the penetrating bar from movement out of the keeper and means coacting with the hook shaped portion for releasably securing the head against movement.

2,353,561

COUPLING SLEEVE FOR TUBULAR PILING

Paul E. Hassett, Farmington, Conn., assignor, by mesne assignments, to MacArthur Concrete Pile Corporation, New York, N. Y., a corporation of New York
Application December 23, 1942, Serial No. 469,941
10 Claims. (Cl. 285—192)



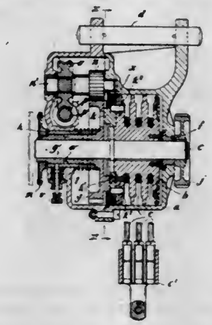
1. A coupling sleeve for hollow fluted piling comprising, a body shaped to lie within the piling and conforming substantially to the contour thereof, said body having a circumferentially continuous intermediate portion and circumferentially interrupted end portions, said end portions being fashioned to form circular series of fluted teeth.

2,353,562

CABLE TENSIONING AND RELEASING MEANS

Ernest Charles Hatcher, Northwood, England, assignor to J. Stone & Company Limited, Deptford, England, a company of Great Britain
Application September 1, 1942, Serial No. 456,938
In Great Britain August 15, 1941
3 Claims. (Cl. 254—187)

3. Bomb sling winch comprising in combination a casing, a drum shaft revolubly mounted therein, a winding drum fixedly mounted on said shaft, a bomb sling windable on said drum and having one end attached thereto, coupling means at the opposite and free end of said sling, driving means disposed externally of said drum, a worm operatively connected with said driving means, a worm wheel meshing with said worm, a pinion revoluble with said worm wheel, a gear wheel meshing with said pinion and revolubly and slidably mounted on one end of said shaft, co-operative ratchet clutch devices on adjacent faces of said gear wheel and said drum, said clutch devices being disengageable by sliding said gear wheel along said shaft, a spring operative against said wheel and constantly tending to engage said clutch devices, shifting means operable for sliding said

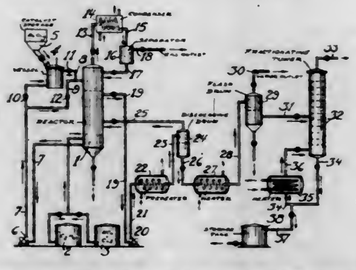


gear wheel against the action of said spring, and manually operated driving means disposed externally of said casing on the opposite end of said shaft and in operative connection with said shaft.

2,353,563

HALOGENATION PROCESS

Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 1, 1940. Serial No. 316,741
2 Claims. (Cl. 260—660)



2. A process for the simultaneous production of ethyl chloride and ethylene dichloride which comprises reacting ethylene with a mixture containing about 90 mol per cent of hydrogen chloride and about 10 mol per cent of free chlorine at a temperature of about 40° C. and a pressure of about 15 pounds per square inch gauge in liquid phase, the reaction medium consisting essentially of about 60 mol per cent of ethylene dichloride and about 40 mol per cent of ethyl chloride, in the presence of an aluminum chloride catalyst.

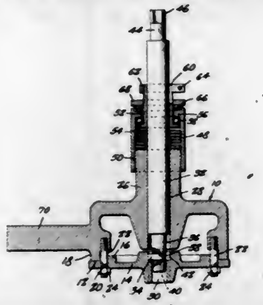
2,353,564

BUSHING FITTING AND PLACEMENT TOOL

Junius Paul Johnson, New Bern, N. C.
Application August 11, 1942, Serial No. 454,446
3 Claims. (Cl. 77—2)

3. In a tool of the character described, a body having an abutment surface concentric with a guide bore therethrough, a shaft rotatable in said guide bore and carrying a cutter at one end, a tubular member threadedly connected with said body having an annular flange, a split sleeve on said shaft having a flange spaced axially of the flange on said tubular member, a bearing between

said flanges, means for clamping said split sleeve to the shaft, a nut threaded on said split sleeve,



and a friction element between said nut and the flange of the tubular member for releasably locking the split sleeve with the tubular member.

2,353,565

OPTICAL VIEW FINDER

Edward K. Kaprelian, Alexandria, Va., assignor to Isadore Nochlin and Sam Schwartz, trading as Camera Supply Company, Washington, D. C.

Application November 4, 1943, Serial No. 508,947

9 Claims. (Cl. 88—1.5)



1. A view finder system for viewing a subject and adapted to have an adjustable field of view to correspond to camera lenses of different focal lengths comprising a negative front component consisting of a fixed positive element and a movable negative element having a substantially greater power than the fixed positive element spaced rearwardly therefrom and said component forming a virtual image, a positive rear component consisting of a fixed negative element and a movable positive element spaced forwardly therefrom and having a substantially greater power than the fixed negative element and means for moving said movable elements simultaneously in the same direction while maintaining a fixed separation between the movable elements.

2,353,566

VARIABLE-PITCH PROPELLER

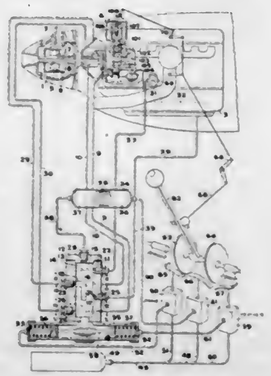
Curt Keller, Zurich, Switzerland, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland, a corporation of Switzerland

Application July 28, 1942, Serial No. 452,623

In Switzerland July 21, 1941

5 Claims. (Cl. 170—135.6)

1. The combination of a propeller having blades which are adjustable to vary pitch; means for supplying liquid under pressure; a hydraulic motor connected to adjust said blades through their entire range; a governor responsive to propeller speed and capable of controlling the supply and exhaust of pressure liquid to and from said hydraulic motor to adjust the propeller blades within a limited intermediate pitch range; a liquid accumulator; pressure operated means for rapidly expelling liquid from said accumulator; a secondary source of pressure fluid under pressure higher than that of said liquid under pressure; a change-over valve having a normal position in which it connects the governor in controlling relation with the hydraulic motor and charges the accumulator with liquid under pressure, and at least one functional position in which



it disconnects the hydraulic motor from the governor and connects the motor with the accumulator; and means operable to shift the change-over valve from its normal to said functional position and subject said expelling means to pressure from said secondary source.

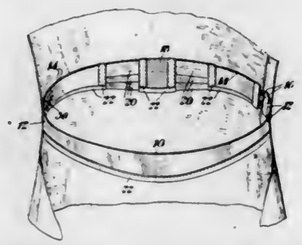
2,353,567

GARMENT WAISTBAND

Ava Jane E. Key, Hempstead, N. Y.

Application February 27, 1941, Serial No. 380,878

7 Claims. (Cl. 2—311)



1. An improved belt-type waistband adapted to be secured into a garment on the wearer, comprising front and side portions of a firm non-elastic material and a back portion comprising an intermediate non-elastic portion of relatively firm fabric material and substantially symmetrically placed elastic sections of substantial length secured respectively to said side portions and to said intermediate non-elastic portion of relatively firm material, said intermediate portion being adapted to be worn over the spine of the wearer while said elastic sections extend over the wearer's adjacent back muscles, said elastic sections comprising a plurality of overlapping individual strips of elastic material the ends of which are attached respectively to a side portion and to said intermediate portion, the waistband being adapted to fit the wearer snugly but permit proper and free muscular action by reason of the presence of said elastic sections.

2,353,568

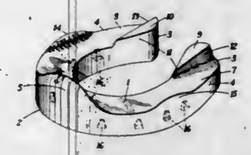
HORSESHOE

Gordon Alexander Allan King, Kew, England

Application January 26, 1942, Serial No. 428,306

In Great Britain October 17, 1941

8 Claims. (Cl. 168—13)



1. An integrally moulded horse shoe formed of non-metallic resilient material and having at the rear extremity and at the inner edge of each heel arm a single upstanding cleft stop, such cleft stops being adapted to engage in the lateral clefts respectively of the frog of a horse's hoof and said horse shoe being provided, at the outer edge of each arm thereof and between the toe of the shoe and said cleft stops, with a quarter clip, such quarter clips being adapted to engage respectively at substantially opposite positions the outer periphery of the horse's hoof.

2,353,569

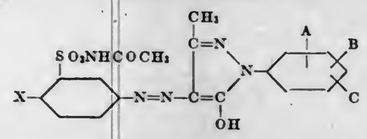
SULPHONAMIDO MONOAZO DYESTUFFS

Oscar Knecht and Theodor Wirth, Basel, Switzerland, assignors to Sandoz Ltd., Fribourg, Switzerland, a firm

No Drawing. Application July 13, 1942, Serial No. 450,794. In Switzerland July 11, 1941

4 Claims. (Cl. 260—163)

1. The monoazo dyestuffs of the general formula



wherein X stands for a member of the group consisting of hydrogen and methyl, A and B each stand for a member of the group consisting of hydrogen and halogen and C stands for a sulphonic acid group, which dyestuffs are yellow powders, dyeing animal fibres in bright yellow shades of excellent fastness properties.

2,353,570

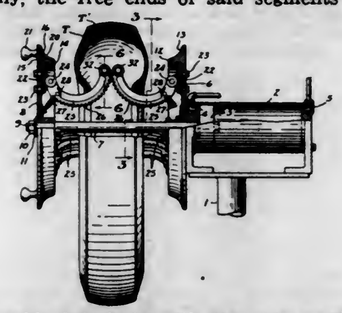
TIRE TREAD CONTRACTING DEVICE

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application January 22, 1943, Serial No. 473,219

14 Claims. (Cl. 18—2)

12. A tire tread contracting mechanism comprising a pair of coaxial annular members having peripheral portions adapted to exteriorly engage the beads of a tire, said peripheral bead engaging portions being oppositely tapered so as to center the tire when the members are moved one toward the other against the tire beads, pairs of arcuate gear segments spaced circumferentially of said annular members, the segments of each pair being intermeshed and pivoted to the inner faces of the annular members to swing radially, the free ends of said segments being



engageable interiorly with the side walls of a tire, and springs acting on said segments to resist outward swinging movements thereof.

2,353,571

ADSORPTION RECOVERY OF PHOSPHATIDE MATERIAL FROM VEGETABLE OILS CONTAINING IT

Henry R. Kraybill, Pearl H. Brewer, and Max Horsley Thornton, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana

No Drawing. Application March 20, 1941, Serial No. 384,352

14 Claims. (Cl. 260—403)

1. Method of recovering phosphatide material from a vegetable oil containing it which consists in bringing the vegetable oil and a phosphatide-material adsorbing solid into intimate contact to cause adsorption of said material upon said solid, separating said solid with the adsorbed material thereupon from the oil, washing the said solid with an oil solvent, removing the phosphatide material from said solid by washing the said solid with solvent of said phosphatide material and separating the latter solvent and the said phosphatide material by evaporation of the solvent.

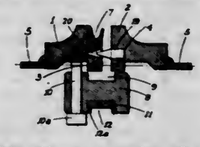
2,353,572

FLANGE COUPLING AND LOCKING UNIT

William H. Kuster, San Francisco, and Edwin A. Glynn, Lodi, Calif.

Application August 7, 1942, Serial No. 454,060

11 Claims. (Cl. 285—129)



1. In combination, a pair of endless flanges adapted to abut against each other, and a coupling unit mounted in fixed connection with one flange and operable to engage the flanges throughout their extent when the latter are abutted to then prevent separation of the flanges.

2,353,573

WOODEN DOOR STRUCTURE

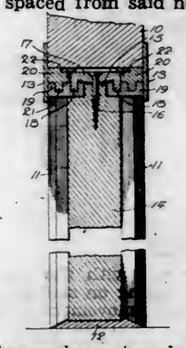
John V. Lindsley, Miami, Fla.

Application October 15, 1941, Serial No. 415,127

5 Claims. (Cl. 20—19)

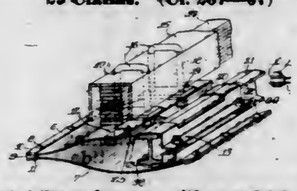
1. In a wooden door structure, a frame, a slidable door including a body portion reduced in

width at opposite sides at its upper end to produce a neck portion, a unitary wooden head secured directly to said neck portion, said head having integral depending flanges at opposite sides thereof and spaced from said neck portion, and



wooden guide members at each side of the door for supporting the door, said guide members extending closely alongside the adjacent faces of the neck portion to aid in guiding the door and having grooves for receiving the respective flanges of the head.

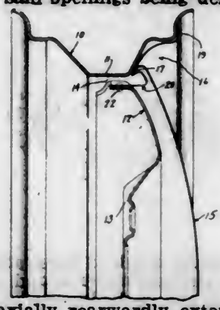
2,353,574
STABILIZER
Kenneth E. Lyman, Lake Forest, Ill., assignor to Edwin Bagnall, Chicago, Ill.
Application April 19, 1941, Serial No. 389,279
25 Claims. (Cl. 267—67)



1. A stabilizer for use with a vehicle having a chassis including a member extending transversely of the chassis, an axle displaced longitudinally of the chassis with respect to the member and spring means interposed between the axle and the chassis, comprising a first leaf element, means on one end of said element adapted for rigid connection to the member with the element extending longitudinally of the chassis in a direction away from the axle, a second leaf element rigidly connected to the remaining end of said first element, said second element being longer than said first element and in the applied condition of the stabilizer extending underneath and beyond the axle and in contact therewith to form a fulcrum, and means secured to the remaining end of said second element at the end thereof and extending inwardly for rigidly attaching said second element to the axle, said last mentioned means providing a new fulcrum and increasing the effective length of said second element during abnormal flexing of the spring.

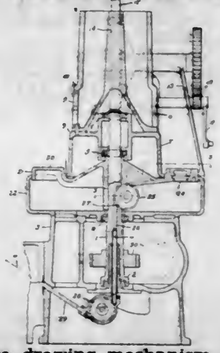
2,353,575
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Original application January 21, 1941, Serial No. 375,171. Divided and this application January 12, 1942, Serial No. 426,451
2 Claims. (Cl. 301—37)

1. In a wheel structure including a flanged tire rim part and a body part connected together at spaced intervals with spaced openings between connections, a plurality of cover retaining spring clips at said openings and each being secured to one of said wheel parts and having a free end extending outwardly beyond the associated opening, each of said openings being defined on one



side by an axially rearwardly extending flange on said body part, said flange comprising a supporting base to which a clip is fastened, and a wheel cover for concealing said openings and having an edge snapped over the free ends of said clips and into retaining engagement therewith.

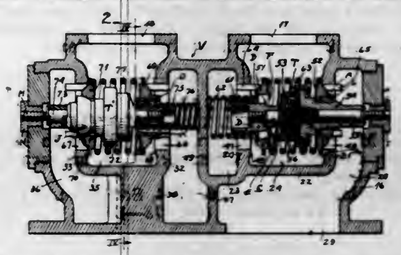
2,353,576
MECHANISM FOR DRAWING WIRE
Edwin J. McIlvried, Akron, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application August 8, 1936, Serial No. 94,999
4 Claims. (Cl. 205—16)



1. In wire drawing mechanism, the combination of a normally stationary block, a carrier rotatable about the axis of said block, a die on said carrier adapted upon rotation of the latter to lay the drawn wire on said block, and guide means adapted to lead a wire coaxially of said carrier and thence to said die, said guide means including two sheaves mounted on said carrier, one having its axis substantially parallel to but spaced from and the other having its axis transverse of and closely adjacent to the axis of said block.

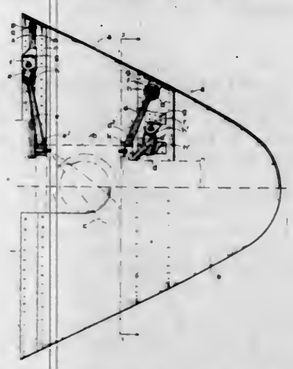
2,353,577
OIL TEMPERATURE REGULATING STRUCTURE
Gervase M. Magrum, Harry L. Chisholm, Jr., and Andrew D. Hodge, Buffalo, N. Y., assignors to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application July 6, 1942, Serial No. 449,950
12 Claims. (Cl. 236—34)

1. A controlling valve structure for the radiator flow and warming chamber flow of an oil cooler, comprising a housing and a passageway therethrough for flow of oil to the radiator and warming chamber, said housing having an outlet passageway for oil from the radiator and another outlet passageway for the oil from the warming chamber, a valve in said housing for the radiator outlet passageway and a valve for the warming chamber outlet passageway, and thermostat means subjected to the temperature of the oil flow through said outlet passageways for setting



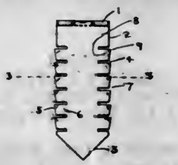
of said valves for apportionment of the flow through the radiator and the flow through the warming chamber, and means whereby said warming chamber outlet passageway valve, after closure thereof by said thermostat means, may move independently of said thermostat means to be responsive to the increased warming chamber pressure upon stoppage of flow through the radiator to open said warming chamber outlet passageway.

2,353,578
SPINNER FOR AIRSCREWS
Frederick George Marshall, Leamington Spa, England, assignor to Constant Speed Airscrews Limited, Warwick, England
Application June 9, 1941, Serial No. 397,347
In Great Britain April 5, 1940
6 Claims. (Cl. 170—159)



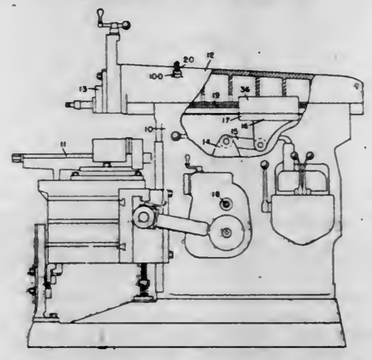
2. In a spinner for the hub of an airscrew, a spinner shell, spoked supports therefor adapted for attachment to said hub, an annular member adapted for detachable connection with said spinner shell, a plurality of brackets fixed around said member, pivot pins carried by said brackets with their axes arranged tangential to a circle concentric with the rotational axis of said spinner shell, open-ended sockets at the ends of the spokes of said supports adapted for engagement with said pins, and rubber bushes arranged between said pins and sockets with their ends bearing against said brackets.

2,353,579
DRIVE FASTENER
Edwin August Miller, New Haven, Conn.
Application June 30, 1942, Serial No. 449,066
1 Claim. (Cl. 85—11)



A drive fastener including a sheet-stock shank portion having parallel opposite marginal edges; slots extending perpendicular to and within said edges at intervals to provide in the plane of the shank resilient sections therebetween; an upper corner of certain of said sections projecting out of said plane in one direction and upper corners of other sections projecting out of said plane in an opposite direction, said projecting corners overreaching opposite walls of a passage preformed therefor within a receiving work-piece and yielding upon the fastener being urged within the passage, but positively opposing the withdrawal thereof.

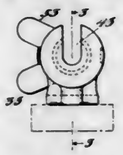
2,353,580
METALWORKING MACHINERY
David E. Mills, Cincinnati, William H. H. Drake, Bridgetown, and Howard E. Laubach, Cincinnati, Ohio, assignors to the Smith & Mills Company, Cincinnati, Ohio, a corporation of Ohio
Application November 24, 1942, Serial No. 466,755
4 Claims. (Cl. 90—42)



1. The combination with a shaper including a ram, a rotatable ram screw secured to and carried by said ram, means for rotating said ram screw, a ram carrier, means for imparting a reciprocating motion to said carrier, of a pair of ram screw nuts threadably engaging said ram screw, a pair of upstanding spaced abutments secured to and carried by said ram carrier and including a passageway through which the ram screw may slidably extend, said ram screw nuts located between said abutments, means interconnecting said nuts for rotating them in opposite directions into abutting relationship with said abutments, cooperating means on said ram carrier and said nuts for limiting the amount by which said nuts may be rotated relative to said carrier, said nuts adapted to translate rotary motion of the ram screw to a linear motion of the

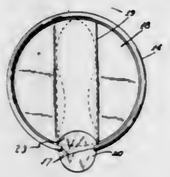
ram carrier relative to said screw for effecting longitudinal movement of the ram relative to the ram carrier, and to automatically lock the ram screw relative to the ram carrier after each rotation of said screw and to impart the reciprocating motion of the ram carrier to the ram.

2,353,581
SAFETY CATCH
Eugene Morehouse, Providence, R. I., assignor to B. A. Ballou & Co., Inc., a corporation of Rhode Island
Application March 3, 1943, Serial No. 477,828
5 Claims. (Cl. 24—157)



1. An inside rotor member for a safety catch to be positioned between two ears comprising two individual sheet stock pieces each slotted with their slots in registry and each cylindrically dapped with their dapped portions extending in opposite directions and interlocking parts between said pieces to prevent relative rotation of said pieces.

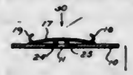
2,353,582
RECEPTACLE AND CLOSURE MEANS THEREFOR
Oke L. Pearson, Chicago, Ill.
Application October 12, 1942, Serial No. 461,809
6 Claims. (Cl. 229—45)



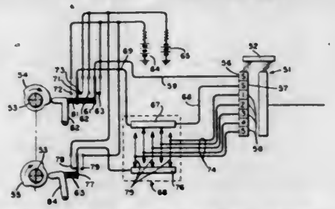
1. In combination with a disposable receptacle for ice cream or the like and having an upwardly extending side wall terminating in an annular rim; a removable disposable disk-like cover formed of a plurality of layers of fibrous material; said cover being adapted to be removably mounted in the upper part of said receptacle so that its peripheral edge frictionally engages the inner surface of said receptacle rim; said cover layers being spaced apart along a diametrically extending path to form a transversely extending passage, said passage being adapted to removably mount a spoon therein, the upper of said covering layers having a peripheral recess at one end of said passage to expose a grippable portion of said spoon, said cover providing a sanitary covering for said spoon.

2,353,583
WIDE MOLDING SNAP-ON CLIP
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application July 31, 1941, Serial No. 404,916
3 Claims. (Cl. 24—73)

1. A rotary molding or like clip consisting in a rectangular strip of metal having intermediate end portions curved inwardly toward each other and providing molding engaging beads, and tongues struck from the body of the strip and bent so as to provide transversely curved connecting portions and portions disposed in offset relation and in approximate parallelism to said body, said last-named portions extending in opposite directions in substantially the same plane.



2,353,584
TEST SIGNAL TRANSMITTER
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 26, 1941, Serial No. 424,551
14 Claims. (Cl. 178—69)



1. In a telegraph transmission system, a tape transmitting apparatus comprising a rotary member having a plurality of impulse forming elements, a tape sensing apparatus including members for probing the presence or absence of perforations in a control tape for determining the alternative electrical nature of impulses to be formed by said elements, and a reversing apparatus antecedent to said tape sensing mechanism for determining the current characteristic of said impulses.

2,353,585
LUBRICATING COMPOSITION
Carl F. Prutton, Cleveland, and Albert K. Smith, Shaker Heights, Ohio, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application May 1 1940, Serial No. 332,840
2 Claims. (Cl. 252—54)

1. A lubricating composition comprising a major proportion of lubricating oil with the properties of such composition affecting its use as a lubricant improved by incorporating therein a minor amount, based on the amount of lubricating oil, of a stable oil-soluble halogen bearing ester of phthalic acid.

2,353,586
INCLINOMETER
Gustave M. Reininger, Fort Mitchell, Ky.
Application June 4, 1942, Serial No. 445,823
2 Claims. (Cl. 33—206)

1. An inclinometer comprising a bulb of transparent material formed to provide a flat dial wall co-extensive with the front of said bulb, a curved luminescent rear wall extending completely across the back of the bulb, flat top and bottom walls extending rearwardly from the upper and lower margins respectively of the dial wall and

joining the rear wall along its upper and lower margins respectively, walls sealing the ends of the bulb, an uninterrupted coating of fluorescent material covering the rear wall and a substantial part of the top and bottom walls adjacent said rear wall, and an indicator ball in the bulb pro-

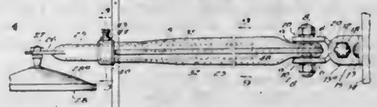


vided with a light absorptive surface, said fluorescent material, by virtue of the light deflecting relationship of said front and rear walls, being rendered substantially totally luminous by a light source exterior of the bulb whereby the ball is caused to stand out in complete relief against said luminous wall portions.

2,353,587
INHIBITING FOAMING OF VISCOUS PETROLEUM OIL
Carroll N. Rill, Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application February 19, 1941, Serial No. 379,645
3 Claims. (Cl. 252—317)

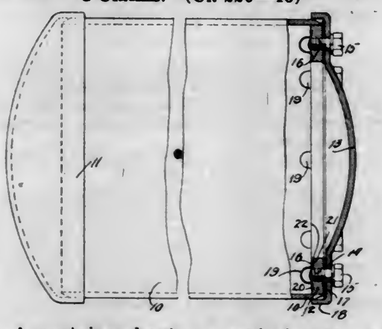
1. In the method of utilizing a viscous petroleum oil in a system wherein the oil is subjected to vigorous agitation and normally tends to develop a substantial quantity of foam, the step of inhibiting the foaming of the oil by incorporating therein a minor proportion, from about 0.1 percent to about 5.0 percent, of a thiophosphate selected from the group consisting of tri-capryl monothiophosphate, and tri-2-ethyl-hexyl-monothiophosphate.

2,353,588
SUPPORTING ARM FOR REARVIEW MIRRORS AND THE LIKE
Oliver C. Ritz-Woller, Chicago, Ill.
Application December 24, 1942, Serial No. 470,013
1 Claim. (Cl. 248—279)



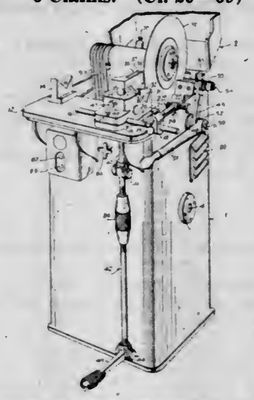
A device of the character described, comprising a bracket adapted to be secured to a mounting, an arm having one end formed for mounting on said bracket for friction retaining pivotal movement, and the other end of said arm being adapted for supporting a mirror or the like, said arm being formed of two sheet metal stamped elements of generally semitubular cross section, said elements having longitudinally extending joint surfaces adapted to be disposed in cooperating relation to substantially form a hollow tubular body, one of said elements including longitudinally extending, offset marginal portions at each side, projecting substantially perpendicularly to and beyond the planes of the respective joint surfaces of the other element and adapted to lap the joint surfaces of the other element, when said elements are disposed in cooperating relation, the joint surfaces of one of said elements, adjacent said one end, being relatively flat and disposed in a plane at a relatively slight acute angle to the remaining cooperating joint surfaces of said last-mentioned one element, and means carried on the other end of said elements for drawing said ends of the elements together, with the joint surfaces of both elements, adjacent said one end, disposed in abutting relation.

2,353,589
SEAL FOR PRESSURE VESSELS AND THE LIKE
Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application April 24, 1942, Serial No. 440,275
3 Claims. (Cl. 220—46)



2. A container having a seat ring secured at one end thereof and a cover therefor, tapped holes extending entirely through said ring, screws extending into said tapped holes for securing the cover to the ring, the inner side of said ring being countersunk to provide annular recesses around the inner ends of said tapped holes, and a sealing cap at each recess having a flange frictionally engaging in the recess and sealed therein whereby said caps will protect said tapped holes and screws against access by fluid within the container.

2,353,590
CUTTING MACHINE
Ewald Schutz, Lancaster, Pa., assignor to De Walt Products Corporation, Lancaster, Pa., a corporation of Pennsylvania
Application August 11, 1942, Serial No. 454,364
6 Claims. (Cl. 29—69)



1. A cutting machine comprising: an enclosing structure, a frame swingably mounted within the

enclosing structure, a motor mounted on the frame within the enclosing structure, a rotary cutter mounted on the frame and enclosed by said structure, a driving connection from the motor to the cutter, the driving connection being within the enclosing structure, the enclosing structure having an opening through which an article can be fed adjacent to the periphery of the cutter, clamping means within the enclosing structure operable to clamp the article at a point adjacent to the cutter, control means outside of the enclosing structure, and means operably connecting the control means to said clamping means to effect clamping of the article and operably connecting the control means to said frame to swing the frame and thereby bring the cutter into cutting engagement with the clamped article.

2,353,591

AGE RESISTOR FOR RUBBER

Winfield Scott, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 28, 1940, Serial No. 354,519

14 Claims. (Cl. 260—804)

1. A method of treating rubber which comprises vulcanizing the same in the presence of the condensation product of an aldehyde and a terpenyl arylamine produced by the reaction of a terpene with an amine selected from the group consisting of primary and secondary arylamines.

2,353,592

AGE RESISTOR FOR RUBBER

Winfield Scott, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 31, 1940, Serial No. 355,095

12 Claims. (Cl. 260—802)

1. A method of treating rubber which comprises vulcanizing it in the presence of the condensation product of a ketone and a terpenyl arylamine produced by the reaction of a terpene with an amine selected from the group consisting of primary and secondary arylamines.

2,353,593

THIAZOLES AND THIAZOLINES

Winfield Scott, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 6, 1942, Serial No. 433,632

5 Claims. (Cl. 260—302)

1. As a new composition of matter, a compound selected from the group consisting of the 2 - (arylsulfonylamide - methylene - thio) - thiazoles and the 2-(arylsulfonylamide-methylene-thio)-thiazolines.

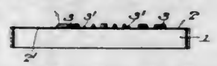
2,353,594

MEANS FOR DECORATING EDIBLE PRODUCTS

Carl Egard Seagren, Brooklyn, N. Y.

Application May 14, 1941, Serial No. 393,479

2 Claims. (Cl. 41—33)



1. An article of the character described comprising, a thin pervious backing sheet, a three-dimensional design formed of edible soluble material detachably secured to one surface of the sheet and projecting in relief above said surface, and a relatively stiff ring secured to the periphery of said sheet and projecting above the plane of said sheet only on the side opposite to that which bears the design.

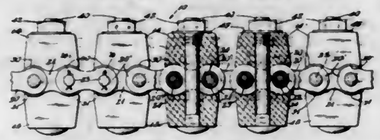
2,353,595

DRIVING BELT

Albert F. Shields, Forest Hills, N. Y., assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York

Application September 25, 1941, Serial No. 412,219

4 Claims. (Cl. 74—230)



1. A driving belt for a variable speed power transmission system, said belt comprising a plurality of sets of rigid blocks having a frictional surface and a metallic chain interconnecting said blocks, said chain comprising a plurality of metallic sections each hingedly connected together by metallic members, each set of blocks comprising an outer and an inner block mounted on opposite sides of one of said sections and secured thereto by clamping means interconnecting said blocks and forcing them together, each section comprising a pair of plates, and the connecting members comprising a connecting link connected to each plate at each end thereof; a pin passing through the pair of plates at one end thereof and the respective connecting links for each plate at said end, and a bushing on said pin between said plates, spacing said plates, and a similar pin connection and bushing spacer for the plates and connecting links at the other end of the plates; a saddle on the inner surface of each block, said saddle having recesses corresponding to and registering with said bushings.

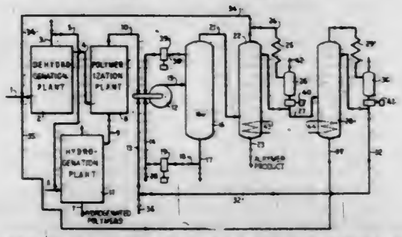
2,353,596

HYDROCARBON REACTION

William H. Shiffler, San Francisco, and Laverne P. Elliott, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

Application August 30, 1939, Serial No. 292,678

1 Claim. (Cl. 260—683.4)



Process of manufacturing high antiknock motor fuel hydrocarbons from a mixture of low boiling hydrocarbons containing normal paraffins having more than two and less than six carbon atoms per molecule, which comprises subjecting such paraffins to a dehydrogenation stage in which said paraffins are partially dehydrogenated forming olefins, subjecting the resulting mixture of paraffins and olefins to a polymerization stage wherein the olefins are partially polymerized, separating the resulting polymers from the remaining mixture of said paraffins and said olefins, subjecting said last-mentioned mixture to an alkylation stage in the presence of isoparaffin which is alkylated by said olefins thus freeing said mixture of substantially all of said olefins so that said paraffins contain less than about 0.1% olefin, separating normal paraffins therefrom and returning the normal paraffins thus separated to said dehydrogenation stage wherein said paraffins are further subjected to dehydrogenation, and returning separated isoparaffin to said alkylation stage.

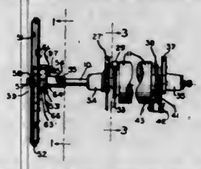
2,353,597

PLATEN HANDWHEEL

Gordon Sim, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application August 17, 1942, Serial No. 454,037

11 Claims. (Cl. 197—114)



1. In a platen feeding apparatus, a shaft, a platen roll carried by said shaft, means for rotating said shaft step by step, a wheel carried by said shaft, and means associated with said shaft and said wheel for delaying the addition of the mass of said wheel to the mass of said shaft and roll during a stepping operation to prevent overtravel of said platen roll.

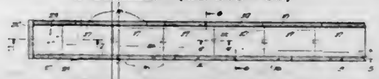
2,353,598

PORTABLE BOWLING ALLEY

Warren A. Somerville, Jackson Heights, N. Y.

Application November 13, 1941, Serial No. 418,922

2 Claims. (Cl. 273—51)



1. A bowling alley comprising two longitudinal side members made up in detachable sections, each section consisting of a vertically extending side rail having an inwardly extending ball gutter portion at the bottom thereof, said sections being detachably connected to each other at their ends by dowels and also by locking links which span the joints between them, the joints between said sections being arranged out of transverse registration with each other; and a sectional alley bed member detachably secured to said gutter portions by dowels, said bed sections being provided at the under sides of one of their ends with longitudinally projecting tongues, the other ends being provided with sockets to receive said tongues.

2,353,599

SAFETY RAZOR

Lewis H. Swann and Judson P. Bowen, Atlanta, Ga.

Application November 4, 1940, Serial No. 364,302

2 Claims. (Cl. 30—68)

1. In a safety razor of the class described, a single-edged blade; a U-shaped sheet metal sheath permanently assembled thereon, said blade having a central opening and the opposite leaves of the sheath having non-circular openings registering therewith; and a removable handle of softer material than the sheath having a substantially elliptical end portion adapted to be frictionally engaged in the openings in the leaves.



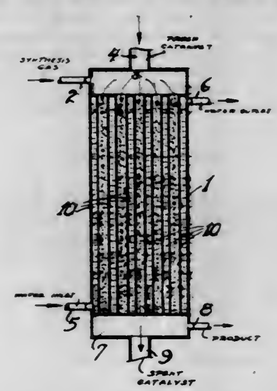
2,353,600

PROCESS FOR CONTROLLING TEMPERATURE IN EXOTHERMIC CHEMICAL REACTIONS

Sumner B. Sweetser, Baton Rouge, La., assignor, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware

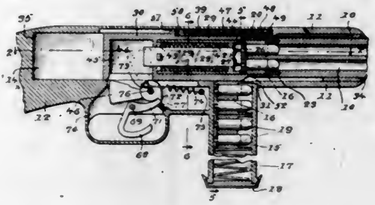
Application August 22, 1940, Serial No. 353,631

2 Claims. (Cl. 260—449.6)



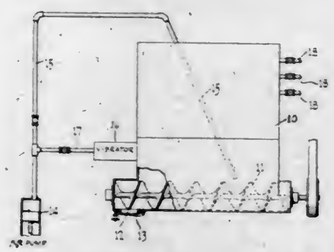
1. Process for the hydrogenation of carbon oxides comprising passing a gas containing oxides of carbon and hydrogen downwardly through a reaction zone containing fresh catalyst in the upper part thereof, and relatively spent catalyst in the lower part thereof, continuously adding fresh catalyst at said upper part and withdrawing catalyst from said lower part, maintaining temperature and pressure conditions in said reaction zone adapted to produce hydrocarbons containing more than one carbon atom in the molecule, removing the exothermic heat of reaction by a boiling liquid cooling medium maintained in heat exchange relationship with the catalyst, said zone being of such height that the hydrostatic head of said cooling medium is sufficient to produce a pressure equivalent to that of a column of water at least thirty feet high, whereby the boiling temperature of said cooling medium is caused to be appreciably higher at the lower part of said reaction zone than at the top.

2,353,601
AUTOMATIC GUN
Leo S. Tisdale, Sr., Meridian, Miss.
Application March 21, 1941, Serial No. 384,555
3 Claims. (Cl. 42—3)



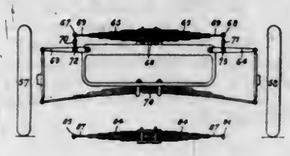
1. In a gun of the character described, a body, a barrel on the body, an elongated casing mounted to slide longitudinally in the body, said casing having a rear firing pin carrier portion and a receiver forming a chamber forwardly of the carrier portion for a clip of ammunition, an ejector housing extending laterally from the casing and movable as a unit with the casing, an ejector slidably mounted in the housing movable transversely of the receiver to eject used ammunition from the receiver, a firing pin in the firing pin carrier exposed to exploding gases in the chamber and adapted to impel the elongated casing rearwardly to carry the ejector to operative position, a stationary cam connected to the body adapted to intercept the ejector and move the ejector through its ejecting stroke during rearward movement of the casing, a spring connected to the body and to the casing for moving the casing forwardly to operative position after each actuation, and a hammer in the body coacting with the firing pin and cocked by rearward movement of the casing.

2,353,602
METHOD AND APPARATUS FOR DEWATERING MINERAL CONCENTRATES
Frank Trotter, Cristo, Cuba, assignor to Cuban-American Manganese Corporation, New York, N. Y., a corporation of Delaware
Application March 26, 1941, Serial No. 385,259
8 Claims. (Cl. 210—55)



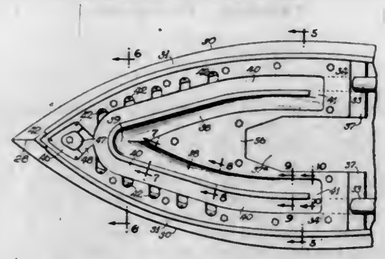
1. The process of removing occluded water from mineral concentrates which comprises subjecting a body of such concentrates to vibration until the occluded water will readily separate by settling, thereafter settling the mass until the water rises to the top and the mineral concentrates collect at the bottom in the form of a solid, non-flowable mass and drawing off said water.

2,353,603
DEVICE FOR THE SUSPENSION OF VEHICLES
Jean Vancoppenolle, Caen, Calvados, France; vested in the Alien Property Custodian
Application July 19, 1939, Serial No. 285,256
In France August 5, 1938
4 Claims. (Cl. 267—19)



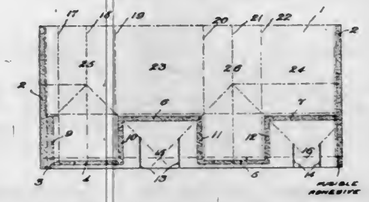
1. In a suspension system for a vehicle having a frame, a main suspension device including a generally horizontal resilient means secured intermediately to a portion of said frame, a pair of generally horizontal lever means spaced apart transversely of the vehicle, the ends of said resilient means being pivotally connected to said lever means, an auxiliary suspension device having its effects added to those of said main suspension device, including a second resilient means comprising a multiple-leaf spring secured to a portion of said frame above the first mentioned portion, and which acts when the main suspension device is deformed from the position of equilibrium but has a reduced deformation with respect to that of the main suspension, the ends of said second resilient means being respectively connected to said generally horizontal lever means at points remote from the connections of said first mentioned resilient means therewith.

2,353,604
BASE UNIT FOR STEAM AND ELECTRIC IRONS
Frederic M. Waring, Shawnee, Pa., and Edward J. Lee, Jr., New Rochelle, N. Y., assignors to Merrill M. Kistner, Lakeside, Mich.
Application August 21, 1940, Serial No. 353,450
8 Claims. (Cl. 38—77)



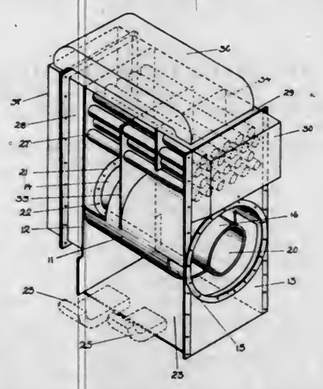
1. A base unit for an iron of the character described having, in combination, an ironing base provided with steam discharge ports, means defining a zone on said base to receive water to be generated into steam, said base having a pair of diverging channels each communicating with said zone and leading to said discharge ports, said base including a relatively large mass of metal located between said channels, each of said channels having an upward inclination at least through the portion thereof adjoining said zone, and means for heating said base, zone and channels said heating means being disposed adjacent to said zone and channels and remote from said mass.

2,353,605
BAG
Harry F. Waters, New York, N. Y.
Application May 14, 1940, Serial No. 335,045
8 Claims. (Cl. 229—59)



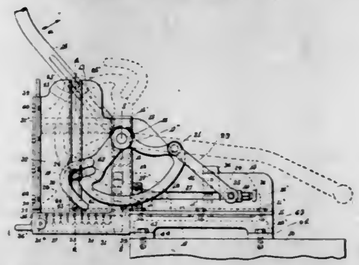
1. A bag of the automatically opening bottom type which comprises in combination a tube constituted of flexible sheet material folded longitudinally along a plurality of lines to form front and rear walls and end walls connecting the same, a preformed flat bottom structure at the lower end of said tube including a squared-up portion of said walls flattened down in the plane of said front and rear walls, and lines of reactivable adhesive provided on the marginal portions of said tube forming said bottom structure, said lines of adhesive being contacted with each other after said bottom structure has been formed and reactivated to connect the bottom ends of said tube with a substantially continuous and sift-proof seam.

2,353,606
HOT-AIR FURNACE
Albert Edward Watts, Montreal, Quebec, Canada
Application April 23, 1941, Serial No. 389,937
4 Claims. (Cl. 126—104)



1. In hot air furnaces, a furnace casing, a stationary casing secured to and intermediate the height of the end walls of said furnace casing and extending laterally into contacting relation with the sides of the furnace casing, said stationary casing having a cut-away portion in its top portion adjacent to one end and a cut-away portion in its lower portion adjacent to the other end to form air inlet and air outlet passages, said stationary casing separating the interior of the furnace casing into upper and lower air heating chambers, a removable fire chamber having guide ribs adapted to engage with the inner surface of said stationary casing, a plurality of longitudinal radiation vanes emanating outwardly from said fire chamber, a plurality of smoke tubes situated above said stationary casing and extending through the end walls of said furnace casing, a smoke flue forming a smoke passage between said fire chamber and said smoke tubes, an air inlet duct connected to said upper heating chamber, means for circulating and directing the flow of air around said smoke tubes in the upper heating chamber and between said stationary casing and removable fire chamber and into said lower heating chamber, and air ducts connected to said heating chamber.

2,353,607
MACHINE FOR CUTTING EDIBLES
Henry G. W. Young, Cambridge, Mass.
Application February 14, 1942, Serial No. 430,938
3 Claims. (Cl. 146—78)

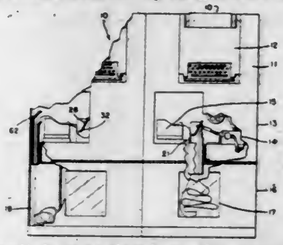


1. In a machine for cutting edibles, the combination of a frame provided with a horizontal trough having vertical side walls and a vertical compartment at the forward end of said trough and communicating therewith; a series of knives in horizontal guideways in said side walls and at the bottom of said compartment and adapted to be displaced by horizontal movement thereof; a vertically movable plunger coacting with said knives; a second series of knives disposed in vertical guideways in said side walls at the forward end of said trough and adapted to be displaced by downward movement thereof; a horizontally movable plunger in said trough and coacting with said second series of knives; an oscillating shaft extending transversely of the trough and through the side walls of said frame; and means outside of said side walls secured to and actuated by said oscillating shaft for imparting reciprocatory movement to both of said plungers, said last means including cam plates secured to the outer ends of said oscillating shaft and oscillating therewith, said plates having substantially V-shaped cam slots therein; links connecting the outer rear portions of said cam plates to said horizontally movable plunger; projections on the vertically movable plunger extending through vertical slots in the side walls of said frame and into said cam slots; and two rollers on each projection of which the inner rollers are rotatable in one direction in the vertical slots and the outer rollers are positioned in the cam slots and rotatable in the opposite direction.

2,353,608
PRINTING TELEGRAPH APPARATUS
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application February 21, 1942, Serial No. 431,804
1 Claim. (Cl. 178—42)

In a tape control device for printing telegraph apparatus, a first tape feeding means, a second tape feeding means, a tape guideway between

said first and second tape feeding means for guiding a loop of tape in a predetermined direction, said guideway including a back plate and end walls, a tape loop forming switch control means mounted directly over said guideway, said control means being effective under two different tape loop conditions and comprising a frame, a shaft journaled on said frame, a loop lever mounted on said shaft, said loop lever being normally effective under one of said loop conditions invariably to direct the tape into said guideway, a switch engaging lever also mounted on said shaft, a switch carried by said frame in the path



of said switch engaging lever for controlling said second feeding means, said loop lever being responsive, under both said loop conditions, to taut and slack conditions of tape to control said switch lever to operate said switch thereby to control said second feeding means, one of said end walls being lower than said loop lever when said lever is in its lower position, and camming means on said lower end wall effective under the other of said loop conditions for atuomatically guiding the tape into a position under said loop lever invariably to effect switch controlling functions under said other of said loop conditions.

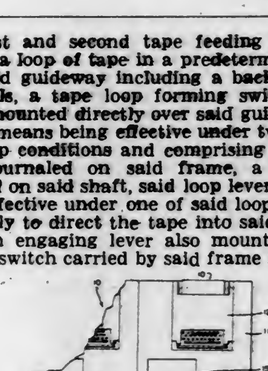
2,353,609

WEB CUTTING AND FOLDING MECHANISM FOR PRINTING MACHINES

Adolph M. Zuckerman, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application June 3, 1942, Serial No. 445,564

12 Claims. (Cl. 270—32)



1. In a sheet cutting and folding mechanism for a web printing machine, selectively operable means for cutting the web into sheets of more than two different lengths, selectively operable means for forwarding the web to any of the cutting means, a folding cylinder, and means for so presenting sheets of each length to the folding cylinder that they will be folded substantially midway between their leading and trailing edges.

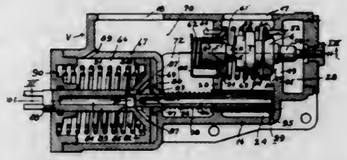
2,353,610

OIL COOLER CONTROLLING STRUCTURE

Harry L. Chisholm, Jr., Buffalo, N. Y.

Application August 1, 1942, Serial No. 453,290

8 Claims. (Cl. 236—34)



8. Controlling structure for an internal combustion engine oil cooler having shutters thereon, comprising a housing having an inlet chamber therein for receiving the oil from the engine, said inlet chamber having an outlet for flow of oil therefrom to the cooler, valve means in said chamber, thermostat means responsive to the temperature of the oil in said chamber for operating said valve means to control said outlet, the pressure in said chamber being dependent upon the resistance to flow of the oil through the cooler, a cylinder forming part of said housing, a piston in said cylinder connected with the cooler shutters for operation thereof, spring means tending to move said piston inwardly for opening movement of said shutters, means providing a connection for flow of oil from said chamber into the cylinder behind said piston for outward movement thereof and closing movement of the shutters, and a valve controlled solely by the pressure in said chamber independently of and uninfluenced by the temperature in said chamber for controlling said oil connection to said cylinder to cause the movement of the piston to be dependent solely upon the oil pressure in said chamber.

2,353,611

AUTOMATIC LOOM SHUTTLE

Harry Earl Foster, Atlanta, Ga., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application November 18, 1942, Serial No. 466,040

4 Claims. (Cl. 139—223)



1. An automatically threading loom shuttle having a side delivery eye, a threading block forming a side threading passage to said side delivery eye, a horn extending downwardly from said block and having a point under which the filling thread passes during threading of the shuttle, a thread guiding surface between the point of the horn and the body of the threading block under which the filling thread passes, and a thread trap in the opening between the point of the horn and the body of said threading block, said trap comprising a member formed of resilient material and having a portion extending longitudinally of the shuttle and fixed to the threading block, a portion extending upwardly and terminating below the point of the horn, and a reversely bent portion extending upwardly from the upwardly extending portion and overlapping a portion of said guiding surface to permit the filling thread to pass between said reversely bent upwardly extending portion and said guiding surface and to enter said opening during threading of the shuttle, said trap being arranged to prevent upward movement of the filling thread out of said side delivery eye during operation of the loom.

2,353,612

PROCESS FOR PRODUCING METAL COMBINATIONS OR ALLOYS

Daniel Gardner, New York, N. Y., assignor to Virginia Metal Industries, Inc., a corporation of West Virginia

No Drawing. Application September 17, 1941, Serial No. 411,207.

10 Claims. (Cl. 75—122)

7. The process of combining or alloying of a set of selected metals having substantially the same boiling points, comprising distilling the metals by vaporization and condensation; characterized in that the metals are brought into combination before their vaporization and their vapors are conducted away in admixture; whereby a product is obtained of thoroughly combined selected metals, both of high purity and affording non-brittleness thereof.

2,353,613

PROCESS FOR BENEFICIATION OF IRON ORES AND RECOVERY OF BY-PRODUCT VALUES

Daniel Gardner, New York, N. Y., assignor to Virginia Metal Industries, Inc., a corporation of West Virginia

No Drawing. Application October 21, 1941, Serial No. 415,200

20 Claims. (Cl. 200—3)

1. The process for beneficiating iron ores comprising mixing the crushed ore with minor proportions of a solid carbonaceous reducing agent, and a basic hydroxide; and treating such mixture in finely divided condition by first subjecting it to heating in a non-oxidizing atmosphere in a closed chamber, and at a reaction temperature below that at which the basic hydroxide tends to lose its water of constitution and well below that at which softening, fusing or agglomerating of mineral contents tends to occur, thereby to maintain the finely divided condition of the mixture; the basic hydroxide reacting with any silicon or aluminum compounds present, at such low temperature, thereby to combine with and withdraw them from undesirable combination with the iron; and terminating the heating after a substantial duration and abruptly quenching the mixture in liquid while continuing the prevention of oxidation; whereby during such heating and quenching treatment substantially all the iron compounds or oxides present are converted to ferroso-ferric oxide Fe_3O_4 and are fixed as such; with subsequent steps of separation and recovery of such converted iron compound as a beneficiated product.

2,353,614

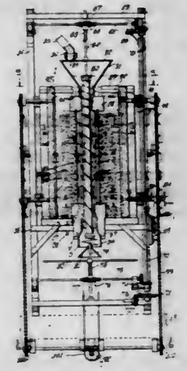
ELECTRIC FURNACE

Daniel Gardner, New York, N. Y., assignor to Gardner Thermal Corporation, a corporation of Delaware

Application April 4, 1942, Serial No. 437,633

10 Claims. (Cl. 13—8)

1. A high-temperature electric furnace for the continuous treatment of solid substances or mixtures, as for the extraction by distillation of metals from ores, compounds or mixtures; comprising a refractory-walled tubular reaction chamber arranged longitudinally for the progressive travel between infeed and discharge of the substance to be treated, and a body of electrical-resistance heating material surrounding the chamber wall in heating relation thereto, the chamber wall being exteriorly closed but formed with interspaces constituting a longitudinal gas flue and with perforations in its inner face for gas outflow from chamber to flue; together with



an enclosure comprising at least one movable presser platen spaced outwardly from and facing the chamber wall with the body of heating material enclosed between wall and platen, and mechanical means to adjust transversely said platen towards or from said wall to apply variable squeezing compression and relaxation to the body of heating material, thereby to vary its electrical resistance and so to control the heating effect and reaction temperature.

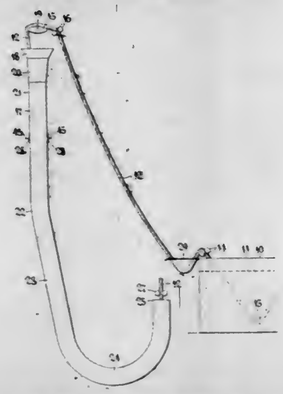
2,353,615

METHOD OF HEATING GOODS

Hans O. Kauffmann, Eggertsville, and Edward S. Shanley, Buffalo, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.

Application March 27, 1941, Serial No. 385,576

4 Claims. (Cl. 8—152)



3. The method of heating textile goods in rope form which comprises feeding an unheated rope of goods dampened with about 50 to 200% of treating solution into one end of a heating chamber having a feed end and a discharge end, the former being open to the atmosphere, completely

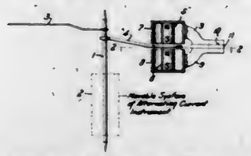
to fill the same and pack therein compactly with a bulk of goods, positively directing heating steam into the chamber and into the bulk of goods at a point sufficiently below the open feed end of the chamber to avoid loss of steam through such open feed end while the desired temperature is maintained throughout the goods and continuously withdrawing heated goods from the chamber through the discharge end at substantially the same rate as unheated goods are fed to the chamber whereby the bulk of goods moves through the chamber by gravity at a rate of speed considerably less than the rate of feed.

2,353,616
ELECTRICAL RELAY
Anthony H. Lamb, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application December 4, 1942, Serial No. 467,893
9 Claims. (Cl. 200—110)



1. A relay of the instrument type including a magnetic system comprising a core member of magnetic material and an outer member of magnetic material with surfaces spaced from opposite sides of said core member to provide arcuate gaps, the opposed surfaces of said core member and said outer member being substantially coaxial cylindrical surfaces, a coil supported for angular movement in said gaps, and a contact arm carried by said coil for cooperation with a relatively stationary contact, said relatively stationary contact being manually adjustable along the path of said contact arm; characterized by the fact that said magnetic system includes means for establishing a non-uniform and relatively fixed flux field at the arcuate gaps, said means comprising an auxiliary member of magnetic material angularly adjustable on said core member, and means for securing said auxiliary member to said core member in a desired relatively fixed position in radial alinement with the gap region occupied by the coil at a closure of said contact arm on said relatively stationary contact.

2,353,617
DAMPING DEVICE FOR ELECTRICAL INSTRUMENTS
Francis X. Lamb, East Orange, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application April 19, 1941, Serial No. 389,447
17 Claims. (Cl. 171—34)



1. Damping apparatus for the moving system of a measuring instrument, said apparatus comprising a bar magnet, shield means of magnetic material including a shell portion extending completely around and in radially spaced relation to the entire length of said bar magnet and an end portion extending across and in magnetic contact with an end of said bar magnet, and magnetic material means spaced axially from the other end of said bar magnet by a flux gap in a series magnetic circuit including said shield means, and a damping vane movable in said flux gap and secured to the moving system of the instrument.

2,353,618
DAMPING DEVICE FOR ELECTRICAL INSTRUMENTS
Francis X. Lamb, East Orange, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Original application April 19, 1941, Serial No. 389,447. Divided and this application February 24, 1942, Serial No. 432,139
7 Claims. (Cl. 171—95)



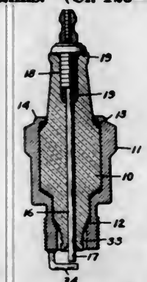
1. A magnetic damping system for a pivotally mounted instrument movement displaceable over a predetermined angular range, said damping system including a plurality of magnetic damping units spaced angularly about the pivotal axis of said instrument movement, each damping unit including a bar magnet parallel to said pivotal axis and magnetic material means spaced axially from a polar surface of the bar magnet to provide a flux gap, and a flat damping vane secured to said instrument movement for movement through said flux gaps, the angular spread of the damping vane being approximately equal to the quotient of the angular scale length of the instrument divided by the number of magnetic damping units.

2,353,619
GEOPHYSICAL PROSPECTING
Bruno Pontecorvo and Gilbert Swift, Tulsa, Okla., assignors to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application September 18, 1941, Serial No. 411,431
12 Claims (Cl. 250—83.6)



1. Apparatus useful in geophysical prospecting within a well bore that comprises a radiation detector, means for suspending said detector within a well bore, a radiation source, and means for freely suspending said source within the well bore in spaced relationship relative to the detector, said means having sufficient flexibility that the detector can move within the bore hole into close proximity to said source.

2,353,620
SPARK PLUG
George S. Weinerth, Reading, Pa.
Application June 19, 1942, Serial No. 447,721
2 Claims. (Cl. 123—169)



1. A spark plug comprising a metallic shell, an insulator projected through the shell having a reduced tip portion spaced from the shell to form a pocket therebetween, and the walls of the tip portion being serrated, whereby the continuity of a current conducting film, which might tend to adhere to said walls, is broken, said tip portion having a conical recess in the outer end thereof.

2,353,621
DUST INDICATOR FOR AIR-METHOD CLEANING SYSTEMS
Daniel Benson Replogle, Berkeley, Calif.; Bank of America National Trust and Savings Association, Carl S. Replogle, Harold E. Queen, and Laurie H. Bullock, executors of said Daniel Benson Replogle, deceased, assignors to The Ohio Citizens Trust Company, Toledo, Ohio, a corporation of Ohio, trustee
Application October 13, 1941, Serial No. 414,858
7 Claims. (Cl. 302—65)



1. A dust indicator for a suction cleaning system, comprising a globular element having a concave transparent interior wall portion, and having an inlet for dust laden air and an air outlet, and deflecting means located between the inlet and outlet for directing entering dust laden air against the concave interior of the globular wall and for producing a whirling movement of the air and dust prior to passage to the outlet, said deflecting means comprising an imperforate ring non-rotatably fixed within the globular element and so inclined with reference to the air inlet that the entering air impinges angularly upon the ring and the dust contained therein is directed against the curved interior wall, said ring having a central opening to allow passage of air to the outlet opening, said globular element being composed of two halves, one being bowl shaped and carrying an inlet and an outlet pipe, and the other constituting the cover for the bowl member.

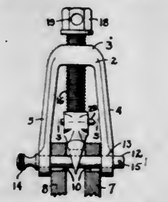
2,353,622
SADDLE CONSTRUCTION
Jasper Reese Boyle, Maricopa County, Ariz.
Application April 15, 1942, Serial No. 439,041
1 Claim. (Cl. 54—44)

Saddle construction comprising, in combination, a saddle tree having rails, forward and rear plates attached to each of said rails, adapted to contact the horse's back and conform to the contour of the area of contact, universal ball



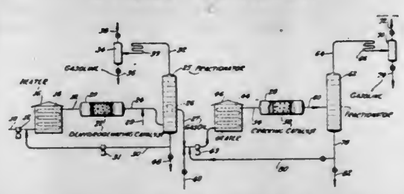
and socket joints supporting said plates on said rails, and pliant thongs interconnecting plates on each side, to resiliently limit rotative movement thereof.

2,353,623
FLANGE SPREADER
Joseph Saul, Pasadena, Tex., assignor to Gearench Manufacturing Company, Houston, Tex., a corporation of Texas
Original application November 30, 1939, Serial No. 306,808. Divided and this application June 2, 1941, Serial No. 396,265
3 Claims. (Cl. 254—100)



1. A flange spreader including a yoke shaped body, a spindle threaded thru the base of the yoke, a pair of spaced arms forming the sides of said yoke to straddle the flanges to be spread, means to attach said arms to the flanges, and means on said spindle to penetrate between the flanges to spread them apart as said spindle is advanced, said first means including a bolt to pass thru said flanges.

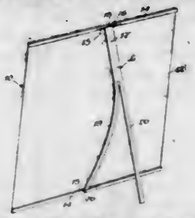
2,353,624
TREATING HYDROCARBON FLUIDS
Robert F. Ruthruff, Nutley, N. J.
Application June 6, 1939, Serial No. 277,580
11 Claims. (Cl. 196—52)



11. The process for treating hydrocarbons to produce lower boiling hydrocarbons which comprises contacting a relatively heavy hydrocarbon oil in the vapor phase with a dehydrogenating catalyst comprising a heavy metallic chromite selected from the group consisting of lead zinc chromite, copper barium chromite and nickel barium chromite under conditions of temperature, pressure and time suitable to effect substantial cracking of said oil to lower boiling normally liquid products boiling predominantly above the gasoline boiling range and below the boiling range

of said heavy oil, fractionating the products of said conversion treatment to separate therefrom a light fraction comprising gasoline constituents, a heavy fraction comprising a relatively heavy oil and an intermediate fraction consisting of a relatively light condensate oil boiling above the gasoline boiling range and having a boiling range substantially lower than that of said first-mentioned heavy oil, and contacting said light condensate oil with a cracking catalyst in the absence of either of said relatively heavy hydrocarbon oils under conditions of pressure, temperature and time suitable to effect substantial conversion of said light oil to lower boiling products within the gasoline boiling range.

2,353,625
EASEL
Sewell P. Moore, Palisade, N. J., assignor to Richard Heinz, New York, N. Y.
Application January 8, 1942, Serial No. 426,060
4 Claims. (Cl. 40—125)



1. An easel or the like, comprising a display panel formed of a flexible sheet of material and having a frame strip along its upper and lower edges, a unitary bracing and supporting standard having a portion releasably engageable with the frame strips for holding the panel in extended relationship and for supporting it in an upright position, said frame strips being formed with elongated recesses in their confronting edges and with sockets adapted to accommodate the ends of the bracing and supporting standard extending angularly inwardly from the central portion of the recesses, and the recesses being of greater width than the end of the standard so that the said ends may slide laterally therein until engaged in the sockets.

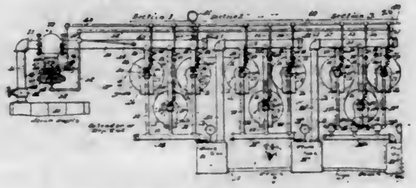
2,353,626
WEAR COMPENSATING THREAD GAUGE
David R. Schmaars, New Hyde Park, N. Y.
Application March 16, 1943, Serial No. 479,313
6 Claims. (Cl. 33—199)

1. A device for the purposes described comprising a circular gauge body having a central gauge opening, said body being suitably slotted radially to permit contraction thereof and of its gauge opening, said body having a screw-threaded conical external edge, a rotative adjusting ring having a correspondingly screw-threaded conical in-



ternal edge engaged with said body edge, and releasable means to exert a lateral expanding thrust upon said body, whereby to bind the threaded edge of the same to the threaded internal edge of said ring so as to secure said body and ring against rotative displacement from selected relatively adjusted positions.

2,353,627
HEAT CONTROL SYSTEM
Samuel P. Miller, Chicago, Ill.
Application May 20, 1942, Serial No. 443,706
23 Claims. (Cl. 237—9)

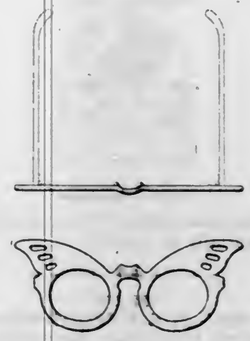


2. In a heat transfer system, a heat transfer element having supply and exhaust sides a primary steam supply line and a secondary steam line connected to the supply line and to the element, a regulating valve interposed between said primary and secondary lines, pressure actuated control means for said regulating valve connected to the secondary steam line and exhaust sides of the element, said control means adapted to maintain said regulating valve in a predetermined position determined by the average pressure in the secondary steam line and means to open said valve upon the pressure in the secondary line or in the supply or exhaust sides of the element receding below said average pressure.

DESIGNS

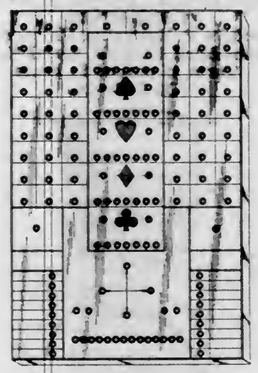
JULY 11, 1944

138,219
DESIGN FOR AN EYEGLASS FRAME
Juliette Bendix and Edouard Halouze, New York, N. Y.
Application October 30, 1943, Serial No. 111,545
Term of patent 7 years
(Cl. D57—1)



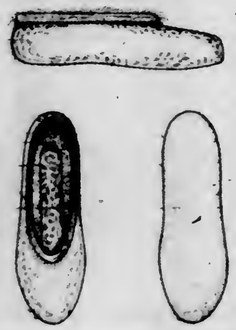
The ornamental design for an eyeglass frame, substantially as shown and described.

138,220
DESIGN FOR A BRIDGE SCORER
Robert H. Benson, Minneapolis, and Dean Root, St. Paul, Minn.
Application September 20, 1943, Serial No. 111,168
Term of patent 3½ years
(Cl. D34—5)



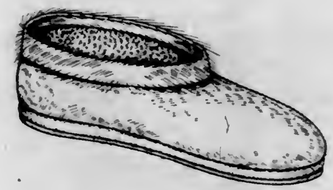
The ornamental design for a bridge scorer, as shown.

138,221
DESIGN FOR AN ALPACA FUR SLIPPER
Alexander Camerle, New York, N. Y.
Application April 18, 1944, Serial No. 113,294
Term of patent 3½ years
(Cl. D7—7)



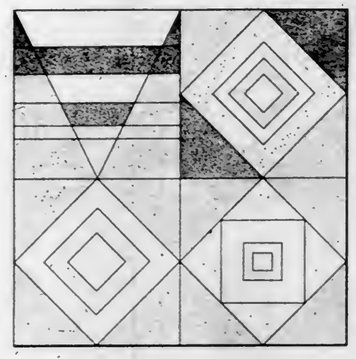
The ornamental design for an alpaca fur slipper, substantially as shown.

138,222
DESIGN FOR AN ALPACA FUR AND LAMBSKIN SLIPPER
Alexander Camerle, New York, N. Y.
Application April 18, 1944, Serial No. 113,295
Term of patent 3½ years
(Cl. D7—7)



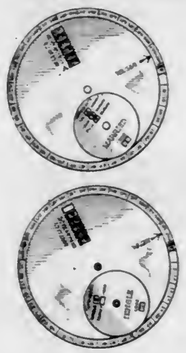
The ornamental design for an alpaca fur and lambskin slipper, substantially as shown.

138,223
DESIGN FOR A GAME BOARD
Alfred W. Glenn, Chicago, Ill.
Application April 11, 1944, Serial No. 113,217
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a game board, as shown and described.

138,224
DESIGN FOR A TAX CALCULATOR
Arthur A. Golub, Malverne, and Zoltan Hartmann, Baldwin, N. Y.
Application September 22, 1943, Serial No. 111,190
Term of patent 3½ years
(Cl. D52—1)



The ornamental design for a tax calculator, substantially as shown.

138,225
DESIGN FOR AN EDUCATIONAL DEVICE
John V. Horr, North Tarrytown, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application March 28, 1944, Serial No. 113,056
Term of patent 14 years
(Cl. D25—1)



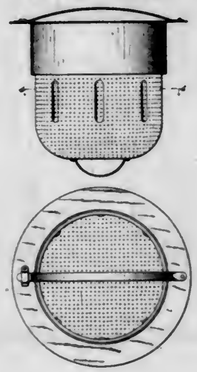
The ornamental design for an educational device, substantially as shown.

138,226
DESIGN FOR A SPIRIT LEVEL
William Arthur Honeyman, San Francisco, Calif.
Application April 15, 1944, Serial No. 113,251
Term of patent 7 years
(Cl. D52—1)

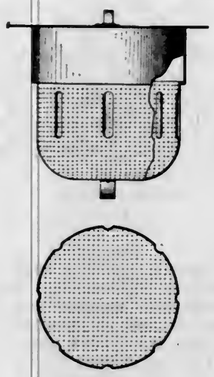


The ornamental design for a spirit level, as shown.

138,227
DESIGN FOR A COFFEE STRAINING CONTAINER
Theodore P. Kouvallis, Chicago, Ill.
Application April 11, 1944, Serial No. 113,219
Term of patent 14 years
(Cl. D44—26)



138,227—Continued



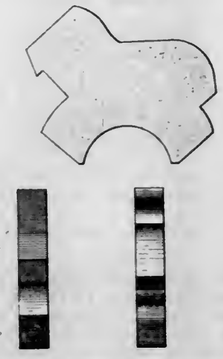
The ornamental design for a coffee straining container, as shown.

138,228
DESIGN FOR A TOY ERECTOR BLOCK
Eoina Nudelman, Chicago, Ill.
Application April 24, 1944, Serial No. 113,350
Term of patent 7 years
(Cl. D34—15)



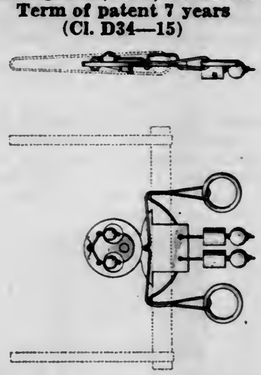
The ornamental design for a toy erector block, as shown.

138,229
DESIGN FOR A TOY ANIMAL BLOCK
Eoina Nudelman, Chicago, Ill.
Application April 24, 1944, Serial No. 113,351
Term of patent 7 years
(Cl. D34—2)



The ornamental design for a toy animal block, as shown.

138,230
DESIGN FOR AN INFANT'S SUSPENSION BAR TOY
Eoina Nudelman, Chicago, Ill.
Application April 24, 1944, Serial No. 113,352
Term of patent 7 years
(Cl. D34—15)



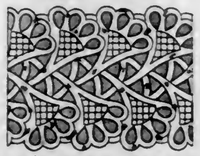
The ornamental design for an infant's suspension bar toy, as shown and described.

138,231
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application April 17, 1944, Serial No. 113,282
Term of patent 3½ years
(Cl. D92—1)



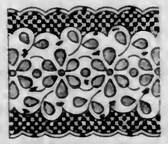
The ornamental design for an embroidered trimming or similar article, substantially as shown.

138,232
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application April 17, 1944, Serial No. 113,283
Term of patent 3½ years
(Cl. D92—1)



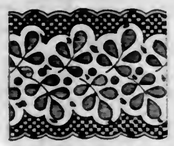
The ornamental design for an embroidered trimming or similar article, substantially as shown.

138,233
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application April 17, 1944, Serial No. 113,284
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered trimming or similar article, substantially as shown.

138,234
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application April 17, 1944, Serial No. 113,285
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered trimming or similar article, substantially as shown.

138,235
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application April 27, 1944, Serial No. 113,391
Term of patent 3½ years
(Cl. D92—1)



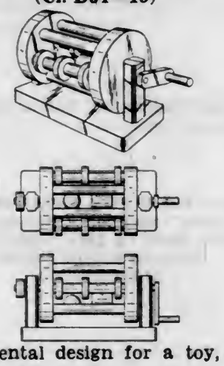
The ornamental design for an embroidered trimming or similar article, substantially as shown.

138,236
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application April 27, 1944, Serial No. 113,392
Term of patent 3½ years
(Cl. D92—1)



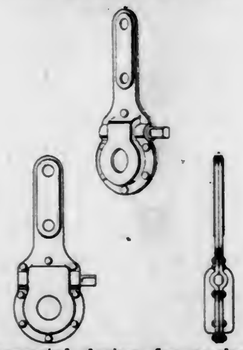
The ornamental design for an embroidered trimming or similar article, substantially as shown.

138,237
DESIGN FOR A TOY
Frank L. Weireter, Minneapolis, Minn., assignor to Fibro Container Corporation, Minneapolis, Minn., a corporation of Minnesota
Application March 27, 1944, Serial No. 113,053
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy, as shown.

138,238
DESIGN FOR A SLACK ADJUSTER FOR BRAKES OR THE LIKE
Einar Almdale, Rocky River, Ohio
Application July 3, 1943, Serial No. 110,594
Term of patent 14 years
(Cl. D55—1)



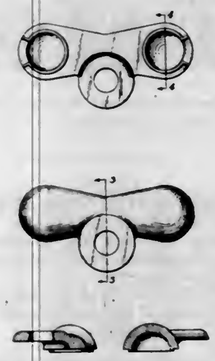
The ornamental design for a slack adjuster for brakes or the like, substantially as shown.

138,239
DESIGN FOR A SWIVEL BODY ELEMENT
Fred E. Anderson, Taft, Oreg.
Application January 19, 1944, Serial No. 112,262
In Canada September 2, 1943
Term of patent 3½ years
(Cl. D55—1)



The ornamental design for a swivel body element, as shown.

138,240
DESIGN FOR A SWIVEL BODY MEMBER
Fred E. Anderson, Taft, Oreg.
Application January 19, 1944, Serial No. 112,263
In Canada August 30, 1943
Term of patent 3½ years
(Cl. D55—1)



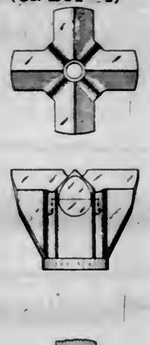
The ornamental design for a swivel body member, as shown.

138,241
DESIGN FOR A SWIVEL BODY ELEMENT
Fred E. Anderson, Taft, Oreg.
Application January 19, 1944, Serial No. 112,264
In Canada August 30, 1943
Term of patent 14 years
(Cl. D55—1)



The ornamental design for a swivel body element, as shown.

138,242
DESIGN FOR A DRILL BIT
John B. Baker, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application April 17, 1944, Serial No. 113,269
Term of patent 14 years
(Cl. D54—4)



The ornamental design for a drill bit, as shown.

138,243
DESIGN FOR A COMB
Siegfried Behr, Flushing, N. Y.
Application November 3, 1943, Serial No. 111,580
Term of patent 14 years
(Cl. D86—8)



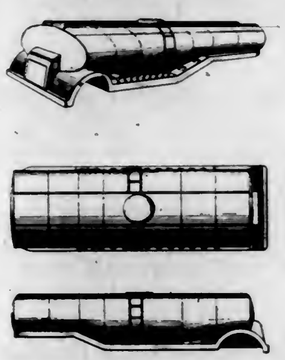
The ornamental design for a comb, substantially as shown.

138,244
DESIGN FOR A LIQUID EDUCTOR
Philip Berman, New York, N. Y.
Application March 27, 1944, Serial No. 113,046
Term of patent 14 years
(Cl. D91—1)



The ornamental design for a liquid eductor, as shown.

138,245
DESIGN FOR A TRAILER TANK
Ralph A. Bradley, Minneapolis, Minn.
Application March 31, 1944, Serial No. 113,094
Term of patent 7 years
(Cl. D14—3)



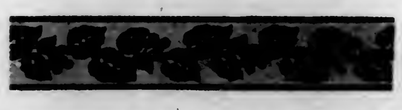
The ornamental design for a trailer tank, as shown.

138,246
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,642
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,247
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,645
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,248
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,646
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,249
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,649
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,250
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,651
Term of patent 7 years
(Cl. D59—10)



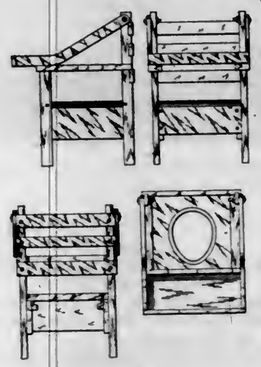
The ornamental design for wallpaper border or similar article, as shown.

138,251
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,657
Term of patent 7 years
(Cl. D59—10)



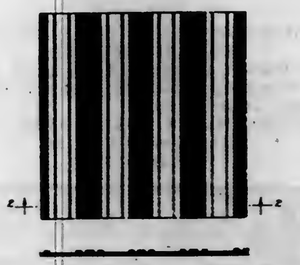
The ornamental design for wallpaper border or similar article, as shown.

138,252
DESIGN FOR A CHILD'S TOILET CHAIR
Walter Jones, Edwardsville, Ill., assignor to Illinois Lumber Company, Incorporated, Edwardsville, Ill., a corporation of Illinois
Application April 3, 1944, Serial No. 113,122
Term of patent 3½ years
(Cl. D15—1)



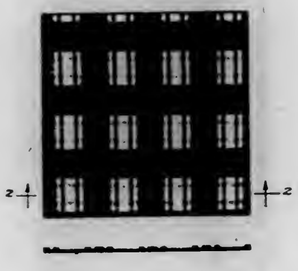
The ornamental design for a child's toilet chair, substantially as shown.

138,253
DESIGN FOR A TEXTILE FABRIC
Adolph M. Kemper, Larchmont, N. Y.
Application March 13, 1944, Serial No. 112,886
Term of patent 7 years
(Cl. D92—1)



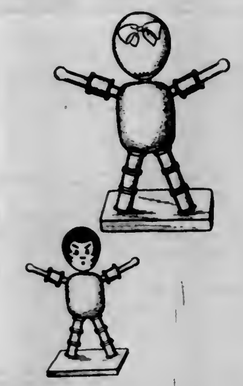
The ornamental design for a textile fabric, substantially as shown and described.

138,254
DESIGN FOR A TEXTILE FABRIC
Adolph M. Kemper, Larchmont, N. Y.
Application March 13, 1944, Serial No. 112,887
Term of patent 7 years
(Cl. D92—1)



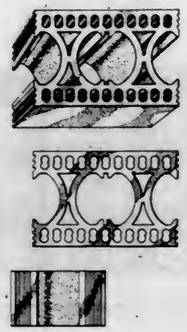
The ornamental design for a textile fabric, substantially as shown and described.

138,255
DESIGN FOR A SEWING ACCESSORY OR SIMILAR ARTICLE
Joy Mariani, New York, N. Y.
Application November 8, 1943, Serial No. 111,622
Term of patent 7 years
(Cl. D3—19)



The ornamental design for a sewing accessory or similar article, substantially as shown.

138,256
DESIGN FOR A WALL TILE
James N. McCammon, Dallas, Tex.
Application October 25, 1943, Serial No. 111,495
Term of patent 14 years
(Cl. D18—2)



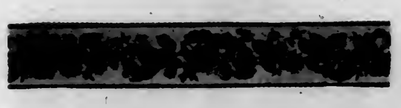
The ornamental design for a wall tile, as shown.

138,257
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,659
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,258
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,660
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,259
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,662
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,260
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,663
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,261
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,667
Term of patent 7 years
(Cl. D59—10)



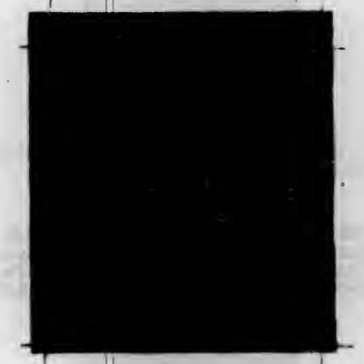
The ornamental design for wallpaper border or similar article, as shown.

138,262
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,668
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,263
DESIGN FOR AN EMBOSSED LEATHER
Leonard I. Freedman, New York, N. Y.
Application January 26, 1944, Serial No. 112,335
Term of patent 7 years
(Cl. D87—3)





The ornamental design for an embossed leather, substantially as shown and described.

138,264
DESIGN FOR AN EMBOSSED LEATHER
Leonard I. Freedman, Brooklyn, N. Y.
Application May 4, 1944, Serial No. 113,470
Term of patent 7 years
(Cl. D87—3)



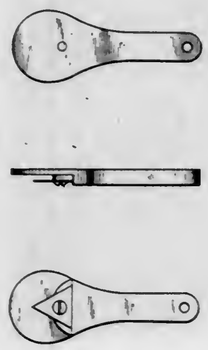
The ornamental design for an embossed leather, substantially as shown and described.

138,265
DESIGN FOR AN EMBOSSED LEATHER OR SIMILAR ARTICLE
Leonard I. Freedman, New York, N. Y.
Application May 10, 1944, Serial No. 113,535
Term of patent 7 years
(Cl. D87—3)



The ornamental design for an embossed leather or similar article, substantially as shown.

138,266
DESIGN FOR A CARTON OPENER OR SIMILAR ARTICLE
Walter J. Guenther, Fort Madison, Iowa
Application April 13, 1944, Serial No. 113,235
Term of patent 14 years
(Cl. D22—2)



The ornamental design for a carton opener or similar article, as shown.

138,267
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 10, 1944, Serial No. 113,541
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

138,268
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 10, 1944, Serial No. 113,542
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

138,269
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 13, 1944, Serial No. 113,583
Term of patent 7 years
(Cl. D92—26)



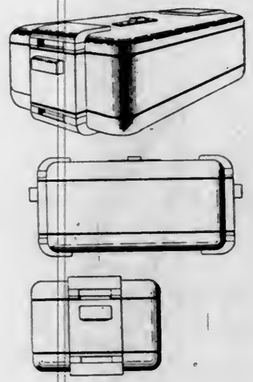
The ornamental design for a lace tablecloth, substantially as shown and described.

138,270
DESIGN FOR A PIN OR THE LIKE
Samuel B. Shapiro, Mattapan, Mass.
Application April 2, 1942, Serial No. 106,439
Term of patent 3½ years
(Cl. D45—19)



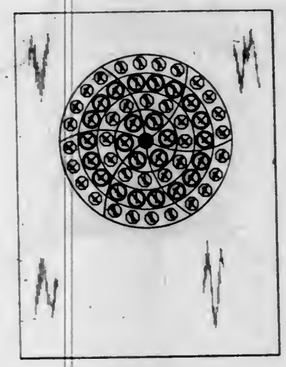
The ornamental design for a pin or the like, as shown.

138,271
DESIGN FOR A COMBINED ELECTRIC ROASTER AND COOKER
Juan Springwell, Detroit, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Maine
Application October 25, 1943, Serial No. 111,498
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a combined electric roaster and cooker, substantially as shown.

138,272
DESIGN FOR A TARGET GAME BOARD
Eldridge B. Taylor, Cleveland, Ohio
Application March 11, 1944, Serial No. 112,876
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a target game board, substantially as shown and described.

138,273
DESIGN FOR PAPER OR THE LIKE
Errington A. Whiteford, Darien, Conn.
Application May 10, 1944, Serial No. 113,538
Term of patent 7 years
(Cl. D59—5)



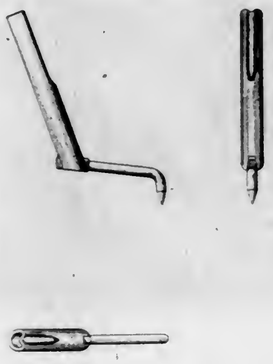
The ornamental design for paper or the like, as shown.

138,274
DESIGN FOR A LACE TABLECLOTH
William Wolf, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 10, 1944, Serial No. 113,540
Term of patent 7 years
(Cl. D92—26)



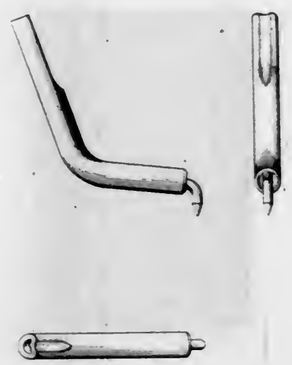
The ornamental design for a lace tablecloth, substantially as shown and described.

138,275
DESIGN FOR A PHONOGRAPH STYLUS
Lloyd J. Andres, Chicago, Ill., assignor to Permo, Incorporated, Chicago, Ill., a corporation of Illinois
Application March 30, 1944, Serial No. 113,090
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a phonograph stylus, as shown.

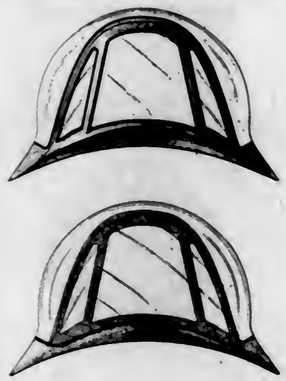
138,276
DESIGN FOR A PHONOGRAPH STYLUS
Lloyd J. Andres, Chicago, Ill., assignor to Permo, Incorporated, Chicago, Ill., a corporation of Illinois
Application March 30, 1944, Serial No. 113,091
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a phonograph stylus, as shown.

138,277
DESIGN FOR A COMBINATION AIRCRAFT CANOPY AND WINDSHIELD
Murray Berkow, Flushing Heights, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application January 22, 1944, Serial No. 112,303
Term of patent 14 years
(Cl. D71—1)





The ornamental design for a combination aircraft canopy and windshield, substantially as shown.

138,278
DESIGN FOR A BOTTLE
George Grunberg, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio, a corporation of Ohio
Application May 2, 1944, Serial No. 113,427
Term of patent 7 years
(Cl. D58—8)



The ornamental design for a bottle, substantially as shown.

138,279
DESIGN FOR A BOTTLE
George Grunberg, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio, a corporation of Ohio
Application May 2, 1944, Serial No. 113,428
Term of patent 7 years
(Cl. D58—8)



The ornamental design for a bottle, substantially as shown.

138,280
DESIGN FOR A BOTTLE STOPPER
George Grunberg, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio, a corporation of Ohio
Application May 2, 1944, Serial No. 113,430
Term of patent 7 years
(Cl. D58—10)



The ornamental design for a bottle stopper, substantially as shown.

138,281
DESIGN FOR A COMBINED BOTTLE AND STOPPER
George Grunberg, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio, a corporation of Ohio
Application May 2, 1944, Serial No. 113,431
Term of patent 7 years
(Cl. D58—8)



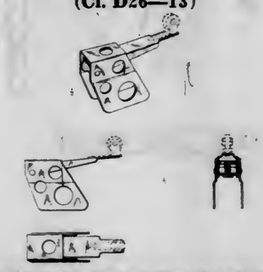
The ornamental design for a combined bottle and stopper, substantially as shown.

138,282
DESIGN FOR A DRESS
David Minchenberg, New York, N. Y.
Application May 4, 1944, Serial No. 113,458
Term of patent 14 years
(Cl. D3—26)



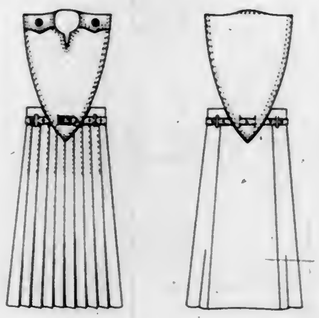
The ornamental design for a dress, substantially as shown.

138,283
DESIGN FOR A SWITCH ACTUATOR
Stafford G. Ransome, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application April 24, 1944, Serial No. 113,354
Term of patent 7 years
(Cl. D26—13)



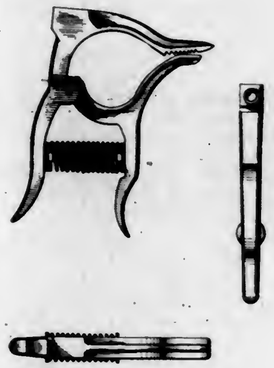
The ornamental design for a switch actuator, substantially as shown and described.

138,284
DESIGN FOR A DRESS
Ronnye Ryan, St. Louis, Mo.
Application May 30, 1944, Serial No. 113,816
Term of patent 3½ years
(Cl. D3—26)



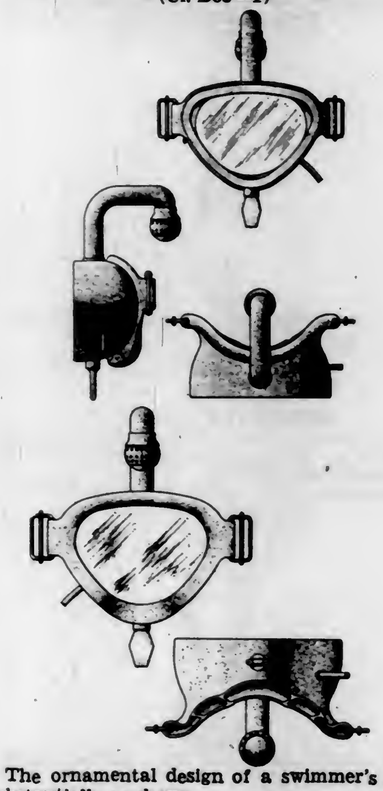
The ornamental design for a dress, substantially as shown.

138,285
DESIGN FOR AN ELECTRIC GROUND CLAMP OR SIMILAR ARTICLE
Lawrence Oscar Schneiderwind, Omaha, Nebr.
Application April 3, 1944, Serial No. 113,127
Term of patent 3½ years
(Cl. D26—1)



The ornamental design for an electric ground clamp or similar article, substantially as shown.

138,286
DESIGN FOR A SWIMMER'S MASK
Charles H. Wilen, Laguna Beach, Calif.
Application April 18, 1944, Serial No. 113,301
Term of patent 14 years
(Cl. D83—1)



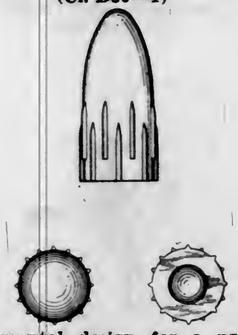
The ornamental design of a swimmer's mask, substantially as shown.

138,287
DESIGN FOR A SMOKING PIPE BLASTER
Robert D. Jones, Charleston, W. Va.
Application October 15, 1943, Serial No. 111,369
Term of patent 14 years
(Cl. D85—7)



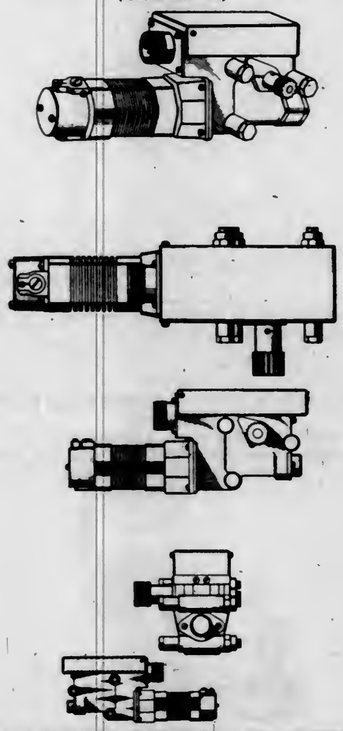
The ornamental design for a smoking pipe blaster, as shown.

138,288
DESIGN FOR A PROJECTILE
Norman W. La Clair, Forest Lake, Minn.
Application October 25, 1943, Serial No. 111,492
Term of patent 14 years
(Cl. D30—1)



The ornamental design for a projectile, as shown.

138,289
DESIGN FOR A POWER UNIT WITH LIMIT SWITCH CONTROL
William P. Lear, Piqua, Ohio, assignor to Lear Avia, Inc., Piqua, Ohio, a corporation of Illinois
Application June 9, 1943, Serial No. 110,409
Term of patent 14 years
(Cl. D26—5)



The ornamental design for a power unit with limit switch control, substantially as shown.

138,290
DESIGN FOR A PUPPET TOY
Robert K. Ostrander, South Orange, N. J., assignor to Badger Cut Outs, Inc., Maspeth, Long Island, N. Y., a corporation of New York
Application November 15, 1943, Serial No. 111,696
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a puppet toy, as shown and described.

138,291
DESIGN FOR A PUPPET TOY
Robert K. Ostrander, South Orange, N. J., assignor to Badger Cut Outs, Inc., Maspeth, Long Island, N. Y., a corporation of New York
Application November 15, 1943, Serial No. 111,697
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a puppet toy, as shown and described.

138,292
DESIGN FOR A PUPPET TOY
Robert K. Ostrander, South Orange, N. J., assignor to Badger Cut Outs, Inc., Maspeth, Long Island, N. Y., a corporation of New York
Application November 15, 1943, Serial No. 111,698
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a puppet toy, as shown and described.

138,293
DESIGN FOR A PUPPET TOY
Robert K. Ostrander, South Orange, N. J., assignor to Badger Cut Outs, Inc., Maspeth, Long Island, N. Y., a corporation of New York
Application November 15, 1943, Serial No. 111,699
Term of patent 14 years
(Cl. D34—15)



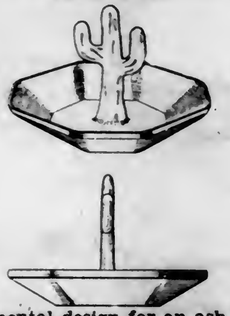
The ornamental design for a puppet toy, as shown and described.

138,294
DESIGN FOR A PUPPET TOY
Robert K. Ostrander, South Orange, N. J., assignor to Badger Cut Outs, Inc., Maspeth, Long Island, N. Y., a corporation of New York
Application November 15, 1943, Serial No. 111,700
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a puppet toy, as shown and described.

138,295
DESIGN FOR AN ASH TRAY OR THE LIKE
Eleanor R. Wood, Beverly Hills, Calif.
Application June 19, 1943, Serial No. 110,483
Term of patent 14 years
(Cl. D85—2)



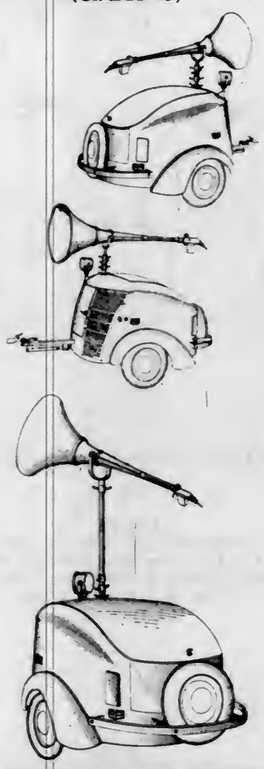
The ornamental design for an ash tray or the like, substantially as shown.

138,296
DESIGN FOR A PENCIL ERASER OR SIMILAR ARTICLE
Robert L. Atkinson, Lockport, N. Y.
Application February 7, 1944, Serial No. 112,503
Term of patent 14 years
(Cl. D74—7)



The ornamental design for a pencil eraser or similar article, substantially as shown.

138,297
DESIGN FOR A MOBILE SOUND PROJECTOR
William C. Eaves, Elyria, Ohio, assignor to Eaves Sound Projectors, Inc., Dover, Del., a corporation of Delaware
Application October 14, 1943, Serial No. 111,358
Term of patent 14 years
(Cl. D14—3)



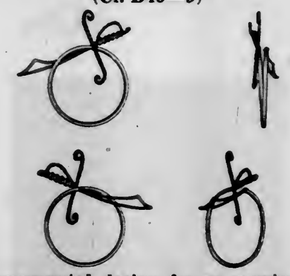
The ornamental design for a mobile sound projector, as shown.

138,298
DESIGN FOR AN ASH TRAY
Samuel L. Gerson, Bridgeton, N. J.
Application May 4, 1944, Serial No. 113,477
Term of patent 7 years
(Cl. D85—2)



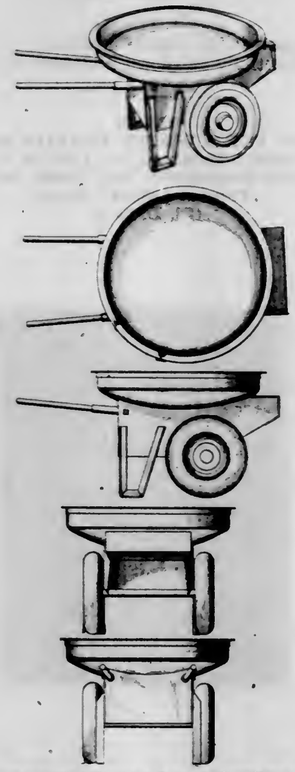
The ornamental design for an ash tray, as shown.

138,299
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Dan Kritzler, New York, N. Y.
Application June 6, 1944, Serial No. 113,872
Term of patent 3½ years
(Cl. D45—9)



The ornamental design for an earring or similar article, as shown.

138,300
DESIGN FOR A WHEELBARROW
Walter F. Piper and Joseph J. Soldat, Chicago, Ill., assignors to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois
Application April 24, 1944, Serial No. 113,353
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a wheelbarrow, substantially as shown.

138,301
DESIGN FOR A WOVEN TEXTILE FABRIC
John L Walther, New York, N. Y.
Application December 9, 1943, Serial No. 111,964
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a woven textile fabric, substantially as shown and described.

138,302
DESIGN FOR A WOVEN TEXTILE FABRIC
John L Walther, New York, N. Y.
Application December 9, 1943, Serial No. 111,970
Term of patent 7 years
(Cl. D92—1)



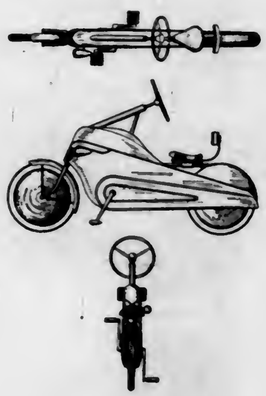
The ornamental design for a woven textile fabric, substantially as shown and described.

138,303
DESIGN FOR A COAT
Simon Beck, New York, N. Y.
Application June 8, 1944, Serial No. 113,906
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

138,304
DESIGN FOR A BICYCLE
Earl S. Boynton, East Orange, N. J.
Application March 7, 1944, Serial No. 112,812
Term of patent 14 years
(Cl. D90—8)



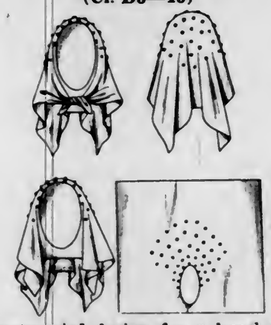
The ornamental design for a bicycle, substantially as shown.

138,305
DESIGN FOR A COAT
Angelo Del Re, New York, N. Y.
Application June 9, 1944, Serial No. 113,927
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

138,306
DESIGN FOR A HEAD SCARF
Kay Fuchs, New York, N. Y.
Application May 24, 1944, Serial No. 113,736
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a head scarf, substantially as shown.

138,307
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application June 3, 1944, Serial No. 113,843
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

138,308
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application June 3, 1944, Serial No. 113,844
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

Patents Nos. 2,353,628 to 2,354,178

THE OFFICIAL GAZETTE OF THE United States Patent Office

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July 18, 1944

Trade-Marks	110	No. 408,045 to No. 408,154, inclusive.
T. M. Renewals	88	
Reissues	3	No. 22,517 to No. 22,519, inclusive.
Patents	551	No. 2,353,628 to No. 2,354,178, inclusive.
Designs	53	No. 138,309 to No. 138,361, inclusive.
Total	805	

Adverse Decisions in Interference

In interference involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,333,913, V. O. Beam, Valve mechanism, decided June 16, 1944, claims 1, 2, and 5.

Pat. 2,209,292, J. H. Berger, Abrasive and process of producing same, decided April 26, 1944, claim 1.

Examiners' Letters and Amendments

Examiners are directed to recite in each letter in an application the date of the action by the applicant to which it is a reply, and applicants are requested to indicate in their actions on an application the date of the last Office letter.

Adjudicated Patents

(D. C. Ill.) Copeman reissue patent, No. 17,278, for sharp freezing container for mechanical refrigerators, *Held* invalid. *Copeman Laboratories Co.* v. *General Plastics Corporation*, 54 F. Supp. 1018.

(D. C. Ill.) Copeman reissue patent, No. 17,279, for sharp freezing container for mechanical refrigerators, *Held* invalid. *Id.*

Disclaimer

2,139,362.—*Ralph J. Getty*, Pittsburgh, Pa. Method and Apparatus for Manufacturing Pottery Articles. Patent dated December 6, 1938. Disclaimer filed June 17, 1944, by the assignee, *William J. Miller*.

Hereby enters this disclaimer to claims 5, 6, and 9 in said specification.

Photostat Copies

In ordering photostat copies of United States and foreign patents, when only the number of the patent is given, the whole patent, comprising specification and drawing, will be furnished, unless the order specifically states that the "specification only" or "drawing only" is required. Care should be taken in making out orders for foreign patents to give the year of the patent, as in old French and British patents the same number may appear in different years.

Rule 72

Rule 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the paper which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

Condition of Applications Under Examination at Close of Business June 30, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,938; Trade-Mark Division, 1,526. Oldest new case, June 30, 1943; oldest amended, Aug. 11, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders: Baths, Closets, Sinks, and Spittons; Sewerage.	Dec. 3	†Jan. 24	450
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Nov. 30	Dec. 4	600
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Nov. 25	Nov. 25	985
4. BISHOP, WALTER C., Conveyors; Hoists; Handing Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	†Jan. 20	†Jan. 14	497
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Oct. 1	Oct. 2	1,220
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 10	†Jan. 6	1,141
7. JARBOE, C. G., Optics, Photography	†Feb. 17	†Feb. 14	733
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Feb. 1	Dec. 20	522
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	†Jan. 15	†Jan. 6	694
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Mar. 7	†Mar. 3	261
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Sept. 30	Sept. 18	1,071
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	†Jan. 22	†Jan. 22	584
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	†Feb. 12	†Feb. 4	647
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	†Feb. 5	†Jan. 20	740
16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 31	†Jan. 20	584
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 15	Oct. 4	207
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Aug. 9	Aug. 20	671
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	†Jan. 15	Dec. 22	526
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Feb. 15	†Jan. 3	388
21. THOMPSON, T. J., Textiles	Dec. 31	Nov. 30	429
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 11	Nov. 17	1,073
23. BARROWS, B., Cash Registers; Calculators (part)	Oct. 28	Aug. 12	170
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 4	†Feb. 5	520
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Dec. 6	Dec. 21	744
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 6	Oct. 4	933
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 22	Oct. 4	476
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Nov. 19	Oct. 19	729
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	†Jan. 13	†Jan. 19	743
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Oct. 4	Sept. 20	1,080
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Jan. 22	†Jan. 7	1,061
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells, Earth Boring.	Dec. 4	Dec. 20	678
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Feb. 21	†Feb. 19	640
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	†Jan. 15	†Jan. 10	593
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	†Feb. 28	†Feb. 28	527
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	†Feb. 1	†Jan. 24	436
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 16	Nov. 16	758
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Oct. 25	Oct. 21	515
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	†Jan. 3	†Jan. 13	696
40. DRUMMOND, E. J., Receptacles (part): Packages	†Feb. 9	†Feb. 5	625
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 6	Oct. 28	411
42. MARANS, H., Electric Signaling	†Feb. 17	†Feb. 22	324
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 10	Dec. 13	731
44. HARVEY, L. P., Refrigeration; Preserving	Oct. 6	Oct. 21	418
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors	Dec. 15	Dec. 17	1,040
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 10	Nov. 8	488
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 31	Dec. 9	622
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Dec. 7	Dec. 7	783
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Dec. 27	Dec. 31	649
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Dec. 20	Dec. 20	1,428
51. CROCKER, A. W., Radiant Energy; Multiplex Telephony, Modulators	Nov. 23	Nov. 17	1,381
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Nov. 29	Dec. 3	874
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	†Feb. 24	Nov. 16	446
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	June 30	Aug. 11	846
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 21	Oct. 15	614
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Dec. 2	Nov. 25	778
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	July 28	Oct. 23	802
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 6	†Jan. 8	677
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Nov. 6	Nov. 5	1,416
60. GLASS, R. L., Electricity Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 21	Oct. 21	857
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	†Feb. 10	†Jan. 24	472
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Jan. 26	Dec. 7	927
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Nov. 4	Oct. 18	934
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Feb. 7	†Feb. 10	988
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 4	Sept. 6	887
TRADE-MARKS: RICHMOND, F. A.	†May 2	†May 3	1,636
DESIGNS: KALUPY, H. H.	†May 18	†June 7	668

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adrienne Handbags, Boston, Mass. Ladies' handbags. Serial No. 470,786; July 18. Class 3.

American Lead Pencil Company, Hoboken, N. J. Fountain pens. Serial No. 466,715; July 18. Class 37.

American Oil Company, The, Baltimore, Md. Motor fuel gasolene. Serial No. 470,168; July 18. Class 15.

American Women's Voluntary Services, Inc., New York, N. Y. Women's and misses' suits and dresses. Serial No. 459,392; July 18. Class 39.

Architector Company, New York, N. Y. Toy building sets. Serial No. 469,320; July 18. Class 22.

Aridye Corporation, Fair Lawn, N. J. Dry dyestuffs and dyestuff dispersions. Serial Nos. 469,860–1; July 18. Class 6.

Armand Company, The, Des Moines, Iowa. Antiseptic solution. Serial No. 469,862; July 18. Class 6.

Arrow Liqueurs Corporation, Detroit, Mich. Liqueurs and cordials. Serial No. 469,827; July 18. Class 49.

Artograph Company, Brooklyn, N. Y. Mechanically produced pictures. Serial No. 468,552; July 18. Class 38.

Astlett, H. A., & Co., New York, N. Y. Razors and razor blades. Serial No. 469,107; July 18. Class 23.

Barnes, W. F. and John, Company, The, Rockford, Ill. Lens polishing material. Serial No. 465,791; July 18. Class 4.

Beckett, Thomas G., Dallas, Tex. Evaporative cooling units, lamp reflectors, shades and screens. Serial No. 468,590; July 18. Class 34.

Beech-Nut Packing Company, Canajoharie, N. Y. Chewing gum. Serial No. 470,295; July 18. Class 46.

Bell, Bonne, Inc., Cleveland, Ohio. Cosmetic foundation lation. Serial No. 469,619; July 18. Class 6.

Benezet, Albert T., doing business as Zet Cleaning Pad Co., Wildwood, N. J. Household cleanser. Serial No. 468,773; July 18. Class 4.

Burry, George W., doing business as The Lucident Co., Elizabeth, N. J. Product for destroying kitchen odors. Serial No. 469,722; July 18. Class 6.

Bush, Guy D., doing business as Bush's Nursery, Minneapolis, Minn. Mock orange shrubs. Serial No. 469,353; July 18. Class 1.

Bush's Nursery. (See Bush, Guy D.)

Canadian Radium & Uranium Corporation, New York, N. Y. Medicinal ointment. Serial No. 469,892; July 18. Class 6.

Celanese Corporation of America, New York, N. Y. Aggregate or bundle of continuous filaments. Serial No. 465,122; July 18. Class 1.

Cellosilk Mfg. Company, The, Barrington, Ill. Chemical tissue. Serial No. 470,558; July 18. Class 44.

Charmin' Initials Co. (See Pinkus, Harold N.)

Circulex Corporation Limited, Toronto, Ontario, Canada. Electrically operated vibratory therapeutic machines. Serial No. 469,383; July 18. Class 44.

Col-Mac Company, Westbury, Long Island, N. Y. Liquid plastic. Serial No. 465,448; July 18. Class 16.

Converse & Co., Incorporated, Louisville, Ky. Religious publication. Serial No. 461,626; July 18. Class 38.

Copper Clad Products Company. (See Kennedy, James M.)

Debs Hospital Supplies, Chicago, Ill. Mouth wiping handkerchiefs. Serial No. 466,009; July 18. Class 37.

Diamond R. Agencies. (See Rymer, William C.)

Downing, S. Joseph, doing business as Shippers Over Seas Company, New York, N. Y. Empty knock down boxes and cartons. Serial No. 463,437; July 18. Class 2.

Dunlap, O. Z., going business as Vita-Gold Co., Omaha, Nebr. Vitamin fortified cereal. Serial No. 469,536; July 18. Class 6.

Ex-Lax, Inc., Brooklyn, N. Y. Cartoon strip and comics. Serial No. 469,302; July 18. Class 38.

Facial Fabrics Company, New York, N. Y. Decorative cardboard paper. Serial No. 467,271; July 18. Class 37.

Fahrbach Chemical Co. (See Fahrbach, Frank.)

Fahrbach, Frank, doing business as Fahrbach Chemical Co., Dallas, Tex. Mouth antiseptic. Serial No. 469,871; July 18. Class 6.

Filtered Rosin Products, Inc., Brunswick, Ga. Paints and varnishes. Serial No. 461,740; July 18. Class 10.

Fine Products Corporation, doing business as Nunnally's, Augusta, Ga. Candy. Serial No. 470,493; July 18. Class 46.

Firestone Industrial Products Co. (See Firestone Tire & Rubber Company, The.)

Firestone Industrial Products Company. (See Firestone Tire & Rubber Company, The.)

Firestone Tire & Rubber Company, The, doing business as Firestone Industrial Products Company, Akron, Ohio. Films, sheets and lamina. Serial No. 468,236; July 18. Class 1.

Firestone Tire & Rubber Company, The, doing business as Firestone Industrial Products Co., Akron, Ohio. Artificial leather. Serial No. 468,242; July 18. Class 50.

Geigy Company, Inc., New York, N. Y. Preparation for the treatment of infections. Serial No. 468,883; July 18. Class 6.

Gluek Brewing Company, Minneapolis, Minn. Pale light-bodied malt liquor. Serial No. 463,780; July 18. Class 48.

Golstine, Lee M., doing business under the name of Lilee Products Co., Chicago, Ill. Optical toy. Serial No. 469,835; July 18. Class 22.

Great Lakes Varnish Works, Inc., Chicago, Ill. Pigmented primer and sealer. Serial No. 468,607; July 18. Class 16.

Gruen Watch Company, The, Cincinnati and Time Hill, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 467,164; July 18. Class 27.

Gwen-Ayr Company, The. (See Lawrence, Paul T.)

Halpern, Edward M., Newark, N. J. Hand and skin cream. Serial No. 469,598; July 18. Class 6.

Hiertz, Theodore, Metal Co., St. Louis, Mo. Babbitt metal, anti-friction metals, etc. Serial No. 467,455; July 18. Class 14.

Hormann, F. R., & Company, Inc., Brooklyn, N. Y. Asbestis and cellulose composition filter media. Serial Nos. 470,797–8; July 18. Class 31.

Indian Arts and Crafts Board, Washington, D. C. Bead and/or porcupine-quill work bracelets, necklaces and finger rings. Serial No. 467,081; July 18. Class 28.

Jenkins Laboratories, Inc., Auburn, N. Y. Tonic and nutrient containing vitamins. Serial No. 464,651; July 18. Class 6.

Kennedy, James M., doing business as Copper Clad Products Company, Rome, N. Y. Metal cleaner. Serial No. 469,438; July 18. Class 4.

Kessler, William B., Inc., New York, N. Y. Men's clothing. Serial No. 469,899; July 18. Class 39.

Kilburn Mill, New Bedford, Mass. Cotton sewing thread. Serial No. 470,198; July 18. Class 43.

Landsberger, S. W., Chemical Works, Inc., New York, N. Y. Edible acids, preservatives, coloring matter, etc. Serial No. 468,382; July 18. Class 6.

Langston, Robert M., doing business as Oklahoma Chemical Co., Oklahoma City, Okla. Thinner for paints. Serial No. 469,601; July 18. Class 16.

Lawrence, Paul T., doing business as The Gwen-Ayr Company, Cleveland, Ohio. Perfume. Serial No. 469,603; July 18. Class 6.

Legendre & Company. (See Legendre, J. Marion.)

Legendre, J. Marion, doing business as Legendre & Company, New Orleans, La. Whiskey. Serial No. 469,204; July 18. Class 49.

Lewis, Frank H., doing business as Rogers Park Drug Company, Baltimore, Md. Lotion. Serial No. 469,903; July 18. Class 6.

Lilee Products Co. (See Goldstine, Lee M.)

Lucident Co., The. (See Burry, George W.)

Mayflower Dress Co., Inc., New York, N. Y. Ladies' and misses' dresses, blouses, skirts, etc. Serial No. 470,343; July 18. Class 39.

McAfee Candy Company. (See McAfee, Charles O.)

McAfee, Charles O., doing business as McAfee Candy Company, Macon, Ga. Candy bars and peanut butter. Serial No. 467,296; July 18. Class 46.

McQuade, John, & Co., Inc., Brooklyn, N. Y. Paints. Serial No. 469,233; July 18. Class 16.

Micro Products Corporation, Hastings on Hudson, N. Y. Coils, coil assemblies and magnetic cores for the same. Serial No. 464,251; July 18. Class 21.

Midwest Manufacturing and Engineering Corp., Boston, Mass., and New York, N. Y. Combination ash trays and coasters. Serial No. 468,895; July 18. Class 8.

Midwest Manufacturing and Engineering Corp., Boston, Mass., and New York, N. Y. Cigarette cases and combination ash trays. Serial No. 468,896; July 18. Class 8.

Mohawk Laboratories, Frankfort, N. Y. Fluxes. Serial No. 469,845; July 18. Class 6.

Nancy Ann Dressed Dolls, San Francisco, Calif. Dolls and doll clothes. Serial No. 470,729; July 18. Class 22.

National Dairy Products Company, Inc., New York, N. Y. Special dietary infant food. Serial No. 468,760; July 18. Class 46.

Nunnally's. (See Fine Products Corporation.)

Nuodex Products Co., Inc., Elizabeth, N. J. Driers for paste and ready-mixed paints, varnishes, etc., drier preservatives. Serial No. 468,809; July 18. Class 16.

Nuodex Products Co., Inc., Elizabeth, N. J. Insecticides, fungicides, and compositions for controlling parasites. Serial No. 469,234; July 18. Class 6.

Oklahoma Chemical Co. (See Langston, Robert M.)

Ormont Drug & Chemical Co., Inc., Long Island City, N. Y. Preparations for the treatment of coughs, etc. Serial No. 468,580; July 18. Class 6.

Pacific Lumber Company, The, San Francisco, Calif. Soil lightener and mulch. Serial No. 469,017; July 18. Class 10.

Perfect Circle Company, The, Hagerstown, Ind. Trade periodical. Serial No. 467,206; July 18. Class 38.

Pinkus, Harold N., doing business as Charmin' Initials Co., New York, N. Y. Sheets containing transfer initials. Serial No. 465,007; July 18. Class 38.

Plastic Engineering, Inc., Cleveland, Ohio. Molded thermo-plastic articles. Serial No. 463,079; July 18. Class 50.

Pollard, Frank L., Company, Oakland, Calif. Baby cribs, Venetian blinds, and record file racks. Serial No. 470,733; July 18. Class 32.

Redson-Rice Corporation, Chicago, Ill. Envelopes. Serial No. 464,272; July 18. Class 37.

Rex-O-Graph, Inc., Milwaukee, Wis. Cleansing cream. Serial No. 459,766; July 18. Class 4.

Rogers Park Drug Company. (See Lewis, Frank H.)

Rosenberg Bros. & Co., San Francisco, Calif. Almonds. Serial No. 457,481; July 18. Class 46.

Rymer, William C., doing business as Diamond R. Agencies, Pasadena, Calif. Metal bonded diamond files or hones. Serial No. 464,796; July 18. Class 23.

Schutte Laboratories, Beaver Falls, Pa. Rat killer. Serial No. 469,697; July 18. Class 6.

Shattuck, Frank G., Company. (See Shattuck, Jane M., assignor.)

Shattuck, Jane M., assignor to Frank G. Shattuck Company, New York, N. Y. Cakes, pies, pastry, etc. Serial No. 467,437; July 18. Class 46.

Shippers Over Seas Company. (See Downing, S. Joseph.)

Simon, M. & D., Co., Cleveland, Ohio. Men's and boys' dress and sport shirts. Serial No. 469,096; July 18. Class 39.

Skuttle Manufacturing Company, Detroit, Mich. Diffuser plates. Serial No. 468,166; July 18. Class 34.

Southern Stock Specific Company, Birmingham, Ala. Medicinal preparation. Serial No. 469,849; July 18. Class 6.

Street & Smith Publications, Inc., New York, N. Y. Comic cartoon magazine. Serial No. 468,177; July 18. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Cartoon strips and illustrated fictional stories. Serial No. 468,178; July 18. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Comic cartoon magazine. Serial No. 468,182; July 18. Class 38.

Sunset Line & Twine Co., San Francisco, Calif. Fishing lines. Serial No. 470,743; July 18. Class 22.

Taylor, Albert J., Buffalo, N. Y. Hair dressing. Serial No. 469,792; July 18. Class 6.

Tribisdun Medical Co., Inc., Washington, D. C. Preparation for hyperacidity. Serial No. 469,853; July 18. Class 6.

United Aircraft Products, Inc., Los Angeles, Calif. Hydraulic jacks. Serial No. 468,992; July 18. Class 23.

United States Time Corporation. (See Waterbury Clock Company.)

Vacuum Can Company, Chicago, Ill. Insulated jackets for food receptacles and covers therefor. Serial No. 454,242; July 18. Class 2.

Vita-Gold Co. (See Dunlap, O. Z.)

Waterbury Clock Company, Waterbury, Conn., now by change of name The United States Time Corporation. Watches and clocks. Serial No. 465,053; July 18. Class 27.

Western Auto Supply Company, Kansas City, Mo. Sponge-pads. Serial No. 463,256; July 18. Class 1.

Williams Company, The. (See Williams, Lewis O.)

Williams, Lewis O., doing business as The Williams Company, Kokomo, Ind. Scented garment cleaner. Serial No. 469,713; July 18. Class 4.

Woodbridge Sanitary Pottery Corporation, Woodbridge, N. J. Ceramic statuary and figurines. Serial No. 464,527; July 18. Class 50.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning, cleansing, and detergent material. Serial No. 465,497; July 18. Class 4.

Zet Cleaning Pad Co. (See Benezet, Albert T.)

LIST OF REGISTRANTS OF TRADE-MARKS

Agicide Laboratories, Inc., Milwaukee, Wis. Flour of nut shells and fruit pits. 408,049; July 18; Serial No. 458,321; published May 9, 1944. Class 1.

Allied Carbon & Ribbon Mfg. Corp., New York, N. Y. Carbon paper. 408,075; July 18; Serial No. 466,340; published May 2, 1944. Class 11.

Ambassador Clothes, Inc. (See Herman, Jacob, assignor.)

American Dietaids Company, Inc., Yonkers, N. Y. Soluble coffee extract. 408,132; July 18. Class 46.

American Metal Cap Co., Brooklyn, N. Y., assignor, by mesne assignments, to Anchor Hocking Glass Corporation, Lancaster, Ohio. Metal caps and closures. 191,535; renewed Nov. 11, 1944.

American Writing Paper Company, assignor, by mesne assignments, to American Writing Paper Corporation, Holyoke, Mass. Announcement paper, cards, and mailing envelopes. 191,251; renewed Nov. 4, 1944.

American Writing Paper Corporation. (See American Writing Paper Company, assignor.)

Anchor Hocking Glass Corporation. (See American Metal Cap Co., assignor.)

Ansbacher-Siegle Corporation, Brooklyn, N. Y. Resinous materials used in inks. 408,074; July 18; Serial No. 466,249; published May 2, 1944. Class 11.

Atlantic Elevator Company, Philadelphia, Pa. Electrical apparatus. 408,061; July 18; Serial No. 464,960; published May 9, 1944. Class 26.

Audubon Wire Cloth Corporation, Philadelphia, Pa. Wire fabric for making belts and conveyors and for other purposes. 408,051; July 18; Serial No. 459,065; published May 9, 1944. Class 13.

Automatic Washer Company, Newton, Iowa. Domestic laundry machines. 408,153; July 18. Class 24.

Barbour, J. E., Company, Paterson, N. J., assignor, by mesne assignments, to Ludlow Manufacturing & Sales Co., Boston, Mass. Thread. 187,779; renewed Aug. 12, 1944.

Barbour, J. E., Company, Paterson, N. J., assignor, by mesne assignments, to Ludlow Manufacturing & Sales Co., Boston, Mass. Twine. 186,851; renewed July 22, 1944.

Barbour, J. E., Company, Paterson, N. J., assignor, by mesne assignments, to Ludlow Manufacturing & Sales Co., Boston, Mass. Thread. 189,004; renewed Sept. 9, 1944.

Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars and smoking tobacco. 408,146; July 18. Class 17.

Benjamin Electric Mfg. Company, Des Plaines, Ill. Electric lighting fixtures. 408,126; July 18. Class 21.

Big Jack Manufacturing Company, Inc., Bristol, Va. Men's and boys' overalls, men's work shirts, men's flannel shirts, etc. 408,073; July 18; Serial No. 466,070; published Apr. 25, 1944. Class 39.

Binney & Smith Company, assignor to Columbian Carbon Company, New York, N. Y. Black pigments. 190,887; renewed Oct. 28, 1944.

Blue Hill Candy Co. (See Catsigianis, Otto P.)

Bradford Dyeing Association (U. S. A.), Bradford, R. I. Cotton, silk, and woolen piece goods. 191,728; renewed Nov. 18, 1944.

Brendlin, Gene, San Luis Obispo, Calif. Fresh vegetables. 408,058; July 18; Serial No. 464,643; published May 9, 1944. Class 46.

Briggs Clarifier Company, Washington, D. C. Oil filters. 408,134–6; July 18. Class 31.

Browning King & Co., Inc., Philadelphia, Pa. Men's and young men's topcoats and overcoats. 408,110; July 18; Serial No. 467,556; published May 2, 1944. Class 39.

Browning King & Co., Inc., Philadelphia, Pa. Ladies' and misses' suits and coats. 408,111; July 18; Serial No. 467,557; published Apr. 25, 1944. Class 39.

Building Age and The Builders' Journal, to Simmons-Boardman Publishing Corporation, New York, N. Y., successor. Monthly magazine. 188,633; renewed Sept. 2, 1944.

California Container Corporation, Emeryville, Calif. Boxes, cases, shipping containers, etc. 408,125; July 18. Class 2.

California Nursery Company, Niles, Calif. Plant nursery products. 408,063; July 18; Serial No. 465,223; published May 9, 1944. Class 1.

California Nursery Company, Niles, Calif. Plant nursery products. 408,064; July 18; Serial No. 465,356; published May 9, 1944. Class 1.

Camac Co., The, Cambridge, Mass. Polish for furniture, floors, woodwork, etc. 408,081; July 18; Serial No. 466,780; published Apr. 25, 1944. Class 16.

Carreras Limited, assignor, by mesne assignments, to Carreras Limited, London, England. Smoking, chewing, and snuffing tobacco, cigars, and cigarettes. 189,562; renewed Sept. 23, 1944.

Cassetty Oil and Grease Co., assignor, by mesne assignments, to Southern Oil Service, Nashville, Tenn. Cream-separator oil, axle grease, and lubricating oil. 184,968; renewed June 3, 1944.

Catsigianis, Otto P., doing business as Blue Hill Candy Co., St. Louis, Mo. Candy. 185,426; renewed June 17, 1944.

Caulk, L. D., Company, The, Milford, Del., assignor to Wernet Dental Mfg. Co., Inc., Jersey City, N. J. Preparation for cleaning and polishing false teeth, dental teeth plates, etc. 191,719; renewed Nov. 18, 1944.

Chalmers, Ruy de Barros, Rio de Janeiro, Brazil. Perfumes. 408,050; July 18; Serial No. 458,354; published May 2, 1944. Class 6.

Chicago Mail Order Company, Chicago, Ill. Men's and boys' hose. 408,068; July 18; Serial No. 465,733; published May 2, 1944. Class 39.

Chicago Rubber Clothing Company, Racine, Wis., by change of name Rainfair, Inc. Storm coats. 408,057; July 18; Serial No. 463,744; published Apr. 25, 1944. Class 39.

Clark, J. R., Company, The. (See Rid-Jid Products Corporation.)

Cluett, Peabody & Co., Inc. (See Earl & Wilson, assignor.)

Cluett, Peabody & Co., Inc., Troy, N. Y. Piece goods. 408,104; July 18; Serial No. 467,514; published Apr. 25, 1944. Class 42.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts and underwear. 408,105; July 18; Serial No. 467,513; published Apr. 25, 1944. Class 39.

Cohen, Goldman & Co., Inc., New York, N. Y. Men's and children's overcoats. 190,192; renewed Oct. 7, 1944.

Colonial Alloys Company, Philadelphia, Pa. Salts. 408,066; July 18; Serial No. 465,839; published May 2, 1944. Class 6.

Columbian Carbon Company. (See Binney & Smith Company, assignor.)

Conant, Houghton & Co. Inc., New York, N. Y., assignor to United Elastic Corporation, Easthampton, Mass. Elastic webbing. 191,809; renewed Nov. 18, 1944.

Connor, J. & K., Limited, London, England. Ladies' and children's hats. 189,194; renewed Sept. 16, 1944.

Consolidated Orchard Co. (See Miller, Howard W. and L. P., assignors.)

Cooperative Grange League Federation Exchange, Inc., Ithaca, N. Y. Canned pork and beans. 408,084; July 18; Serial No. 466,983; published May 9, 1944. Class 46.

Cooperative Grange League Federation Exchange, Inc., Ithaca, N. Y. Canned vegetables, ketchup, and tomato juice. 408,118; July 18; Serial No. 467,935; published May 9, 1944. Class 46.

Coos Bay Farmers' Cooperative, Salem, Oreg. Canned oysters. 408,154; July 18. Class 46.

Corning Glass Works, assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y. Nursing bottles. 190,518; renewed Oct. 14, 1944.

Crest Fabrics Corp., New York, N. Y. Textile fabrics. 408,121; July 18; Serial No. 468,000; published May 9, 1944. Class 42.

Crowe Name Plate & Manufacturing Co., Chicago, Ill. Electrical instrument panels, dial scales for radio tuning, etc. 408,070; July 18; Serial No. 465,976; published May 9, 1944. Class 21.

Crown Zellerbach Corporation. (See National Paper Products Company, assignor.)

Curtis 1000 Incorporated, St. Paul, Minn. Envelopes, letter paper, blank books, etc. 185,008; renewed June 3, 1944.

Dayton Company, The, Minneapolis, Minn. Women's and misses' coats, dresses, suits, etc. 408,077; July 18; Serial No. 466,571; published Apr. 25, 1944. Class 39.

Dearborn Company, The, Chicago, Ill. Children's toy vehicles, toy furniture, hobbyhorses, etc. 191,853; renewed Nov. 18, 1944.

De Bardeleben Coal Corporation, Birmingham, Ala. Coal. 191,606; renewed Nov. 11, 1944.

Deer Park Baking Co., Inc., Chicago, Ill. Cookies of various types and shapes. 408,052; July 18; Serial No. 462,306; published May 9, 1944. Class 46.

De Pree Company, The, Holland, Mich. Insecticide. 408,127; July 18. Class 6.

Delgado, Manuel Ontanon, Anahuac Colony, Mexico City, Mexico. Laundry washing machines. 408,054; July 18; Serial No. 462,875; published May 9, 1944. Class 24.

Dice, Harold Edwin, doing business as General Products Manufacturing Co., Canton, Ohio. Prepared cake icing. 408,139; July 18. Class 46.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 191,425; renewed Nov. 11, 1944.

Dumari Textile Co., Inc., New York, N. Y. Women's and misses' wearing apparel. 408,167; July 18, 1944; Serial No. 465,677; published May 2, 1944. Class 39.

Earl & Wilson, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Men's negligee and dress shirts and collars. 191,811–12; renewed Nov. 18, 1944.

Eaton Manufacturing Company. (See Rich Tool Company, assignor.)

Empire Paper Co., Chicago, Ill. Ledger papers. 408,145; July 18. Class 37.

Erickson, George C., Chicago, Ill. Catalytic barium chloride, combined with slight quantities of other elements. 408,079; July 18; Serial No. 466,643; published May 2, 1944. Class 6.

Fannings & Co., Chicago, Ill. Hair pomades and foot balm. 408,093; July 18; Serial No. 467,293; published May 2, 1944. Class 6.

Federal Cartridge Corp., Minneapolic, Minn., assignor, by mesne assignments, to Western Cartridge Company, New Haven, Conn. Shot shells and cartridges. 191,722; renewed Nov. 18, 1944.

Federal Razor Blade Co., Newark, N. J. Razor blades. 408,147; July 18. Class 23.

Fertig, Philip, doing business as Hollywood "Al," New York, N. Y. Men's trousers. 408,089; July 18; Serial No. 467,151; published Apr. 25, 1944. Class 39.

Fierro, Robert, Martinsburg, W. Va. Fresh deciduous fruits. 408,078; July 18; Serial No. 466,611; published May 9, 1944. Class 46.

Firat Caramel Malting Corporation, Paterson, N. J. Brewing adjuncts. 408,142; July 18. Class 48.

Foulds Milling Company, The, doing business as The National Macaroni Company, Chicago, Ill., to The Foulds Milling Company, Libertyville, Ill. Macaroni, spaghetti, egg noodles, etc. 187,199; renewed July 29, 1944.

Fullerton Mutual Orange Association, Fullerton, Calif. Fresh citrous fruits. 191,364–5; renewed Nov. 4, 1944.

Fullerton Mutual Orange Association, Fullerton, Calif. Fresh citrous fruits. 191,743; renewed Nov. 18, 1944.

Gaebler, Adolph Nelson, St. Louis, Mo. Medicinal tonic. 191,836; renewed Nov. 18, 1944.

General Products Manufacturing Co. (See Dice, Harold Edwin.)

Gilbert System Hotels, Inc., Jacksonville, Fla. Letter heads, printed envelopes, blotters, and printed blank forms for hotel use, etc. 408,046; July 18; Serial No. 448,728; published May 9, 1944. Class 37.

Glasco Electric Company, St. Louis, Mo. Electrical devices, supplies, and equipment. 191,610; renewed Nov. 11, 1944.

Godfrey, E. R., & Sons, Co., Milwaukee, Wis. Canned fruits, canned berries, canned vegetables, etc. 191,868; renewed Nov. 18, 1944.

Golf Shaft and Block Company, by change of name to C. F. Work & Sons, Inc., Memphis, Tenn. Partly-finished and in the white, wooden golf heads, golf dowels, golf shafts, etc. 191,758; renewed Nov. 18, 1944. Class 22.

Goodwin Preserving Co., Louisville, Ky. Fruit jelly. 408,138; July 18. Class 46.

Gotham Hosiery Company, Inc. (See "Onyx" Hosiery Inc., assignor.)

Graham, J. B. (See Stafford Mineral Springs & Hotel Co., Ltd.)

Greene, Tweed & Co., New York, N. Y. Packings. 191,881; renewed Nov. 18, 1944.

Guth, Edwin F., Company, The, St. Louis, Mo. Electric lighting fixtures for fluorescent lamps. 408,072; July 18; Serial No. 466,041; published May 9, 1944. Class 21.

Hamilton Watch Company, Lancaster, Pa. Watches, watch cases, watch dials, etc. 408,045; July 18; Serial No. 433,859; published May 9, 1944. Class 27.

Hazel-Atlas Glass Company, Wheeling, W. Va. Glassware. 185,619; renewed June 24, 1944.

Heritage Pharmacals. (See Perkins, A. C.)

Herman, J., Co. (See Herman, Jacob.)

Herman, Jacob, doing business as J. Herman Co., assignor to Ambassador Clothes, Inc., New York, N. Y. Men's clothing. 183,769; renewed May 6, 1944.

Hill Manufacturing Company, Atlanta, Ga. Device containing chemicals for use in absorbing moisture, and as a deodorizer. 408,143; July 18. Class 6.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. 408,090; July 18; Serial No. 467,195; published May 2, 1944. Class 6.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. 408,122; July 18; Serial No. 468,030; published May 2, 1944. Class 6.

Hollywood "Al." (See Fertig, Philip.)

Hunt-Spiller Manufacturing Corporation, Boston, Mass. Piston rings and piston-ring springs. 191,239; renewed Nov. 4, 1944.

Independent Baking Company, Davenport, Iowa. Sugar-wafer bar. 191,860; renewed Nov. 18, 1944.

Industrial Rayon Corporation, Cleveland, Ohio. Rayon yarn. 408,091; July 18; Serial No. 467,242; published Apr. 25, 1944. Class 43.

International Motor Company, by change of name to Mack Manufacturing Corporation, New York, N. Y. Motor trucks. 187,497; renewed Aug. 5, 1944.

Katz, Joseph M., Pittsburgh, Pa. Stationery. 408,106; July 18; Serial No. 467,524; published May 9, 1944. Class 37.

Kellogg Company, Battle Creek, Mich. Cereal breakfast food. 191,892; renewed Nov. 18, 1944.

Keystone Lubricating Company, Philadelphia, Pa., assignor to The Pennzoil Company, Los Angeles, Calif. Lubricants. 191,852; renewed Nov. 18, 1944.

Kilmer & Co., Incorporated. (See Kilmer, Dr., & Co., assignor.)

Kilmer, Dr., & Co., Binghamton, N. Y., assignor, by mesne assignments, to Kilmer & Co., Incorporated, Stamford, Conn. Proprietary remedy for the treatment of kidney, liver, bladder and urinary disorders, etc. 25,455; re-renewed Nov. 6, 1944.

Kilmer, Dr., & Co., Binghamton, N. Y., assignor, by mesne assignments, to Kilmer & Co., Incorporated, Stamford, Conn. Ointments. 25,493; re-renewed Nov. 13, 1944.

Kilmer, Dr., & Co., Binghamton, N. Y., assignor, by mesne assignments, to Kilmer & Co., Incorporated, Stamford, Conn. Proprietary medicines for the treatment of kidney, liver, stomach, etc. 25,494; re-renewed Nov. 13, 1944.

Kitchen Maid Corporation, The, Andrews, Ind. Kitchen sink tops. 408,085; July 18; Serial No. 466,993; published May 9, 1944. Class 13.

Knight, C. F., Co., St. Louis, Mo. Medicinal dusting powder. 408,151; July 18. Class 6.

La Fayette Packing Company, The, Rockland, Maine, and New York, N. Y. Canned sardines. 408,098; July 18; Serial No. 467,457; published May 9, 1944. Class 46.

Lamm Brothers, Inc., Baltimore, Md. Overcoats, raincoats, topcoats, etc. 408,083; July 18; Serial No. 466,843; published May 9, 1944. Class 39.

La Victoria, S. A., San Luis Potosi, Mexico. Chewing gum. 408,101; July 18; Serial No. 467,494; published May 9, 1944. Class 46.

Lentheric, Incoroporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 408,102; July 18; Serial No. 467,495; published May 2, 1944. Class 6.

Linada Coat Co., Inc., The, New York, N. Y. Ladies', misses', and juniors' coats, suits, skirts, etc. 408,114; July 18; Serial No. 467,612; published May 2, 1944. Class 39.

Linen Thread Co., Inc., The, New York, N. Y. Thread and yarn. 408,148–9; July 18. Class 43.

Liquid Carbonic Corporation, The, Chicago, Ill. Medical oxygen, anhydrous nitrous oxide, carbon dioxide, etc. 408,133; July 18. Class 6.

Ludlow Manufacturing & Sales Co. (See Barbour, J. E., Company, assignor.)

Mack Manufacturing Corporation. (See International Motor Company.)

Manhattan Shirt Company, The, New York, N. Y. Outer shirts. 408,117; July 18; Serial No. 467,763; published May 2, 1944. Class 39.

Manteca Canning Company, Manteca, Calif. Canned fruits and canned vegetables. 190,899; renewed Oct. 28, 1944.

Mark Cross Company, New York, N. Y. Handbags. 408,130; July 18. Class 3.

Martin Band Instrument Company, The, Elkhart, Ind. Horns, saxophones and clarinets. 184,303; renewed May 20, 1944.

Martini & Rossi, Turin, Italy, assignor to W. A. Taylor & Company, Detroit, Mich. Wines, sparkling wines, and wine vermouth. 185,413; renewed June 17, 1944.

Marshall Field & Company, Chicago, Ill. Zephyr ginghams in the piece. 184,767; renewed June 3, 1944.

Masonic Service Association of the United States, The, Washington, D. C. Monthly magazine. 191,481; renewed Nov. 11, 1944.

Max Ams, Inc., New York, N. Y. Fruit jam. 408,066; July 18; Serial No. 465,592; published May 9, 1944. Class 46.

Mc Bratney, Robert, & Company, Incorporated, New York, N. Y. Dress and suiting linens in the piece. 191,221; renewed Nov. 4, 1944. Class 42.

Merdoc Chemical Co. (See Miller, Otto H.)

Meyers Manufacturing Co., Minneapolis, Minn. Nursery chair swings. 408,124; July 18; Serial No. 468,120; published May 9, 1944. Class 32.

Mica Insulator Company, New York, N. Y. Fabricated composite materials. 191,507; renewed Nov. 11, 1944.

Miller, H. W. and L. P., assignor to Consolidated Orchard Co., Paw Paw, W. Va. Fresh deciduous fruits. 191,819; renewed Nov. 18, 1944.

Miller, Otto H., doing business as Merdoc Chemical Co., Wilmington, Del. Medicinal preparation. 191,468; renewed Nov. 11, 1944.

Moneau Corp. of New York, New York, N. Y. Perfumes. 408,107; July 18; Serial No. 467,533; published May 2, 1944. Class 6.

Muffets Company, The. (See Perky, Scott H.)

Mutual Publishers. (See Stanley, Stanford.)

National Macaroni Company. (See Foulds Milling Company, The.)

National Mineral Company, Chicago, Ill. Permanent hair waving solution, neutralizer, and shampoo. 408,048; July 18; Serial No. 457,039; published May 2, 1944. Class 6.

National Paper Products Company, San Francisco, Calif., and Carthage, N. Y., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Toilet tissue paper. 191,508; renewed Nov. 11, 1944.

National Plastic Products Company, Odenton, Md. Thread and yarn composed of plastic filaments and plastic wire-like filaments. 408,076; July 18; Serial No. 466,358; published May 9, 1944. Class 43.

Nelson, Julius, Corp., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. 408,056; July 18; Serial No. 463,653; published Apr. 25, 1944. Class 39.

Niles-Bement-Pond Company, West Hartford, Conn. Dimensional gages. 408,129; July 18. Class 26.

"Onyx" Hosiery Inc., assignor to Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 189,258–9; renewed Sept. 16, 1944.

Orange-Crush Company, Chicago, Ill. Food and ice-cream flavors. 191,373; renewed Nov. 4, 1944.

Patent Cereals Company, The, Geneva, N. Y. Corn flour preparation for core and facing binder. 191,513; renewed Nov. 11, 1944.

Pauling's Pharmacal Company, Inc., Wilkes-Barre, Pa. Preparation for headache and neuralgia. 408,152; July 18. Class 6.

Pendleton, Herbert E. (See Weiler & Pendleton, assignor.)

Pennzoil Company, The. (See Keystone Lubricating Company, assignor.)

Peri-Lusta, Limited, Leek, England. Artificial-silk thread or yarn. 189,989; renewed Sept. 30, 1944.

Perkins, A. C., also doing business as Heritage Pharmacals, Chicago, Ill. Vitamin and mineral tablets. 408,140; July 18. Class 6.

Perkins Products Co., Hastings, Nebr., assignor to Perkins Products Co., Chicago, Ill. Vanishing cream, massage cream, cold cream, etc. 167,231; renewed Apr. 24, 1943.

Perky, Scott H., doing business as The Muffets Company, New York, N. Y., assignor to The Quaker Oats Company, Chicago, Ill. Biscuits and patty shells. 189,911; renewed Sept. 30, 1944.

Petrol Corporation, The, Los Angeles, Calif. Paint in paste form. 408,055; July 18; Serial No. 462,954; published May 2, 1944. Class 16.

Pharis Tire and Rubber Company, The, Newark, Ohio. Tires. 190,296; renewed Oct. 14, 1944.

Pierce's Proprietaries, Inc. (See World's Dispensary Medical Association.)

Pincus, Julius, W. Marks, and I. Pincus, Plymouth, Pa. Ladies' outer garments. 408,088; July 18; Serial No. 467,135; published May 2, 1944. Class 39.

Pinkerton Tobacco Co., The, Toledo, Ohio. Smoking and chewing tobacco and cigarettes. 191,763; renewed Nov. 18, 1944.

Pittsburgh Plate Glass Company of Michigan. (See Sunset Paint Company, assignor.)

Plepla, Karl, New York, N. Y. Watches, watch movements and parts thereof. 408,137; July 18. Class 27.

Plough, Inc., Memphis, Tenn. Mouth wash. 408,047; July 18; Serial No. 456,081; published Jan. 26, 1943. Class 6.

Prescott, J. L., & Co., North Berwick, Maine, and New York, N. Y., assignor to J. L. Prescott Company, Passaic, N. J. Polish. 25,506; re-renewed Nov. 13, 1944.

Prescott, J. L., Company. (See Prescott, J. L., & Co., assignor.)

Price's Creameries, Inc. (See Rio Grande Valley Dairy Association, assignor.)

Prosser, Roger D. (See Prosser, Thomas, & Son, assignor.)

Prosser, Thomas, & Son, assignors to Roger D. Prosser, doing business as Thomas Prosser & Son, New York, N. Y. Boiler-tube expanders. 188,143; renewed Aug. 19, 1944.

Puritan Fruit Products Company, Chicago, Ill. Lemon juice for beverage purposes. 408,150; July 18. Class 45.

Quaker Oats Company, The. (See Perky, Scott H., assignor.)

Quaker Oats Company, The. (See Williams, Helen F., & Company, assignor.)

Rainfair, Inc. (See Chicago Rubber Clothing Company.)

Remington Rand Inc., Buffalo, N. Y. Stencils and duplicating paper. 408,053; July 18; Serial No. 462,672; published May 9, 1944. Class 37.

Rich, Ivor, New York, N. Y. Perfume, toilet water, face powder, etc. 408,099; July 18; Serial No. 467,470; published May 2, 1944. Class 6.

Rich Tool Company, Chicago, Ill., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Poppet valves. 190,882; renewed Oct. 28, 1944.

Rid-Jid Products Corporation, Chicago, Ill., to The J. R. Clark Company, Minneapolis, Minn., successor. Ironing tables. 187,917; renewed Aug. 12, 1944.

Rio Grande Valley Dairy Association, assignor, by mesne assignments, to Price's Creameries, Inc., El Paso, Tex. Milk, buttermilk, cream, etc. 183,097; renewed Apr. 22, 1944.

Robinson, H. A., Company, Inc., Lynchburg, Va. Roasted peanuts. 191,820; renewed Nov. 18, 1944.

Roosen, H. D., Company, The, Brooklyn, N. Y. Synthetic drying oils. 408,065; July 18; Serial No. 465,514; published Apr. 25, 1944. Class 16.

Rubel, John, Co. (See Rubel, John.)

Rubel, John, doing business as John Rubel Co., New York, N. Y. Brooches, bracelets, necklaces, etc. 408,059; July 18; Serial No. 464,762; published May 9, 1944. Class 28.

Russell-Taylor, Incorporated, Chicago, Ill. Food preparation in liquid form. 408,141; July 18. Class 46.

S & W Fine Foods, Inc. (See Sussman, Wormser & Co.)

St. Thomas & Puerto Rico Fruit Products Co., San Francisco, Calif. Non-alcoholic mixers to be used with alcoholic beverages. 408,128; July 18. Class 45.

Salant & Salant, Inc., New York, N. Y. Work shirts. 191,842–4; renewed Nov. 18, 1944.

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, etc. 188,601–2; renewed Sept. 2, 1944.

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, etc. 188,774; renewed Sept. 2, 1944.

Schwartz, B., & Co. (See Swartz, William B.)

Schwartz, William B., doing business as B. Schwartz & Co., Philadelphia, Pa. Juvenile and boys' suits, sportcoats and outer wearing apparel. 408,062; July 18; Serial No. 465,079; published Apr. 25, 1944. Class 39.

Shane, C. B., Corporation, Chicago, Ill. Men's, boys', women's and girls' overcoats and topcoats. 408,095; July 18; Serial No. 467,408; published Apr. 25, 1944. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's and young men's topcoats and overcoats. 408,103; July 18; Serial No. 467,500; published Apr. 25, 1944. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's and young men's topcoats and overcoats. 408,112; July 18; Serial No. 467,575; published May 2, 1944. Class 39.

Simmons-Boardman Publishing Corporation. (See Building Age and The Builders' Journal.)

Simpson, Wesley, Inc., New York, N. Y. Woolen piece goods. 408,123; July 18; Serial No. 468,045; published May 9, 1944. Class 42.

Sinclair, Robert, Tobacco Company, Limited, The, Newcastle-on-Tyne, England. Snuff and smoking tobacco. 189,534; renewed Sept. 23, 1944.

Smithken & Kleinman, New York, N. Y. Boys,' girls' and children's coats, suits, coat and suit combinations, etc. 408,115; July 18; Serial No. 467,622; published May 2, 1944. Class 39.

Smithken & Kleinman, New York, N. Y. Boys', girls' and children's coats, suits, coat and suit combinations, etc. 408,116; July 18; Serial No. 467,623; published Apr. 25, 1944. Class 39.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Spar varnishes. 408,092; July 18; Serial No. 467,286; published Apr. 25, 1944. Class 16.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Insecticide spray. 408,108; July 18; Serial No. 467,543; published May 2, 1944. Class 6.

Southern Oil Service. (See Cassetty Oil and Grease Co., assignor.)

Stafford Mineral Springs & Hotel Co., Ltd., New Orleans, La., to J. B. Graham, doing business as Stafford Mineral Springs Co., Stafford Springs, Miss., successor. Natural mineral water. 24,281; re-renewed Feb. 27, 1944.

Stafford Mineral Springs Co. (See Stafford Mineral Springs & Hotel Co., Ltd.)

Stange, Wm. J., Co., Chicago, Ill. Anti-oxidant. 408,094; July 18; Serial No. 467,303; published May 2, 1944. Class 6.

Stanley, Stanford, doing business as Mutual Publishers, New York, N. Y. Blank payroll books used as guides to social security and withholding tax records. 408,096; July 18; Serial No. 467,409; published May 9, 1944. Class 37.

Stonebraker, Hal, doing business as Technicut Wood Products Co., Overland Park, Kans. Portable sectional dwellings, garages, barns, hangers, etc. 408,060; July 18; Serial No. 464,834; published May 9, 1944. Class 12.

Straub, W. F., & Company, Chicago, Ill. Extract of the pituitary gland. 408,080; July 18; Serial No. 466,773; published May 2, 1944. Class 6.

Strauss, Levi, and Company, San Francisco, Calif. Hosiery. 191,736; renewed Nov. 18, 1944.

Sullivan Company, The, Memphis, Tenn. Liquid anti-strip compound for bituminous mixes, soil stabilization and floor and road repairs. 408,071; July 18; Serial No. 465,994; published May 9, 1944. Class 12.

Sunset Paint Company, Los Angeles, Calif, assignor to Pittsburgh Plate Glass Company of Michigan, Pittsburgh, Pa. Diamond floor paint, paint enamels, factory white, etc. 189,922; renewed Sept. 30, 1944.

Sussman, Wormser & Co., San Francisco, Calif., by change of name to S & W Fine Foods, Inc. Whole figs canned. 184,686; renewed May 27, 1944.

Sussman, Wormser & Co., San Francisco, Calif., by change of name to S & W Fine Foods, Inc. Canned fruits & vegetables. 185,225; renewed June 10, 1944.

Sussman, Wormser & Co., San Francisco, Calif., by change of name to S & W Fine Foods, Inc. Canned fruits & vegetables, dried fruits, breakfast cereals, etc. 189,593; renewed Sept. 23, 1944.

Sussman, Wormser & Co., San Francisco, Calif., by change of name to S & W Fine Foods, Inc. Canned figs. 189,674; renewed Sept. 23, 1944.

Swift and Company, Chicago, Ill. Dehydrated soup bone stock and meat extract. 408,087; July 18; Serial No. 467,115; published May 9, 1944. Class 46.

Tailored Silk Undergarment Co. Inc., New York, N. Y. Women's and misses' slips and nightgowns. 408,100; July 18; Serial No. 467,474; published Apr. 25, 1944. Class 39.

Taylor, W. A., & Company. (See Martini & Rossi, assignor.)

Technicut Wood Products Co. (See Stonebraker, Hal.)

Trommer, John F., Inc., Brooklyn, N. Y. Beer. 408,144; July 18. Class 48.

Union Special Machine Company, Chicago, Ill. Sewing machines. 188,137–8; renewed Aug. 19, 1944.

United Elastic Corporation. (See Conant, Houghton & Co. Inc., assignor.)

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 408,113; July 18; Serial No. 467,581; published May 2, 1944. Class 6.

Vaughan Company, Chicago, Ill. Electrically operated meat and bone cutting machines. 191,418; renewed Nov. 11, 1944.

Watts-Wagner Company, Inc., New York, N. Y. Liquid hand protecting cream. 408,082; July 18; Serial No. 466,817; published May 2, 1944. Class 6.

Weiler & Pendleton, Baltimore, Md., assignor to Herbert E. Pendleton, Ephrata, Pa. Hosiery. 179,034; renewed Feb. 5, 1944.

Wernet Dental Mfg. Co., Inc. (See Caulk, L. D., Company, The, assignor.)

Westbrook, D. C., Rover and Griffin, Ga., to D. C. Westbrook, Griffin, Ga. Fresh peaches. 191,283; renewed Nov. 4, 1944.

Western Cartridge Company. (See Federal Cartridge Corp., assignor.)

Western Cartridge Company. (See Winchester Repeating Arms Company, assignor.)

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Magnetic metal alloys. 408,086; July 18; Serial No. 467,009; published May 9, 1944. Class 14.

Westwood Pharmacal Corporation, Buffalo, N. Y. Sulfathiazol solutions. 408,109; July 18; Serial No. 467,550; published May 2, 1944. Class 6.

White Pearl Company, Pawtucket, R. I. Necklaces, pins, bracelets, and earrings. 408,131; July 18. Class 28.

Whi-Tex Company, St. Louis, Mo. Combination cold water paint and water-proofing agent. 408,097; July 18; Serial No. 467,420; published May 2, 1944. Class 16.

Williams, Helen F., & Company, Washington, D. C., assignor to The Quaker Oats Company, Chicago, Ill. Canned soups. 186,809; renewed July 22, 1944.

Wilson, R. B., doing business as R. B. Wilson Co., Brawley, Calif., and Phoenix, Ariz. Fresh vegetables. 408,119; July 18; Serial No. 467,991; published May 9, 1944. Class 46.

Wilson, R. B., doing business as R. B. Wilson Co., Brawley, Calif., and Phoenix, Ariz. Fresh vegetables. 408,120; July 18; Serial No. 467,992; published May 9, 1944. Class 46.

Wilson, R. B., Co. (See Wilson, R. B.)

Winchester Repeating Arms Company, assignor, by mesne assignments, to Western Cartridge Company, New Haven, Conn. Paper shot shells and metal cartridges. 191,702; renewed Nov. 18, 1944.

Work, C. F., & Sons, Inc. (See Golf Shaft and Block Company.)

World's Dispensary Medical Association, Buffalo, N. Y., by change of name to Pierce's Proprietaries, Inc. Skin cream. 187,959; renewed Aug. 12, 1944.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. De Bardeleben Coal Corporation. 191,606; renewed Nov. 11, 1944.

Flour of nut shells and fruit pits. Agicide Laboratories, Inc. 408,049; July 8; Serial No. 458,321; published May 9, 1944.

Plant nursery products. California Nursery Company. 408,063; July 18; Serial No. 465,223; published May 9, 1944.

Plant nursery products. California Nursery Company. 408,064; July 18; Serial No. 465,356; published May 9, 1944.

CLASS 2

Boxes, cases, shipping containers, etc. California Container Corporation. 408,125; July 18.

CLASS 3

Handbags. Mark Cross Company. 408,130; July 18.

CLASS 4

Polish. J. L. Prescott & Co. 25,506; re-renewed Nov. 13, 1944.

Preparation for cleaning and polishing false teeth, dental teeth plates, etc. L. D. Caulk Company. 191,719; renewed Nov. 18, 1944.

CLASS 5

Corn flour preparation for core and facing binder. Patent Cereals Company. 191,513; renewed Nov. 11, 1944.

CLASS 6

Anti-oxidant. Wm. J. Stange Co. 408,094; July 18; Serial No. 467,303; published May 2, 1944.

Catalytic barium chloride, combined with slight quantities at other elements. G. C. Erickson. 408,079; July 18; Serial No. 466,643; published May 2, 1944.

Chemicals for use in absorbing moisture, and as a deodorizer, Device containing. Hill Manufacturing Company. 408,143; July 18.

Cream, Liquid hand protecting. Watts-Wagner Company. 408,082; July 18; Serial No. 466,817; published May 2, 1944.
Cream, massage cream, cold cream, etc., Vanishing. Perkins Product Co. 167,231; renewed Apr. 24, 1943.
Cream, Skin. World's Dispensary Medical Association. 187,959; renewed Aug. 12, 1944.
Extract of the pituitary gland. W. F. Straub & Company. 408,080; July 18; Serial No. 466,773; published May 2, 1944.
Hair waving solution, neutralizer and shampoo, Permanent. National Mineral Company. 408,048; July 18; Serial No. 457,039; published May 2, 1944.
Insecticide. De Pree Company, The. 408,127; July 18.
Medical oxygen, anhydrous nitrous oxide, carbon dioxide, etc. The Liquid Carbonic Corporation. 408,133; July 18.
Medicinal dusting powder. C. F. Knight Co. 408,151; July 18.
Medicinal preparation. Hoffmann-La Roche. 408,090; July 18; Serial No. 467,195; published May 2, 1944.
Medicinal preparation. Hoffmann-La Roche, Inc. 408,122; July 18; Serial No. 468,030; published May 2, 1944.
Medicinal preparation. O. H. Miller. 191,468; renewed Nov. 11, 1944.
Medicinal preparation. Upjohn Company. 408,113; July 18; Serial No. 467,581; published May 2, 1944.
Medicines for the treatment of kidney, liver, stomach, etc., Proprietary. Dr. Kilmer & Co. 25,494; re-renewed Nov. 13, 1944.
Mouth wash. Plough, Inc. 408,047; July 18; Serial No. 456,081; published Jan. 26, 1943.
Ointments. Dr. Kilmer & Co. 25,493; re-renewed Nov. 13, 1944.
Perfume, toilet water, face powder, etc. I. Rich. 408,099; July 18; Serial No. 467,470; published May 2, 1944.
Perfumes. R. de R. Chalmers. 408,050; July 18; Serial No. 458,354; published May 2, 1944.
Perfumes. Moneau Corp. of New York. 408,107; July 18; Serial No. 467,533; published May 2, 1944.
Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 408,102; July 18; Serial No. 467,495; published May 2, 1944.
Pomades and foot balm, Hair. Fannings & Co. 408,093; July 18; Serial No. 467,293; published May 2, 1944.
Preparation for headache and neuralgia. Pauling's Pharmacal Company, Inc. 408,152; July 18.
Remedy for the treatment of kidney, liver, bladder, and urinary disorders, etc., Proprietary. Dr. Kilmer & Co. 25,455; re-renewed Nov. 6, 1944.
Salts. Colonial Alloys Company. 408,069; July 18; Serial No. 465,839; published May 2, 1944.
Spray, Insecticide. Socony-Vacuum Oil Company. 408,108; July 18; Serial No. 467,543; published May 2, 1944.
Sulfathiazol solutions. Westwood Pharmacal Corporation. 408,109; July 18; Serial No. 467,550; published May 2, 1944.
Tonic, Medicinal. A. N. Gaebler. 191,836; renewed Nov. 18, 1944.
Vitamin and mineral tablets. A. C. Perkins. 408,140; July 18.

CLASS 7

Twine. J. E. Barbour Company. 186,851; renewed July 22, 1944.
Twine, rope, string, etc. Schermerhorn Bros. Co. 188,601–2; renewed Sept. 2, 1944.
Twine, rope, string, etc. Schermerhorn Bros. Co. 188,774; renewed Sept. 2, 1944.

CLASS 9

Shells and cartridges, Shot. Federal Cartridge Corp. 191,722; renewed Nov. 18, 1944.
Shells and metal cartridges, Paper shot. Winchester Repeating Arms Company. 191,702; renewed Nov. 18, 1944.

CLASS 11

Paper, Carbon. Allied Carbon & Ribbon Mfg. Corp. 408,075; July 18; Serial No. 466,340; published May 2, 1944.
Resinous materials used in inks. Ansbacher-Siegle Corporation. 408,074; July 18; Serial No. 466,249; published May 2, 1944.

CLASS 12

Bituminous mixes, soil stabilization and floor and road repairs, Liquid anti-strip compound for. Sullivan Company. 408,071; July 18; Serial No. 465,994; published May 9, 1944.
Dwellings, garages, barns, hangers, etc., Portable sectional. H. Stonebraker. 408,060; July 18; Serial No. 464,834; published May 9, 1944.

CLASS 13

Fabric for making belts and conveyors and for other purposes, Wire. Audubon Wire Cloth Corporation. 408,051; July 18; Serial No. 459,065; published May 9, 1944.
Sink tops, Kitchen. Kitchen Maid Corporation. 408,085; July 18; Serial No. 466,993; published May 9, 1944.

CLASS 14

Alloys, Magnetic metal. Westinghouse Electric & Manufacturing Company. 408,086; July 18; Serial No. 467,009; published May 9, 1944.

CLASS 15

Lubricants. Keystone Lubricating Company. 191,852; renewed Nov. 18, 1944.
Oil, axle grease, and lubricating oil, Cream-separator. Cassetty Oil and Grease Co. 184,068; renewed June 3, 1944.

CLASS 16

Oils, Synthetic drying. H. D. Roosen Company. 408,065; July 18; Serial No. 465,514; published Apr. 25, 1944.
Paint and water-proofing agent, Combination cold water. Whi-Tex Company. 408,097; July 18; Serial No. 467,420; published May 2, 1944.
Paint in paste form. Petrol Corporation. 408,055; July 18; Serial No. 462,954; published May 2, 1944.
Paint, paint enamels, factory white, etc., Diamond floor. Sunset Paint Company. 189,922; renewed Sept. 30. 1944.
Pigments, Black. Binney & Smith Company. 190,887; renewed Oct. 28, 1944.
Polish for furniture, floors, woodwork, etc. Camac Co. 408,081; July 18; Serial No. 466,780; published Apr. 25, 1944.
Varnishes, Spar. Socony-Vacuum Oil Company. 408,092; July 18; Serial No. 467,286; published Apr. 25, 1944.

CLASS 17

Cigars and smoking tobacco. Bayuk Cigars Incorporated. 408,146; July 18.
Snuff and smoking tobacco. Robert Sinclair Tobacco Company, Limited. 189,534; renewed Sept. 23, 1944.
Tobacco and cigarettes, Smoking and chewing. Pinkerton Tobacco Co 191,763; renewed Nov. 18, 1944.
Tobacco, cigars, and cigarettes, Smoking, chewing, and snuffing. Carreras Limited. 189,562; renewed Sept. 23, 1944.

CLASS 19

Trucks, Motor. International Motor Company. 187,497; renewed Aug. 5, 1944.

CLASS 21

Composite materials, Fabricated. Mica Insulator Company. 191,507; renewed Nov. 11, 1944.
Electric lighting fixtures. Benjamin Electric Mfg. Company. 408,126; July 18.
Electric lighting fixtures for fluorescent lamps. E. F. Guth Company. 408,072; July 18; Serial No. 466,041; published May 9, 1944.
Electrical devices, supplies, and equipment. Glasco Electric Company. 191,610; renewed Nov. 11, 1944.
Electrical instrument panels, dial scales for radio tuning, etc. Crowe Name Plate & Manufacturing Co. 408,070; July 18; Serial No. 465,976; published May 9, 1944.
Electrically operated meat and bone cutting machines. Vaughan Company. 191,418; renewed Nov. 11, 1944.

CLASS 22

Golf heads, golf dowels, golf shafts, etc., Partly-finished and in the white, wooden. Golf Shaft and Block Company. 191,758; renewed Nov. 18, 1944.
Toy vehicles, toy furniture, hobbyhorses, etc., Children's. Dearborn Company. 191,853; renewed Nov. 18, 1944.

CLASS 23

Blades, Razor. Federal Razor Blade Co., Inc. 408,147; July 18.
Expanders, Boiler-tube. Thomas Prosser & Son. 188,143; renewed Aug. 19, 1944.
Sewing machines. Union Special Machine Company. 188,137–8; renewed Aug. 19, 1944.
Valves, Poppet. Rich Tool Company. 190,882; renewed Oct. 28, 1944.

CLASS 24

Ironing tables. Rid-Jid Products Corporation. 187,917; renewed Aug. 12, 1944.
Laundry machines, Domestic. Automatic Washer Company. 408,153; July 18.
Washing machines, Laundry. M. O. Delgado. 408,054; July 18; Serial No. 462,875; published May 9, 1944.

CLASS 26

Electrical apparatus. Atlantic Elevator Company. 408,061; July 18; Serial No. 464,960; published May 9, 1944.
Gages, Dimensional. Niles-Bement-Pond Company. 408,129; July 18.

CLASS 27

Watches, watch cases, watch dials, etc. Hamilton Watch Company. 408,045; July 18; Serial No. 433,859; published May 9, 1944.
Watches, watch movements and parts thereof. K. Plepla. 408,137; July 18.

CLASS 28

Brooches, bracelets, necklaces, etc. J. Rubel. 408,059; July 18; Serial No. 464,762; published May 9, 1944.
Necklaces, pins, bracelets, and earrings. White Pearl Company. 408,131; July 18.

CLASS 31

Filters, Oil. Briggs Clarifier Company. 408,134–6; July 18.

CLASS 32

Swings, Nursery chair. Meyers Manufacturing Co. 408,124; July 18; Serial No. 468,120; published May 9, 1944.

CLASS 33

Glassware. Hazel-Atlas Glass Company. 185,619; renewed June 24, 1944.

CLASS 35

Packings. Greene, Tweed & Co. 191,881; renewed Nov. 18, 1944.
Piston rings and piston-ring springs. Hunt-Spiller Manufacturing Corporation. 191,239; renewed Nov. 4, 1944.
Tires. Pharis Tire and Rubber Company. 190,296; renewed Oct. 14, 1944.

CLASS 36

Horns, saxophones, and clarinets. Martin Band Instrument Company. 184,303; renewed May 20, 1944.

CLASS 37

Envelopes, letter paper, blank books, etc. Curtis 1000 Incorporated. 185,008; renewed June 3, 1944.
Letter heads, printed envelopes, blotters, and printed blank forms, etc. Gilbert System Hotels, Inc. 408,046; July 18; Serial No. 448,728; published May 9, 1944.
Paper, cards, and mailing envelopes, Announcement. American Writing Paper Company. 191,251; renewed Nov. 4, 1944.
Paper, Toilet tissue. National Paper Products Company. 191,508; renewed Nov. 11, 1944.
Papers, Ledger. Empire Paper Co. 408,145; July 18.
Payroll books used as guides to social security and withholding tax records, Blank. S. Stanley. 408,096; July 18; Serial No. 467,409; published May 9, 1944.
Pencils, Lead. Joseph Dixon Crucible Company. 191,425; renewed Nov. 11, 1944.
Stationery. J. M. Katz. 408,106; July 18; Serial No. 467,524; published May 9, 1944.
Stencils and duplicating paper. Remington Rand Inc. 408,053; July 18; Serial No. 462,672; published May 9, 1944.

CLASS 38

Magazine, Monthly. Building Age and The Builders' Journal. 188,633; renewed Sept. 2, 1944.
Magazine, Monthly. Masonic Service Association of the United States. 191,481; renewed Nov. 11, 1944.

CLASS 39

Clothing, Men's. J. Herman. 183,769; renewed May 6, 1944.
Coats, dresses, suits, etc., Women's and misses'. Dayton Company. 408,077; July 18; Serial No. 466,571; published Apr. 25, 1944.
Coats, Storm. Chicago Rubber Clothing Company. 408,057; July 18; Serial No. 463,744; published Apr. 25, 1944.
Coats, suits, coat and suit combinations, etc., Boys', girls' and children's. Smithken & Kleinman. 408,115; July 18; Serial No. 467,622; published May 2, 1944.
Coats, suits, coat and suit combinations, etc., Boys', girls' and children's. Smithken & Kleinman. 408,116; July 18; Serial No. 467,623; published Apr. 25, 1944.
Coats, suits, jackets, etc., Ladies' and misses'. Julius Nelson Corp. 408,056; July 18; Serial No. 463,653; published Apr. 25, 1944.
Coats, suits, skirts, etc., Ladies', misses' and juniors', Linada Coat Co. 408,114; July 18; Serial No. 467,612; published May 2, 1944.
Garments, Ladies' outer. J. Pincus, W. Marks and I. Pincus. 408,088; July 18; Serial No. 467,135; published May 2, 1944.
Hats, Ladies' and children's. J. & K. Connor, Limited. 189,194; renewed Sept. 16, 1944.
Hose, Men's and boys'. Chicago Mail Order Company. 408,068; July 18; Serial No. 465,733; published May 2, 1944.
Hosiery. "Onyx" Hosiery Inc. 189,258–9; renewed Sept. 16, 1944.
Hosiery. Levi Strauss and Company. 191,736; renewed Nov. 18, 1944.
Hosiery. Weiler & Pendleton. 179,034; renewed Feb. 5, 1944.
Overalls, men's work shirts, men's flannel shirts, etc., Men's and boys'. Big Jack Manufacturing Company. 408,073; July 18; Serial No. 466,070; published Apr. 25, 1944.

Overcoats and topcoats, Men's, boys', women's and girls'. C. B. Shane Corporation. 408,095; July 18; Serial No. 467,408; published Mar. 25, 1944.
Overcoats, Men's and children's. Cohen, Goldman & Co. 190,192; renewed Oct. 7, 1944.
Overcoats, raincoats, topcoats, etc. Lamm Brothers, Inc. 408,083; July 18; Serial No. 466,843; published May 9, 1944.
Shirts and collars, Men's negligee and dress. Earl & Wilson. 191,811–2; renewed Nov. 18, 1944.
Shirts and underwear, Outer. Cluett, Peabody & Co. 408,105; July 18; Serial No. 467,513; published Aug. 25, 1944.
Shirts, Outer. Manhattan Shirt Company. 408,117; July 18; Serial No. 467,763; published May 2, 1944.
Shirts, Work. Salant & Salant, Inc. 191,842–3; renewed Nov. 18, 1944.
Slips and nightgowns, Women's and misses'. Tailored Silk Undergarment Co. Inc. 418,100; July 18; Serial No. 467,474; published Apr. 25, 1944.
Suits and coats, Ladies' and misses'. Browning King & Co. 408,111; July 18; Serial No. 467,557; published Apr. 25, 1944.
Suits, sportcoats, and outer wearing apparel, Juvenile and boys'. W. B. Schwartz. 408,062; July 18; Serial No. 465,079; published Apr. 25, 1944.
Topcoats and overcoats, Men's and young men's. Jacob Siegel Company. 408,103; July 18; Serial No. 467,500; published Apr. 25, 1944.
Topcoats and overcoats, Men's and young men's. Browning King & Co. 408,110; July 18; Serial No. 467,556; published May 2, 1944.
Topcoats and overcoats, Men's and young men's. Jacob Seigel Company. 408,112; July 18; Serial No. 467,575; published May 2, 1944.
Trousers, Men's. P. Fertig. 408,089; July 18; Serial No. 467,151; published Apr. 25, 1944.
Wearing apparel, Women's and misses'. Dumari Textile Co. 408,067; July 18; Serial No. 465,677; published May 2, 1944.

CLASS 42

Fabrics, Textile. Crest Fabrics Corp. 408,121; July 18; Serial No. 468,000; published May 9, 1944.
Ginghams in the piece, Zephyr. Marshall Field & Company. 184,767; renewed June 3, 1944.
Linens in the piece, Dress and suiting. Robert McBratney & Company. 191,221; renewed Nov. 4, 1944.
Piece goods. Cluett, Peabody & Co. 408,104; July 18; Serial No. 467,514; published Apr. 25, 1944.
Piece goods, Cotton, silk, and woolen. Bradford Dyeing Association (U. S. A.). 191,728; renewed Nov. 18, 1944.
Piece goods, Woolen. Wesley Simpson, Inc. 408,123; July 18; Serial No. 468,045; published May 9, 1944.
Webbing, Elastic. Conant, Houghton & Co. Inc. 191,809; renewed Nov. 18, 1944.

CLASS 43

Thread. J. E. Barbour Company. 187,779; renewed Aug. 12, 1944.
Thread. J. E. Barbour Company. 189,004; renewed Sept. 9, 1944.
Thread and yarn. Linen Thread Co., Inc. 408,148–9; July 18.
Thread and yarn composed of plastic filaments and plastic wire-like filaments. National Plastic Products Company. 408,076; July 18; Serial No. 466,358; published May 9, 1944.
Thread or yarn, Artificial-silk. Peri-Lusta, Limited. 189,989; renewed Sept. 30, 1944.
Yarn, Rayon. Industrial Rayon Corporation. 408,091; July 18; Serial No. 467,242; published Apr. 25, 1944.

CLASS 44

Bottles, Nursing. Corning Glass Works. 190,518; renewed Oct. 14, 1944.

CLASS 45

Juice for beverage purposes, Lemon. Puritan Fruit Products Company. 408,150; July 18.
Mineral water, Natural. Stafford Mineral Springs & Hotel Co. 24,281; re-renewed Feb. 27, 1944.
Mixers to be used with alcoholic beverages, Non-alcoholic. St. Thomas & Puerto Rico Fruit Products Co. 408,128; July 18.

CLASS 46

Biscuits and patty shells. S. H. Perky. 189,911; renewed Sept. 30, 1944.
Candy. O. P. Catsigianis. 185,426; renewed June 17, 1944.
Canned figs. Sussman, Wormser & Co. 189,674; renewed Sept. 23, 1944.
Canned fruits and vegetables. Sussman, Wormser & Co. 185,225; renewed June 10, 1944.
Canned fruits and vegetables, dried fruits, breakfast cereals, etc. Sussman, Wormser & Co. 189,593; renewed Sept. 23, 1944.
Canned fruits and canned vegetables. Manteca Canning Company. 190,899; renewed Oct. 28, 1944.

Canned fruits, canned berries, canned vegetables, etc. E. R. Godfrey & Sons Co. 191,868; renewed Nov. 18, 1944.
Canned oysters. Coos Bay Farmers' Cooperative. 408,154; July 18.
Canned pork and beans. Cooperative Grange League Federation Exchange, Inc. 408,084; July 18; Serial No. 466,983; published May 9, 1944.
Canned soups. Helen F. Williams & Company. 186,809; renewed July 22, 1944.
Canned sardines. La Fayette Packing Company. 408,098; July 18; Serial No. 467,457; published May 9, 1944.
Canned vegetables, ketchup, and tomato juice. Cooperative Grange League Federation Exchange, Inc. 408,118; July 18; Serial No. 467,935; published May 9, 1944.
Cereal breakfast food. Kellogg Company. 191,892; renewed Nov. 18, 1944.
Chewing gum. La Victoria, S. A. 408,101; July 18; Serial No. 467,494; published May 9, 1944.
Citrous fruits, Fresh. Fullerton Mutual Orange Association. 191,364–5; renewed Nov. 4, 1944.
Coffee extract, Soluble. American Dietaids Company, Inc. 408,132; July 18.
Cookies. Deer Park Baking Co. 408,052; July 18; Serial No. 462,306; published May 9, 1944.
Figs canned, Whole. Sussman, Wormser & Co. 184,686; renewed May 27, 1944.
Flavors, Food and ice-cream. Orange-Crush Company. 191,373; renewed Nov. 4, 1944.
Food preparation in liquid form. Russell-Taylor, Incorporated. 408,141; July 18.
Fruits, Fresh citrous. Fullerton Mutual Orange Association. 191,743; renewed Nov. 18, 1944.
Fruits, Fresh deciduous. R. Fierro. 408,078; July 18; Serial No. 466,611; published May 9, 1944.
Fruits, Fresh deciduous. H. W. and L. P. Miller. 191,819; renewed Nov. 18, 1944.
Icing, Prepared cake. H. E. Dice. 408,139; July 18.
Jam, Fruit. Max Ams, Inc. 408,066; July 18; Serial No. 465,592; published May 9, 1944.
Jelly, Fruit. Goodwin Preserving Co., Incorporated. 408,138; July 18.
Macaroni, spaghetti, egg noodles, etc. Foulds Milling Company. 187,199; renewed July 29, 1944.
Milk, buttermilk, cream, etc. Rio Grande Valley Dairy Association. 183,097; renewed Apr. 22, 1944.
Peaches, Fresh. D. C. Westbrook. 191,283; renewed Nov. 4, 1944.
Peanuts, Roasted. H. A. Robinson Company. 191,820; renewed Nov. 18, 1944.
Soup bone stock and meat extract, Dehydrated. Swift and Company. 408,087; July 18; Serial No. 467,115; published May 9, 1944.
Sugar-wafer bar. Independent Baking Company. 191,860; renewed Nov. 18, 1944.
Vegetables, Fresh. G. Brendlin. 408,058; July 18; Serial No. 464,643; published May 9, 1944.
Vegetables, Fresh. R. B. Wilson. 408,119–20; July 18; Serial Nos. 467,991–2; published May 9, 1944.

CLASS 47

Wines, sparkling wines, and wine vermuth. Martini & Rossi. 185,413; renewed June 17, 1944.

CLASS 48

Beer. Trommer, John F., Inc. 408,144; July 18.
Brewing adjuncts. First Caramel Malting Corporation. 408,142; July 18.

CLASS 50

Caps and closures, Metal. American Metal Cap Co. 191,535; renewed Nov. 11, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bevarly, Henry W. (See Miller, B. DeH., and Bevarly.)
Eastman Kodak Company. (See Hopkins, Roy S., assignor.)
Girdler Corporation, The. (See Miller, B. DeH., and Bevarly, assignors.)
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Device for producing enlarged images. Re. 22,517; July 18.
McMahon, Joseph R., and E. C. Springfield, Glendale, W. Va. Apparatus for applying protective coatings to suspended wires, cables, pipes, and the like. Re. 22,518; July 18.
Miller Bruce DeH., and H. W. Bevarly, assignors to The Girdler Corporation, Louisville, Ky. Processing apparatus. Re. 22,519; July 18.
Springfield, Elwood C. (See McMahon, J. R., and Springfield.)

LIST OF DESIGN PATENTEES

Aikins, Herbert A., Cleveland Heights, Ohio. Ruler or similar article. 138,309; July 18.
Amyot, Pierre, Quebec, Quebec, Canada. Brassière. 138,310; July 18.
Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Miniature engine. 138,311; July 18.
Awsumb, Russell J., Hopkins, assignor to Fibro Container Corporation, Minneapolis, Minn. Toy duck. 138,335; July 18.
Bard-Parker Company, Inc. (See Arden, Thomas R., assignor.)
Bauer, Eddie, Seattle, Wash. Jacket. 138,336; July 18.
Braloff, Henry E., Rockville Centre, N. Y. Record cabinet. 138,337; July 18.
Chic-Maid Hat Manufacturing Co. (See Gross, Max, assignor.)
Clement, Carl H., Jr., U. S. Army, Fort Belvoir, Va. Boat or the like. 138,338; July 18.
Cooper, Nat, New York, N. Y. Magazine rack or similar article. 138,339; July 18.
Cox, Hubert L., Canton, Ohio. Foot and body exerciser. 138,340; July 18.
Dawer, Sigmund, New York, N. Y. Compact or similar article. 138,341; July 18.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 138,312; July 18.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 138,313; July 18.
Després, Lilly D., New York, N. Y., assignor, by mesne assignments, to Weco Products Company, Chicago, Ill. Snood or similar article. 138,331; July 18.
Electric Service Supplies Company. (See Hallman, Eric B., assignor.)
Fibro Container Corporation. (See Awsumb, R. J.)
Fibro Container Corporation. (See Mielke, Gretchen, assignor.)
Furst, Clifford A., New York, N. Y. Earring. 138,332; July 18.
Gassett, Enrique J., San Antonio, Tex. Handkerchief. 138,333; July 18.
Giiardi, Adrian J., Seattle, Wash. Templet for drawing ellipses. 138,342; July 18.
Granese, Anthony, Blackwood Terrace, N. J. Combined salt and pepper shaker. 138,343; July 18.
Gross, Max, assignor to Chic-Maid Hat Manufacturing Co., Inc., Buffalo, N. Y. Woman's hat frame. 138,314; July 18.
Gross, Max, assignor to Chic-Maid Hat Manufacturing Co., Inc., Buffalo, N. Y. Woman's hat frame. 138,315; July 18.
Gross, Max, assignor to Chic-Maid Hat Manufacturing Co., Inc., Buffalo, N. Y. Woman's hat frame. 138,316; July 18.
Hallman, Eric B., assignor to Electric Service Supplies Company, Philadelphia, Pa. Housing for a vehicle light. 138,317 July 18.
Hopkins, Hiram, Los Angeles, Calif. Combined baby stroller and feeder. 138,318; July 18.
Hopkins, Hiram, Los Angeles, Calif. Baby walker. 138,319; July 18.
Hopkins, Hiram, Los Angeles, Calif. Stroller. 138,334; July 18.
Huff, Basil D., New York, N. Y. Belt. 138,344; July 18.
Johnston, Spurgeon L., Tiburon, Calif. Automobile accelerator pedal attachment. 138,320; July 18.
Kahn, David, Englewood, N. J. Pencil. 138,345; July 18.
Kahn, David, Englewood, N. J. Fountain pen. 138,346; July 18.
Kuznetz, Samuel, New York, N. Y. Dress. 138,347; July 18.
Kuznetz, Samuel, New York, N. Y. Dress. 138,348; July 18.
Kuznetz, Samuel, New York, N. Y. Dress. 138,349; July 18.
Lanier, Edward M., Newark, N. J. Airplane. 138,350; July 18.
Lanier, Edward M., Newark, N. J. Airplane. 138,351; July 18.
Lyons, William, Lybrook, assignor to William Lyons Novelty Co. Inc., New York, N. Y. Combined cornice, curtain and drapery bracket. 138,321; July 18.
Lyons, William, Novelty Co. Inc. (See Lyons, William, assignor.)
Marsh, George E. (See Trifonoff, Boris, assignor.)
Melichar, Joseph F., assignor to The Parker Appliance Company, Cleveland, Ohio. Actuator handle. 138,322; July 18.
Melichar, Joseph F., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve. 138,323; July 18.
Mielke, Gretchen, assignor to Fibro Container Corporation, Minneapolis, Minn. Toy. 138,324; July 18.
Morando, Emanuel R., New York, N. Y. Combined service tray and lamp table. 138,352; July 18.
Parker Appliance Company, The. (See Melichar, Joseph F., assignor.)
Philippe, Alfred, Providence, R. I. Brooch pin. 138,353; July 18.
Pool, Clarence, Rivera, Calif. Valve check. 138,325; July 18.
Rambusch Decorating Company. (See Rambusch, Edward, assignor.)
Rambusch, Edward, Harrison, assignor to Rambusch Decorating Company, New York, N. Y. Porthole ventilator. 138,326; July 18.
Rapaport, Meyer, Chicago, Ill. Toy or the like. 138,359; July 18.
Sanders, James J., Nashville, Tenn. Ball tossing and catching game device. 138,360; July 18.
Siebert, Irwin, Cleveland, Ohio. Mop wringer. 138,361; July 18.
Smallman, Samuel J., New York, N. Y. Combined billfold, pass holder and change purse. 138,354; July 18.
Smith, Earl F., and G. K. Wilson, Muncie, Ind. Basket or similar article. 138,327; July 18.
Solash, Max, Linden, N. J. Hat. 138,328; July 18.
Texas Tanning & Manufacturing Co. (See Tolbert, Arthur A., assignor.)
Tolbert, Arthur A., assignor to Texas Tanning & Manufacturing Co., Yoakum, Tex. Back for billfold or similar article. 138,355; July 18.
Trifonoff, Boris, assignor of fifty per cent to George E. Marsh, East Liverpool, Ohio. Salt shaker. 138,356; July 18.
Trifonoff, Boris, assignor of fifty per cent to George E. Marsh, East Liverpool, Ohio. Pepper shaker. 138,357; July 18.
Victor Metal Products Corporation. (See Derham, Philip A., assignor.)
Wasson, Fred C., Alhambra, Calif. Toy airplane. 138,329; July 18.
Weco Products Company. (See Després, Lilly D., assignor.)
Weeks, Wesley D., Phillips, Tex. Tray or similar article. 138,358; July 18.
Wilson, Kuy Kenneth. (See Smith, E. F., and Wilson.)
Wisecarver, George B., Pileville, Ky. Walking cane. 138,330; July 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Ernest D., Athol, Mass. Saw rig. 2,354,095; July 18.
Aeronautical Manufacturing Corporation. (See Lane, C. J., and Patterson, assignors.)
Agriculture of the United States of America, and to his successors in office, Claude R. Wickard, as Secretary of. (See Fox, Edward R., assignor.)
Agriculture of the United States of America, and his successors in office, Claude R. Wickard, as Secretary of. (See Stamm, Alfred J., and Seborg, assignors.)
Aicher, John O., Cleveland Heights, Ohio, assignor to General Electric Company. Cathode for discharge tubes. 2,353,635; July 18.
Aiken, Thomas McG., Pittsburgh, Pa. Camera. 2,354,168; July 18.
Akron Standard Mold Company, The. (See Schnedarek, Emil F., assignor.)
Aktiebolaget Formator. (See Granstedt, Karl E., assignor.)
Alaska Packers Association. (See Butler, Frederick W., assignor.)
Alden, Milton, Brockton, Mass. Electric connector. 2,353,628; July 18.
Alien Property Custodian. (See Banning, Hellmuth.)
Alien Property Custodian. (See de Giacomoni, Paul M. J. S.)
Alien Property Custodian. (See Gauthier, Gaston.)
Alien Property Custodian. (See Hubert, E., and Rein.)
Alien Property Custodian. (See Koppers, Heinrich.)
Alien Property Custodian. (See Kummerer, Wilhelm.)
Alien Property Custodian. (See Menzel, Friedrich.)
Alien Property Custodian. (See Molly, Hans.)
Alien Property Custodian. (See Netalová, A., and Wolfová.)
Alien Property Custodian. (See van Bergen Lambertus, A.)
Allis-Chalmers Manufacturing Company. (See Ray, James L., assignor.)
AlnCin, Inc. (See Sharpe, A. H., and Walker, assignors.)
Aluminum Company of America. (See Colson, Herman H., assignor.)
American Can Company. (See Gordon, J. H., Jr., and Grover, assignors.)
American Can Company. (See Hubbell, Arthur C., assignor.)
American Can Company. (See Le Frank, John D., assignor.)
American Can Company. (See Magill, Donald G., assignor.)
American Can Company. (See Nordquist, Ronald E. J., assignor.)
American Can Company. (See Peck, Carl F., assignor.)
American Can Company. (See Robinson, J. E., and Bigger, assignors.)
American Enka Corporation. (See Henry, William V., assignor.)
American Laundry Machinery Company, The. (See Matthews, A., Pauly, and Maxon, assignors.)
American Seal-Kap Corporation of Delaware. (See Clark, K., and Vore, assignors.)
American Seal-Kap Corporation of Delaware. (See Storrs, Arnold B., assignor.)
American Steel and Wire Company of New Jersey, The. (See Brickman, Alan E., assignor.)
American Telephone and Telegraph Company. (See Kennedy, William J., assignor.)
American Telephone and Telegraph Company. (See Rhoads, Charles S., assignor.)
American Zinc, Lead & Smelting Company. (See Monk, Reginald H., assignor.)
Anemostat Corporation of America. (See Honerkamp, Friedrich, assignor.)
Apfelbaum, Huna L., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Pill dispensing container. 2,353,629; July 18.
Archer, David T., Dublin, Eire. Shelling eggs. 2,354,096; July 18.
Arenco Aktiebolag. (See Danielsson, Paul, assignor.)
Armstrong, Leslie R., Porter, Ind. Gas burner. 2,353,865; July 18.
Askue, Albert R., Mentor, assignor to The Cleveland Trencher Company, Cleveland, Ohio. Excavator bucket. 2,353,685; July 18.
Associated Patentees, Inc. (See Borton, Alwyn E., assignor.)

Atwell, Clarence A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Direct-current motor. 2,354,097; July 18.
Auto Research Corporation. (See Kocher, Edward H., assignor.)
Autographic Register Company. (See Johnson, Arthur A., assignor.)
Automatic Electric Laboratories, Inc. (See Horlacher, Albert F., assignor.)
Automatic Products Company. (See Pawelsky, V. R., and Biermann, assignors.)
Automatic Products Company, Limited, et al. (See Thornbill, Peter W., assignor.)
"Automatic" Sprinkler Company of America. (See Wood, C. M. (assignor), and Jones.)
Automotive Products Company, Limited, et al. (See Eves, F. S., and Bamford, assignors.)
Avery, Henry A., Groton, and C. Walker, assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 2,353,803; July 18.
Babcock & Wilcox Company, The. (See Wilcoxson, Leslie S., assignor.)
Bach, Jesse M., Bronx, N. Y. Ball game. 2,353,866; July 18.
Bailey, Earl L., San Francisco, Calif. Garment tag fixing and marking device. 2,353,636; July 18.
Baird Machine Company, The. (See Barnes, Leslie W., assignor.)
Baker, Irving C., and R. A. Gonzalez, Dayton, Ohio, assignors to Chrysler Corporation, Detroit, Mich. Air-conditioning system. 2,353,804; July 18.
Baker, John S., Los Angeles, Calif. Cooker. 2,353,805; July 18.
Baker Perkins Limited, et al. (See Craig, R., and (Harber, assignor).)
Baker, William V. (See Dodge, M. L., and Baker.)
Balcomb, Carl B., Dayton, Ohio, assignor of one-half to W. P. York, Aurora, Ill. Producing color separations in art work. 2,353,867; July 18.
Bamber, William, Banstead, England. Cardboard box. 2,354,098; July 18.
Bamford, Alfred C. (See Eves, F. S., and Bamford.)
Bamford, Denby C., et al., administrators. (See Eves, F. S., and Bamford.)
Bamford, Gertrude M. D., et al., administrators. (See Eves, F. S., and Bamford.)
Bandy, B. J. (See Windham, R. H., and Phillips, assignors.)
Bank of America National Trust and Savings Association, et al., executors. (See Replogle, Daniel B.)
Banning, Hellmuth, Duren, Rhineland, Germany; vested in the Alien Property Custodian. Purification of pulp. 2,353,983; July 18.
Barnes, Leslie W., Long Hill, assignor to The Baird Machine Company, Stratford, Conn. Tumbling barrel. 2,353,637; July 18.
Barnett, Robert S. (See Kaufman, G., Uhrig, and Barnett.)
Barone, Anthony, New York, N. Y. Air-pervious clothing. 2,353,984; July 18.
Barr, Courtland H., Glenolden, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Preservation of biologically active substances. 2,356,985; July 18.
Barr, Courtland H., Glenolden, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Preservation. 2,353,986; July 18.
Bartlett, Frederick S., Bristol, R. I., assignor to United States Rubber Company, New York, N. Y. Liquid applicator. 2,353,987; July 18.
Batesole, Dwight E., Glenbrook, and G. H. Kendall, Noroton Heights, assignors to Norma-Hoffmann Bearings Corporation, Stamford, Conn. Seal for antifriction bearings. 2,353,988; July 18.
Beaucage, Joseph H. D., Pittsfield, Mass. Geometrical instrument. 2,353,989; July 18.
Beaulieu, Ezra J., Downers Grove, L. E. Bennett, Hinsdale, and P. S. McCann, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Conveyer system. 2,353,638; July 18.
Beech Aircraft Corporation. (See Duffy, D. H., Wiley, and Ross, assignors.)
Bell Telephone Laboratories, Incorporated. (See Kingsley, Charles C., assignor.)
Bendix Aviation Corporation. (See Janes, Clinton S., assignor.)

Bendix Aviation Corporation. (See Jones, Burr W., assignor.)
Bendix Aviation Corporation. (See Price, Earl R., assignor.)
Bendix Home Appliances, Inc. (See Bowen, Myron W., assignor.)
Bennett, Loren E. (See Beaulieu, E. J., Bennett, and McCann.)
Bergeron, Alvin W. (See Croft, C. M., Bergeron, and Dodge.)
Berry, Russell. Royal Oak, Mich. Sash balance. 2,353,630; July 18.
Berryman, Elmer H. (See Lindsey, Ernest E., assignor.)
Berthold, Wolf, Weehawken, and W. W. Rea, Chatham, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for controlling spooling motors. 2,353,639; July 18.
Bess, Cornelius G., U. S. Army, Geiger Field, Wash. Garment hanger. 2,354,099; July 18.
Beyer, Herman F. (See Knochel, W. J., and Beyer.)
Biermann, William A. (See Pawelsky, V. R., and Biermann.)
Bigger, Richard P. (See Robinson, J. E., and Bigger.)
Bisbee, David P., San Marino, Calif., R. J. Seltzer, Chicago, Ill., and P. F. Thayer, Sparrows Point, Md., assignors to Rheem Manufacturing Company, Richmond, Calif. Head and cylinder welding stake. 2,353,868; July 18.
Bishop, James A., Bridgeville, Pa. Apparatus for making tufts for tufted rugs. 2,353,640; July 18.
Bixby, William H., East Providence, R. I., assignor to Green Brothers, Inc. Staple package. 2,354,083; July 18.
Blackstone Manufacturing Co. (See Maier, Carl E., assignor.)
Blair, Tom A., Amarillo, Tex. Tamping device. 2,353,990; July 18.
Blay, Harold P., and F. G. Thannhauser, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Steering wheel cigarette case. 2,353,806; July 18.
Bliss, Warren H., Orono, Maine, assignor to Radio Corporation of America. Image reproducing apparatus. 2,353,631; July 18.
Bloom, Oscar T., assignor to Industrial Patents Corporation, Chicago, Ill. Defeathering compound. 2,353,869; July 18.
Blume, Frank J., Chicago, Ill. Pneumatic dispatch system. 2,353,870; July 18.
Bohn Aluminum & Brass Corporation. (See Pattison, Wayne W., assignor.)
Borton, Alwyn E., South Orange, assignor to Associated Patentees, Inc., Ampere, N. J. Cartridge link manufacture. 2,353,632; July 18.
Boutwell, Clarence E., Birmingham, Ala. Forming plastic solutions and incorporating solid filling material therein. 2,353,991; July 18.
Bowen, Myron W., Niles, Mich., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Combined water pump and valve. 2,353,871; July 18.
Bowen, William S., Westfield, N. J. Radiant heater. 2,354,100; July 18.
Bowers, Frederick M. (See Maillart, Edmond B., assignor.)
Bramble, Donald E., Chicago, Ill. Safety lock for semi-trailers. 2,353,992; July 18.
Brandt, Weldon H. (See Horstman, C. C., and Brandt.)
Branham, Arthur K. (See Caldwell, C. W., and Branham.)
Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Shock absorber. 2,353,872; July 18.
Briskin, Jack. (See Lake, D. W., and Briskin.)
Bristol Aeroplane Company Limited, The. (See Owner, Frank M., assignor.)
British Insulated Cables Limited. (See Handley, W. C., and Quayle, assignors.)
Brockett, Glenn F., assignor to Fisher Governor Company, Marshalltown, Iowa. Liquid level responsive means. 2,353,641; July 18.
Broders, Claude O., assignor to United Aircraft Corporation, East Hartford, Conn. Fan construction. 2,354,101; July 18.
Bromilow and Edwards Limited. (See Swift, Herbert W., assignor.)
Bromley, Mellor, and Co. Limited. (See Shortland, Arthur, assignor.)
Brown, Deskin I., assignor of one-half to W. J. Steiner, Laura, Ohio. Power transmission mechanism. 2,353,807; July 18.
Brown, Robert, New York, assignor to Brownmil Laboratories, Inc., Brooklyn, N. Y. Soap and its manufacture. 2,354,686; July 18.
Browne, Thomas E., Jr. (See Langer, B. F., and Browne.)
Brownlee, Robert L., Chicago, Ill. Timber saw. 2,353,873; July 18.
Brownmil Laboratories, Inc. (See Brown, Robert, assignor.)
Brumbaugh, John M. (See Keck, A., and Brumbaugh.)
Brunner, Otto, Jackson Heights, N. Y. Display device. 2,354,102; July 18.
Bruson, Herman A., and T. W. Riener, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Cyanoaldehydes and producing them. 2,353,687; July 18.
Buchanan, J. D., Burbank, Calif. Metalworking apparatus. 2,353,874; July 18.
Buice, Albert A., Atlanta, Ga. Chain wrench. 2,353,642; July 18.
Bulbulian, Arthur H., Rochester, Minn. Head harness for masks. 2,353,643; July 18.
Bullock, Laurie H., et al, executors. (See Replogle, Daniel B.)
Burgess, Charles O., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Improving abrasion resistance of alloys. 2,353,688; July 18.
Burgess, James H., Marion, and G. W. Fender, Nebo, N. C. Warp stop mechanism for looms. 2,353,644; July 18.
Burnham, Ethel W., Sierra Madre, Calif. Knitting needle. 2,353,875; July 18.
Bush, Burton T., Inc. (See Gump, William S., assignor.)
Bush, Burton T., Inc. (See Kunz, E. C., Luthy, and Gump, assignors.)
Butenandt, Adolf, Berlin-Dahlem, J. Schmidt-Thomé, Berlin-Zehlendorf, Germany, and E. Schwenk, assignors to Schering Corporation, Bloomfield, N. J. Compounds of the cyclopentano-polyhydrophenanthrene series and manufacture of the same. 2,353,808; July 18.
Butler, Ernest L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening forming machine. 2,353,645; July 18.
Butler, Frederick W., Oakland, assignor to Alaska Packers Association, San Francisco, Calif. Can transfer apparatus and method. 2,354,103; July 18.
Caldwell, Chester W., West Lafayette, and A. K. Branham, Lafayette, Ind. Recording apparatus. 2,353,633; July 18.
Caldwell, Lyle. (See Seaton, Max Y., assignor.)
Caley, William T., assignor to Kalamazoo Stove & Furnace Company, Kalamazoo, Mich. Combination oil and gas range. 2,353,689; July 18.
Cantley, Joseph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Finishing tool. 2,353,646; July 18.
Caplin, Frank, Bournemouth, and C. E. Payne, Mitcham, England, assignors to Radio Corporation of America, New York, N. Y. Band-spread tuning circuit for radio receivers. 2,354,104; July 18.
Carborundum Company, The. (See Wooddell, Charles E., assignor.)
Carlson, Ora E., et al. (See Kogl, Frank, assignor.)
Carlson, Walter H., et al. (See Kogl, Frank, assignor.)
Carmichael, Asa B., Tujunga, Calif. Apparatus for performing circumcisions. 2,353,647; July 18.
Carnegie-Illinois Steel Corporation. (See Mursch, William H., assignor.)
Carson, Everett E. (See Roberts, John F., assignor.)
Garson, Robert J., Kane, Pa. Skate carrier. 2,353,809; July 18.
Case, J. I., Company. (See Geraldson, Gerald, assignor.)
Cavicchioli, Mario, New York, N. Y. Waste and grease trap. 2,353,993; July 18.
Cawein, Madison, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Signal mixing amplifier. 2,353,876; July 18.
Celanese Corporation of America. (See Croft, C. M., Bergeron, and Dodge, assignors.)
Certain-Teed Products Corporation. (See Gardner, Harry F., assignor.)
Certain-Teed Products Corporation. (See MacNutt, Arthur D., assignor.)
Chadburn's (Ship) Telegraph Company Limited, et al. (See Eves, F. S., and Bamford, assignors.)
Chapman, Percival W., Norwich, and O. A. Jouret, Moosup, assignors to The Lester & Wasley Co., Inc., Norwich, Conn. Machine for treating paper. 2,353,994; July 18.
Chollar, Robert G., assignor to The National Cash Register Company, Dayton, Ohio. Making resilient porous products. 2,353,877; July 18.
Christopher, Edward F., assignor to Industrial Patents Corporation, Chicago, Ill. Dehairing skins. 2,353,878; July 18.
Chromogen, Incorporated. (See Gáspár, Béla, assignor.)
Chrysler Corporation. (See Baker, I. C., and Gonzalez, assignors.)
Chrysler Corporation. (See Blay, H. P., and Thannhauser, assignors.)
Chrysler Corporation. (See Eddins, Daniel S., assignor.)
Chrysler Corporation. (See McKechnie, Ian C., assignor.)
Chrysler Corporation. (See Wallace, David A., assignor.)
Church, Joseph H., Austin, Minn. Rotating band. 2,353,693; July 18.
Ciba Pharmaceutical Products, Incorporated. (See Miescher, K., and Heer, assignors.)
Cities Service Oil Company. (See Morgan, John D., assignor.)
Clark, Genevieve, et al. (See Kogl, Frank, assignor.)
Clark, Kempton, Little Compton, R. I., and H. G. Vore, Jackson Heights, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Bottle cap. 2,353,879; July 18.
Clark, Minnie M., et al. (See Kogl, Frank, assignor.)
Clarke, John E. (See Heltzer, H., and Clarke.)
Clarkson, Richard G., Wilmington, Del., and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic substances. 2,353,690; July 18.

Cleveland Trencher Company, The. (See Askue, Albert R., assignor.)
Clingman, Palmer, Fairfield, Conn. Torsionmeter. 2,353,691; July 18.
Coffing, Frederick W., Danville, Ill., and R. H. Johnston, Newtown, Ind., assignors to Coffing Hoist Company. Free-chain planetary hoist. 2,353,648; July 18.
Coffing Hoist Company. (See Coffing, F. W., and Johnston, assignors.)
Cohen, William B., assignor to Stuart Products Company. St. Paul, Minn. Container support for perfumes. 2,353,649; July 18.
Cole, Edward L., and H. H. Gross, Beacon, assignors to The Texas Company, New York, N. Y. Separation of solids from mixtures of solids and liquids. 2,353,810; July 18.
Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for installing elastic covers. 2,353,650; July 18.
Colson, Herman H., Teaneck, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Material handling mechanism. 2,353,651; July 18.
Colt's Patent Fire Arms Manufacturing Company. (See Conner, Benjamin F., assignor.)
Colt's Patent Fire Arms Manufacturing Company. (See Schmalz, William F., assignor.)
Colt's Patent Fire Arms Manufacturing Company. (See Webb, George, assignor.)
Columbia Recording Corporation. (See Rodman, Isaac P., assignor.)
Columbian Rope Company. (See Cooke, B. A., and Gane, assignors.)
Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Molded article and making the same. 2,353,995; July 18.
Consolidated Edison Company of New York, Inc. (See Hyde, George, assignor.)
Consolidated Vultee Aircraft Corporation. (See Growald, Henry K., assignor.)
Continental Can Company. (See Schmitt, Otto A., assignor.)
Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,354,105; July 18.
Cooke, Boris A., and L. W. Gane, assignors to Columbian Rope Company, Auburn, N. Y. Molding. 2,353,996; July 18.
Coonrod, Paul, Kilgore, Tex., assignor to Production Supply Company, Oklahoma City, Okla. Removable bottom hole choke. 2,353,652; July 18.
Cooper, Charles L., Los Angeles, Calif. Oil burner. 2,353,880; July 18.
Cooper, Mary K., Dayton, Ohio. Combined desk and table. 2,354,106; July 18.
Cooper, Robert H., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of thiourea. 2,353,997; July 18.
Cooper, William A., assignor to William Cotton Limited, Loughborough, England. Knitting machine and sinker. 2,353,634; July 18.
Cortez, Daniel, Washington, and C. Paternoster, Duquesne, Pa. Muffler. 2,353,998; July 18.
Costa, José A. Q., Buenos Aires, Argentina. Orthopedic hands. 2,353,811; July 18.
Cotton, William, Limited. (See Cooper, William A., assignor.)
Counts, Kermit A., Winchester, Tenn. Wooden wagon and spring therefor. 2,353,999; July 18.
Craig, Robert, Heswall, and L. S. Harber, said Harber assignor to Baker Perkins Limited, Peterborough, and said Craig assignor to Lever Brothers & Unilever Limited, Port Sunlight, England. Process and apparatus for molding soap. 2,354,000; July 18.
Crake, Wilfred St. M. E., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Oil well liner screen. 2,353,881; July 18.
Crampton, Paul G., Arlington, N. J. Coin holder for making change. 2,354,001; July 18.
Crepe de Chine, Inc. (See Hathorne, B. L., and Seem, assignors.)
Crockett, Frank L., Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass. Cotton comber. 2,353,812; July 18.
Croft, Cyril M., and A. W. Bergeron, Cumberland, and F. G. Dodge, La Vale, Md., assignors to Celanese Corporation of America. Winding apparatus. 2,353,653; July 18.
Cunningham, Lewis L., assignor to General Controls Co., Glendale, Calif. Control system. 2,353,692; July 18.
Danielsson, Paul, Stockholm, Sweden, assignor to Arenco Aktiebolag. Dressing fish. 2,353,654; July 18.
Day, Herbert O., Bowling Green, Ohio. Mobile loading equipment. 2,353,655; July 18.
Dayton Rubber Manufacturing Company, The (See Ritzert, Norman J., assignor.)
Deeren, Kemp K., Streator, Ill., assignor to Owens-Illinois Glass Company. Gauging apparatus. 2,353,813; July 18.
De Giacomoni, Paul M. J. S., Paris, France; vested in the Alien Property Custodian. Transition between couplings of direct-current motors. 2,354,002; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,694; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,695; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,696; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,697; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,698; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,699; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,700; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,701; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,702; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,703; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,704; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,705; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,706; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,707; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,708; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,709; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,710; July 18.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,353,711; July 18.
De Pew, Chester C., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Torque indicator. 2,353,814; July 18.
Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric wiring apparatus. 2,353,882; July 18.
Dewey, Clarence L., Elkhart, Ind. Bicycle frame. 2,353,712; July 18.
Diamond, Irving, Elizabeth, N. J. Beam clamp. 2,354,107; July 18.
Dicke, Oscar H., Rochester, N. Y. Heating plant. 2,353,815; July 18.
Dickey, Ernest, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,353,883; July 18.
Dilks, Melvern L., Llanerch, Pa. Sash lock. 2,353,953; July 18.
Dodge, Frederick G. See Croft, C. M., Bergeron, and Dodge.)
Dodge, Merton L., and W. V. Baker, Seattle, Wash. Gun and ammunition. 2,353,816; July 18.
Donovan, Cornelius J., Yonkers, N. Y. Match book holder. 2,353,656; July 18.
Doverspike, Frank, Washington, D. C. Trap. 2,353,817; July 18.
Doxford, William, & Sons Limited. See Purdie, William H., assignor.)
Dri-Steam Products, Inc. (See Wegmann, Adolph J., assignor.)
Duell, Edith B., Detroit, Mich. Container. 2,353,818; July 18.

Duell, Edith B., Sharpsburg, Pa. Dispensing container. 2,353,819; July 18.
Duffy, David H., J. W. Wiley, and M. M. Ross, assignors to Beech Aircraft Corporation, Wichita, Kans. Jig for assembling components of substructures. 2,353,954; July 18.
Du Pont, E. I., de Nemours & Company. (See Clarkson, R. G., and Pedersen, assignors.)
Eastman Kodak Company. (See Peterson, Willard D., assignor.)
Eddins, Daniel S., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle body. 2,353,820; July 18.
Edwards, Frederick H., Meriden, Conn. Crushing machine. 2,353,955; July 18.
Edwards, William G., and E. L. McCandless, Kenmore, N. Y., assignors to The Linde Air Products Company. Treatment of castings. 2,353,657; July 18.
Egry Register Company, The. (See Wyrick, Clayton E., assignor.)
Electro Metallurgical Company. (See Burgess, Charles O., assignor.)
Electrolux Corporation. (See Tandberg, Johan G., assignor.)
Enholm, Lewis W., Wollaston, Mass., assignor to W. H. Field, doing business as William H. Field Company, Boston, Mass. Grinding apparatus. 2,353,956; July 18.
Erland af Kleen, Nils, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Thermostat device for absorption refrigerating apparatus. 2,353,713; July 18.
Erland af Kleen, Nils, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Absorption refrigerating apparatus. 2,353,714; July 18.
Erland af Kleen, Nils, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Absorption refrigerating apparatus. 2,353,715; July 18.
Ernst, Walter, Mount Gilead, Ohio, and D. C. Youngblood, Park Ridge, Ill., assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del. Hydraulic press. 2,354,003; July 18.
Erskine, Herbert W., et al. (See Fanger, H. J., and Gruenhagen, assignors.)
Estey, Roger S., Buffalo, W. F. Peck, Snyder, and K. W. Harper, East Aurora, assignors to Spencer Lens Company, Buffalo, N. Y. Colorimetric apparatus. 2,353,716; July 18.
Evelyn, Stephen J. (See Rostoker, L., and Evelyn.)
Eves, Frederick S., Leamington Spa, and A. C. Bamford, deceased, Liverpool, by G. M. D. and D. C. Bamford, Hoylake, administrators, assignors to Automotive products Company, Limited, Leamington Spa, and Chadburn's (Ship) Telegraph Company Limited, Bootle, Liverpool, England. Liquid pressure remote-control system. 2,353,884; July 18.
Excel Auto Radiator Company. (See Lake, D. W., and Briskin, assignors.)
Fairchild Engine and Airplane Corporation. (See De Pew, Chester C., assignor.)
Falk Corporation, The. (See Schmitter, Walter P., assignor.)
Fanger, Herman J. (See Shaffer, C. F., Fanger, and Gruenhagen.)
Fanger, Herman J., and H. Gruenhagen, Oakland, assignors of thirty per cent to M. C. Morgensen, Martinez, thirty per cent to H. W. Erskine, Piedmont, thirty per cent to C. F. Shaffer, San Francisco, Calif., five per cent to said H. Gruenhagen and five per cent to H. J. Fanger. Shoulder mortar. 2,353,885; July 18.
Farnsworth Television and Radio Corporation. See Cawein, Madison, assignor.)
Faulk, Donald F. (See Pearson, R. W., and Faulk.)
Fellows Gear Shaper Company, The. (See Ross, Walter F., assignor.)
Fellows Gear Shaper Company, The. (See Williamson, James L., assignor.)
Fender, Garrett W. (See Burgess, J. H., and Fender.)
Fess, Jacob, Chicago, Ill. Condiment holder. 2,354,004; July 18.
Field, William H. (See Enholm, Lewis W., assignor.)
Field, William H., Company. (See Enholm, Lewis W., assignor.)
Findley, Ralph, Detroit, Mich., and H. L. Fultz, Dayton, Ohio. Precision measuring instrument. 2,353,886; July 18.
Fisher Governor Company. (See Brockett, Glenn F., assignor.)
Flemming, Leopold, Berlin-Schoneberg, Germany, assignor to General Aniline & Film Corporation, New York, N. Y. Copying apparatus. 2,354,108; July 18.
Fletcher, Ed, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Fiber attenuating apparatus. 2,353,887; July 18.
Flood, Edward A., Rockcliffe Park, Ontario, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Canada. Forming selenium coatings. 2,354,109; July 18.
Flowers, Paul E., Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Device for metal drawing. 2,354,005; July 18.
Folmer Graflex Corporation, The. (See Hineline, Edson S., assignor.)
Folmer Graflex Corporation, The. (See Nitsch, Reynold J., assignor.)
Folmer Graflex Corporation, The. (See Sprague, Joseph A., assignor.)
Folmer Graflex Corporation, The. (See Steiner, Oscar, assignor.)
Food Machinery Corporation. (See Stebler, Fred, assignor.)
Ford, James G., Sharon, and R. D. Spencer, Irwin, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Resinous material embodying glass fibers. 2,354,110; July 18.
Fourness, Charles A., Appleton, and R. A. Moravek, Neenah, Wis., assignors to Paper Patents Company. Apparatus for making compressed wadding rolls. 2,353,821; July 18.
Fox, Edward J., Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America and to his successors in office. Production of dicalcium phosphate and ammonium chloride. 2,353,658; July 18.
Francis, Carleton S., Jr., Chestnut Hill, Pa., and W. Wade, Scarsdale, N. Y., assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Process and article for treating materials and articles so produced. 2,353,717; July 18.
Frank, William R., Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Rear wheel mounting for plows. 2,353,659; July 18.
Frech, Theodore W., Cleveland, Ohio, assignor to General Electric Company. Starting control for electric discharge devices. 2,353,660; July 18.
Fredholm, Henry M., Midlothian, Ill. Automobile door and window lock. 2,354,169; July 18.
Freeport Sulphur Company. (See Hills, Robert C., assignor.)
Frid, Eric M., Malung, Sweden. Device for rolling rods of veneer and the like. 2,353,957; July 18.
Fronmuller, Douglas. (See Rowland, B. W., Fronmuller, and Van den Akker.)
Frost, Marvin D. (See Spurlino, P., Goodbar, and Frost.)
Fuel Refining Corporation. (See Otto, Carl, assignor.)
Fuge, Fred T., Fostoria, Ohio. Picture projector. 2,353,888; July 18.
Fulmer, Charles A., Waukegan, Ill. Honing machine. 2,353,958; July 18.
Fulton Syphon Company, The. (See Giesler, Jean V., assignor.)
Fultz, Harry L. (See Findley, R., and Fultz.)
Gane, Leonard W. (See Cooke, B. A., and Gane.)
Garber, Thomas H., Richmond, assignor to Larus and Brother Company, Inc., Henrico County, Va. Tobacco. 2,353,718; July 18.
Gardenhour, Allen J., Waynesboro, Pa. Fire detector. 2,354,111; July 18.
Gardner, Harry F., Snyder, assignor to Certain-Teed Products Corporation, New York, N. Y. Plastic composition for wallboard joints. 2,353,822; July 18.
Garst, Jonathan, Palo Alto, Calif. Harvester. 2,354,112; July 18.
Gáspár, Béla, Hollywood, Calif., assignor to Chromogen, Incorporated. Obtaining photographic images. 2,353,661; July 18.
Gauthier, Gaston, Chambery, Savoie, France; vested in the Alien Property Custodian. Aluminum base alloy with protective coating. 2,354,006; July 18.
Gaynor, James W. (See Loane, C. M., and Gaynor.)
General Aircraft Corporation. (See Koppen, Otto C., assignor.)
General Aniline & Film Corporation. (See Flemming, Leopold, assignor.)
General Aniline & Film Corporation. (See Heymer, Gerd, assignor.)
General Aniline & Film Corporation. (See Lommel, W., and Münzel, assignors.)
General Aniline & Film Corporation. (See Reichel, Maximilian K., assignor.)
General Chemical Company. (See Neumark, Hans R., assignor.)
General Controls Co. (See Cunningham, Lewis L., assignor.)
General Electric Company. (See Aicher, John O., assignor.)
General Electric Company. (See Frech, Theodore W., assignor.)
General Electric Company. (See Hinman, Donald D., assignor.)
General Electric Company. (See Lyman, Harold T., assignor.)
General Electric Company. (See Mainwaring, Walter E., assignor.)
General Electric Company. (See McArthur, Elmer D., assignor.)
General Electric Company. (See Noel, Edward B., assignor.)
General Electric Company. (See Powers, James H., assignor.)
General Electric Company. (See Smith, Arthur R., assignor.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric Company. (See Vance, Paul A., assignor.)

General Electric Company. (See Weder, William J., assignor.)
General Mills, Inc. (See James, Thomas R., assignor.)
General Mills, Inc. (See Nystrom, Lawrence V., assignor.)
General Motors Corporation. (See Dickey, Ernest, assignor.)
General Motors Corporation. (See Haynes, James L., assignor.)
General Motors Corporation. (See Kelley, Oliver K., assignor.)
General Properties Company. (See Myler, William M., Jr., assignor.)
General Railway Signal Company. (See Rees, Frank X., assignor.)
General Railway Signal Company. (See Reichard, Wade H., assignor.)
General Railway Signal Company. (See Stephenson, James E., assignor.)
Geraldson, Gerald, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Tractor attachment. 2,354,084; July 18.
Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Temperature regulator. 2,353,889; July 18.
Gleason Works. (See Schlesinger, Bernard E., assignor.)
Goldfield, Edwin R., University Heights, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Cable end construction. 2,353,719; July 18.
Goldfield, Edwin R., University Heights, and E. B. Graves, South Euclid, assignors to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Cooled X-ray tube head. 2,353,720; July 18.
Goldman, Paul R., Andover, assignor to Plymold Corporation, Lawrence, Mass. Implemental equipment for life rafts and the like. 2,353,662; July 18.
Goldsmith, Alfred N., New York, N. Y. Automatic reverberation control. 2,354,176; July 18.
Goldsmith, Philip H., Wilmington, Del. Paper machine flow mixer. 2,354,007; July 18.
Gonzalez, Rafael A. (See Baker, I. C., and Gonzalez.)
Goodbar, Mayo A. (See Spurlino, P., Goodbar, and Frost.)
Goodrich, B. F., Company, The. (See Colley, Russell S., assignor.)
Goodrich, B. F., Company, The. (See Gross, Malcolm E., assignor.)
Goodrich, B. F., Company, The. (See Haren, Urban C., assignor.)
Gordon, James H., Jr., Geneva, N. Y., and V. T. Grover, Maplewood, N. J., assignors to American Can Company, New York, N. Y. Coating machine. 2,353,721; July 18.
Gorton, Walter T., U. S. Army, Springfield, Mass. Gun. 2,353,722; July 18.
Gould, Arthur R., Kansas City, Kans. Apparatus for coating metals and similar materials. 2,354,113; July 18.
Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, Sweden. Machine for the manufacture of cigar bunches or the like. 2,353,663; July 18.
Graves, Edward B. (See Goldfield, E. R., and Graves.)
Graviner Manufacturing Company. (See Mathisen, Anders, assignor.)
Graviner Manufacturing Company Limited. (See Salmond, H. M., and Mathisen, assignors.)
Greaves, Valentine F., Oakland, Calif. Progressive separator. 2,353,664; July 18.
Green Brothers, Inc. (See Bixby, William H., assignor.)
Green, Joseph, Brooklyn, N. Y., assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Toy organ. 2,353,890; July 18.
Grey, Milton K., assignor to Hill-Shaw Company, Chicago, Ill. Beverage brewing apparatus. 2,354,008; July 18.
Groene, William F., and Harold J. Siekmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft chuck. 2,354,009; July 18.
Groene, William F., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Spindle control mechanism. 2,354,010; July 18.
Groskopf, Edwin O., Rutherford, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Composition of matter for crack sealers or the like. 2,353,723; July 18.
Gross, Howard H. (See Cole, E. L., and Gross.)
Gross, Malcolm E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Adhering rubber to metal and product thereof. 2,354,011; July 18.
Grover, Victor T. (See Gordon, J. H., Jr., and Grover.)
Growald, Henry K., San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Aircraft gun installation. 2,354,114; July 18.
Gruenhagen, Henry. (See Fanger, H. J., and Gruenhagen.)
Gruenhagen, Henry. (See Shaffer, C. F., Fanger, and Gruenhagen.)
Gruntorad, Anton J., Cicero, Ill. Adjustable work-holding device. 2,353,891; July 18.
Gubisch, Erwin A., assignor to Teletype Corporation, Chicago, Ill. Unit guiding and latching device. 2,354,115; July 18.
Gump, William S. (See Kunz, E. C., Luthy, and Gump.)
Gump, William S., Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Germicidal soap. 2,353,724; July 18.
Gump, William S., Montclair, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Dihydroxy halogenated diphenyl methanes and making same. 2,353,725; July 18.
Gump, William S., Montclair, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Dihydroxy halogenated diphenyl methanes and making same. 2,354,012; July 18.
Gump, William S., Montclair, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Dihydroxy halogenated diphenyl methanes and making same. 2,354,013; July 18.
Guttmann, Eric S., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Layout apparatus. 2,353,726; July 18.
Hable, George J. (See Lawler, W. P., Hable, and Steinle.)
Haibe, Ora F., Indianapolis, Ind. Intake fuel system for internal-combustion engines. 2,353,665; July 18.
Haines, Edward C., Moorestown, N. J. Food product preservation. 2,354,014; July 18.
Hajek, James L., Jr., Cleveland, Ohio. Auxiliary wing and wheel retracting mechanism for airplanes. 2,354,116; July 18.
Hampel, Clifford A., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Bleaching cellulosic materials. 2,353,823; July 18.
Handley, William C., Frodsham, and J. C. Quayle, Helsby, via Warrington, assignors to British Insulated Cables Limited, Prescot, Lancashire, England. Mounting electric condensers or other articles on support plates. 2,354,015; July 18.
Hanna, Raymond P., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Insulator device. 2,354,117; July 18.
Hansen, Richard B., Akron, Ohio. Pencil holder. 2,354,118; July 18.
Hanson Fish Products Company. (See Parker, Frank E., assignor.)
Harber, Laurence S. (See Craig, R., and Harber.)
Harding, William R., Murrysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Temperature-compensated dynamoelectric machine. 2,354,119; July 18.
Haren, Urban C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for assembling sheet material. 2,354,120; July 18.
Harper, Kennard W. (See Estey, R. S., Peck, and Harper.)
Harris Products Company. (See Storch, Harold A., assignor.)
Hart-Carter Company. (See Johnson, L., and Rieman, assignors.)
Hathorne, Berkeley L., Delray Beach, Fla., and R. W. Seem, Kingston, Pa., assignor to Crepe de Chine, Inc. Yarn and producing the same. 2,353,666; July 18.
Haynes, James L., Glen Ellyn, Ill., assignor to General Motors Corporation, Detroit, Mich. Car truck construction. 2,354,016; July 18.
Hazell, Eardley, North Kingstown, R. I., assignor to United States Rubber Company, New York, N. Y. Making ball centers. 2,354,017; July 18.
Heat Pumps Limited. (See Newcombe, Clare K., assignor.)
Heer, Jules. (See Miescher, K., and Heer.)
Heetderks, Henry J., Holland, Mich. Wringer guard. 2,354,085; July 18.
Heitzer, Harry, and J. E. Clarke, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Light reflector sheet. 2,354,018; July 18.
Henry, William V., Candler, assignor to American Enka Corporation, Enka, N. C. Winding device for strand materials. 2,353,667; July 18.
Hercules Powder Company. (See Pickett, Oscar A., assignor.)
Herr, Donald S. (See Myers, R. J., and Herr.)
Heymer, Gerd, Wolfen, Kreis Bitterfeld, Germany, assignor to General Aniline & Film Corporation, New York, N. Y. Matrix film for the production of colored copies. 2,354,121; July 18.
Heyne, Clarence A., Alton, Ill., assignor to Owens-Illinois Glass Company. Overload clutch. 2,353,824; July 18.
Higgins, Joseph C., Chicago, Ill. Combination table and bench construction. 2,353,892; July 18.
Hill-Shaw Company. (See Grey, Milton K., assignor.)
Hills, Robert C., Port Sulphur, La., assignor to Freeport Sulphur Company, New York, N. Y. Refining sulphur. 2,353,959; July 18.
Hineline, Edson S., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Shutter mechanism for photorecording and other cameras. 2,353,893; July 18.
Hineline, Edson S., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Copying camera unit. 2,353,894; July 18.
Hinman, Donald D., Cleveland Heights, Ohio, assignor to General Electric Company. Electric discharge device. 2,353,668; July 18.
Hipple, John A., Jr., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vacuum tube. 2,354,122; July 18.
Hoffmann-La Roche, Incorporated. (See Lee, J., and Solmssen, assignors.)

Hofmann, Victor E., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Apparatus for molding thermoplastic material. 2,353,825; July 18.
Holden, Orloff W., Chicago, Ill. Spray head. 2,354,019; July 18.
Honekamp, Friedrich, New York, N. Y., assignor to Anemostat Corporation of America. Air outlet device and producing same. 2,353,826; July 18.
Hönger, Guido, Geneva, assignor to Mefina S. A., Binningen, Switzerland. Clockwork escapement. 2,354,020; July 18.
Honorary Advisory Council for Scientific and Industrial Research, The. (See Flood, Edward A., assignor.)
Horlacher, Albert F., Genoa, Ill., assignor to Automatic Electric Laboratories, Inc. Transmitter. 2,354,021; July 18.
Horsefield, Russell J. (See Ross, Earl, assignor.)
Horstman, Clifford C., Sharpsville, and W. H. Brandt, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Insulation for silicon irons. 2,354,123; July 18.
Howard, Styles T., Jeffersonville, Ind. Winding machine. 2,353,727; July 18.
Hubbell, Arthur C., St. Paul, Minn., assignor to American Can Company, New York, N. Y. Apparatus for producing can bodies. 2,353,728; July 18.
Hubert, Emil, Dessau-Ziebigk, and H. Rein, Leipzig, Germany; vested in the Alien Property Custodian. Manufacture of sieve nettings. 2,354,022; July 18.
Huebsch, Joseph O., Jr., assignor to Huebsch Manufacturing Company, Milwaukee, Wis. Method and apparatus for renovating pillows. 2,353,827; July 18.
Huebsch Manufacturing Company. (See Huebsch, Joseph O., Jr., assignor.)
Hyde, George, Darien, Conn., assignor to Consolidated Edison Company of New York, Inc., New York, N. Y. Cinder metering. 2,353,828; July 18.
Hydraulic Development Corporation, Inc., The. (See Ernst, W., and Youngblood, assignors.)
Hydraulic Development Corporation, Inc., The. (See Flowers, Paul E., assignor.)
Hydraulic Development Corporation, The. (See MacMillin, H. F., and Muller, assignors.)
Hydraulic Development Corporation, Inc., The. (See Muller, Johan A., assignor.)
Hydraulic Development Corp. Inc., The. (See Tucker, W. R., and Waldie, assignors.)
I. T. E. Circuit Breaker Company. (See Jensen, Otto, assignor.)
Ihrig, Clifford D., Edgewood, assignor to The Union Switch and Signal Company, Swissvale, Pa. Traffic locking circuit. 2,354,023; July 18.
Industrial Patents Corporation. (See Bloom, Oscar T., assignor.)
Industrial Patents Corporation. (See Christopher, Edward F., assignor.)
Industrial Patents Corporation. (See Lager, Eric W., assignor.)
Ingersoll Milling Machine Company. (See Guttmann, Eric S., assignor.)
Institute of Paper Chemistry, The. (See Rowland, B. W., Fronmuller, and Van den Akker, assignors.)
International Plastic Corporation. (See Schieman, Gustave, assignor.)
Invex Corporation. (See La Forge, Louis H., Jr., assignor.)
Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of paraffin hydrocarbons. 2,353,899; July 18.
Jakosky, John J., Lawrence, Kans. Footwear. 2,353,829; July 18.
James, Bill Y., assignor of one-half to C. Y. James, Miami, Okla. Package wrapping. 2,353,669; July 18.
James, Caroline Y. (See James, Bill Y., assignor.)
James, Thomas R., Minneapolis, Minn., assignor to General Mills, Inc. Locking chain links. 2,354,124; July 18.
Janes, Clinton S., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Electromagnetic brake. 2,353,900; July 18.
Jensen, Otto, Malvern, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Air blast arc chute. 2,353,729; July 18.
Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded track circuit. 2,354,024; July 18.
Jires, Laddie J., Baltimore, Md. Wrench. 2,353,901; July 18.
Johns-Manville Corporation. (See Miles, W. S., and Voigt, assignors.)
Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 2,353,902; July 18.
Johnson, Edwin H., Dayton, assignor to The Kilgore Mfg. Company, Tipp City, Ohio. Firearm. 2,354,025; July 18.
Johnson, John F., Sr., North East, assignor to Triumph Explosives, Elkton, Md. Toggle press. 2,354,126; July 18.
Johnson, Leonard, and M. A. Rieman, Minneapolis, Minn., assignors to Hart-Carter Company, Peoria, Ill. Granular material grader and purifier. 2,353,903; July 18.
Johnson, Manfred J., New Haven, Conn., assignor to The United States Time Corporation. Alternating-current synchronous motor. 2,353,670; July 18.
Johnson, S. C., & Son, Inc. (See Lawler, W. P., Hable, and Steinle, assignors.)
Johnston, Albert C., Waco, Tex. Bicycle. 2,354,125; July 18.
Johnston, Raymond H. (See Coffing, F. W., and Johnston.)
Jones, Burr W., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing for internal-combustion engines. 2,353,904; July 18.
Jones, Charles L. (See Wood, C. M., and Jones.)
Jouret, Oscar A. (See Chapman, P. W., and Jouret.)
Joy, Joseph F., Claremont, N. H. Wheel motor. 2,353,730; July 18.
Jungersen, Thoger G., Summit, N. J. Casting. 2,354,026; July 18.
Kalamazoo Stove & Furnace Company. (See Caley, William T., assignor.)
Kaminky, Oscar H., assignor to Micro Switch Corporation, Freeport, Ill. Snap switch overtravel mechanism. 2,354,027; July 18.
Kanhofer, Elmer R., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,353,731; July 18.
Kaolin Georgia Company. (See Lyons, Sanford C., assignor.)
Karish, Karl, Brooklyn, N. Y. Pocketbook frame. 2,353,671; July 18.
Kaufman, Gus, K. Uhrig, and R. S. Barnett, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Air pump lubricant. 2,353,830; July 18.
Kawecki, Henry C., Temple, Pa., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Preparing fluosilicic acid and fluosilicic acid salts. 2,354,177; July 18.
Kawneer Company, The. (See Plym, Lawrence J., assignor.)
Kearns, Charles M., Jr. (See Martin, E., and Kearns, Jr.)
Keasbey & Mattison Company. (See Schneider, Robert A., assignor.)
Keck, Alfred, Hyde Park, Mass., and J. M. Brumbaugh, Lansdowne, Pa., assignors to Radio Corporation of America. Phase inverter. 2,353,672; July 18.
Keffer, Joseph W., Ligonier, Pa. Clamp for concrete forms. 2,353,831; July 18.
Keiser, Bernhard. (See De Groote, M., and Keiser.)
Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Power transmission. 2,353,905; July 18.
Kellogg Company. (See Raymer, Morris M., assignor.)
Kemp, Lebbeus C., Fishkill, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,353,832; July 18.
Kendall, George H. (See Batesole, D. E., and Kendall.)
Kennedy, William J., Astoria, Long Island, N. Y., assignor to American Telephone and Telegraph Company. Code signaling system. 2,353,673; July 18.
Kershaw, Henry, Belleville, N. J. Producing flush contacts. 2,354,028; July 18.
Keystone Index Card Company. (See Thomas, Charles W., assignor.)
Kilgore Mfg. Company, The. (See Johnson, Edwin H., assignor.)
Kimber, George A., Chicago, Ill. Cork. 2,353,674; July 18.
Kimmell, Garman O., Oklahoma City, Okla. Separator for treating foamy oil. 2,353,833; July 18.
King, Ernest J., New York, N. Y. Sewed connection. 2,353,960; July 18.
Kingsley, Charles C., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire connector. 2,353,732; July 18.
Kingston, Arthur W., Denham, England. Molding press. 2,354,029; July 18.
Kirschbaum, Harry M., Detroit, Mich. Automatic means for preventing detrimental physiological reactions at high altitudes. 2,353,906; July 18.
Kleen Refrigerator, Inc. (See Erland af Kleen, Nils, assignor.)
Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,353,733; July 18.
Klute, Oscar, Rochester, N. Y. Tool holder for reamers. 2,353,834; July 18.
Knecht, Oscar, and O. Senn, Basel, assignors to the firm Sandoz Ltd., Fribourg, Switzerland. Monoazo dyestuffs and their manufacture. 2,353,675; July 18.
Knochel, William J., East Orange, and H. F. Beyer, Clifton, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsbuhgh, Pa. Attachment of filaments to their supports. 2,353,961; July 18.
Kocher, Edward H., Boonton, N. J., assignor to Auto Research Corporation. Indicator for cyclic lubricating installation. 2,353,734; July 18.

Kogl, Frank, St. Paul, assignor of four per cent to M. M. Clark, South St. Paul, two and one-half per cent to W. H. Carlson, two and one-half per cent to O. E. Carlson, ten per cent to R. S. McBride and four per cent to G. Clark, St. Paul, Minn. Apparatus for precasting concrete stair structures. 2,353,676; July 18.

Koppen, Otto C., Newton, Mass., assignor to General Aircraft Corporation, Dover, Del. Airplane. 2,353,907; July 18.

Koppen, Otto C., Newton, Mass., assignor to General Aircraft Corporation, Dover, Del. Airplane. 2,353,962; July 18.

Koppers, Heinrich, Essen, Germany; vested in the Alien Property Custodian. Pusher ram for coke ovens. 2,354,030; July 18.

Krauscope, Albert, Jeannette, and G. P. Lessmann, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Atmosphere heat-treating furnace. 2,354,127; July 18.

Kruger, Bernard V., Long Beach, Calif. Tool for applying cable clips. 2,353,908; July 18.

Kummerer, Wilhelm, Berlin, Germany; vested in the Alien Property Custodian. Arrangement to disconnect transmitter tubes. 2,353,677; July 18.

Kunz, Eric C., Montclair, M. Luthy, Ridgewood, and W. S. Gump, Nutley, N. J., assignors to Burton T. Bush, Inc., New York, N. Y. Germicidal soap. 2,353,735; July 18.

La Forge, Louis H., Jr., assignor to Invex Corporation, Cleveland, Ohio. Space discharge tube. 2,354,031; July 18.

Lager, Eric W., assignor to Industrial Patents Corporation, Chicago, Ill. Truck refrigeration. 2,353,909; July 18.

Lake, Donald W., Downers Grove, and J. Briskin, assignors to Excel Auto Radiator Company, Chicago, Ill. Fan for heat exchange devices. 2,354,128; July 18.

Landesman, Morris, Brookline, Mass. Folding toothbrush. 2,353,963; July 18.

Landis Tool Company. (See Price, Ralph E., assignor.)

Lane, Clifford J., Buffalo, and A. M. Patterson, Lewiston, assignors to Aeronautical Manufacturing Corporation, Niagara Falls, N. Y. Electromagnetic actuating mechanism for solenoid valves or the like. 2,353,835; July 18.

Langer, Bernard F., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Strain measuring system. 2,354,129; July 18.

Langer, Bernard F., Pittsburgh, and T. E. Browne, Jr., Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Strain measuring system. 2,354,130; July 18.

Langguth, Paul O. (See Ludwig, L. R., and Langguth.)

Larkin, Lester U., Chicago, Ill., assignor to Lul Products, Inc., Baltimore, Md. Refrigerating apparatus. 2,354,131; July 18.

Larus and Brother Company. (See Garber, Thomas H., assignor.)

Lawler, William P., G. J. Hable, and J. V. Steinle, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Coating composition. 2,353,910; July 18.

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Siekmann, assignors.)

Lee, John, Nutley, and U. V. Solmssen, Clifton, assignors to Hoffmann-La Roche, Incorporated, Roche Park, Nutley, N. J. Therapeutic product and manufacture of the same. 2,354,132; July 18.

Le Frank, John D., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can unloading machine. 2,353,736; July 18.

Lentz, Leonard L. (See Nystrom, Karl F.)

Lessmann, Gerhard P. (See Krauscope, A., and Lessmann.)

Lester & Wasley Co., Inc., The. (See Chapman, P. W., and Jouret, assignors.)

Leveille, Emile, Montreal, Quebec, Canada. Level indicator. 2,353,911; July 18.

Lever Brothers & Unilever Limited, et al. (See (Craig, R., assignor) and Harber.)

Liljeqvist Såghlads-Och Redskapsfabrik, N Y A A. B. (See Wallgren, August G. F., assignor.)

Linde Air Products Company, The. (See Edwards, W. G., and McCandless, assignors.)

Lindig, Frank J., Jr., St. Paul, Minn. Soil shredder and pulverizer. 2,353,836; July 18.

Lindsey, Ernest E., Los Angeles, assignor of one-half to Elmer H. Berryman, San Francisco, Calif. Homogenizing and heat-treating fluids. 2,353,912; July 18.

Loane, Clarence M., Hammond, Ind., and J. W. Gaynor, assignors to Standard Oil Company, Chicago, Ill. Lubricant. 2,353,837; July 18.

Lockwood, Lawrence A., Chicago, Ill. Baby's bottle insulator and regulator. 2,353,678; July 18.

Lommel, Wilhelm, and H. Münzel, Leverkusen-Wiesdorf, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Phosphonium compouds. 2,353,964; July 18.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 2,353,679; July 18.

Lorenz, Anton, Chicago, Ill. Chair. 2,353,737; July 18.

Lorenz, Anton, Chicago, Ill., and H. Luckhardt, Berlin, Germany. Adjustable reclining chair. 2,353,838; July 18.

Luckhardt, Hans. (See Lorenz, A., and Luckhardt.)

Ludwig, Leon R., and P. O. Langguth, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,354,134; July 18.

Luers, John Milton, Patents Incorporated. (See Luers, John M., assignor.)

Luers, John M., Mount Clemens, assignor to John Milton Luers Patents Incorporated, Detroit, Mich. Cutting-off tool and holder. 2,353,913; July 18.

Lul Products, Inc. (See Larkin, Lester U., assignor.)

Luthy, Max. (See Kunz, E. C., Luthy, and Gump.)

Lyman, Harold T., Milford, Conn., assignor to General Electric Company. Synchronizing pulse separating circuit. 2,354,032; July 18.

Lyons, Sanford C., Bennington, Vt., assignor to Georgia Kaolin Company, Elizabeth, N. J. Producing alumina from clay. 2,354,133; July 18.

MacKay, John R., West Caldwell, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Radiometerograph receiving relay apparatus. 2,354,086; July 18.

MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole preparing machine. 2,353,738; July 18

MacMillin, Howard F., and J. A. Muller, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del. Press. 2,354,034; July 18.

MacNutt, Arthur D., Kenmore, assignor to Certain-Teed Products Corporation, New York, N. Y. Covering material. 2,353,680; July 18.

Magill, Donald G., Great Neck, assignor to American Can Company, New York, N. Y. Explosive container. 2,353,739; July 18.

Magnetic Devices, Inc. (See Price, Osborne I., assignor.)

Maier, Carl E., assignor to Blackstone Manufacturing Co., Inc., Chicago, Ill. Auxiliary ignition system for internal-combustion engines. 2,354,035; July 18.

Maillart, Edmond B., Media, assignor to Frederick M. Bowers, Chester, Pa. Filter glass holder. 2,353,682; July 18.

Malnwaring, Walter E., Schenectady, N. Y., assignor to General Electric Company. Hydraulic jack. 2,354,036; July 18.

Malnwaring, Walter E., Schenectady, N. Y., assignor to General Electric Company. Hydraulic jack and brake arrangement for vertical generators and the like. 2,354,037; July 18.

Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Control apparatus. 2,353,740; July 18.

Martin, Erle, and C. M. Kearns, Jr., West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Propeller hub damper. 2,353,681; July 18.

Martin, Glenn L., Company, The. (See Shannon, Ellis D., assignor.)

Martines, Rene, Cranston, R. I. Sharpening files. 2,353,683; July 18.

Mathieson Alkali Works, Inc., The. (See Hampel, Clifford A., assignor.)

Mathisen, Anders, Osterley, Isleworth, assignor to Graviner Manufacturing Company, Limited, Osterley, Isleworth, England. Fire extinguishing system with remote controlled selective multiway distribution. 2,353,765; July 18.

Mathisen, Anders. (See Salmond, H. M., and Mathisen.)

Matthews, Albert, R. C. Pauly and B. E. Maxon, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Garment drier. 2,353,741; July 18.

Mattis, Michael A., Shamokin, Pa. Connector for insulated conductors. 2,353,778; July 18.

Maxon, Bruce E. (See Matthews, A., Pauly, and Maxon.)

May, John W., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor operated circuit breaker. 2,354,135; July 18.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. High-frequency apparatus. 2,353,742; July 18.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. High frequency electronic discharge device. 2,353,743; July 18.

McBride, Ruby S., et al. (See Kogl, Frank, assignor.)

McCandless, Edward L. (See Edwards, W. G., and McCandless.)

McCann, Paul S. (See Beaulieu, E. J., Bennett, and McCann.)

McCormick, Francis A. (See McLaughlin, J. E., Wilske, and McCormick.)

McFall, William W., Mankato, Minn. Shoulder tree. 2,353,839; July 18.

McGladrey, Lyle L., Minneapolis, and C. M. Rhodes, St. Paul, assignors to Rapinwax Paper Company, Minneapolis, Minn. Method and apparatus for coating sheet material. 2,354,033; July 18.

McKechnie, Ian C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,353,840; July 18.

McKinnis Foods. (See McKinnis, Ronald B., assignor.)

McKinnis, Ronald B., assignor, by mesne assignments, to Ronald B. McKinnis, doing business as McKinnis Foods, Winter Haven, Fla. Apparatus for extracting fruit. 2,353,841; July 18.

McLaughlin, John E., J. E. Wilske, and F. A. McCormick, Alton, Ill., assignors to Owens-Illinois Glass Company. Machine for assembling partitions. 2,353,842; July 18.

McLeod, William B., Los Angeles, Calif. Muffler. 2,354,914; July 18.

Meador-Calender Corporation. (See Meador, Gordon R., assignor.)

Meador, Gordon R., assignor to Meador-Calender Corporation, Fresno, Calif. Rotary pump or compressor. 2,353,965; July 18.

Mefina, S. A. (See Hönger, Guido, assignor.)

Menzel, Friedrich, Stuttgart, Germany; vested in the Alien Property Custodian. Combined electromagnetic regulator and switch. 2,354,038; July 18.

Meyer, Frank A., Sharon Hill, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Throttle valve mechanism. 2,353,915; July 18.

Meyer, Maximilian C., Brooklyn, N. Y. Making coated ornamental objects. 2,353,744; July 18.

Mickelson, John, Lincoln, Nebr. Traction device for vehicle wheels. 2,353,916; July 18.

Micro Switch Corporation. (See Kaminky, Oscar H., assignor.)

Miehle Printing Press and Manufacturing Company. (See Sites, Benjamin L., assignor.)

Miescher, Karl, Riehen, and J. Heer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products Incorporated, Summit, N. J. Esters of the hydroxy-stilbene series and preparing same. 2,353,684; July 18.

Miles, William S., Hastings-on-Hudson, and P. A. Voigt, Bellerose Manor, assignors to Johns-Manville Corporation, New York, N. Y. Tool. 2,353,843; July 18.

Miller, William J., Swissvale, and A. J. Reek, Carrick, Pa., said Reek assignor to said Miller. Apparatus and method for charging pottery molds. 2,354,170; July 18.

Milner, James B., Prestatyn, England. Keeper. 2,353,844; July 18.

Minneapolis-Moline Power Implement Company. (See Frank, William R., assignor.)

Minneapolis-Moline Power Implement Company. (See Seaholm, John P., assignor.)

Minnesota Mining & Manufacturing Company. (See Heltzer, H., and Clarke, assignors.)

Minnesota Mining & Manufacturing Company. (See Palmquist, Philip V., assignor.)

Mitchell, Harry W., Shaker Heights, Ohio. Practice bomb. 2,354,039; July 18.

Molins, Desmond W., and F. F. Ruau, Deptford, London, assignors to Molins Machine Company, Limited, London, England. Collecting mechanism. 2,354,040; July 18.

Molins Machine Company. (See Molins, D. W., and Ruau, assignors.)

Molly, Hans, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian. Adjustable stroke pump. 2,353,745; July 18.

Molly, Hans, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian. Axial piston pump. 2,353,917; July 18.

Moncrieff, Veon I., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Cylinder attaching means. 2,353,779; July 18.

Monk, Reginald H., Montreal, Quebec, Canada, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Preparation of TiO_2. 2,353,918; July 18.

Monsanto Chemical Company. (See Cooper, Robert H., assignor.)

Monsanto Chemical Company. (See Weyl, Woldemar A., assignor.)

Moore, George A., New York, N. Y., assignor to Shellmar Products Company, Mount Vernon, Ohio. Packaging process. 2,353,746; July 18.

Moran, Proctor, Freeman & Mueser. (See Quinn, Alonzo D., assignor.)

Moravek, Rudolf A. (See Fourness, C. A., and Moravek.)

Morey, Richard M., assignor to W. C. Ritchie and Company, Chicago, Ill. Stick receptacle. 2,354,136; July 18.

Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Lubricant. 2,354,171; July 18.

Morgensen, Martin C., et al. (See Fanger, H. J., and Gruenhagen, assignors.)

Morrison, James D., Medicine Hat, Alberta, Canada. Dental matrix retainer. 2,353,747; July 18.

Morton, Rolla A., Long Beach, Calif. Fuel supply means. 2,353,919; July 18.

Muller, Johan A. (See MacMillin, H. F. and Muller.)

Muller, Johan A., Dayton, Ohio., assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., Blank-holder press. 2,354,041; July 18.

Munk, Max M., Cottage City, Md. Longitudinally controllable airfoil. 2,354,042; July 18.

Münzel, Heinrich. (See Lommel, W., and Münzel.)

Mursch, William H., Crafton, Pa., assignor to Carnegie-Illinois Steel Corporation. Straightening machine. 2,353,845; July 18.

Muzzey, David S., Jr., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Vibration detector. 2,353,920; July 18.

Myers, Robert J., Rydal, and D. S. Herr, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Operation of anion-exchange units. 2,354,172; July 18.

Myler, William M., Jr., Columbus, assignor to General Properties Company, Inc., Toledo, Ohio. Control system for unit heaters. 2,353,921; July 18.

Nagler, Frederick W., et al. (See Schreib, Joseph, assignor.)

National Cash Register Company, The. (See Chollar, Robert G., assignor.)

National Cash Register Company, The. (See Spurlino, P., Goodbar, and Frost, assignors.)

National Folding Box Company. (See Ringler, William A., assignor.)

Neal, Ernest C., Chicago, Ill. Rod and cable cutter. 2,353,922; July 18.

Nelson, Edwin F., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,353,923; July 18.

Netalová, Anna, and A. Wolfová, Prague, Bohemia-Moravia; vested in the Alien Property Custodian. Bottle closure. 2,354,043; July 18.

Neuland, Alfons H., Cleveland, Ohio. Fluid pump and motor. 2,353,780; July 18.

Neumark, Hans R., Forest Hills, assignor to General Chemical Company, New York, N. Y. Electrolytic preparation of alkali metal ferricyanides. 2,353,781; July 18.

Neumark, Hans R., Forest Hills, assignor to General Chemical Company, New York, N. Y. Electrolytic preparation of sodium ferricyanide. 2,353,782; July 18.

Newcombe, Clare K., Lancashire, assignor to Heat Pumps Limited, London, England. Liquid cooling system for internal-combustion engines. 2,353,966; July 18.

Nicoletti, Frank, Pittsburgh, Pa. Spring vehicle wheel tire. 2,354,044; July 18.

Nitsch, Reynold J., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Filter and heater unit holder particularly for aerial cameras. 2,353,898; July 18.

Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Manufacture and processing of discharge devices. 2,353,783; July 18.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can runway. 2,353,748; July 18.

Norma-Hoffmann Bearings Corporation. See Batesole, D. E., and Kendall, assignors.)

Nystrom, Karl, and L. L. Lentz, Milwaukee, Wis. Passageway enclosure for passenger cars. 2,354,045; July 18.

Nystrom, Lawrence V., Minneapolis, Minn., assignor to General Mills, Inc. Height gauge. 2,354,137; July 18.

Oetzel, John G., Beloit, Wis. assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Electromagnetic friction device. 2,353,749; July 18.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Electromagnetic friction device. 2,353,750; July 18.

Ohio Citizens Trust Company, The, trustee. See Replogle, Daniel B., assignor.)

Onnen, John G., et al. (See Schreib, Joseph, assignor.)

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 2,353,751; July 18.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 2,353,967; July 18.

Oslund, John E., Wethersfield, Conn. Indicator holder. 2,354,046; July 18.

Otto, Carl, Manhasset, N. Y., assignor to Fuel Refining Corporation, Dover, Del. Preparing coal for conversion into metallurgical coke. 2,353,752; July 18.

Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Coking high voltaile coal. 2,353,753; July 18.

Owens-Corning Fiberglas Corporation. (See Fletcher, Ed, assignor.)

Owens-Corning Fiberglas Corporation. (See Smith, Irving N., assignor.)

Owens-Illinois Glass Company. (See Deeren, Kemp K., K., assignor.)

Owens-Illinois Glass Company. (See Heyne, Clarence A., assignor.)

Owens-Illinois Glass Company. (See Hofmann, Victor E., assignor.)

Owens-Illinois Glass Company. (See McLaughlin, J. E., McCormick, assignors.)

Owner, Frank M., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Supercharged internal combustion engine. 2,354,047; July 18.

Packard Motor Car Company. (See Paton, Clyde R., assignor.)

Palmquist, Philip V., Minneapolis, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Flexible lenticular optical sheet. 2,354,048; July 18.

Palmquist, Philip V., New Canada Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Backless reflex light reflector. 2,354,049; July 18.

Paper Patents Company. (See Fourness, C. A., and Moravek, assignors.)

Parker, Frank E., Duluth, assignor to Hanson Fish Products Company, Minneapolis, Minn. Producing edible compositions. 2,353,924; July 18.

Parsons, John S., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical distribution system. 2,354,138; July 18.

Pass & Seymour, Inc. (See Despard, Victor R., assignor.)

Patent and Licensing Corporation, The. (See Groskopf, Edwin O., assignor.)

Paternoster, Charles. (See Cortez, D., and Paternoster.)

Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Drive mechanism. 2,354,139; July 18.

Patterson, Albert M. (See Lane, C. J., and Patterson.)

Pattison, Wayne W., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Apparatus for forming arcuate bearings. 2,353,925; July 18.

Pauly, Robert C. (See Matthews, A., Pauly, and Maxon.)

Paupa, Joseph, Chicago, Ill. Runner training apparatus. 2,354,050; July 18.

Paweisky, Vernon R., and W. A. Biermann, assignors to Automatic Products Company, Milwaukee, Wis. Fuel oil filter. 2,354,051; July 18.

Payne, Charles E. (See Caplin, F., and Payne.)

Pearson, Robert W., Wilkinsburg, and D. P. Faulk, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic control system. 2,354,140; July 18.

Peck, Carl F., Jersey City, N. J., assignor to American Can Company, New York, N. Y. Can testing machine. 2,353,758; July 18.

Peck, William F. (See Estey, R. S., Peck, and Harper.)

Pedersen, Charles J. (See Clarkson, R. G., and Pedersen.)

Pedrazzo, Emil R., West New York, N. J. Loom. 2,353,968; July 18.

Pelikan, John M., Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,354,052; July 18.

Pembroke, George F., Deptford, London, England. Apparatus for testing or measuring sizes or dimensions. 2,354,053; July 18.

People in the Territory of the United States, Dedicated to the free use of the. (See Richards, Lorenzo A.)

Perfex Corporation. (See Malone, Homer E., assignor.)

Peters, Stanley E., Chicago, Ill. Gas generating apparatus. 2,353,926; July 18.

Peterson, Willard D., assignor to Eastman Kodak Company, Rochester, N. Y. Color photography using metallic salt coupler compounds. 2,353,754; July 18.

Petrolite Corporation, Ltd. (See De Groote, M., and Keiser, assignors.)

Phelps, George H., Floral Park, N. Y. Welding. 2,354,173; July 18.

Phillips, Burl P. (See Windham, R. H., and Phillips.)

Picker X-Ray Corporation, Waite Manufacturing Division, Inc. (See Goldfield, Edwin R., assignor.)

Pickett, Oscar A., Newark, assignor to Hercules Powder Company, Wilmington, Del. Chewing gum material. 2,353,927; July 18.

Piltz, Michael M., Halifax, Pa. Snowplow. 2,353,928; July 18.

Pines, Herman. (See Ipatieff, V. N., and Pines.)

Plym, Lawrence J., assignor to The Kawneer Company, Niles, Mich. Window construction. 2,354,054; July 18.

Plymold Corporation. (See Goldman, Paul R., assignor.)

Powell, N. D. (See Staats, Gilson C., assignor.)

Power, James F., South Bend, Ind. Bottle carrier. 2,353,846; July 18.

Powers, Frank T., Glen Cove, N. Y. X-ray apparatus. 2,353,969; July 18.

Powers, James H., Fort Wayne, Ind., assignor to General Electric Company. Case hardened malleable casting and making the same. 2,354,055; July 18.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Power brake. 2,353,755; July 18.

Price, Harold L. (See Runcie, Walter O., assignor.)

Price, Osborne I., assignor to Magnetic Devices, Inc., Frederick, Md. Magnetic actuator. 2,353,756; July 18.

Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Feed cushioning mechanism. 2,354,056; July 18.

Priest, Charles H., Jr., Pasadena, Calif. Drilling apparatus. 2,353,757; July 18.

Production Supply Company. (See Coonrod, Paul, assignor.)

Progressive Welder Company. (See Purat, Hugo, assignor.)

Purat, Hugo, assignor to Progressive Welder Company, Detroit, Mich. Switch mechanism. 2,353,847; July 18.

Purdie, William H., Sunderland, assignor to William Doxford & Sons Limited, Sunderland, Durham, England. Cooling means for engine pistons. 2,354,057; July 18.

Purington, Ellison S., Gloucester, Mass., assignor, by mesne assignments to Radio Corporation of America, New York, N. Y., Universal resistance capacitance filter. 2,354,141; July 18.

Quayle, Joshua C. (See Handley, W. C., and Quayle.)

Queen, Harold E., et al., executors. (See Replogle, Daniel B.)

Quinn, Alonzo D., Garden City, assignor to Moran, Proctor, Freeman & Mueser, New York, N. Y. Self-adjusting sealing edge for installation of piers. 2,354,142; July 18.

Radio Corporation of America. (See Bliss, Warren H., assignor.)

Radio Corporation of America. (See Caplin, F., and Payne, assignors.)

Radio Corporation of America. (See Keck, A., and Brumbaugh, assignors.)

Radio Corporation of America. (See Purington, Ellison S., assignor.)

Radio Corporation of America. (See Shaw, Hubert R., assignor.)

Radio Corporation of America. (See Young, C. J., and Solomon, assignors.)

Rapinwax Paper Company. (See McGladrey, L. L., and Rhodes, assignors.)

Rapinwax Paper Company. (See Rhodes, C. M., and Sermattei, assignors.)

Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combustion turbine. 2,353,929; July 18.

Ray, William A., Los Angeles, Calif. Fluid control valve. 2,353,759; July 18.

Ray, William A., Glendale, Calif. Electromagnetically operated valve. 2,353,848; July 18.

Raymer, Morris M., Augusta, assignor to Kellogg Company, Battle Creek, Mich. Dual type volume filler. 2,354,087; July 18.

Raytheon Manufacturing Company. (See Klemperer, Hans, assignor.)

Rea, Wilson W. (See Berthold, W., and Rea.)

Reagan, Maurice E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,354,143; July 18.

Reconstruction Finance Corporation. (See Kawecki, Henry C., assignor.)

Redfield, Leon R., Astoria, N. Y. Advertising display dispenser. 2,354,058; July 18.

Reek, Ashley J. (See Miller, W. J., and Reek.)

Rees, Frank X., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,353,930; July 18.

Rehm, Gustav A., assignor to Riley Stoker Corporation, Worcester, Mass. Steam generator. 2,354,059; July 18.

Reich, Gustave T., Philadelphia, Pa. Method and apparatus for processing food products. 2,353,784; July 18.

Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,353,931; July 18.

Reichel, Maximilian K., Albany, assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized diazo-type sensitive material. 2,354,088; July 18.

Rein, Herbert. (See Hubert, E., and Rein.)

Remington Arms Company. (See Loomis, Crawford C., assignor.)

Replogle, Carl S., et al., executors. (See Replogle, Daniel B.)

Replogle, Daniel B., Berkeley, Calif., deceased; Bank of America National Trust and Savings Association, C. S. Replogle, H. E. Queen, and L. H. Bullock, executors, assignors to The Ohio Citizens Trust Company, Toledo, Ohio, trustee. Dust arresting indicator for suction cleaners. 2,354,089; July 18.

Resinous Products & Chemical Company, The. (See Bruson, H. A., and Riener, assignors.)

Resinous Products & Chemical Company, The. (See Myers, R. J., and Herr, assignors.)

Rheem Manufacturing Company. (See Bisbee, D. P., Seltzer, and Thayer, assignors.)

Rhoads, Charles S., Albany, N. Y., assignor to American Telephone and Telegraph Company. Telephone substation. 2,353,785; July 18.

Rhodes, Cecil M. (See McGladrey, L. L., and Rhodes.)

Rhodes, Cecil M., St. Paul, and J. P. Sermattel, assignors to Rapinwax Paper Company, Minneapolis, Minn. Moistureproof sheet materials. 2,354,060; July 18.

Ribbesford Company, Limited, The, et al. (See Thornhill, Peter W., assignor.)

Richards, Lorenzo A., Riverside, Calif., dedicated to the free use of the people in the territory of the United States. Pressure-membrane extraction apparatus. 2,353,760; July 18.

Richardson, Alan H., Edgewood, Pa. Tuyère for blast furnaces and the like. 2,353,849; July 18.

Richardson, Richard H., Welland, Ontario, Canada. Crankcase heater. 2,354,061; July 18.

Rieman, Martin A. (See Johnson, L., and Rieman.)

Riener, Thomas W. (See Bruson, H. A., and Riener.)

Riley Stoker Corporation. (See Rehm, Gustav A., assignor.)

Ringler, William A., Wayne, Pa., assignor to National Folding Box Company, New Haven, Conn. Carton or container. 2,353,761; July 18.

Ritchie, W. C., and Company. (See Morey, Richard M., assignor.)

Ritzert, Norman J., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Making belts. 2,354,062; July 18.

Roberts, John F., assignor of one-half to E. E. Carson, Portland, Oreg. Safety box hook. 2,353,850; July 18.

Robinson, John E., Glen Ellyn, and R. P. Bigger, Lombard, Ill., assignors to American Can Company, New York, N. Y. Container. 2,353,762; July 18.

Rodman, Isaac P., Cambridge, Mass., assignor to Columbia Recording Corporation, New York, N. Y. Thrust bearing. 2,353,763; July 18.

Rosan, Joseph, North Hollywood, Calif. Tubular insert. 2,353,851; July 18.

Rose, William H., Jersey City, N. J. Atomizing device. 2,354,063; July 18.

Rose, William H., Jersey City, N. J. Liquid spraying device. 2,354,064; July 18.

Ross, Earl, Clayton, assignor of one-third to Russell J. Horsefield, St. Louis, Mo. Solution for stripping oxide films from aluminum and its alloys. 2,353,786; July 18.

Ross, Milburn M. (See Duffy, D. H., Wiley, and Ross.)

Ross, Walter F., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Shaving tool with inserted cutting blades and making same. 2,354,144; July 18.

Rostoker, Louis, and S. J. Evelyn, Toronto, Ontario, Canada. Intake manifold for multicylinder engines. 2,353,787; July 18.

Rouleau, Armini, Granby, Quebec, Canada. Corner construction for bed springs. 2,353,788; July 18.

Rowland, Ben W., D. Fronmuller, and J. A. Van den Akker, Appleton, Wis., assignors to The Institute of Paper Chemistry. Determining the receptivity of sheet materials to coatings, inks, and the like. 2,353,852; July 18.

Ruau, Félix F. (See Molins, D. W., and Ruau.)

Rueb, Earl J., and J. E. Trulson, Kansas City, Mo. Battery charger. 2,354,065; July 18.

Runcie, Walter O., Lima, Peru, assignor of twenty-five per cent to H. L. Price, Alexandria, Va. Lens capping mechanism. 2,354,145; July 18.

Salmond, Hubert M., Fareham, and A. Mathisen, Highborn, assignors to Gravitner Manufacturing Company Limited, London, England. Gravity operated electric switch. 2,353,764; July 18.

Samuel, John O., assignor to Unifloc Reagents Limited, Swansea, Wales. Softening of water and the flocculation of suspended solids in aqueous liquids. 2,354,146; July 18.

Sandoz Ltd. (See Knecht, O., and Senn, assignors.)

Sass, William H., Los Angeles, Calif. Postal greeting folder. 2,354,066; July 18.

Sayford, Frank M., Company. (See Sayford, Howard A., assignor.)

Sayford, Howard A., Bloomfield, N. J., assignor to Frank M. Sayford Company, Inc., Brooklyn, N. Y. Christmas tree ornament. 2,353,853; July 18.

Schaffer, Lewis A., Los Angeles, Calif. Noncrushable kit construction. 2,353,932; July 18.

Schering Corporation. (See Butenandt, A., Schmidt-Thome, and Schwenk, assignors.)

Schleman, Gustave, Bronx, N. Y., assignor to International Plastic Corporation, Morristown, N. J. Repellant roll for handling adhesive sheets. 2,353,789; July 18.

Schmalz, William F., Rockville, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Jewel. 2,354,067; July 18.

Schmerling, Louis, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,353,766; July 18.

Schmidt-Thomé, Josef. (See Butenandt, A., Schmidt-Thomé, and Schwenk.)

Schmitt, Otto A., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Container body and end closure feeding mechanism. 2,354,068; July 18.

Schmitter, Walter P., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Fluid pressure clutch. 2,354,174; July 18.

Schnedarek, Emil F., assignor, by mesne assignments, to The Akron Standard Mold Company, Akron, Ohio. Tire building drum. 2,353,767; July 18.

Schneider, Robert A., Fort Washington, assignor to Keasbey & Mattison Company, Ambler, Pa. Securing clip. 2,353,933; July 18.

Schreib, Joseph, assignor of thirty-three and one-third per cent to J. G. Onnen, and thirty-three and one-third per cent to F. W. Nagler, Baltimore, Md. Cartridge. 2,353,934; July 18.

Schultheiss, John P., assignor to R. F. Simmons Company, Attleboro, Mass. Strap for wrist-watches, apparel belts, and the like. 2,353,854; July 18.

Schwarz, Paul, Milwaukee, Wis. Vehicle jack. 2,353,855; July 18.

Schwenk, Erwin. (See Butenandt, A., Schmidt-Thomé, and Schwenk.)

Scott, George D., San Francisco, Calif. Tire. 2,353,935; July 18.

Scott, Howard, Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Steel. 2,354,147; July 18.

Seaholm, John P., Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Scraper mechanism. 2,353,790; July 18.

Seaton, Max Y., Greenwich, Conn., assignor, by mesne assignments, to L. Caldwell, Los Angeles, Calif. Improving the physical properties of a synthetic hydrated magnesium silicate decolorizing material. 2,353,970; July 18.

Seborg, Raymond M. (See Stamm, A. J., and Seborg.)

Seem, Robert W. (See Hathorne, B. L., and Seem.)

Seltzer, Richard J. (See Bisbee, D. P., Seltzer, and Thayer.)

Senn, Otto. (See Knecht, O., and Senn.)

Sermattei, John P. (See Rhodes, C. M., and Sermattei.)

Servel, Inc. (See Thomas, Albert R., assignor.)

Shaffer, Cleve F., et al. (See Fanger, H. J., and Gruenhagen, assignors.)

Shaffer, Cleve F., San Francisco, H. J. Fanger, Piedmont, and H. Gruenhagen, Oakland, Calif. Portable grenade gun. 2,353,971; July 18.

Shannon, Ellis D., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Auxiliary airfoil. 2,353,856; July 18.

Sharp & Dohme, Incorporated. (See Barr, Courtland H., assignor.)

Sharpe, Alfred H., Buffalo, N. Y., and V. Walker, Fort Erie, Ontario, Canada, assignors to AlnCin, Inc., Buffalo, N. Y. Optical device and manufacture thereof. 2,354,091; July 18.

Shartle, Robert A., Rockford, Ill., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,353,791; July 18.

Shaw, Hubert R., Drexel Hill, Pa., assignor to Radio Corporation of America. Push-button tuner for radio receivers. 2,354,148; July 18.

Shell Development Company. (See Crake, Wilfred St. M. E., assignor.)

Shell Development Company. (See Muzzey, David S., Jr., assignor.)

Shellmar Products Company. (See Moore, George A., assignor.)

Shields, Herbert F. H., London, England. Apparatus for loading wheeled vehicles and stocking-out material unloaded therefrom. 2,353,972; July 18.

Shields, Jesse W., Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Repair device. 2,354,069; July 18.

Shlesinger, Bernard E., Irondequoit, assignor to Gleason Works, Rochester, N. Y. Gear cutter. 2,353,768; July 18.

Shortland, Arthur, assignor to Mellor Bromley and Co. Limited, Leicester, England. Knitting machine. 2,353,973; July 18.

Siekmann, Harold J. (See Groene, W. F., and Siekmann.)

Simmons, R. F., Company. (See Schultheiss, John P., assignor.)

Sites, Benjamin L., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Correction of color-separation negatives. 2,354,149; July 18.

Skelly, Bernard H., Bridgeport, Conn., deceased; Frances A. Skelly, administratrix. Automobile theft preventing device. 2,354,070; July 18.

Skelly, Frances A., administratrix. (See Skelly, Bernard H.)

Skinner, Ralph L., Birmingham, Mich. Cleanable filter. 2,354,150; July 18.

Skoglund, Victor J., San Diego, Calif., assignor to United Aircraft Corporation, East Hartford, Conn. Fluid nozzle. 2,354,151; July 18.

Skolnik, Allen. (See Svoboda, F. A., and Skolnik.)

Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Surface type heat exchanger. 2,354,071; July 18.

Smith, Irving N., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Air filtering material. 2,353,936; July 18.

Smith, Irving N., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Air filtering material. 2,353,937; July 18.

Smith, L. C., & Corona Typewriters, Inc. (See Avery, H. A., and Walker, assignors.)

Smith, L. C., & Corona Typewriters, Inc. (See Walker, Charles, assignor.)

Solmssen, Ulrich V. (See Lee, J., and Solmssen.)

Solomon, Myer. (See Young, C. J., and Solomon.)

Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Single-ground-fault-detecting relay. 2,354,152; July 18.

Soule, George C., South Portland, Maine. Wire rope socket. 2,353,975; July 18.

Sowell, Maurice J., Clovis, N. Mex. Combination density cone and drop bucket. 2,353,792; July 18.

Spencer Lens Company. (See Estey, R. S., Peck, and Harper, assignors.)

Spencer, Roger D. (See Ford, J. G., and Spencer.)

Sprague, Joseph A., Honeoye Falls, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Photographic synchronizer testing equipment. 2,353,896; July 18.

Sprague, Joseph A., Honeoye Falls, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Sensitized material holder or carrier for photographic synchronizer testing equipment. 2,353,897; July 18.

Spurlino, Pascal, M. A. Goodbar, and M. D. Frost, assignors to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,353,938; July 18.

Staats, Gilson C., Chester, Pa., assignor to himself and N. D. Powell, New York, N. Y. Detachable link. 2,353,939; July 18.

Staats, Gilson C., Chester, Pa., assignor to himself and N. D. Powell, New York, N. Y. Detachable link. 2,353,940; July 18.

Stamm, Alfred J., and R. M. Seborg, Madison, Wis., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Plywood. 2,354,090; July 18.
Standard Oil Company. (See Loane, C. M., and Gaynor, assignors.)
Stanley, George E., Beddgelert, England. Plate clutch. 2,353,793; July 18.
Stebbins, Dwight J., Morris, Minn. Automatic gun-pointing mechanism. 2,354,153; July 18.
Steber, Clarence L., Oak Park, Ill. Shade holder. 2,354,154; July 18.
Stebler, Fred, Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Olive sizer. 2,353,941; July 18.
Stein, Berthold, Brooklyn, N. Y. Brewing beer, ale, or near-beer. 2,354,092; July 18.
Stein, Berthold, Brooklyn, N. Y. Brewing apparatus. 2,354,093; July 18.
Steiner, Herbert. (See Welzmann, C., and Steiner.)
Steiner, Oscar, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Film pack holder or adapter. 2,353,895; July 18.
Steiner, Walter J. (See Brown, Deskin I., assignor.)
Steinle, John V. (See Lawler, W. P., Hable, and Steinle.)
Stephenson, James E., assignor to General Railway Signal Company, Rochester, N. Y. Highway crossing gate. 2,353,942; July 18.
Sternberg, Edwin, New York, N. Y. Outlet device for air conditioning systems. 2,354,155; July 18.
Stiffler, Harold F., Medway, Ohio. Removable hood. 2,353,769; July 18.
Stone, Walter N., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Scale. 2,353,974; July 18.
Storch, Harold A., Birmingham, Mich., assignor to Harris Products Company, Cleveland, Ohio. Vibration dampener. 2,353,943; July 18.
Storch, Harold A., Fairview Village, assignor to Harris Products Company, Cleveland, Ohio. Vibration dampener. 2,353,944; July 18.
Storch, Harold A., Fairview Village, assignor to Harris Products Company, Cleveland, Ohio. Vibration dampener. 2,353,945; July 18.
Storrs, Arnold B., Torrington, Conn., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Preparing soft curd milk. 2,353,946; July 18.
Stuart Products Company. (See Cohen, William B., assignor.)
Stuhlfauth, George, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Metal-forming apparatus. 2,353,857; July 18.
Sucetti, Glenn, Los Angeles, Calif., assignor to Universal Zonolite Insulation Co., Chicago, Ill. Light-weight composition and its production. 2,354,156; July 18.
Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Carrying out electrothermic reactions. 2,353,770; July 18.
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Svikhart, Miles L., Garden City Park, assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,353,794; July 18.
Svoboda, Frank A., Cicero, and A. Skolnik, Chicago, Ill. Treatment of ramie and allied fibers. 2,353,947; July 18.
Swift, Donald D., Hartford, Conn., assignor to M. Swift & Sons, Inc. Goldbeating lubricant. 2,354,072; July 18.
Swift, Donald D., Hartford, Conn., assignor to M. Swift & Sons, Inc. Roll leaf and making the same. 2,354,073; July 18.
Swift, Herbert W., assignor to Bromilow and Edwards Limited, Bolton, England. Moving floor vehicle. 2,353,948; July 18.
Swift, M., & Sons, Inc. (See Swift, Donald D., assignor.)
Swingle, Ralph H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Enclosed circuit breaker. 2,354,157; July 18.
Sylvania Industrial Corporation. (See Francis, C. S., Jr., and Wade, assignors.)
Szücs, Joseph, New York, N. Y. Producing citric acid by fermentation. 2,353,771; July 18.
Taliaferro, William R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor-electric device. 2,354,158; July 18.
Tandberg, Johan G., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Impregnating electric articles. 2,354,074; July 18.
Tedesco, John T., Bronx, N. Y. Slide fastener. 2,353,858; July 18.
Teletype Corporation. (See Gubisch, Erwin A., assignor.)
Teschner, Elmer H., West Palm Beach, Fla. Edging stone wiper. 2,354,075; July 18.
Texas Company, The. (See Cole, E. L., and Gross, assignors.)
Texas Company, The. (See Kaufman, G., Uhrig, and Barnett, assignors.)
Texas Company, The. (See Kemp, Lebbeus C., assignor.)
Thannhauser, Fred G. (See Blay, H. P., and Thannhauser.)
Thayer, Philip F. (See Bisbee, D. P., Seltzer, and Thayer.)
Thomas, Albert R., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,353,859; July 18.
Thomas, Charles W., Elkins Park, assignor to Keystone Index Card Company, Philadelphia, Pa. Making notebook plastic binding. 2,354,094; July 18.
Thompson, Norman D., Milwaukee, Wis. Bearing for sliding doors or the like. 2,353,976; July 18.
Thornhill, Peter W., Leamington Spa, assignor to Automatic Products Company, Limited and The Ribbesford Company, Limited, Leamington Spa, England. Packing device for fluid pressure apparatus. 2,353,977; July 18.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Locking fastener. 2,353,795; July 18.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Locking fastener. 2,353,796; July 18.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Tondreau, Albert W., Los Angeles, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Camera for color photography. 2,353,797; July 18.
Topjian, Daniel, Watertown, Mass., assignor, by mesne assignments, to himself, as trustee. Toilet powder dispensing device. 2,353,772; July 18.
Tracy Manufacturing Company, The. (See Weissert, Walter J., assignor.)
Triumph Explosives, Inc. (See Johnson, John F., Sr., assignor.)
Trulson, John E. (See Rueb, E. J., and Trulson.)
Tucker, Warren R., and G. A. Waldie, Dayton, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del. Vane pump. 2,354,076; July 18.
Uhrig, Karl. (See Kaufman, G., Uhrig, and Barnett.)
Ulinski, Bronislaus, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Chain winding mechanism for industrial trucks. 2,354,178; July 18.
Unifloc Reagents Limited. (See Samuel, John O., assignor.)
Union Switch and Signal Company, The. (See Ihrig, Clifford D., assignor.)
Union Switch & Signal Company, The. (See Jerome, Arthur L., assignor.)
Union Switch and Signal Company, The. (See Pelikan, John M., assignor.)
United Aircraft Corporation. (See Broders, Claude O., assignor.)
United Aircraft Corporation. (See Martin, E., and Kearns, Jr., assignors.)
United Aircraft Corporation. (See Moncrieff, Veon I., assignor.)
United Aircraft Corporation. (See Skoglund, Victor J., assignor.)
United Aircraft Corporation. (See Stone, Walter N., assignor.)
United Shoe Machinery Corporation. (See Butler, Ernest L., assignor.)
United Shoe Machinery Corporation. (See Cantley, Joseph C., assignor.)
United Shoe Machinery Corporation. (See MacKenzie, Wilbur L., assignor.)
United States Rubber Company. (See Bartlett, Frederick S., assignor.)
United States Rubber Company. (See Hazell, Eardley, assignor.)
United States Rubber Company. (See Shields, Jesse W., assignor.)
United States Time Corporation, The. (See Johnson, Manfred J., assignor.)
Universal Oil Products Company. (See Ipatieff, V. N., and Pines, assignors.)
Universal Oil Products Company. (See Kanhofer, Elmer R., assignor.)
Universal Oil Products Company. (See Nelson, Edwin F., assignor.)
Universal Oil Products Company. (See Schmerling, Louis, assignor.)
Universal Oil Products Company. (See Wenzke, Herman H., assignor.)
Universal Zonolite Insulation Co. (See Sucetti, Glenn, assignor.)
Unterberg, Charles, Mobile, Ala. Controllable pitch propeller. 2,353,773; July 18.
Van Bergen, Lambertus A., Aarle-Rixtel, Netherlands; vested in the Alien Property Custodian. Producing filaments, threads, fibers, bands, films and the like from proteins. 2,354,077; July 18.
Vance, Paul A., Fort Wayne, Ind., assignor to General Electric Company. Electric apparatus. 2,354,078; July 18.
Van den Akker, Johannes A. (See Rowland, B. W., Frommuller, and Van den Akker.)
Venable, Emerson, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling electrical apparatus. 2,354,159; July 18.
Vickers Incorporated. (See Shartle, Robert A., assignor.)
Vickers Incorporated. (See Zimmermann, Lukas, assignor.)
Victor Metal Products Corporation. (See Apfelbaum, Huna L., assignor.)
Voigt, Paul A. (See Miles, W. S., and Voigt.)

Vore, Herbert G. (See Clark, K., and Vore.)
Wade, Worth. (See Francis, C. S., Jr., and Wade.)
Wagner, Frederick A., Oakland, Calif. Cylinder liner forcing mandrel. 2,353,774; July 18.
Wainwright, Charles L., San Bernardino, Calif. Ammunition. 2,353,798; July 18.
Waldie, George A. (See Tucker, W. R., and Waldie.)
Walker, Charles. (See Avery, H. A., and Walker.)
Walker, Charles, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriter machine. 2,353,860; July 18.
Walker, Victor. (See Sharpe, A. H., and Walker.)
Wallace & Tiernan Products, Inc. (See MacKay, John R., assignor.)
Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Gear tooth face finishing apparatus and method. 2,353,861; July 18.
Wallgren, August G. F., assignor to Liljeqvist Sågblads-Och Redskapsfabrik, N Y A A. B., Eskilstuna, Sweden. Locking device. 2,354,160; July 18.
Ward, James N., West New York, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring device. 2,353,799; July 18.
Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)
Warner Electric Brake Manufacturing Company. (See Oetzel, John G., assignor.)
Warren, Frank, Condon, Oreg. Hay loader. 2,353,949; July 18.
Waterman, William, Chicago, Ill. Automatic cutoff device. 2,354,161; July 18.
Watrous, Ward W., Jr., Chatham, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrode brace. 2,353,775; July 18.
Webb, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Rounds counter for automatic firearms. 2,354,079; July 18.
Webb, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Automatic firearm breechblock stop. 2,354,080; July 18.
Weber, Fred A., Gary, Ind. Combined branch valve and drain valve. 2,353,862; July 18.
Weber, Harold C., Milton, Mass. Polishing and fogging inhibiting product. 2,353,978; July 18.
Weber, Joe, Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,354,162; July 18.
Weder, William J., Philadelphia, Pa., assignor to General Electric Company. Forming contacts. 2,354,081; July 18.
Wegmann, Adolph J., Flushing, N. Y., assignor to Dri-Steam Products, Inc. Steam delivery and superheater header unit. 2,353,776; July 18.
Weisglass, Louis L., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Measuring system. 2,353,979; July 18.
Weisglass, Louis L., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Milliampere seconds timer. 2,353,980; July 18.
Weissert, Walter J., Carnegie, Pa., assignor to The Tracy Manufacturing Company. Table-top construction. 2,353,777; July 18.
Weizmann, Charles, London, and H. Steiner, Eccles, England. Lining for hydrocarbon treating apparatus. 2,354,163; July 18.
Wenzke, Herman H., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,353,950; July 18.
Western Cartridge Company. (See Williams, David M., assignor.)
Western Electric Company. (See Beaulieu, E. J., Bennett, and McCann, assignors.)
Western Electric Company. (See Berthold, W., and Rea, assignors.)
Western Electric Company. (See Stuhlfauth, George, assignor.)
Western Electric Company. (See Svikhart, Miles L., assignor.)
Western Electric Company. (See Ward, James N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Atwell, Clarence A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cook, Willard G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ford, J. G., and Spencer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Raymond P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harding, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hipple, John A., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Horstman, C. C., and Brandt, assignors.)
Westinghouse Electric & Manufacturing Company. (See Knochel, W. J., and Beyer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Krauscope, A., and Lessmann, assignors.)
Westinghouse Electric & Manufacturing Company. (See Langer, Bernard F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Langer, B. F., and Browne, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ludwig, L. R., and Langguth, assignors.)
Westinghouse Electric & Manufacturing Company. (See May, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Meyer, Frank A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Parsons, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pearson, R. W., and Faulk, assignors.)
Westinghouse Electric & Manufacturing Company. (See Reagan, Maurice E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Scott, Howard, assignor.)
Westinghouse Electric & Manufacturing Company. (See Sonnemann, William K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Swingle, Ralph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taliaferro, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Venable, Emerson, assignor.)
Westinghouse Electric & Manufacturing Company. (See Watrous, Ward W., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Weber, Joe, assignor.)
Westinghouse Electric & Manufacturing Company. (See Weisglass, Louis L., assignor.)
Weyl, Woldemar A., State College, Pa., assignor to Monsanto Chemical Company. Copper ruby glass. 2,354,164; July 18.
Whitin Machine Works. (See Crockett, Frank L., assignor.)
Wikoff, Ralph, Indianapolis, Ind. Locomotive storm window. 2,353,863; July 18.
Wilcoxson, Leslie S., Ridgewood, assignor to The Babcock & Wilcox Company, Newark, N. J. Apparatus for the recovery of heat and chemicals from waste liquor. 2,354,175; July 18.
Wiley, James W. (See Duffy, D. H., Wiley, and Ross.)
Williamson, James L., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Sharpening flat top gear shaping cutters. 2,354,165; July 18.
Wilske, Julius E. (See McLaughlin, J. E., Wilske, and McCormick.)
Williams, David M., assignor to Western Cartridge Company, New Haven, Conn. Firearm construction. 2,353,800; July 18.
Windham, Roy H., and B. J. Phillips, Rome, assignors to B. J. Bandy, Dalton, Ga. Marking machine. 2,354,166; July 18.
Wingquist, Sven G., Remningstorp, Sweden. Universal joint. 2,353,801; July 18.
Wire, Charles E., Washington, D. C. Foundation wall mold. 2,353,981; July 18.
Wolfová, Antonie. (See Netalová, A., and Wolfová.)
Wolverine Supply and Manufacturing Company. (See Green, Joseph, assignor.)
Wood, Clyde M., Youngstown, Ohio, and C. L. Jones, Wilmington, Del., said Wood assignor to Automatic Sprinkler Company of America, Youngstown, Ohio. Applying surface finish to pipe. 2,353,951; July 18.
Wooddell, Charles E., assignor to The Carborundum Company, Niagara Falls, N. Y. Reinforced abrasive article. 2,353,864; July 18.
Wooten, Ralph, Roundup, Mont. Shovel shifting tool for loading machines. 2,354,167; July 18.
Wyrick, Clayton E., assignor to The Egry Register Company, Dayton, Ohio. Typewriter controller. 2,354,082; July 18.
Yale & Towne Manufacturing Company, The. (See Ulinski, Bronislaus, assignor.)
Yerzley, Felix L., Verona, N. J. Spring. 2,353,952; July 18.
York, William P. (See Balcomb, Carl B., assignor.)
Young, Charles J., Ardmore, Pa., and M. Solomon, Haddonfield, N. J., assignors to Radio Corporation of America. Material creasing and indenting apparatus. 2,353,982; July 18.
Youngblood, Don C. (See Ernst, W., and Youngblood.)
Zimmermann, Lukas, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,353,802; July 18.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for applying protective coatings to suspended wires, cables, pipes, and the like. J. R. McMahon and E. C. Springfield. Re. 22,518; July 18.

Device for producing enlarged images. R. S. Hopkins. Re. 22,517; July 18.

Processing apparatus. B. De H. Miller and H. W. Bevarly. Re. 22,519; July 18.

LIST OF DESIGN INVENTIONS

Airplane. E. M. Lanier. 138,350–1; July 18.
Back for billfold or similar article. A. A. Tolbert. 138,355; July 18.
Basket or similar article. E. F. Smith and G. K. Wilson. 138,327; July 18.
Belt. B. D. Huff. 138,344; July 18.
Billfold, pass holder, and change holder, Combined. S. J. Smallman. 138,354; July 18.
Boat or the like. C. H. Clement, Jr. 138,338; July 18.
Brassière. P. Amyot. 138,310; July 18.
Cabinet, Record. H. E. Braloff. 138,337; July 18.
Cane, Walking. G. B. Wisecarver. 138,330; July 18.
Cap, Container. P. A. Derham. 138,312–13; July 18.
Compact or similar article. S. Dawer. 138,341; July 18.
Cornice, curtain and drapery bracket, Combined. W. Lyons. 138,321; July 18.
Dress. S. Kuznetz. 138,347–9; July 18.
Earring. C. A. Furst. 138,332; July 18.
Engine, Miniature. T. R. Arden. 138,311; July 18.
Exerciser. Foot and body. H. L. Cox. 138,340; July 18.
Frame, Woman's hat. M. Gross. 138,314–16; July 18.
Game device. Ball tossing and catching. J. J. Sanders. 138,360; July 18.
Handkerchief. E. J. Gassett. 138,333; July 18.
Handle, Actuator. J. F. Melichar. 138,322; July 18.
Hat. M. Solash. 138,328; July 18.
Housing for a vehicle light. E. B. Hallman. 138,317; July 18.
Jacket. E. Bauer. 138,336; July 18.
Pedal attachment, Automobile accelerator. S. L. Johnston. 138,320; July 18.
Pen, Fountain. D. Kahn. 138,346; July 18.
Pencil. D. Kahn. 138,345; July 18.
Pin, Brooch. A. Philippe. 138,353; July 18.
Rack or similar article, Magazine. N. Cooper. 138,339; July 18.
Ruler or similar article. H. A. Aikens. 138,309; July 18.
Shaker, Combined salt and pepper. A. Granese. 138,343; July 18.
Shaker, Pepper. B. Trifonoff. 138,357; July 18.
Shaker, Salt. B. Trifonoff. 138,356; July 18.
Snood or similar article. L. D. Despres. 138,331; July 18.
Stroller. H. Hopkins. 138,334; July 18.
Stroller and feeder, Combined baby. H. Hopkins. 138,318; July 18.
Tempet for drawing ellipses. A. J. Gilardi. 138,342; July 18.
Toy. G. Mielke. 138,324; July 18.
Toy airplane. F. C. Wasson. 138,329; July 18.
Toy duck. R. J. Awsumb. 138,335; July 18.
Toy or the like. M. Rappaport. 138,359; July 18.
Tray and lap table, Combined service. E. R. Morando. 138,352; July 18.
Tray or similar article. W. D. Weeks. 138,358; July 18.
Valve. J. F. Melichar. 138,323; July 18.
Valve check. C. Pool. 138,325; July 18.
Ventilator, Porthole. E. Rambusch. 138,326; July 18.
Walker, Baby. H. Hopkins. 138,319; July 18.
Wringer, Mop. I. Siebert. 138,361; July 18.

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PATENTS WERE ISSUED ON THE 18TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasion resistance of alloys, Improving. C. O. Burgess. 2,353,688; July 18.
Abrasive article, Reinforced. C. E. Wooddell. 2,353,864; July 18.
Absorption refrigerating apparatus. N. Erland af Kleen. 2,353,714–15; July 18.
Accounting machine. P. Spurlino, M. A. Goodbar, and M. D. Frost. 2,353,938; July 18.
Acid and fluosilicic acid salts, Preparing fluosilicic. H. C. Kawecki. 2,354,177; July 18.
Acid by fermentation, Producing citric. J. Szücs. 2,353,771; July 18.
Adjustable reclining chair. A. Lorenz and H. Luckhardt. 2,353,838; July 18.
Adjustable stroke pump. H. Molly. 2,353,745; July 18.
Adjustable work-holding device. A. J. Gruntorad. 2,353,891; July 18.
Advertising display dispenser. L. R. Redfield. 2,354,058; July 18.
Air blast arc chute. O. Jensen. 2,353,729; July 18.
Air-conditioning system. I. C. Baker and R. A. Gonzalez. 2,353,804; July 18.
Air filtering material. I. N. Smith. 2,353,936–7; July 18.
Air outlet device and producing same. F. Honerkamp. 2,353,826; July 18.
Air pump lubricant. G. Kaufman, K. Uhrig, and R. S. Barnett. 2,353,830; July 18.
Aircraft gun installation. H. K. Growald. 2,354,114; July 18.
Airfoil, Auxiliary. E. D. Shannon. 2,353,856; July 18.
Airfoil, Longitudinally controllable. M. M. Munk. 2,354,042; July 18.
Airplane. O. C. Koppen. 2,353,907; July 18.
Airplane. O. C. Koppen. 2,353,962; July 18.
Alternating-current synchronous motor. M. J. Johnson. 2,353,670; July 18.
Alumina from clay, Producing. S. C. Lyons. 2,354,133; July 18.
Aluminium base alloy with protective coating. G. Gauthier. 2,354,006; July 18.
Ammunition. C. L. Wainwright. 2,353,798; July 18.
Amplifier, Signal mixing. M. Cawein. 2,353,876; July 18.
Anion-exchange units, Operation of. R. J. Myers and D. S. Herr. 2,354,172; July 18.
Apparatus for assembling sheet material. U. C. Haren. 2,354,120; July 18.
Apparatus for coating metals and similar materials. A. R. Gould. 2,354,113; July 18.
Apparatus for extracting fruit. R. B. McKinnis. 2,353,841; July 18.
Apparatus for forming arcuate bearings. W. W. Pattison. 2,353,925; July 18.
Apparatus for installing elastic covers. R. S. Colley. 2,353,650; July 18.
Apparatus for loading wheeled vehicles and stocking-out material unloaded therefrom. H. F. H. Shields. 2,353,972; July 18.
Apparatus for making compressed wadding rolls. C. A. Fourness and R. A. Moravek. 2,353,821; July 18.
Apparatus for making tufts for tufted rugs. J. A. Bishop. 2,353,640; July 18.
Apparatus for molding thermoplastic material. V. E. Hofmann. 2,353,825; July 18.
Apparatus for performing circumcisions. A. B. Carmichael. 2,353,647; July 18.
Apparatus for precasting concrete stair structures. F. Kogl. 2,353,676; July 18.
Apparatus for producing can bodies. A. C. Hubbell. 2,353,728; July 18.
Apparatus for testing or measuring sizes or dimensions. G. F. Pembroke. 2,354,053; July 18.
Apparatus for the recovery of heat and chemicals from waste liquor. L. S. Wilcoxson. 2,354,175; July 18.
Applicator, Liquid. F. S. Bartlett. 2,353,987; July 18.
Atmosphere heat-treating furnace. A. Krauscope and G. P. Lessmann. 2,354,127; July 18.
Atomizing device. W. H. Rose. 2,354,063; July 18.
Automatic firearm breechblock stop. G. Webb. 2,354,080; July 18.
Automatic cutoff device. W. Waterman. 2,354,161; July 18.
Automatic gun-pointing mechanism. D. J. Stebbins. 2,354,153; July 18.
Automatic means for preventing detrimental physiological reactions at high altitudes. H. M. Kirschbaum. 2,353,906; July 18.

Automatic reverberation control. A. N. Goldsmith. 2,354,176; July 18.
Automatic theft preventing device. B. H. Skelly. 2,354,070; July 18.
Automobile door and window lock. H. M. Fredholm. 2,354,169; July 18.
Auxiliary ignition system for internal-combustion engines. C. E. Maier. 2,354,035; July 18.
Axial piston pump. H. Molly. 2,353,917; July 18.
Balance, Sash. R. Berry. 2,353,630; July 18.
Ball centers, Making. E. Hazell. 2,354,017; July 18.
Barrel, Tumbling. L. W. Barnes. 2,353,637; July 18.
Battery charger. E. J. Rueb and J. E. Trulson. 2,354,065; July 18.
Beam clamp. I. Diamond. 2,354,107; July 18.
Bearing for sliding doors or the like. N. D. Thompson. 2,353,976; July 18.
Beer, ale, or near-beer, Brewing. B. Stein. 2,354,092; July 18.
Belts, Making. N. J. Ritzert.. 2,354,062; July 18.
Beverage brewing apparatus. M. K. Grey. 2,354,008; July 18.
Bicycle. A. C. Johnston. 2,354,125; July 18.
Bicycle frame. C. L. Dewey. 2,353,712; July 18.
Biologically active substances, Preservation of. C. H. Barr. 2,353,985; July 18.
Blank-holder press. J. A. Muller. 2,354,041; July 18.
Bomb, Practice. H. W. Mitchell. 2,354,039; July 18.
Bottle cap. K. Clark and H. G. Vore. 2,353,879; July 18.
Bottle carrier. J. F. Power. 2,353,846; July 18.
Box: *See*—
Cardboard box.
Brake: *See*—
Electromagnetic brake. Power brake.
Branch valve and drain valve, Combined. F. A. Weber. 2,353,862; July 18.
Brewing apparatus. B. Stein. 2,354,093; July 18.
Burner: *See*—
Gas burner. Oil burner.
Cable end construction. E. R. Goldfield. 2,353,719; July 18.
Camera. T. McG. Aiken. 2,354,168; July 18.
Camera for color photography. A. W. Tondreau. 2,353,797; July 18.
Can runway. R. E. J. Nordquist. 2,353,748; July 18.
Can testing machine. C. F. Peck. 2,353,758; July 18.
Can transfer apparatus and method. F. W. Butler. 2,354,103; July 18.
Can unloading machine. J. D. Le Frank. 2,353,736; July 18.
Cap: *See*—
Bottle cap.
Cardboard box. W. Bamber. 2,354,098; July 18.
Car truck construction. J. L. Haynes. 2,354,016; July 18.
Carrier: *See*—
Bottle carrier. Skate carrier.
Carton or container. W. A. Ringler. 2,353,761; July 18.
Cartridge. J. Schreib. 2,353,934; July 18.
Cartridge link manufacture. A. E. Borton. 2,353,632; July 18.
Case: *See*—
Steering wheel cigarette case.
Casting. T. G. Jungersen. 2,354,026; July 18.
Castings, Treatment of. W. G. Edwards and E. L. McCandless. 2,353,657; July 18.
Catalytic conversion of hydrocarbons. L. C. Kemp. 2,353,832; July 18.
Cathode for discharge tubes. J. O. Aicher. 2,353,635; July 18.
Cellulosic materials, Bleaching. C. A. Hampel. 2,353,823; July 18.
Chain winding mechanism for industrial trucks. B. Ulinski. 2,354,178; July 18.
Chain wrench. A. A. Buice. 2,353,642; July 18.
Chair: *See*—
Adjustable reclining chair.
Chair. A. Lorenz. 2,353,737; July 18.
Chewing gum material. O. A. Pickett. 2,353,927; July 18.
Choke, Removable bottom hole. P. Coonrod. 2,353,652; July 18.
Chuck, Crankshaft. W. F. Groene and H. J. Siekmann. 2,354,009; July 18.
Cinder metering. G. Hyde. 2,353,828; July 18.

Circuit: *See*—
Coded track circuit. Traffic locking circuit.
Synchronizing pulse separating circuit.
Circuit breaker. J. Weber. 2,354,162; July 18.
Circuit breaker, Inclosed. R. H. Swingle. 2,354,157; July 18.
Circuit interrupter. L. R. Ludwig and P. O. Langguth. 2,354,134; July 18.
Clamp: *See*—
Beam clamp.
Clamp for concrete forms. J. W. Keffer. 2,353,831; July 18.
Cleanable filter. R. L. Skinner. 2,354,150; July 18.
Clip: *See*—
Securing clip.
Clockwork escapement. G. Honger. 2,354,020; July 18.
Closure, Bottle. A. Netalova and A. Wolfova. 2,354,043; July 18.
Clothing, Air-pervious. A. Barone. 2,353,984; July 18.
Clutch: *See*—
Fluid pressure clutch. Plate clutch.
Overload clutch.
Coal for conversion into metallurgical coke. Preparing. C. Otto. 2,353,752; July 18.
Coating composition. W. P. Lawler, G. J. Hable, and J. V. Steinle. 2,353,910; July 18.
Coating machine. J. H. Gordon, Jr., and V. T. Grover. 2,353,721; July 18.
Coded track circuit. A. L. Jerome. 2,354,024; July 18.
Coded track circuit signaling system. F. X. Rees. 2,353,930; July 18.
Collecting mechanism. D. W. Molins and F. F. Ruau. 2,354,040; July 18.
Color photography using metallic salt coupler compounds. W. D. Peterson. 2,353,754; July 18.
Color-separation negatives, Correction of. B. L. Sites. 2,354,149; July 18.
Color separations in art work, Producing. C. B. Balcomb. 2,353,867; July 18.
Colorimetric apparatus. R. S. Estey, W. F. Peck, and K. W. Harper. 2,353,716; July 18.
Composition of matter for crack sealers or the like. E. O. Groskopf. 2,353,723; July 18.
Compounds of the cyclopentano-polyhydrophenanthrene series and manufacture of the same. A. Butenandt, J. Schmidt-Thomé and I. Schwenk. 2,353,808; July 18.
Condiment holder. J. Fess. 2,354,004; July 18.
Connector: *See*—
Electric connector. Wire connector.
Connector for insulated conductors. M. A. Mattis. 2,353,778; July 18.
Contacts, Forming. W. J. Weder. 2,354,081; July 18.
Container: *See*—
Dispensing container. Pill dispensing container.
Explosive container.
Container. E. B. Duell. 2,353,818; July 18.
Container. J. E. Robinson and R. P. Bigger. 2,353,762; July 18.
Container body and end closure feeding mechanism. O. A. Schmitt. 2,354,068; July 18.
Container support for perfume. W. B. Cohen. 2,353,649; July 18.
Control apparatus. H. E. Malone. 2,353,740; July 18.
Control system. W. G. Cook. 2,354,105; July 18.
Control system. L. L. Cunningham. 2,353,692; July 18.
Control system. M. E. Reagan. 2,354,143; July 18.
Controllable pitch propeller. C. Unterberg. 2,353,773; July 18.
Conveyer system. E. J. Beaulieu, L. E. Bennett, and P. S. McCann. 2,353,638; July 18.
Cooker. J. S. Baker. 2,353,805; July 18.
Cooling electrical apparatus. E. Venable. 2,354,159; July 18.
Cooling means for engine pistons. W. H. Purdie. 2,354,057; July 18.
Copying apparatus. L. Flemming. 2,354,108; July 18.
Copying camera unit. E. S. Hineline. 2,353,894; July 18.
Cork. G. A. Kimber. 2,353,674; July 18.
Corner construction for bed springs. A. Rouleau. 2,353,788; July 18.
Cotton comber. F. L. Crockett. 2,353,812; July 18.
Couplings of direct current motors, Transition between. P. M. J. de Giacomoni. 2,354,002; July 18.
Covering material. A. D. MacNutt. 2,353,680; July 18.
Crankcase heater. R. H. Richardson. 2,354,061; July 18.
Crushing machine. F. H. Edwards. 2,353,955; July 18.
Cutter: *See*—
Gear cutter. Rod and cable cutter.
Cutters, Sharpening flat top gear shaping. J. L. Williamson. 2,354,165; July 18.
Cutting-off tool and holder. J. M. Luers. 2,353,913; July 18.
Cyanoaldehydes and producing them. H. A. Bruson and T. W. Riener. 2,353,687; July 18.
Cyclic lubricating installation, Indicator for. E. H. Kocher. 2,353,734; July 18.
Cylinder attaching means. V. I. Moncrieff. 2,353,779; July 18.
Cylinder liner forcing mandrel. F. A. Wagner. 2,353,774; July 18.
Dampener, vibration. H. A. Storch. 2,353,943–5; July 18.
Defeathering compound. O. T. Bloom. 2,353,869; July 18.
Dehairing skins. E. F. Christopher. 2,353,878; July 18.
Density cone and drop bucket, Combination. M. J. Sowell. 2,353,792; July 18.
Dental matrix retainer. J. D. Morrison. 2,353,747; July 18.
Desk and table, Combined. M. K. Cooper. 2,354,106; July 18.
Detector, Fire. A. J. Gardenhour. 2,354,111; July 18.
Detector, Vibration. D. S. Muzzey, Jr. 2,353,920; July 18.
Device for rolling rods of veneer and the like. E. M. Frid. 2,353,957; July 18.
Diazo-type sensitive material, Stabilized. M. K. Reichel. 2,354,088; July 18.
Dicalcium phosphate and ammonium chloride, Production of. E. J. Fox. 2,353,658; July 18.
Dihydroxy halogenated diphenyl methanes and making same. W. S. Gump. 2,353,725; July 18.
Dihydroxy halogenated diphenyl methanese and making same. W. S. Gump. 2,354,012–13; July 18.
Direct-current motor. C. A. Atwell. 2,354,097; July 18.
Discharge devices, Manufacture and processing of. E. B. Noel. 2,353,783; July 18.
Dispenser: *See*—
Advertising dispenser.
Dispensing container. E. B. Duell. 2,353,819; July 18.
Display device. O. Brunner. 2,354,102; July 18.
Drier: *See*—
Garment drier.
Drilling apparatus. C. H. Priest, Jr. 2,353,757; July 18.
Drive mechanism. C. R. Paton. 2,354,139; July 18.
Dyestuffs and their manufacture, Monoazo. O. Knecht and O. Senn. 2,353,675; July 18.
Dynamoelectric machine, Temperature-compensated. W. R. Harding. 2,354,119; July 18.
Edible compositions, Producing. F. E. Parker. 2,353,924; July 18.
Eggs, Shelling. D. T. Archer. 2,354,096; July 18.
Electric apparatus. P. A. Vance. 2,354,078; July 18.
Electric articles, Impregnating. J. G. Tandberg. 2,354,074; July 18.
Electric condensers or other articles on support plates, Mounting. W. C. Handley and J. C. Quayle. 2,354,015; July 18.
Electric connector. M. Alden. 2,353,628; July 18.
Electric discharge device. D. D. Hinman. 2,353,668; July 18.
Electric wiring apparatus. V. R. Despard. 2,353,882; July 18.
Electrical distribution system. J. S. Parsons. 2,354,138; July 18.
Electrode brace. W. W. Watrous, Jr. 2,353,775; July 18.
Electrolytic preparation of alkali metal ferricyanides. H. R. Neumark. 2,353,781; July 18.
Electrolytic preparation of sodium ferricyanide. H. R. Neumark. 2,353,782; July 18.
Electromagnetic actuating mechanism for solenoid valves or the like. C. J. Lane and A. M. Patterson. 2,353,835; July 18.
Electromagnetic brake. C. S. Janes. 2,353,900; July 18.
Electromagnetic friction device. J. G. Oetzel. 2,353,749–50; July 18.
Electromagnetic regulator and switch, combined. F. Menzel. 2,354,038; July 18.
Electromagnetically operated valve. W. A. Ray. 2,353,848; July 18.
Electronic control system. R. W. Pearson and D. P. Faulk. 2,354,140; July 18.
Electrothermic reactions, Carrying out. C. G. Suits. 2,353,770; July 18.
Engine: *See*—
Supercharged internal-combustion engine.
Engine starter gearing for internal-combustion engines. B. W. Jones. 2,353,904; July 18.
Esters of the hydroxy-stilbene series and preparing same. K. Miescher and J. Heer. 2,353,684; July 18.
Excavator bucket. A. R. Askue. 2,353,685; July 18.
Explosive container. D. G. Magill. 2,353,739; July 18.
Fan construction. C. O. Broders. 2,354,101; July 18.
Fan for heat exchange devices. D. W. Lake and J. Briskin. 2,354,128; July 18.
Fastener: *See*—
Locking fastener. Slide fastener.
Fastening forming machine. E. L. Butler. 2,353,645; July 18.
Feed cushioning mechanism. R. E. Price. 2,354,056; July 18.
Fiber attenuating apparatus. E. Fletcher. 2,353,887; July 18.
Filaments, thread fibers, bands, films, and the like from proteins, Producing. L. A. van Bergen. 2,354,077; July 18.
Filaments to their support, Attachment of. W. J. Knochel and H. F. Beyer. 2,353,961; July 18.
Files, Sharpening. R. Martines. 2,353,683; July 18.
Filler, Dual type volume. M. M. Raymer. 2,354,087; July 18.
Film for the production of colored copies, Matrix. G. Heymer. 2,354,121; July 18.

Film pack holder or adapter. O. Steiner. 2,353,895; July 18.
Filter: *See*—
Cleanable filter. Universal resistance capacitance filter.
Fuel oil filter.
Filter and heater unit holder particularly for aerial cameras. R. J. Nitsch. 2,353,898; July 18.
Filter glass holder. E. B. Mailliart. 2,353,682; July 18.
Finish to pipe, Applying surface. C. M. Wood and C. L. Jones. 2,353,951; July 18.
Finishing tool. J. C. Cantley. 2,353,646; July 18.
Firearm. E. H. Johnson. 2,354,025; July 18.
Firearm. C. C. Loomis. 2,353,679; July 18.
Firearm construction. D. M. Williams. 2,353,800; July 18.
Fire extinguishing system with remote controlled selective multiway distribution. A. Mathisen. 2,353,765; July 18.
Fish, Dressing. P. Danielsson. 2,353,654; July 18.
Fluid control valve. W. A. Ray. 2,353,759; July 18.
Fluid nozzle. V. J. Skoglund. 2,354,151; July 18.
Fluid pressure clutch. W. P. Schmitter. 2,354,174; July 18.
Flush contacts, Producing. H. Kershaw. 2,354,028; July 18.
Foamy oil, Separator for treating. G. O. Kimmell. 2,353,833; July 18.
Folder, Postal greeting. W. H. Sass. 2,354,066; July 18.
Food product preservation. E. C. Haines. 2,354,014; July 18.
Footwear. J. J. Jakosky. 2,353,829; July 18.
Foundation wall mold. C. E. Wire. 2,353,981; July 18.
Frame: *See*—
Bicycle frame. Pocketbook frame.
Free-chain planetary hoist. F. W. Coffing and R. H. Johnston. 2,353,648; July 18.
Fuel oil filter. V. R. Pawelsky and W. A. Biermann. 2,354,051; July 18.
Fuel supply means. R. A. Morton. 2,353,919; July 18.
Furnace: *See*—
Atmosphere heat-treating furnace.
Game, Ball. J. M. Bach. 2,353,866; July 18.
Garment drier. A. Matthews, R. C. Pauly, and B. E. Maxon. 2,353,741; July 18.
Garment hanger. C. G. Bess. 2,354,099; July 18.
Gas burner. L. B. Armstrong. 2,353,865; July 18.
Gas generating apparatus. S. E. Peters. 2,353,926; July 18.
Gate: *See*—
Highway crossing gate.
Gauge: *See*—
Height gauge.
Gauging apparatus. K. K. Deeren. 2,353,813; July 18.
Gear cutter. B. E. Shlesinger. 2,353,768; July 18.
Gear tooth face finishing apparatus and method. D. A. Wallace. 2,353,861; July 18.
Generator: *See*—
Steam generator.
Geometrical instrument. J. H. D. Beaucage. 2,353,989; July 18.
Germicidal soap. W. S. Gump. 2,353,724; July 18.
Germicidal soap. E. C. Kunz, M. Luthy, and W. S. Gump. 2,353,735; July 18.
Glass, Copper ruby. W. A. Weyl. 2,354,164; July 18.
Grader and purifier, Granular material. L. Johnson and M. A. Rieman. 2,353,903; July 18.
Gravity operated electric switch. H. M. Salmond and A. Mathisen. 2,353,764; July 11.
Grinding apparatus. L. W. Enholm. 2,353,956; July 18.
Gun. W. T. Gorton. 2,353,722; July 18.
Gun and ammunition. M. L. Dodge and W. V. Baker. 2,353,816; July 18.
Gun, Portable grenade. C. F. Shaffer, H. J. Fanger, and H. Gruenhagen. 2,353,971; July 18.
Hanger: *See*—
Garment hanger.
Harness for masks, Head. A. H. Bulbulian. 2,353,643; July 18.
Harvester. J. Garst. 2,354,112; July 18.
Head and cylinder welding stake. D. P. Bisbee, R. J. Seltzer, and P. F. Thayer. 2,353,868; July 18.
Head, Spray. O. W. Holden. 2,354,019; July 18.
Header unit, Steam delivery and superheater. A. J. Wegmann. 2,353,776; July 18.
Heat exchanger, Surface type. A. R. Smith. 2,354,071; July 18.
Heater: *See*—
Crankcase heater. Radiant heater.
Heating plant. O. H. Dicke. 2,353,815; July 18.
Height gauge. L. V. Nystrom. 2,354,137; July 18.
High frequency apparatus. E. D. McArthur. 2,353,742; July 18.
High frequency electronic discharge device. E. D. McArthur. 2,353,743; July 18.
High volatile coal, Coking. C. Otto. 2,353,753; July 18.
Highway crossing gate. J. E. Stephenson. 2,353,942; July 18.
Holder: *See*—
Condiment holder. Matchbook holder.
Filter glass holder. Pencil holder.
Indicator holder. Shade holder.
Holder for making change, Coin. P. G. Crampton. 2,354,001; July 18.
Homogenizing and heat-treating fluids. E. E. Lindsey. 2,353,912; July 18.
Honing machine. C. A. Fulmer. 2,353,958; July 18.
Hook: *See*—
Safety box hook.
Hub damper, Propeller. E. Martin and C. M. Kearns, Jr. 2,353,681; July 18.
Hydrated magnesium silicate decolorizing material, Improving the physical properties of a synthetic. M. Y. Seaton. 2,353,970; July 18.
Hydraulic jack. W. E. Mainwaring. 2,354,036; July 18.
Hydraulic press. W. Ernst and D. C. Youngblood. 2,354,003; July 18.
Hydrocarbon conversion. E. R. Kanhofer. 2,353,731; July 18.
Hydrocarbon conversion. E. F. Nelson. 2,353,923; July 18.
Hydrocarbons, Treatment of. L. Schmerling. 2,353,766; July 18.
Image reproducing apparatus. W. H. Bliss. 2,353,631; July 18.
Implemental equipment for life rafts and the like. P. R. Goldman. 2,353,662; July 18.
Indicator: *See*—
Level indicator. Torque indicator.
Indicator for suction cleaners, Dust arresting. D. B. Replogle. 2,354,089; July 18.
Indicator holder. J. E. Oslund. 2,354,046; July 18.
Insulation for silicon irons. C. C. Horstman and W. H. Brandt. 2,354,123; July 18.
Insulator and regulator, Baby's bottle. L. A. Lockwood. 2,353,678; July 18.
Insulator device. R. P. Hanna. 2,354,117; July 18.
Intake fuel system for internal-combustion engines. O. F. Haibe. 2,353,665; July 18.
Isomerization of paraffin hydrocarbons. V. N. Ipatieff and H. Pines. 2,353,899; July 18.
Jack: *See*—
Hydraulic jack. Vehicle jack.
Jack and brake arrangement for vertical generators and the like, Hydraulic. W. E. Mainwaring. 2,354,037; July 18.
Jewel. W. F. Schmalz. 2,354,067; July 18.
Jig for assembling components of substructures. D. H. Duffy, J. W. Wiley, and M. M. Ross. 2,353,954; July 18.
Joint: *See*—
Universal joint.
Keeper. J. B. Milner. 2,353,844; July 18.
Kit construction, Noncrushable. L. A. Schaffer. 2,353,932; July 18.
Knitting machine. A. Shortland. 2,353,973; July 18.
Knitting machine and sinker. W. A. Cooper. 2,353,634; July 18.
Layout apparatus. E. S. Guttmann. 2,353,726; July 18.
Lens capping mechanism. W. O. Runcie. 2,354,145; July 18.
Level indicator. E. Leveille. 2,353,911; July 18.
Light-weight composition and its production. G. Sucetti. 2,354,156; July 18.
Lining for hydrocarbon treating apparatus. C. Weizmann and H. Steiner. 2,353,163; July 18.
Link, Detachable. G. C. Staats. 2,353,939–40; July 18.
Liquid cooling system for internal-combustion engines. C. K. Newcombe. 2,353,966; July 18.
Liquid level responsive means. G. F. Brockett. 2,353,641; July 18.
Liquid pressure remote-control system. F. S. Eves and A. C. Bamford. 2,353,884; July 18.
Liquid spraying device. W. H. Rose. 2,354,064; July 18.
Loader, Hay. F. Warren. 2,353,949; July 18.
Loading equipment, Mobile. H. O. Day. 2,353,655; July 18.
Lock: *See*—
Sash lock.
Lock for semitrailers, Safety. D. E. Bramble. 2,353,992; July 18.
Locking chain links. T. R. James. 2,354,124; July 18.
Locking device. A. G. F. Wallgren. 2,354,160; July 18.
Locking fastener. G. A. Tinnerman. 2,353,795–6; July 18.
Locomotive storm window. R. Wikoff. 2,353,863; July 18.
Loom. E. R. Pedrazzo. 2,353,968; July 18.
Lubricant. C. M. Loane and J. W. Gaynor. 2,353,837; July 18.
Lubricant. J. D. Morgan. 2,354,171; July 18.
Lubricant, Goldbeating. D. D. Swift. 2,354,072; July 18.
Machine for assembling partitions. J. E. McLaughlin, J. E. Wilske, and F. A. McCormick. 2,353,842; July 18.
Machine for the manufacture of cigar bunches or the like. K. E. Granstedt. 2,353,663; July 18.
Machine for treating paper. P. W. Chapman and O. A. Jouret. 2,353,994; July 18.
Magnetic actuator. O. L. Price. 2,353,756; July 18.
Malleable casting and making the same, Case hardened. J. H. Powers. 2,354,055; July 18.
Manifold for multicylinder engines, Intake. L. Rostoker and S. J. Evelyn. 2,353,787; July 18.
Manifolding. A. A. Johnson. 2,353,902; July 18.
Marking machine. R. H. Windham and B. P. Phillips 2,354,166; July 18.

Match book holder. C. J. Donovan. 2,353,656; July 18.
Material creasing and indenting apparatus. C. J. Young and M. Solomon. 2,353,982; July 18.
Material handling mechanism. H. H. Colson. 2,353,651; July 18.
Material working apparatus. M. L. Svikhart. 2,353,794; July 18.
Measuring device. J. N. Ward. 2,353,799; July 18.
Measuring instrument, Precision. R. Findley and H. L. Fultz. 2,353,886; July 18.
Measuring system. L. L. Weisglass. 2,353,979; July 18.
Metal drawing, Device for. P. E. Flowers. 2,354,005; July 18.
Metal-forming apparatus. G. Stuhlfauth. 2,353,857; July 18.
Metalworking apparatus. J. D. Buchanan. 2,353,874; July 18.
Method and apparatus for processing food products. G. T. Reich. 2,353,784; July 18.
Method of and apparatus for controlling spooling motors. W. Berthold and W. W. Rea. 2,353,639; July 18.
Milliampere seconds timer. L. L. Weisglass. 2,353,980; July 18.
Mixer: *See*—
Paper machine flow mixer.
Mold: *See*—
Foundation wall mold.
Molded article and making the same. B. F. Conner. 2,353,995; July 18.
Molding. B. A. Cooke and L. W. Gane. 2,353,996; July 18.
Molding press. A. W. Kingston. 2,354,029; July 18.
Motor: *See*—
Alternating-current synchronous motor. Direct-current motor. Wheel motor.
Motor operated circuit breaker. J. W. May. 2,354,135; July 18.
Moving floor vehicle. H. W. Swift. 2,353,948; July 18.
Muffler. D. Cortez and C. Paternoster. 2,353,998; July 18.
Muffler. W. B. McLeod. 2,353,914; July 18.
Needle, Knitting. E. W. Burnham. 2,353,875; July 18.
Notebook plastic binding, Making. C. W. Thomas. 2,354,094; July 18.
Oil and gas range, Combination. W. T. Caley. 2,353,689; July 18.
Oil burner. C. L. Cooper. 2,353,880; July 18.
Oil well liner screen. W. S. E. Crake. 2,353,881; July 18.
Oils, Treatment of hydrocarbon. H. E. Wenzke. 2,353,950; July 18.
Olive sizer. F. Stebler. 2,353,941; July 18.
Optical device and manufacture thereof. A. H. Sharpe and V. Walker. 2,354,091; July 18.
Organic substances, Stabilization of. R. G. Clarkson and C. J. Pedersen. 2,353,690; July 18.
Ornament, Christmas tree. H. A. Sayford. 2,353,853; July 18.
Ornamental objects, Making coated. M. C. Meyer. 2,353,744; July 18.
Orthopedic hand. J. A. Q. Costa. 2,353,811; July 18.
Outlet device for air-conditioning systems. E. Sternberg. 2,354,155; July 18.
Overload clutch. C. A. Heyne. 2,353,824; July 18.
Overtravel mechanism, Snap switch. O. H. Kaminky. 2,354,027; July 18.
Oxide films from aluminum and its alloys, Solution and method for stripping. E. Ross. 2,353,786; July 18.
Package wrapping. B. Y. James. 2,353,669; July 18.
Packaging process. G. A. Moore. 2,353,746; July 18.
Packing device for fluid pressure apparatus. P. W. Thornhill. 2,353,977; July 18.
Paper making flow mixer. P. H. Goldsmith. 2,354,007; July 18.
Passageway enclosure for passenger cars. K. Nystrom and L. L. Lentz. 2,354,045; July 18.
Pencil holder. R. B. Hansen. 2,354,118; July 18.
Petroleum emulsions, Breaking. M. De Groote. 2,353,694–711; July 18.
Phase inverter. A. Keck and J. M. Brumbaugh. 2,353,672; July 18.
Phosphonium compounds. W. Lommel and H. Münzel. 2,353,964; July 18.
Photographic images, Obtaining. B. Gáspár. 2,353,661; July 18.
Photographic synchronizer testing equipment. J. A. Sprague. 2,353,896; July 18.
Pill dispensing container. H. L. Apfelbaum. 2,353,629; July 18.
Pillows, Renovating. J. O. Huebsch, Jr. 2,353,827; July 18.
Plastic composition for wallboard joints. H. F. Gardner. 2,353,822; July 18.
Plastic solutions and incorporating solid filling material therein, Forming. C. E. Boutwell. 2,353,991; July 18.
Plate clutch. G. E. Stanley. 2,353,793; July 18.
Plywood. A. J. Stamm and R. M. Seborg. 2,354,090; July 18.
Pneumatic dispatch system. F. J. Blume. 2,353,870; July 18.
Pocketbook frame. K. Karish. 2,353,671; July 18.
Polishing and fogging inhibiting product. H. C. Weber. 2,353,978; July 18.
Pottery molds, Apparatus and method for charging. W. J. Miller and A. J. Reek. 2,354,170; July 18.
Powder dispensing device, Toilet. D. Topjian. 2,353,772; July 18.
Power brake. E. R. Price. 2,353,755; July 18.
Power transmission. O. K. Kelley. 2,353,905; July 18.
Power transmission. I. C. McKechnie. 2,353,840; July 18.
Power transmission. R. A. Shartle. 2,353,791; July 18.
Power transmission mechanism. D. I. Brown. 2,353,807; July 18.
Preparation of TiO_2. R. H. Monk. 2,353,918; July 18.
Preservation. C. H. Barr. 2,353,986; July 18.
Press: *See*—
Blank-holder press. Molding press.
Hydraulic press. Toggle press.
Press. H. F. MacMillin and J. A. Muller. 2,354,034; July 18.
Pressure-membrane extraction apparatus. L. A. Richards. 2,353,760; July 18.
Progressive separator. V. F. Greaves. 2,353,664; July 18.
Projector, Picture. F. T. Fuge. 2,353,888; July 18.
Pulp, Purification of. H. Banning. 2,353,983; July 18.
Pump: *See*—
Adjustable stroke pump. Vane pump.
Axial piston pump.
Pump and motor, Fluid. A. H. Neuland. 2,353,780; June 18.
Pump or compressor. G. R. Meador. 2,353,965; July 18.
Pump and valve, Combined water. M. W. Bowen. 2,353,871; July 18.
Pusher ram for coke ovens. H. Koppers. 2,354,030; July 18.
Radiant heater. W. S. Bowen. 2,354,100; July 18.
Radiometeorograph receiving relay apparatus. J. R. MacKay. 2,354,086; July 18.
Railway traffic controlling apparatus. J. M. Pelikan. 2,354,052; July 18.
Ramie and allied fibers, Treatment of. F. A. Svoboda and A. Skolnik. 2,353,947; July 18.
Rear wheel mounting for plows. W. R. Frank. 2,353,659; July 18.
Receptacle: *See*—
Stick receptacle.
Receptivity of sheet materials to coatings, inks, and the like, Determining the. B. W. Rowland, D. Fronmuller, and J. A. Van den Akker. 2,353,852; July 18.
Recording apparatus. C. W. Caldwell. 2,353,633; July 18.
Refining sulphur. R. C. Hills. 2,353,959; July 18.
Refrigerating apparatus. E. Dickey. 2,353,883; July 18.
Refrigerating apparatus. L. U. Larkin. 2,354,131; July 18.
Refrigeration. A. R. Thomas. 2,353,859; July 18.
Regulator: *See*—
Temperature regulator.
Relay, Single-ground-fault-detecting. W. K. Sonnemann. 2,354,152; July 18.
Removable hood. H. F. Stiffler. 2,353,769; July 18.
Repair device. J. W. Shields. 2,354,069; July 18.
Resilient porous products, Making. R. G. Chollar. 2,353,877; July 18.
Resinous material embodying glass fibers. J. G. Ford and R. D. Spencer. 2,354,110; July 18.
Rod and cable cutter. E. C. Neal. 2,353,922; July 18.
Roll for handling adhesive sheets, Repellent. G. Schieman. 2,353,789; July 18.
Roll leaf and making the same. D. D. Swift. 2,354,073; July 18.
Rotating band. J. H. Church. 2,353,693; July 18.
Rounds counter for automatic firearms. G. Webb. 2,354,079; July 18.
Rubber to metal and product thereof, Adhering. M. E. Gross. 2,354,011; July 18.
Runner training apparatus. P. V. Palmquist. 2,354,049; July 18.
Runner training apparatus. J. Paupa. 2,354,050; July 18.
Safety box hook. J. F. Roberts. 2,353,850; July 18.
Sash lock. M. L. Dilks. 2,353,953; July 18.
Saw rig. E. D. Adams. 2,354,095; July 18.
Saw, Timber. R. L. Brownlee. 2,353,873; July 18.
Scale. W. N. Stone. 2,353,974; July 18.
Scraper mechanism. J. P. Seaholm. 2,353,790; July 18.
Screen: *See*—
Oil well liner screen.
Seal for antifriction bearings. D. E. Batesole and G. H. Kendall. 2,353,988; July 18.
Sealing edge for installation of piers, Self-adjusting. A. D. Quinn. 2,354,142; July 18.
Securing clip. R. A. Schneider. 2,353,933; July 18.
Selenium coatings, Forming. E. A. Flood. 2,354,109; July 18.
Sensitized material holder or carrier for photographic synchronizer testing equipment. J. A. Sprague. 2,353,897; July 18.
Separator: *See*—
Progressive separator.
Sewed connection. E. J. King. 2,353,960; July 18.
Shade holder. C. L. Steber. 2,354,154; July 18.
Shaving tool with inserted cutting blades and making same. W. F. Ross. 2,354,144; July 18.

Sheet, Flexible lenticular optical. P. V. Palmquist. 2,354,048; July 18.
Sheet, Light reflector. H. Heltzer and J. E. Clarke. 2,354,018; July 18.
Sheet material, Method and apparatus for coating. L. L. McGladrey and C. M. Rhodes. 2,354,033; July 18.
Sheet material, Moistureproof. C. M. Rhodes and J. P. Sermattei. 2,354,060; July 18.
Shock absorber. A. E. Brickman. 2,353,872; July 18.
Shoulder mortar. H. J. Fanger and H. Gruenhagen. 2,353,885; July 18.
Shoulder tree. W. W. McFall. 2,353,839; July 18.
Shovel shifting tool for loading machines. R. Wooten. 2,354,167; July 18.
Shutter mechanism for photorecording and other cameras. E. S. Hineline. 2,353,893; July 18.
Sieve nettings, Manufacture of. E. Hubert and H. Rein. 2,354,022; July 18.
Signaling system, Code. W. J. Kennedy. 2,353,673; July 18.
Skate carrier. R. J. Carson. 2,353,809; July 18.
Slide fastener. J. T. Tedesco. 2,353,858; July 18.
Snowplow. M. M. Piltz. 2,353,928; July 18.
Soap, Process and apparatus for molding. R. Craig and L. S. Harber. 2,354,000; July 18.
Soap and process for its manufacture. R. Brown. 2,354,686; July 18.
Socket, Wire rope. G. C. Soule. 2,353,975; July 18.
Soft curd milk, Preparing. A. B. Storrs. 2,353,946; July 18.
Softening of water and the flocculation of suspended solids in aqueous liquids. J. O. Samuel. 2,354,146; July 18.
Soil shredder and pulverizer. F. J. Lindig. 2,353,836; July 18.
Sole preparing machine. W. L. MacKenzie. 2,353,738; July 18.
Solids from mixtures of solids and liquids, Separation of. E. L. Cole and H. H. Gross. 2,353,810; July 18.
Space discharge tube. L. H. La Forge, Jr. 2,354,031; July 18.
Spindle control mechanism. W. F. Groene and H. J. Siekmann. 2,354,010; July 18.
Spring. F. L. Yerzley. 2,353,952; July 18.
Staple package. W. H. Bixby. 2,354,083; July 18.
Starting control for electric discharge devices. T. W. Frech. 2,353,660; July 18.
Steam generator. G. A. Rehm. 2,354,059; July 18.
Steel. H. Scott. 2,354,147; July 18.
Steering wheel cigarette case. H. P. Blay and F. G. Thannhauser. 2,353,806; July 18.
Stick receptacle. R. M. Morey. 2,354,136; July 18.
Stop mechanism for looms, Warp. J. H. Burgess and G. W. Fender. 2,353,644; July 18.
Straightening machine. W. H. Mursch. 2,353,845; July 18.
Strain measuring system. B. F. Langer. 2,354,129; July 18.
Strain measuring system. B. F. Langer and T. E. Browne, Jr. 2,354,130; July 18.
Strap for wrist-watches, apparel belts and the like. J. P. Schultheiss. 2,353,854; July 18.
Supercharged internal combustion engine. F. M. Owner. 2,354,047; July 18.
Switch: *See*—
Gravity operated electric switch.
Switch mechanism. H. Purat. 2,353,847; July 18.
Synchronizing pulse separating circuit. H. T. Lyman. 2,354,032; July 18.
Table and bench construction, Combination. J. C. Higgins. 2,353,892; July 18.
Table-top construction. W. J. Weissert. 2,353,777; July 18.
Tag fixing and marking device, Garment. E. L. Bailey. 2,353,636; July 18.
Tamping device. T. A. Blair. 2,353,990; July 18.
Telephone substation. C. S. Rhoads. 2,353,785; July 18.
Temperature regulator. J. V. Giesler. 2,353,889; July 18.
Therapeutic product and manufacture of the same. J. Lee and U. V. Solmssen. 2,354,132; July 18.
Thermostat device for absorption refrigerating apparatus. N. Erland af Kleen. 2,353,713; July 18.
Thiourea, Manufacture of. R. H. Cooper. 2,353,997; July 18.
Throttle valve mechanism. F. A. Meyer. 2,353,915; July 18.
Thrust bearing. I. P. Rodman. 2,353,763; July 18.
Tire. G. D. Scott. 2,353,935; July 18.
Tire building drum. E. F. Schnedarek. 2,353,767; July 18.
Tire, Spring vehicle wheel. F. Nicoletti. 2,354,044; July 18.
Tobacco. T. H. Garber. 2,353,718; July 18.
Toggle press. J. F. Johnson, Sr. 2,354,126; July 18.
Tool: *See*—
Finishing tool.
Tool. W. S. Miles and P. A. Voigt. 2,353,843; July 18.
Tool for applying cable clips. B. V. Kruger. 2,353,908; July 18.
Tool holder for reamers. O. Klute. 2,353,834; July 18.
Toothbrush, Folding. M. Landesman. 2,353,963; July 18.
Torque indicator. C. C. De Pew. 2,353,814; July 18.
Torsionmeter. P. Clingman. 2,353,691; July 18.
Toy organ. J. Green. 2,353,890; July 18.
Track circuit signaling system, Coded. W. H. Reichard. 2,353,931; July 18.
Traction device for vehicle wheels. J. Mickelson. 2,353,916; July 18.
Tractor attachment. G. Geraldson. 2,354,084; July 18.
Traffic locking circuit. C. D. Ihrig. 2,354,023; July 18.
Transmission, Power. L. Zimmermann. 2,353,802; July 18.
Transmitter. A. F. Horlacher. 2,354,021; July 18.
Transmitter tubes, Arrangement to disconnect. W. Kummerer. 2,353,677; July 18.
Trap: *See*—
Waste and grease trap.
Trap. F. Doverspike. 2,353,817; July 18.
Treating materials and articles so produced, Process and article for. C. S. Francis, Jr., and W. Wade. 2,353,717; July 18.
Truck refrigeration. E. W. Lager. 2,353,909; July 18.
Tube: *See*—
Space discharge tube. Vacuum tube.
Tubular insert. J. Rosan. 2,353,851; July 18.
Tuner for radio receivers, Push-button. H. R. Shaw. 2,354,148; July 18.
Tuning circuit for radio receivers, Band-spread. F. Caplin and C. E. Payne. 2,354,104; July 18.
Turbine, Combustion. J. L. Ray. 2,353,929; July 18.
Tuyére for blast furnaces and the like. A. H. Richardson. 2,353,849; July 18.
Typewriter controller. C. E. Wyrick. 2,354,082; July 18.
Typewriting machine. H. A. Avery and C. Walker. 2,353,803; July 18.
Typewriting machine. C. Walker. 2,353,860; July 18.
Unit guiding and latching device. E. A. Gubisch. 2,354,115; July 18.
Unit heaters, Control system for. W. M. Myler, Jr. 2,353,921; July 18.
Universal joint. S. G. Wingquist. 2,353,801; July 18.
Universal resistance capacitance filter. E. S. Purington. 2,354,141; July 18.
Vacuum tube. J. A. Hipple, Jr. 2,354,122; July 18.
Valve: *See*—
Electromagnetically operated valve. Fluid control valve.
Valve mechanism. C. F. Osgood. 2,353,751; July 18.
Valve mechanism. C. F. Osgood. 2,353,967; July 18.
Vane pump. W. R. Tucker and G. A. Waldie. 2,354,076; July 18.
Vapor-electric device. W. R. Taliaferro. 2,354,158; July 18.
Vehicle: *See*—
Moving floor vehicle.
Vehicle body. D. S. Eddins. 2,353,820; July 18.
Vehicle jack. P. Schwarz. 2,353,855; July 18.
Wagon and spring therefor, Wooden. K. A. Counts. 2,353,999; July 18.
Waste and grease trap. M. Cavicchioli. 2,353,993; July 18.
Welding. G. H. Phelps. 2,354,173; July 18.
Welding system. H. Klemperer. 2,353,733; July 18.
Wheel motor. J. F. Joy. 2,353,730; July 18.
Winding apparatus. C. M. Croft, A. W. Bergeron, and F. G. Dodge. 2,353,653; July 18.
Winding device for strand materials. W. V. Henry. 2,353,667; July 18.
Winding machine. S. T. Howard. 2,353,727; July 18.
Window construction. L. J. Plym. 2,354,054; July 18.
Wing and wheel retracting mechanism for airplanes. J. L. Hajek, Jr. 2,354,116; July 18.
Wiper, Edging stone. E. H. Teschner. 2,354,075; July 18.
Wire connector. C. G. Kingsley. 2,353,732; July 18.
Wrench: *See*—
Chain wrench.
Wrench. L. J. Jires. 2,353,901; July 18.
Wringer guard. H. J. Heetderks. 2,354,085; July 18.
X-ray apparatus. F. T. Powers. 2,353,969; July 18.
X-ray tube head, Cooled. E. R. Goldfield and E. B. Graves. 2,353,720; July 18.
Yarn and producing the same. B. L. Hathorne and R. W. Seem. 2,353,666; July 18.

CLASSIFICATION OF PATENTS

ISSUED JULY 18, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1944

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE HANSEN

No. 4,813. Decided March 6, 1944

[141 F.(2d) 508]

1. APPEAL—REASONS OF APPEAL.

Where appellant, in his reasons of appeal, did not specifically allege that the Board of Appeals erred in relying upon a reference published subsequently to the filing date of appellant's parent application *Held* that the reference would be considered for what it was worth.

2. SAME—TIME TO APPEAL.

Where the Board of Appeals affirmed the final rejection by the Primary Examiner on July 21, 1942, but on August 3, 1942, appellant filed a request for reconsideration, and then on September 4, 1942, prior to any action by the Board on his request for reconsideration, filed his notice of appeal to the Court of Customs and Patent Appeals *Held* that "appellant was not required to file his notice of appeal as early as September 4, 1942, in view of the amendment to rule 149 which took effect on September 1, 1941, • • • which provides that 'if a petition for rehearing or reconsideration is filed within 20 calendar days after said decision, the notice of appeal may be given and the reasons of appeal filed within 15 calendar days after action on the petition.'"

3. PATENTABILITY—HIGH-FREQUENCY APPARATUS AND METHOD.

Claims to a high-frequency apparatus and method for heating organic and inorganic material *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Herbert H. Thompson and *Mr. Paul B. Hunter* (*Mr. James E. Nolan* of counsel) for Hansen.

Mr. W. W. Cochran for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner finally rejecting as unpatentable over the prior art all of the claims, 1, 3, 4, and 5, of an application for a patent alleging "certain new and useful improvements in High Frequency Apparatus for Heating Organic Material." The application is a division of application Serial No. 92,787, filed July 27, 1936, upon which Patent No. 2,190,712 issued.

Claim 1 is a method claim, the other claims being for apparatus. Claims 1 and 3 are illustrative of the subject matter involved and read as follows:

1. A method of increasing temperature of conducting and non-conducting organic and inorganic matter which comprises placing such matter within a closed conducting resonant chamber, connecting an ultra high-frequency oscillation generator to said chamber, and energizing said chamber by said generator whereby ultra high-frequency oscillating fields may be set up therein passing through said matter, said fields being resonant within the chamber at a frequency characteristic of the latter.

3. In an apparatus of the character described, a substantially closed chamber having conducting walls and adapted to contain material to be raised in temperature, electro-static coupling means within said chamber comprising a plate capacity coupled to the wall of said chamber, an ultra high-frequency cavity oscillator oscillating at a natural frequency of said chamber, and means connecting the output of said cavity oscillator to the wall of said chamber and to said plate for setting up a standing electro-magnetic field resonant within said chamber at a natural frequency thereof.

The application relates to an electrical high-frequency apparatus and method for heating organic and inorganic material, and more specifically for administering diathermy treatments.

The objects of the claimed invention are set out in appellant's specification as follows:

The principal object of the present invention is to provide novel high frequency oscillator means adapted to set up a standing electromagnetic field in a suitable space or chamber wherein the material or body to be heated is contained, the resulting flow of high frequency currents through the material or body serving to effect the elevation of the temperature thereof.

Another object of the present invention is to provide novel high frequency apparatus for producing high temperatures in living as well as dead organisms.

In one of the drawings of the application an entirely closed cubical chamber is shown in which the person being treated is seated on a chair. The walls of the chamber are of metal connected with a high-frequency electrical oscillator. Within the chamber and a short distance below the top wall thereof is a plate to which the oscillator is also connected. The chamber is built in such shape and size that its frequency characteristic is resonant with the high-frequency oscillation field which is used, and when the apparatus is in operation the patient will be subjected to electrical oscillations of a desired frequency.

The references cited are: Carlson et al., 1,338,812, May 4, 1920; Schereschewsky, U. S. Public Health Service, Reprint No. 1110, G. P. O., Washington, D. C., 1926; Esau (Swedish), 75,279, September 13, 1932; Reiter, British Journal of Physical Medicine, December 1933, pages 119–121; Turner, 2,125,969, August 9, 1938; Hansen, 2,190,712, February 20, 1940; Westinghouse, Short Wave Endotherm, November 1938, pages 10–14.

The Carlson et al. patent relates to an apparatus for electrical diathermy treatments, and discloses means for producing and utilizing high-frequency currents. In one of the drawings of the patent an inductance coil is shown connected with a source of high-frequency oscillations. In operation the inductance coil is brought near the body of the patient in which high-frequency current is induced

"due to the eddy current effect produced by the magnetic field created around the inductance • • • by the sustained high frequency currents surging therein. The circuits are adjusted to resonance at a frequency substantially above that frequency which would be detected by the nervous system of the body."

The Schereschewsky reference is a paper reporting the result of studies of the effects upon laboratory animals of electrical oscillations of very high frequency generated by a vacuum-type oscillator. The publication describes the effect of such oscillations upon a mouse placed between two pieces of Celluloid held apart by posts and placed between the plates of a condenser. The pieces of Celluloid are referred to in the reference as a box of insulating material.

The Esau patent relates to a device for diathermy treatments by means of high-frequency fields. The device is used to produce ultra-short waves of less than 10 meters. It is stated in the patent that both an electric alternating field and a magnetic alternating field can be used simultaneously. One of the drawings of the patent depicts the body of a patient enclosed with a metal screening being subjected to the short wave field.

The Reiter reference is an article relating to the effect upon various tissues of the human body of the application of different electrical wave lengths and describes the investigations of workers in the field of electro-therapeutics. The use of wave lengths between 2.85 and 20 meters is disclosed.

The Turner patent relates to electrical oscillators, more particularly to an ultra high-frequency transmitter, used in the radio field, in which the oscillator is contained within a small shielded metal container.

The Westinghouse Short Wave Endotherm reference is taken from a manual of instructions for the operation of apparatus for applying electrical short wave oscillations to different parts of the body in diathermy treatment. The publication contains illustrations of various parts of the human body being treated. Those parts are shown to be placed between electrodes in some instances and in others the parts are surrounded by a coil.

The Hansen patent was issued on the parent application of which the instant application is a division. It relates to high-efficiency oscillating circuits for ultra high-frequency and is for a hollow body resonator oscillator per se.

The Examiner in his decision stated that the effect upon living organisms of a high-frequency electrical field had been well-known for years as shown by Carlson et al., Schereschewsky and Reiter, and that for the localization of effect in physical treatment the conductor could be arranged to surround the body to be treated as disclosed in the "Endotherm" reference. With respect to the appellant's allusion to the electrical fields as being "resonant" or "standing," the Examiner pointed out it was characteristic of an electrical conductor that the electric current in it will oscillate at the natural [resonance] frequency and thus exhibit what are called "standing waves" similar in energy flow aspect to the mechanical vibration characteristics of wires, plates and bells.

The Examiner held it had not been shown that appellant's device produced any new phenomenon or principle and that there was no reason to believe that organisms within its field would have a different effect from a "standing wave" than that of a series of progressing waves of the same frequency and amplitude. The Examiner stated that it was quite common to treat organisms by placing them in a field of standing waves for the reason that it was desirable to obtain maximum amplitude at the point of application in the work circuit. In this connection he pointed out that the mouse referred to in the Schereschewsky reference was subjected to treatment between plates of a circuit tuned to resonance, and in the Carlson et al. patent the secondary or load circuits were tuned to resonance and that therefore those circuits produced standing waves.

The Examiner stated he was unable to see that there was any invention in a method of treating an organism according to appellant's application, although he had apparently made an invention in an oscillator device covered by his patent heretofore referred to.

For the reasons hereinbefore set out the Examiner rejected claim 1 as unpatentable over the Carlson et al., Schereschewsky, Reiter and "Endotherm" references. The Examiner rejected claim 3 as unpatentable over the Esau patent in view of the patents to Hansen, Turner or Clavier, all of which he stated show hollow body resonator oscillators. The Clavier reference is not contained in the record and no reference is made thereto in the briefs before us. The reason for rejecting that claim was as the Examiner stated that the teaching of placing a subject within the field of a resonant body as in the Esau patent would, without the exercise of the inventive faculty, lead to the positioning of a subject in the field of a hollow body resonator for the same purposes.

Claims 4 and 5 were rejected as unpatentable over the Esau patent. In that patent the oscillator is indicated on a table placed in proximity to the patient and connected with electrodes placed opposite each other on either side of the part to be treated. The Examiner held that it was patentably immaterial whether the oscillator was located within or without the screening of the Esau patent for the reason that the difference was merely that of a short length of insulated and shielded wire passing through a wall. The Examiner stated that appellant had argued before him that the Esau patent does not disclose the screen member enclosing the subject to be resonant at the frequency supplied by the oscillator. He reasoned that even though that point were conceded it still would not establish patentability of claims 4 and 5 since

(1) the claims merely require that a standing wave field be set up within the container, a result that is accomplished by the plates within the container connected to the oscillator, and since (2) the resonance or off-resonance of the container does not involve a difference in action on, or reaction of, the subject under treatment.

The Examiner further pointed out that the only difference between claims 4 and 5 is that in claim 5 there is a coupling means of the magnetic type and comprising a loop linking the standing field within the container, stating that this is a standard coupling between circuits and no invention would be involved in selecting it in the claimed combination.

The Board of Appeals affirmed the decision of the Examiner stating that the cited prior art indicated, what had been recognized for a number of years, the effect of a high-frequency field upon animate beings. The Board then held that the "Endotherm" reference shows that greater effectiveness in the functioning of high-frequency fields is obtained by surrounding the subject being treated with conductors. The Board further stated:

Appellant proposes to place the subject in a hollow metallic body, the electric flow and wave energy appearing on the inner surface of the body, so that the walls of the body act as a shield. Both the Public Health [Schereschewsky] and the Endothermy publications show the subject partially surrounded with walls during treatment. To entirely surround the subject so as to produce a closed chamber apparently would not produce any result other than degree. We are convinced that the reasons given by the Examiner are sound and the rejection of all the claims should be affirmed.

The decision of the Board of Appeals was dated July 21, 1942. On August 3, 1942, appellant presented his request for reconsideration of the Board's decision, pointing out among other things that the "Endotherm" reference was improperly cited and relied on, since its publication date, November 1938, is subsequent to the filing date of appellant's parent application, July 27, 1936. On September 10, 1942, the Board dismissed appellant's request for reconsideration for the reason that it had not had an opportunity to consider it until after appellant had filed his notice of appeal to this court on September 4, 1942. The Board held that it had lost jurisdiction because of that appeal, citing *In re Allen, Jr.*, 28 C. C. P. A. (Patents) 792, 115 F.(2d) 936, 47 U. S. P. Q. 471, 526 O. G. 576.

[1] Appellant in his reasons of appeal did not specifically allege error against the reliance by the Board on the "Endotherm" reference because of its late date, and for this reason that reference must be considered here for what it is worth. *In re Davis et al.*, 29 C. C. P. A. (Patents) 723, 123 F.(2d) 651, 51 U. S. P. Q. 458, 536 O. G. 227.

[2] Appellant was not required to file his notice of appeal as early as September 4, 1942, in view of the amendment to rule 149 which took effect on September 1, 1941, published at 6 F. R. 3923 and 529 O. G. 509, which provides that

"If a petition for rehearing or reconsideration is filed within 20 calendar days after said decision, the notice of appeal may be given and the reasons of appeal filed within 15 calendar days after action on the petition."

[3] Appellant concedes that it is old as shown in the prior art of record to utilize high-frequency energy for diathermy treatment. We are unable to see, however, that any of the prior arts provides for a method of treatment whereby the fields in which the subject to be treated is placed are resonant within a closed chamber at a frequency characteristic of the chamber. None of the references discloses an apparatus providing for a closed or substantially closed resonant chamber.

The only reference in the cited art showing an enclosure which may surround a patient is the Esau patent. There the subject is placed within a circular metal screen which may be of homogeneous metal or a plurality of parallel wires, open at the top. The screening is not connected with the electrical circuit and the patient is treated by means of plates situated opposite each other covering the portion of the body to be treated. It is stated in the patent that instead of the electric alternating field just described the magnetic alternating field can be used. That magnetic alternating field, however, comprises the surrounding of the part to be treated with a coil not touching the part or the coil being in proximity to such part. It is obvious that such fields as have been described can be used simultaneously or separately. It is also stated in the patent that the reason for enclosing the body subjected to the short wave field with a metal screening is to avoid the loss of energy caused by sparking phenomenon at the electrodes, causing temperature increases in persons stationed near the patient of as much as 1° in an hour as the result of the displacement currents caused by the sparks. Therefore it is clear that the enclosure disclosed by the Esau patent is for a shield only and is intended to divert radiation so that it flows out of the ends of the wires of the shield, and likewise protects those who might be near the patient. The device of the Esau patent in our opinion does not anticipate the device defined by the claims, for the reason that instead of implying resonance in the shield the latter is not even part of the circuit. It appears to us that appellant's entire invention hinges on the maintenance of resonance within a chamber at its natural frequency characteristic, and we find nothing in the references which would make it obvious to one skilled in the art to construct the apparatus or use the method of appellant.

For the reasons heretofore stated the decision of the Board of Appeals is reversed.

Reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,676,140. (See 2,028,108.)

1,705,700. (See Re. 19,887.)

1,724,542, J. Zabel, Fur-brushing and ironing machine; 1,776.114, S. Friedman, Fur treating method and apparatus, D. C., S. D. N. Y., Doc. 18/500, *Reliable Machine Works, Inc.*, v. *Perfect Doll Moulds Co., Inc.* Order dismissing cause for lack of prosecution (notice June 17, 1944).

1,776,114. (See 1,724,542.)

1.933,099, H. Derman, Built up container; 2,009,482, same, Wardrobe, closet and the like; 2,070,924, same, Wardrobe, cabinet and the like; 2,172,956, same, Cabinet; 2,200,329, same, Double door closet; 2,206,767, same, Collapsible closet; 2,235,574, same, Top shelf portable closet; 2,236,870, same, Knockdown cabinet; 2,274,048, same, Container, cabinet, and the like; 2,274,533, same, Doorframe for collapsible closets; 2,274,534, same, Collapsible cabinet, D. C., S. D. N. Y., Doc. 17347, *H. Derman v. Stor-Aid, Inc., et al.* "Order on mandate reversing judgment of district court Dec. 16, 1943, which order dismisses complaint on merits and vacated judgment" Apr. 17, 1944.

1,955,569, H. I. Warden, Licensing of motor vehicles, D. C., E. D. Mo. (St. Louis), Doc. 438, *H. I. Warden v. City of St. Louis, Mo.* Claim 3 of patent held invalid, bill dismissed Apr. 20, 1943. Affirmed May 31, 1944.

1,979,103, E. G. Gaynor, Automatic control for refrigerators, etc., D. C., S. D. N. Y., Doc. 13/64, *E. G. Gaynor et al. v. Kadel, Van Kirk & Trencher et al.* Order dismissing cause for lack of prosecution (notice June 16, 1944).

2,011,484, H. W. Harman, Repairing castings; 2,142,896, same, Fastening; 2,198,167, same, Method for making repairs, filed June 19, 1944, D. C., S. D. Ohio, E. Div., Doc. 930, *H. W. Harman v. L. B. Scott.*

2,009,482. (See 1,933,099.)

2,018,796, J. E. Layton, Protective head gear for chickens; Des. 129,580, D. Eisen, Chicken guard; 2,154,105, H. Nadler, Mask for fowls, D. C., S. D. N. Y., Doc. 16/214, *J. E. Layton* v. *National Poultry Products Co.* Order dismissing cause for lack of prosecution (notice June 17, 1944).

2,028,108, H. Sklar, Wicket; 1,676,140, W. Frankel, Peephole for doors; 2,096,740, same, Wicket construction; Des. 106,684, same, Door face plate for wickets, D. C., S. D. N. Y., Doc. 10/195, *The Dooroscope Co., Inc.*, v. *W. Frankel.* Order dismissing cause for lack of prosecution (notice June 19, 1944).

2,070,924. (See 1,933,099.) 2,096,740. (See 2,028,108.)

2,140,155, J. W. Hale, Change speed device; 2,186,334, same, Change speed system, appeal filed June 14, 1944, C. C. A., 1st Cir., Doc. 4008, *J. W. Hale* v. *General Motors Corp.*

2,142,896. (See 2,011,484.) 2,154,105. (See 2,018,796.)

2,158,774, N. Grubelic, Paint dispensing machine, D. C., S. D. N. Y., Doc. 8/359, *N. Grubelic* v. *Kellermann Paint Co. et al.* Order dismissing cause for lack of prosecution (notice June 19, 1944).

2,162,096, L. Marmorek, Device for producing whipped cream, D. C., S. D. N. Y., Doc. 10/47, *Food Aeration, Inc.*, v. *Art Whip, Inc., et al.* Order dismissing cause for lack of prosecution (notice June 19, 1944).

2,169,809, J. C. Morrell, Treatment of gaseous paraffin hydrocarbons, filed June 16, 1944, D. C. Del., Doc. 424, *Shell Delevopment Co.* v. *Universal Oil Products Co.*

2,172,956. (See 1,933,099.) 2,186,334. (See 2,140,155.)

2,198,167. (See 2,011,484.) 2,200,329. (See 1,933,099.)

2,206,767. (See 1,933,099.) 2,235,574. (See 1,933,099.)

2,236,870. (See 1,933,099.)

2,237,630, J. J. Paterno, Protecting and sealing device for battery terminals; 2,264,188, same, Sealing battery terminal D. C. Mass., Doc. 1749, *J. J. Paterno* v. *Surrette Storage Battery Co., Inc.* Judgment for defendant dismissing action May 1, 1944.

2,264,188. (See 2,237,630.) 2,274,048. (See 1,933,099.)

2,274,533. (See 1,933,099.) 2,274,534. (See 1,933,099.)

2,305,890, J. H. Moore, Composite picture, D. C., S. D. N. Y., Doc. 20/174, *J. H. Moore, Inc.*, v. *Irene Blake Cosmetics, Inc., et al.* Consent judgment granting injunction (notice June 12, 1944).

2,320,327. (See Re. 22,397.)

2,343,985, J. M. Lamoureux, Air separator, filed June 12, 1944, D. C., E. D. Wash. (Yakima), Doc. 174, *Yakima Chief Ranches, Inc.*, v. *A. Brulotte.*

Re. 19,887, O. S. Jennings, Panel circuit breaker; 1,705,700, B. O. Austin, Control apparatus, C. C. A., 6th Cir., Doc. 9669, *Westinghouse Electric & Mfg. Co.* v. *The Powerlite Switchboard Co.* Decree affirmed June 1, 1944.

Re. 22,397 (of 2,320,327), J. F. Meduna, Application of spray metal to metal surfaces, filed June 9, 1944, D. C., S. D. N. Y., Doc. 26/150, *Metallizing Engineering Co., Inc.*, v. *Metallizing Co. of America et al.*

Des. 106,684. (See 2,028,108.)

Des. 117,773, M. M. Levine, Dress, D. C., S. D. N. Y., Doc. 16/19, *Mike Levine, Inc.*, v. *Blue Gem Dresses, Inc., et al.* Order dismissing cause for lack of prosecution (notice June 19, 1944).

Des. 122,243, S. Zahn, Dress, D. C., S. D. N. Y., Doc. 10/461, *International Dress Co., Inc.*, v. *Victoria Dress Co., Inc.* Order dismissing cause for lack of prosecution (notice June 19, 1944).

Des. 128,893, N. Shapiro, Dress, D. C., S. D. N. Y., Doc. 16/20, *N. Shapiro* v. *Penelope Frocks, Inc.* Order dismissing cause for lack of prosecution (notice June 16, 1944).

Des. 129,580. (See 2,018,796.)

Des. 133,241, M. McCoy, Dress, D. C., S. D. N. Y., Doc. 19/399, *Carlye Dress Corp.* v. *Sam Edelman, Inc.* Order dismissing cause for lack of prosecution (notice June 19, 1944).

Des. 133,244, M. McCoy, Dress, D. C., S. D. N. Y., Doc. 19/466, *Carlye Dress Corp.* v. *Sam Edelman, Inc.* Order dismissing cause for lack of prosecution (notice June 17, 1944).

T. M. 275,178, T. M. 275,179, R. M. Koser, Chewing tobacco, filed June 13, 1944, D. C., N. D. Pa. (Scranton), Doc. 1404, *R. M. Koser* v. *S. Blankenhorn et al.*

T. M. 275,179. (See T. M. 275,178.)

Changes in Classification

Order No. 3,823, June 19, 1944, directs:

The following changes in the classification of inventions are hereby directed to take place immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *class 29, Metal Working* (Divisions 13, 14, 29):

84	**Assembling**
85	Axle, pin, and collar presses
86	Fluid operated
86.1	Pin inserters and removers
86.2	Pliers
86.3	Valve appliers and removers
86.4	Piston-ring inserters and removers
87	Spoked wheels
87.1	Spring appliers and removers
88	Staking watches and clocks
88.1	Pliers
88.2	Tube appliers and removers
89	**Work holders**
	Cutters
	Inserted blade
99	Lateral offset
100	Vertical offset

CHANGE SUBCLASS TITLES

In *class 10, Bolt, Nail, Nut, Rivet, and Screw Making* (Division 57), subclass 155 should read:

155	**Bolt with nut and/or washer assembling or disassembling**

In *class 29, Metal Working* (Divisions 13, 14, 29), subclasses 34, 148, and 156.4 should read as follows:

	Combined machines
34	Forging and bending, cutting or punching
148	**Blanks, and processes of manufacture, assembly and disassembly**
156.4	Fluid motors and pumps

ESTABLISH SUBCLASSES

In *class 29, Metal Working* (Divisions 13, 14, 29):

	Cutters
	Inserted blade
97.5	Resilient support (Division 13)
200	**Assembling and disassembling apparatus** (Division 29)
201	**Roller and ball bearings**
202	Radiators and heat exchangers
203	Electrical devices
204	**Batteries**
205	Motors and generators
206	**Prong plug** type connectors
207	Travelers on rings, or rings on bobbins
208	Automatic machines
209	Doll parts
210	Watch and clock crystals
211	With magazine supply
212	Hand manipulable tool
213	Valve applying and removing
214	Engine valve unit pullers or appliers
215	Engine valve spring compressors, only
216	Plural spring engagement
217	Screw operated
218	Parallel or tong type, side entrance
219	Lever operated
220	Single jaw or valve engagement
221	Plier type
222	Piston ring inserters and removers
223	Plier type operation
224	With ring encirclement
225	Spring appliers and removers
226	Transmission springs
227	Helical springs
228	Flat spiral springs (e. g., watch and clock type)
229	Circular springs
230	Leaf springs
231	Staking watches and clocks
232	Plier type
233	Lining to brake shoes
234	Tube and coextensive core
235	Applying and removing resilient articles (e. g., tubes, sleeves, etc.)
236	Well protectors to sucker rods
237	**Couplings to conduits**
238	Compressing parts together face to face
239	Spreading parts apart or separating them from face to face engagement
240	**By rotation**
241	By stringing
242	Tool handles and tools
243	Tool chucks and tools
244	Pullers or pushers, contained force multiplying operator
245	Hub caps
246	Battery terminals
247	Cotter pins
248	Plier type
249	Valve stem pins and keys
250	Machine keys
251	Arbor type pressers
252	Fluid operator
253	Wedge operator
254	Percussion or explosive operator
255	Tube, sleeve, or ferrule inserting or removing
256	Screw operated
257	C-frame
258	Central screw, work-engagers around screw
259	Work-engager arms along or parallel to screw
260	With arm connecting engaging means
261	Pivotal arms
262	Pivotal grippers on screw
263	Tubular or tube segment form work-engagers
264	Screw threaded work-engager
265	Movable grippers on screw
266	Plate or bar form work-engagers
267	Lever operator
268	Plier type
269	Piston ring group contractors and holders
270	Hand manipulable tools
271	Aligners or centerers
272	Tube with tube
273	Auto wheel with auto chassis
274	Clutch plates
275	Impact receiving tools
276	C-frame
277	Thread protectors (wheel axle type)
278	Hand grippers for direct push or pull
279	Centrifugal separators
280	Tube sleeve or ferrule applying and removing
281	Thread-tapping grip
282	Tube, sleeve or ferrule
283	Work grippers, anvils and elements
284	**Work holders** (Division 29)
285	Supported by work (e. g., gauge holders and hangers)
286	Work pieces positioned in related arrangement
287	Positioned coaxially
288	Stands
289	Motor or engine
290	Radiator

In *class 157, Wheelwright-Machines* (Division 29):

1.5	**For metallic spoked wheels**

CHANGES IN "CLASSES ARRANGED BY EXAMINING DIVISIONS"

Under Divisions 13 and 29, in the reference to "29, Metal Working", change "84–89" to *200–290*.

MISCELLANEOUS CHANGES

In *class 29, Metal Working* (Divisions 13, 14, 29), subclass "102 Profiled circular blade" should appear immediately following subclass 105 and coordinate with subclass 103.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished Class	Abolished Subclass	Disposition Class	Disposition Subclass
29	84 assembling milk cans and covers	226	80+
29	84 assembling bolts and washers	10	155
29	87	157	1.5+
29	84+ processes	29	148+
29	84+ apparatus	29	200+
29	89	29	284+
29	99	29	96+
29	100	29	96+

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established Class	Established Subclass	Sources Class	Sources Subclass
29	97.5	29	96+
29	200+	29	84+
29	284+	29	89
157	1.5	29	84
157	1.5	157	1

IN THE DEFINITIONS:

10, Bolt, Nail, Nut, Rivet, and Screw Making (Division 57)

in subclass 155, cancel the definition and substitute:

155. Machines for either or both (1) screwing together finished bolts and nuts, (2) placing washers on bolts, or (3) the reverse operation, i. e., disassembling. They are frequently automatic, the separate articles being fed from hoppers to the assembling mechanism.

Search Class—
29—METAL WORKING, subclasses 200+ and see the notes thereto for assembling in general.

29, Metal Working (Divisions 13, 14, 29)

in the main class definition, under paragraph II, cancel "84—Assembling", "89—Work holders", and "155.41—Wire or filaments", and substitute:

148+—Blanks and processes of manufacture, assembly and disassembly
200+—Assembling and disassembling apparatus
284+—Work holders.;

in subclass 2, add:

Search Class—
226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 39.6, for battery grid paste applying.;

in subclass 25.10, under "Search This Class, Subclass", change "80" to *284+*;

in subclass 25.13, under "Search This Class, Subclass", cancel the reference to subclass 84, and in the reference to subclass 148, after "processes", first occurrence, insert *of assembling and disassembling the parts of articles regardless of the material of which they are made where no other class provides for the claimed subject matter, and also for processes*;

in subclass 25.19, under "Search This Class, Subclass", change "84" to *200* and "89" to *284+*;

in subclass 25.41, in note (5), change "89" to *284+*;

and under "Search This Class, Subclass", change "89" to *284+*;

abolish the definitions of subclasses 84 through 88.2, 89, 99 and 100;

establish the following subclass definition:

97.5. Inserted blade cutters under subclass 96 which include means accommodating or facilitating elastic deflection of the cutting edge relative to that portion of the cutter adapted to be supported in the tool rest or tool holder of the machine.

Search Class—
207—ROD JOINTS OR COUPLINGS, subclasses 85+ and 92+, for rod joints having resilient characteristics.;

in subclass 148, cancel the definition and note, and substitute:

148. This is the generic place for processes of manufacture (including assembly and/or disassembly) regardless of the materials operated upon or employed in the product made, and regardless of the number of operations involved in the process, and this is also the generic place for blanks, i. e., incomplete products of manufacture requiring further processing to convert them into final form.

(1) Note.—Many of the preceding subclasses include processes in addition to apparatus, see particularly subclasses indented under "Special work".

(2) Note.—There are many manufacturing classes. Processes as above defined, whether comprising a single or a plurality of operations, are in class 29, subclass 148+, only when no other class provides for the same. For the most part, this class takes combined processes, where the several steps or operations are separately provided for in different classes, none of which provide for the combination.

Search this class, subclass—
1.1 through 25—see note (1).
25.10+, 25.41+—for processes of manufacture, assembly and disassembly of electric lamps, space discharge devices and condensers.
76+—for processes of filing.
81—for processes of removing and preventing scale.
90+—for processes of burnishing.
200+—for miscellaneous assembling and disassembling apparatus.;

in subclass 148.4, preceding note (1), add:

Search this class, subclass—
149.5—for other processes of making bearings.
201—for roller and ball bearing assembling apparatus.;

in subclass 149.5, before "Search Class", insert:

Search this class, subclass—
148.4—for processes of making balls, rolls and cages.
201—for ball and roller bearing assembling apparatus.;

in subclass 152, add:

Search this class, subclass—
233—for apparatus for applying linings to brakes.;

in subclass 156.4, in the definition, after "motors" insert: , *gas and liquid pumps*, ;

in subclass 159.02, number the existing note (*1*) and add:

Search Class—
22—METAL FOUNDING, see note (1).
78—METAL FORGING AND WELDING, subclass 16, for apparatus for securing wheel in hub or felly, by upsetting spoke or compressing wheel or felly.
157—WHEELWRIGHT-MACHINES, subclass 1.5, for apparatus for assembling or trueing metallic spoked wheels.
295—RAILWAY WHEELS AND AXLES, subclasses 25–28, see note (1).;

establish the following subclass definitions:

200. This is the generic place for apparatus for assembling and disassembling articles made of plural parts, regardless of the materials of which the article is made. The assembling apparatus includes such means as is necessary to secure together preformed parts.

(1) Note.—Substantially all manufacturing necessitates assembling, and combinations which include one or more manufacturing operations in addition to assembling are classified either in preceding subclasses of this class or in other appropriate classes on the basis of the manufacturing operation in addition to assembling.

(2) Note.—Apparatus for assembling or disassembling, per se, is both in preceding subclasses of this class and in many other classes, see the following notes. Classification is in this class only when no other class provides for the type of apparatus claimed.

(3) Note.—Assembling of the following articles and joining by the following operations or means, are in the indicated classes:

(*a*) *Textiles, paper, fabrics, making*—
19, TEXTILES, FIBER PREPARATION
26, TEXTILES, CLOTH FINISHING
28, TEXTILES
57, TEXTILES, SPINNING, TWISTING AND TWINING
66, TEXTILES, KNITTING
87, TEXTILES, BRAIDING, NETTING, AND LACE MAKING
92, PAPER MAKING AND FIBER LIBERATION
139, TEXTILES, WEAVING
140, WIREWORKING, subclasses 3+, for making metal fabrics involving operations other than those of the textile classes.
154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES

(*b*) *Applying or removing coatings* (see (*c*), (*d*), (*f*), and (*j*) below)—
75, METALLURGY, for removing metal coatings
91, COATING, for apparatus
117, COATING; PROCESSES AND MISCELLANEOUS PRODUCTS
148, METAL TREATMENT, subclasses 6+

(*c*) *By adhesively joining* (see (*b*) above and (*d*) below)—
154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES
216, LABEL PASTING AND PAPER HANGING

(*d*) *By electrolytic joining*—
204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY, particularly subclass 16 for processes and appropriate apparatus subclasses for electrolytic assembling, uniting and repairing

(*e*) *By nailing and stapling*—
1, NAILING AND STAPLING

(*f*) *By plastic material shaping*—
18, PLASTICS
22, METAL FOUNDING
49, GLASS

(*g*) *By portable receptacle filling and/or closing*—
86, AMMUNITION AND EXPLOSIVE-CHARGE MAKING
93, PAPER MANUFACTURES, subclasses 2 through 7
100, PRESSES, for baling, bundling and packing presses
113, SHEET-METAL WARE-MAKING, subclasses 7+, for can making machines
163, NEEDLE AND PIN MAKING, subclass 8, for packaging
226, FILLING AND CLOSING PORTABLE RECEPTACLES, subclasses 80+ being the generic place for receptacle closing even though the receptacle is empty.

(*h*) *By riveting*—
78, METAL FORGING AND WELDING, subclasses 46+
218, BUTTON, EYELET, AND RIVET SETTING, for riveting with hollow rivets
219, ELECTRIC HEATING, subclass 2, for electric riveting

(*i*) *By sewing*—
112, SEWING MACHINES

(*j*) *By soldering or welding*—
78, METAL FORGING AND WELDING, subclasses 82+, for forge welding
113, SHEET-METAL WARE-MAKING, subclasses 59+, the generic place for soldering and welding
219, ELECTRIC HEATING, subclasses 4+, for electric soldering and welding.

(4) Note.—Where both process and apparatus for its practice are claimed, the process governs classification, class 29, subclasses 200+ having no processes, the miscellaneous assembling and disassembling processes being in preceding subclasses 148+. Attention is particularly called to the preceding subclasses noted below.

Search this class, subclass—
1.1+—for arms making.
3—for buckle assembling.
11—for hinge assembling.
23—for toothed cylinder making.
23.5—for impeller making.
25—for umbrella frame assembling.
25.10+—for processes and apparatus for the manufacture (including assembling, per se) of electric lamp and discharge devices, and see the notes thereto for related art.
25.41+—for processes and apparatus for manufacturing (including assembling, per se) of electric condensers and see the notes thereto for related art.
33+—for combined machines for machines which perform both an assembling and some other manufacturing operation.
148+—see note (4) above.

Search Class—
1—NAILING AND STAPLING, note 3*e* above.
7—COMPOUND TOOLS, for miscellaneous combinations of two or more tools usable in assembling and disassembling.
9—BOATS AND BUOYS, subclass 6.5, for frames and formers for boat hulls.
10—BOLT, NAIL, NUT, RIVET, AND SCREW MAKING, for the manufacture of such devices, subclass 155 having assembling apparatus and processes, per se, for assembling bolts with either or both washers and nuts, and subclasses 162+, having distributors and feeders for bolts, nails, nuts, rivets, screws and washers.
11—BOOKS, MAKING, for book assembling.
12—BOOT AND SHOE MAKING, for boot and shoe assembling.
18—PLASTICS, note 3*f* above.
19—TEXTILES, FIBER PREPARATION, note 3*a* above.
22—METAL FOUNDING, note 3*f* above.
26—TEXTILES, CLOTH FINISHING, note 3*a* above.
28—TEXTILES, note 3*a* above.
33—GEOMETRICAL INSTRUMENTS, particularly subclasses 180+, for collocating gauges.
35—EDUCATION, subclasses 10+, for apparatus teaching of mechanics and subclass 52, for demonstrating manufacturing stages.

41—ORNAMENTATION, subclasses 1+, for apparatus and other subclasses for ornamental processes and products, particularly subclasses 2+ and 13+, for imitation flower making and subclasses 1, 7, and 34+ for applying solid objects to surfaces of various configurations for ornamenting the same.
45—FURNITURE, subclass 138, for upholstery making.
49—GLASS, note 3*f* above.
57—TEXTILES, SPINNING, TWISTING AND TWINING, note 3*a* above.
59—CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 7, for the making and assembling or disassembling of sprocket chains, including apparatus for removing or inserting pins or rivets.
66—TEXTILES, KNITTING, note 3*a* above.
75—METALLURGY, note 3*b* above.
78—METAL FORGING AND WELDING (also note 3*h*, *j*), subclass 16, for upsetting the spoke or compressing the hub or felly to secure wheel spokes.
79—BUTTON MAKING, for assembling button parts.
81—TOOLS.
86—AMMUNITION AND EXPLOSIVE-CHARGE MAKING (also note 3*g* above), for the making, including assembling and disassembling, of ammunition and explosive charges.
87—TEXTILES, BRAIDING, NETTING, AND LACE MAKING, note 3*a* above.
91—COATING, note 3*b* above.
92—PAPER MAKING AND FIBER LIBERATION, note 3*a* above.
93—PAPER MANUFACTURES (also note 3*g* above), for assembling the parts thereof, and particularly subclasses:
36.01, inserting linings in boxes,
36.7, applying bails to boxes,
55.1, applying end closures,
88, attaching fastener pins or wires to tags,
91, attaching strings to tags,
92, applying reinforcing washers to openings in tags.
100—PRESSES, note 3*g* above.
112—SEWING MACHINES, note 3*i* above.
113—SHEET-METAL WARE-MAKING, note 3*g*, *j* above.
114—SHIPS, subclasses 65+, for ship building.
117—COATING: PROCESSES AND MISCELLANEOUS PRODUCTS, note 3*b* above.
120—STATIONERY, subclass 97, for pen extractors.
131—TOBACCO, for cigar and cigarette manufacture.
136—BATTERIES, subclasses 174 and 175, for battery repair and assembling.
139—TEXTILES, WEAVING, note 3*a* above.
140—WIREWORKING, note 3*a* above.
144—WOODWORKING, particularly subclasses:
25, box hooping,
31, pin setting,
32, screw driving.
147—COOPERING, for wooden barrel, box, basket, or crate assembling.
148—METAL TREATMENT, note 3*b*.
153—METAL BENDING, and see the note to the main class definition of class 153 for the line.
154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, notes 3*a*, *c*.
157—WHEELWRIGHT MACHINES, for processes and apparatus for assembling wheels.
163—NEEDLE AND PIN MAKING, note 3*g* above.
199—TYPE CASTING, the various "assembling" subclasses.
204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, note 3*d*, above.
216—LABEL PASTING AND PAPER HANGING, note 3*c* above.
218—BUTTON, EYELET, AND RIVET SETTING, note 3*h* above.
219—ELECTRIC HEATING, note 3*h*, *j* above.
222—DISPENSING, for means for discharging the contents of receptacles and material holders and see the notes to the definition for the location of art of this type.
223—APPAREL APPARATUS, particularly subclass 48, for bead stringing and subclass 49, for assembling garment supporters.
226—FILLING AND CLOSING PORTABLE RECEPTACLES, note 3*g* above.
242—WINDING AND REELING.
254—PUSHING AND PULLING IMPLEMENTS.
270—SHEET-MATERIAL ASSOCIATING OR FOLDING.
294—HANDLING—HAND AND HOIST-LINE IMPLEMENTS, subclasses 86+, for hand and hoist-line grapples.

201. Apparatus under subclass 200 dealing with assembly, disassembly or securing of the various parts of roller or ball bearings.

(1) Note.—The majority of the patents place balls or rollers in the retainers or race ways of the bearings. Some patents assemble race ways with ball or roller units, others apply closures, race ways or collars to bearing units, etc.

Search this class, subclass—
148.4, 149.5—for processes.
208—for other automatic machines.
211+—for other apparatus having a magazine supply.

Search Class—
308—MACHINE ELEMENTS—BEARINGS AND GUIDES, particularly subclasses 173+, for ball and roller bearing structures.

202. Apparatus under subclass 200 dealing with the assembly, disassembly, or securing of parts to form radiators or other heat exchangers.

(1) Note.—This subclass includes, but is not limited to:
(*a*) Apparatus for inserting a tube or tubes in the holes of fins.
(*b*) Apparatus for compressing radiator sections together.
(*c*) Apparatus for removing heat exchangers from assembly nests.

Search this class, subclass—
33+—for combined machines.
157+—for processes.
208—for other automatic machines.
211+—for other magazine combinations.
238—for other devices for compressing work parts in face to face relation.
244+—particularly subclasses 258+, for devices for merely exerting a push or a pull.
284+—particularly subclasses 286 and 290, for work holders, per se.

Search Class—
153—METAL BENDING, subclasses 79–82, for pipe expanders and flangers.
257—HEAT EXCHANGE, for structure of radiators and other heat exchangers.

203. Apparatus under subclass 200 which assemble, disassemble, or secure electrical devices or their associated parts.

(1) Note.—Included are patents for spacing spacer discs on cables.

Search this class, subclass—
25.10+—for electric lamp and discharge device making processes and apparatus, particularly subclasses 25.19+, for assembly apparatus.
25.41+—for electric condenser making apparatus.
155.5+—for processes.
207—for related apparatus for placing travelers on rings.
208—for other automatic machines.
211+—for other magazine combinations.
241—for other stringing apparatus.

Search Class—
154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclasses 2.21+, for miscellaneous electric conductor making or jointing, and subclass 2.5 for electric insulation making.
223—APPAREL APPARATUS, subclasses 48 for bead stringing and 102+, for needles.

204. Apparatus under subclass 203 dealing with batteries (e. g., storage batteries, and dry cells).

Search this class, subclass—
2—for battery grid making processes and apparatus.
246—for battery terminal pullers.

Search Class—
136—BATTERIES, for battery structure, subclass 174, for battery repair processes and apparatus and subclass 175, for assembly processes.
226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 39.6, for battery grid pasting.
294—HANDLING—HAND AND HOIST-LINE IMPLEMENTS, subclasses 86+, for hand and hoist-line grapples usable for transporting batteries.

205. Apparatus under subclass 203 dealing with electric motors and generators and the parts thereof.

(1) Note.—This subclass includes, for example,
(*a*) Apparatus for collecting and assembling commutator segments and commutators.
(*b*) Apparatus for assembling the various parts of armatures, including apparatus for inserting coils into the slots of commutators, apparatus for inserting insulation and insulation plugs into said slots, as well as the staking of the coil leads in the commutator slots. Paper manufacture, in the manufacture of plugs in combination with assembly of this subclass is included.

Search this class, subclass—
33+—for combined machines.
155.53, 155.54—for processes.

Search Class—
93—PAPER MANUFACTURES, particularly subclass 1 for machines for making coil slot plugs.
153—METAL BENDING, particularly subclasses 6, 13, for apparatus for bending hair pin coils.

171—ELECTRICITY—GENERATION, subclasses indented under "Magneto-electric" for structure.
172—ELECTRICITY—MOTIVE POWER, subclasses 36+, for structure.
242—WINDING AND REELING, particularly subclasses 1, 5, and 8, for armature winding.
270—SHEET-MATERIAL ASSOCIATING OR FOLDING, particularly subclasses 86+, for longitudinally folding sheet material.

206. Apparatus under subclass 203 dealing with electric plug connectors of the prong type.

(1) Note.—Many of the patents in this subclass, although it is not limited thereto, comprise apparatus for pulling or inserting the contact prongs in the apertures of resilient plugs.

Search this class, subclass—
155.5—for methods.

Search Class—
173—ELECTRICITY—CONNECTORS, subclass 361, for prong plug structures.

207. Apparatus under subclass 200 for either applying travelers to rings of spinning machines, or applying rings to bobbins.

Search this class, subclass—
203—for applying spacer discs to electric cables.
241—for assembling by stringing in general.

208. Apparatus under subclass 200 which require no manual operation other than placing the work parts in or removing from the machine, i. e., the apparatus performs the operations of assembly or disassembly without manual operations on the work.

Search this class, subclass—
86+—for stock or blank feeders for combined machines.
201—for automatic roller or ball bearing assembling apparatus.
202—for automatic apparatus for assembling heat exchangers.
203+—for automatic apparatus for assembling electrical apparatus.

Search Class—
10—BOLT, NAIL, NUT, RIVET, AND SCREW MAKING, subclass 155, for automatic machines for assembling nuts and/or washers on bolts.

209. Apparatus under subclass 200, for assembling, disassembling, or securing the parts of toy dolls.

(1) Note.—This subclass includes, for example, the placing and securing of doll eye and doll tongue sets on doll heads.

Search Class—
1—NAILING AND STAPLING, particularly subclass 1, for apparatus for driving nails into doll sets.
46—AMUSEMENT DEVICES, TOYS, particularly subclasses 162+, for structure of dolls.

210. Apparatus under subclass 200, for assembling, and securing or disassembling the crystals of watches or clocks.

(1) Note.—The patents in this subclass, for the most part, distort the crystal to decrease its perimeter to enable it to be inserted into its bezel.

Search Class—
81—TOOLS, subclasses 3.5+, for tools for operating upon and assembling spectacle frames and lenses and subclasses 6+, for watchmakers' tools.

211. Apparatus under subclass 200 having a magazine for the work from which the work is fed to be operated upon by the apparatus.

Search this class, subclass—
60—for magazine feeders for combined machines.
201—for machines having roller or ball magazine supply.
202—for machines having heat exchanger unit or plate magazine supply.
203+—for machines having electrical parts magazine supply.
207—for machines with ring magazine supply.
208—for automatic machines with magazine supply.

Search Class—
222—DISPENSING, and see the notes to section 5 (II) of the main class definition, for a collection of notes on magazine type feeders.

212. Apparatus under subclass 211 in which the magazine is associated with a hand manipulable tool.

213. Apparatus under subclass 200 for the assembling and securing or disassembling of various types of valves or valve parts.

(1) Note.—This and indented subclasses include, for example:
(a) the removal or placement of engine valves or engine valve spring and guide units,
(b) the removal or placement of water main or other main valves, including pressure housings for facilitating this operation under the pressure of the main, and the insertion and removal of valve plugs to seal the main while assembly operations are being carried on. For similar pressure housing usable in boring or drilling mains, see class 77, BORING AND DRILLING,
(c) the manipulation of engine valve rocker arms,
(d) supports for supporting valves in lifted position with springs compressed,
(e) apparatus for holding valve springs in compressed condition,
(f) apparatus for compressing engine valve springs while on or off an engine.

Search this class, subclass—
156.7 and 157.1—for processes.
225+—for spring appliers and removers for other than valve springs.
249—for valve stem key or pin inserters or removers.

Search Class—
81—TOOLS, particularly subclasses 3 and 5.1, for related tools.
251—VALVES, and the places set forth in the notes to the definitions for valve structures.

214. Apparatus under subclass 213 for pulling engine valve units (consisting usually of valve, spring, and valve guide) from engine blocks.

Search this class, subclass—
215+—for apparatus for only compressing engine valve springs.

215. Apparatus under subclass 213 for compressing and/or holding compressed the valve springs of engines (usually internal combustion engines) for facilitating the extraction of valve keys or pins.

Search this class, subclass—
226—for apparatus for compressing helical transmission springs.
227—for apparatus for compressing other helical springs.
249—for apparatus for removing or inserting valve stem keys or pins.

216. Apparatus under subclass 215 in which the compressor has provision for operating on a plurality of springs for compressing the same simultaneously.

Search this class, subclass—
226—for apparatus for compressing plural helical transmission springs simultaneously.

217. Apparatus under subclass 215 in which the means for developing the spring compressing force involves a screw.

Search this class, subclass—
256+—for other screw operated devices.

218. Apparatus under subclass 217 in which the compressor includes spaced parallel or toag type bars each having coplanar jaws at one end for engaging the spring from the side, the other ends of the bars being connected by a screw operated mechanism for moving the jaws and bars toward or away from each other in a compressing operation.

(1) Note.—The bars may be parallel, and maintained parallel by the mechanism, or may be substantially parallel but pivoted to the mechanism, which mechanism operates the bars around the pivot, in quasi tong type.

Search this class, subclass—
221—for lever operated plier type.

219. Apparatus under subclass 215 in which the compressor has provisions for operating on a single spring for compressing the same, the compressor having for its prime operating power a lever, or a lever operated linkage system.

Search this class, subclass—
222+—for lever operated piston ring inserters and removers.
246—for lever operated battery terminal pullers.
247+—for lever operated cotter pin pullers.
249—for lever operated valve stem pin or key pullers.
267+—for miscellaneous lever operated pushers or pullers.

220. Apparatus under subclass 219 in which the compressor has a single engagement with the valve spring or valve, i. e., a single jaw engages the spring or the valve and has reaction against other parts of the motor block, and not against the spring or valve.

Search this class, subclass—
219 and 221—for lever operated compressors having opposed jaws engaging spaced parts of the spring or the spring and valve.

221. Apparatus under subclass 219 in which the lever operated compressor is of the plier type of construction or operation, namely the jaws are caused to move toward or away from each other by squeezing in two relatively movable handles or levers.

Search this class, subclass—
216—for plier type plural spring compressors.
218—where the levers or handles are caused to move toward or away from each other by a screw.
223+—for plier type piston ring inserters or removers.
226—for plier type transmission spring compressors.
238—for plier type clock or watch stakers.
246—for plier type battery terminal pullers.
248—for plier type cotter pin pullers.
249—for plier type valve stem pin or key pullers.
268—for miscellaneous plier type devices.

Search Class—
81—TOOLS, subclasses 5.1, 43, 44+, for other plier type tools.

222. Apparatus under subclass 200 for inserting and removing piston rings usually for internal combustion engines or for facilitating such operations.

(1) Note.—This subclass includes, for example:
(a) piston ring compressors, for compressing piston rings around a piston.
(b) apparatus for expanding the rings for removal or application to a piston.
(c) guides through which a piston with rings is moved, the guide compressing the rings during such movement.

Search this class, subclass—
229—for circular spring appliers and removers.
269—for apparatus for compressing and holding groups of piston rings.

223. Apparatus under subclass 222 which are of the plier type or have plier type operation.

Search this class, subclass—
221—and see the notes thereto for other plier type devices.

224. Apparatus under subclass 223 provided with means for partly or completely encircling a piston ring.

225. Apparatus under subclass 200 for assembling and securing or disassembling springs.

Search this class, subclass—
208—for applying spring retainers in doll sets.
213+—particularly 215+, for apparatus dealing with valve (including engine valve) springs.
222+—for piston ring apparatus.

Search Class—
79—BUTTON MAKING, subclass 3, for inserting spring retainers in buttons.
81—TOOLS, subclass 7.5 for mainspring winders for watches and clocks.

226. Apparatus under subclass 225 dealing with transmission springs.

(1) Note.—A number of the patents in this subclass compress helical transmission springs, and include compressors engaging a plurality of springs at a time.

Search this class, subclass—
215+—for compressors for helical engine valve springs.

227. Apparatus under subclass 225 dealing with helical springs.

Search this class, subclass—
215+—for apparatus for compressing helical engine valve springs, holding such springs, and for otherwise dealing with engine valve springs.
226—for helical transmission spring compressors.

228. Apparatus under subclass 225 dealing with flat spiral springs, e. g., of the watch or clock type.

Search Class—
81—TOOLS, subclass 7.5 for tools for winding mainsprings.

229. Apparatus under subclass 225 dealing with circular springs, single convolution springs of general circular shape.

Search this class, subclass—
203—for applying split spacer discs to electrical conduits.
207—for applying split rings to traveler rings or bobbins.
222+—for piston ring inserters and removers.
249—for applying keys of split ring form to valve stems.

230. Apparatus under subclass 225 dealing with leaf springs, single or plural.

(1) Note.—Included are devices for flexing vehicle leaf springs to facilitate their attachment to the vehicle.

Search Class—
254—PUSHING AND PULLING IMPLEMENTS, appropriate subclass, for jacks which elevate vehicle chassis relative to their running gear and thereby flex the vehicle springs.

231. Apparatus under subclass 200 for removing arbors from watch pinions, inserting arbors into watch pinions, or for inserting the leaves of lantern pinions.

Search this class, subclass—
177+—for processes.
244+—for pushing and pulling assembling devices in general.

Search Class—
81—TOOLS, subclasses 6+, for other watchmakers' tools.

232. Apparatus under subclass 231 of the plier or pincer type.

Search this class, subclass—
221—and see the notes thereto for other plier type devices.

233. Apparatus under subclass 200 for stretching and/or holding lining on brake shoes for facilitating the securement of the lining to the shoes, and the application of the fasteners that secure the lining to the shoes.

Search this class, subclass—
152.1+—for processes.

234. Apparatus under subclass 200 for applying to or removing from tubes, a core that in assembled position is substantially coextensive with the tube. The core may be a tube or of any other character.

Search this class, subclass—
235+—for applying and removing resilient elements, including applying non-coextensive resilient elements to the interior of tubes, and resilient tubes or sleeves to longer objects.
237—for couplings to conduits.

Search Class—
64—MACHINE ELEMENTS, SHAFTING AND FLEXIBLE SHAFT COUPLINGS, subclass 2 for flexible rotary shafting.
74—MACHINE ELEMENTS AND MECHANISMS, subclasses 501+ for flexible transmitters.
138—PIPE AND TUBULAR CONDUITS for structure of lined tubes.
154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclasses 5+ for hose making.

235. Apparatus under subclass 200 for assembling and/or securing or disassembling resilient articles, including applying or removing resilient tubes, sleeves, etc., to or from other things, apparatus for bending resilient metal articles within their elastic limit for facilitating assembly or disassembly; and apparatus for applying teat cups to rings.

Search this class, subclass—
207—for applying rings to traveler rings or bobbins.
209—for applying spring retainers to doll sets.
210—for applying watch crystals.
215+—for engine valve spring compressors.
222+—for piston ring inserters or removers.
225+—for spring appliers or removers.
269—for compressing and holding groups of piston rings.

Search Class—
12—BOOTS AND SHOE MAKING, subclasses 109, 110+ for shoe last stretchers.
31—DAIRY, subclasses 76+, 84+, for teat cup structure.
153—METAL BENDING, subclass 1, for bending metal rings or ferrules to secure the same to resilient tubes or sleeves.

236. Apparatus under subclass 235 for applying or removing well protectors to or from well sucker rods. The well protector is usually a resilient thick sleeve.

(1) Note.—This subclass includes apparatus for stretching the protector and placing the same on the drill pipe or rod apparatus for stretching the protector and placing it on a carrier, and the carrier that transports the expanded protector to a position on the drill pipe or rod.

Search Class—
308—MACHINE ELEMENTS—BEARINGS AND GUIDES, subclass 4, for well protector structures.

237. Apparatus under subclass 200 for assembling and securing or disassembling couplings and conduits.

(1) Note.—Included are machines for bringing the coupling and conduit together and in combination with a crimping operation.

Search Class—
153—METAL BENDING, subclass 1, for apparatus for crimping and bending coupling sleeves.

238. Apparatus under subclass 200 that compress article parts together face to face for facilitating assembling.

(1) Note.—This subclass includes, for example:
(a) apparatus for pressing overlapping apertured plates together to hold them while bolts or rivets are being applied.
(b) apparatus for compressing stacked plates together face to face.

Search this class, subclass—
244+—for apparatus for forcing interfitting parts into engagement, or for pulling them apart.
285—for clips or retainers for holding parts in predetermined relation, but not compressing the same.

Search Class—
85—DRIVEN, HEADED, AND SCREW-THREADED FASTENINGS, for bolts, screws, and rivets that may be used for temporary fastening purposes.

239. Apparatus under subclass 200 having (1) article engaging means moving in opposed directions for spreading parts apart or (2) for breaking a face to face engagement or for separating parts from a face to face engagement.

(1) Note.—The apparatus under (1) is distinguished from that under subclasses 244+ by a spreading operation as distinguished from a plain push or pull, and is characterized by spaced jaws or article engaging means that are motivated in opposite directions to create a spreading action.
(2) Note.—The apparatus under (2) is generally of the character that breaks the adhesion of an automobile head and block.

Search this class, subclass—
223—for plier type devices that engage the ends of a split piston ring to force the ends apart.
252—for separating parts by fluid expansion.

Search Class—
12—BOOT AND SHOE MAKING, subclasses 109, 110+, for shoe last stretching.
140—WIREWORKING, subclasses 133+, for wire tensioning devices.

240. Apparatus under subclass 200 in which the apparatus assembles or disassembles parts by rotating one or more parts with respect to another part or parts.

Search Class—
10—BOLT, NAIL, NUT, RIVET, AND SCREW MAKING, subclass 155, for assembling nuts on bolts by a screwing operation.
81—TOOLS, subclasses 3.10—3.49, for receptacle closure removing tools, and subclasses 53+, for wrench structures.
226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 88, for screw-closure applying.
255—EARTH BORING, subclass 35, for machine wrenches for screwing or unscrewing sections of well casings or well tools.

241. Apparatus under subclass 200 that assemble or disassemble by a stringing action, either by stringing parts on an attenuated or elongated means or by passing such means through a part or parts.

Search this class, subclass—
203—for apparatus for placing spacer discs on electrical conduits.
207—for apparatus for placing rings on traveler rings on bobbins.
279—for devices which have centrifugal separator discs strung thereon.

Search Class—
223—APPAREL APPARATUS, subclass 48, for bead stringing, subclass 105 for curtain rod threaders.

242. Apparatus under subclass 200 dealing with tool handles and tools.

(1) Note.—This subclass includes, for example:
(a) apparatus for assembling or disassembling the parts of a handle or the parts of a tool.
(b) apparatus for assembling tools with or disassembling tools from handles.
(c) apparatus for inserting pins for securing tool handles to tools.

Search this class, subclass—
148+—for processes.
243—for tool chucks and tools.
244+—for pushers and pullers in general.

Search Class—
76—METAL TOOLS AND IMPLEMENTS—MAKING.
144—WOODWORKING, subclasses 254—271, for wood bending.
306—TOOL-HANDLE FASTENINGS, for structure.

243. Apparatus under subclass 200 for assembling or disassembling tool chucks and tools.

Search this class, subclass—
148+—for processes.
242—for tool handles and chucks.
244+—for pushers and pullers in general.

Search Class—
279—CHUCKS OR SOCKETS, for structure.

244. Apparatus under subclass 200 having means for engaging two work parts to be assembled or disassembled, and means forming part of the apparatus for multiplying the force input to the apparatus (e. g., a lever, screw, force multiplying linkage, gearing, etc.) to develop the necessary assembling or disassembling force.

(1) Note.—Included in this and the indented subclasses, for example, are:
(a) the removing from and applying to shafts of collars, wheels, gears, bearing units, etc.
(b) the removal from or applying to various elements of non-resilient tubes, collars, sleeves, ferrules, etc.
(c) the removal from or applying to various elements of pins, caps, keys, etc.
(2) Note.—Except as stated in the following notes, apparatus from preceding subclasses indented under subclass 200 and having power multiplying means for exerting a pushing or pulling force for assembling or disassembling, has been cross-referenced in this or the indented subclasses.

Search this class, subclass—
201—for inserting or removing balls or rollers.
202—for inserting or removing tubes of heat exchangers.
204—for removing or inserting battery plates and battery plate units.
205—for inserting or removing armature shafts, coils, coil slot plugs, etc.
206—for inserting and removing contacts into or from plug connectors.
207—for pushing rings on traveler rings or bobbins.
209—for pushing the connecting parts of doll sets.
210—for pushing watch crystals in bezels.
213+—for pushing and pulling valves and valve springs.
222+—for pushing piston rings on pistons.
225+—for pushing or pulling springs.
231+—for staking watches and clocks.
233—for applying linings to brake shoes.
234—for pulling or pushing coextensive tubes or cores.
237—for assembling or disassembling couplings to conduits.
238—for compressing parts together face to face.
239—for separating parts from face to face engagement.
240—for assembling or disassembling by rotation.
242—for assembling or disassembling tool handles and tools.
243—for assembling or disassembling tool chucks and tools.
270+—for hand manipulable implements not having power multiplying means to develop the assembling or disassembling force.

Search Class—
1—NAILING AND STAPLING.
18—PLASTICS, for apparatus for removing cores from articles molded from plastic materials.
22—METAL FOUNDING, subclasses 94+, for casting ejectors including ingot strippers.
32—DENTISTRY, subclasses 61+, for extractors.
74—MACHINE ELEMENTS AND MECHANISMS, subclasses 469+, for lever and linkage systems.
136—BATTERIES, subclass 181, for battery plate pullers.
144—WOODWORKING, subclass 31 for driving dowel pins in holes.
154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, for removing cores from laminated articles.
157—WHEELWRIGHT MACHINES, subclasses 3+, for spoke setters, 11, for tire removers, and 12, for axle extractors.
242—WINDING AND REELING, subclass 81, for stripping coils from reels.
254—PUSHING AND PULLING IMPLEMENTS, for such implements in general.
294—HANDLING—HAND AND HOIST-LINE IMPLEMENTS, for handling implements of the hand and hoist line types.

245. Apparatus under subclass 244 for removing and inserting hub caps.

246. Apparatus under subclass 244 for removing or applying electric battery terminals from or to battery posts.

Search this class, subclass—
204—for other assembly operations in connection with batteries.

247. Apparatus under subclass 244, for inserting or extracting cotter pins.

Search this class, subclass—
249—for valve stem pin and key extractors and removers.

Search Class—
81—TOOLS, subclass 3, for cotter pin extracting tools that are designed to be directly pulled by the operator, i. e., not designed to have a force multiplying lever action, and not having any other force multiplying means for exerting the extracting force.

248. Apparatus under subclass 247 that are of the plier type.

Search this class, subclass—
5—for cotter pin making processes and apparatus.
221—and see the notes thereto for other plier type devices.

249. Apparatus under subclass 244 for inserting or extracting valve stem pins or keys.

Search this class, subclass—
213+—for valve applying and removing apparatus.
247+—for cotter pin applying and removing apparatus.
250—for machine key applying and removing apparatus.

Search Class—
81—TOOLS, subclass 3, for valve stem pin or key extracting tools that are designed to be directly pulled by the operator, i. e., not designed to have a force multiplying lever action and not having any other force multiplying means for exerting the extracting force.

250. Apparatus under subclass 244 for inserting or extracting machine keys.

Search this class, subclass—
249—for valve stem pin and key inserters or removers.

251. Apparatus under subclass 244 of the arbor press type.

Search Class—
100—PRESSES.

252. Apparatus under subclass 244 which is operated by fluid pressure.

Search this class, subclass—
254—for devices using explosives.

Search Class—
60—POWER PLANTS, particularly subclasses 51+ and 57+, for hydraulic and pneumatic types including pulsators and 97+, for multiple motor control.
100—PRESSES.
121—MOTORS—EXPANSIBLE CHAMBER TYPE, for such motors and their controls, per se.
251—VALVES.
254—PUSHING AND PULLING IMPLEMENTS, subclass 93, for fluid pressure type.
277—MULTIPLE VALVES.

253. Apparatus under subclass 244 which are operated by a wedge, to develop the assembling or disassembling force.

Search Class—
254—PUSHING AND PULLING IMPLEMENTS, subclass 42, for wedge type printers' quoins, and subclass 104, for miscellaneous wedge type.
279—CHUCKS OR SOCKETS, subclass 103, for friction grip type having wedge means to eject the tool.

254. Apparatus under subclass 244 which are operated by percussion, including the explosion of a contained medium.

Search this class, subclass—
252—for apparatus operated by sustained fluid pressure as distinguished from an explosion.
275—for impact receiving tools not having a contained impacting element.

Search Class—
121—MOTORS—EXPANSIBLE CHAMBER TYPE, subclasses 13+, for fluid actuated percussive tools.
123—INTERNAL—COMBUSTION ENGINES, subclass 7, for combustion actuated hammers.
254—PUSHING AND PULLING IMPLEMENTS, subclass 19, for related nail extractor type.

255. Apparatus under subclass 254 designed for inserting tubes, sleeves, rings, ferrules, or similar annular bodies into, or removing them from, openings designed to receive the same.

256. Apparatus under subclass 244 in which a screw is operated to develop the assembling or disassembling force.

Search this class, subclass—
217+—for screw operated engine valve spring compressors.
250—for machine key extractors and inserters.

257. Apparatus under subclass 256 which are screw operated and of the C-frame type, one leg of the C-frame reacting against one part of the article and a screw mounted in the other leg of the C-frame and reacting against another part of the article.

Search this class, subclass—
217+—for screw operated C-frame engine valve spring compressors.
231—for C-frame watch and clock staking devices.
251—for C-frame arbor presses.
252—for C-frame fluid operated presses.
276—for C-frame tools designed to receive an impact from a separate tool.

258. Apparatus under subclass 256 in which a central screw develops the assembling or disassembling force, whether motivated by turning the nut or screw, and which have work engagers on opposite sides of, adjacent to, and around the screw, the screw acting on one part of the article and the engagers acting on another part of the article.

(1) Note.—The side engagers may be arms on each side of the screw or constitute tubular or tube segment engagers encircling a major part of the screw, and the same may be secured to, or have reaction contact with, the article.

259. Apparatus under subclass 258 in which the side engagers comprise arms extending along or parallel with the screw, the arms having engagement with the screw nut or nut carrying frame at one end and engagement with an article part at the other end.

260. Apparatus under subclass 259 in which the ends of the arms are connected by a means that engages the article part.

261. Apparatus under subclass 259 in which the arms are connected for pivotal movement to the nut or nut carrying frame.

Search this class, subclass—
262—for pivotal grippers directly carried by the screw.

262. Apparatus under subclass 259 which have pivotal grippers mounted on the article engaging end of the screw.

Search this class, subclass—
261—for pivotal work engager arms mounted on the nut or nut frame.
265—for relatively movable work grippers mounted on the force developing screw and of tubular or tube segment form.

263. Apparatus under subclass 258 in which the work engagers are in the form of a tube or the segments of a tube.

(1) Note.—The tubular or tube segment work engager may be an integral portion of the nut.

Search this class, subclass—
260—for other tubular work engagers having article gripping detents.

264. Apparatus under subclass 263 in which the tubular or tube segment work engager has screw threads for engagement with a threaded work part for reaction therewith. The threaded work engaging part may be mounted on the nut, nut frame or force developing screw.

Search this class, subclass—
277—for threaded devices to be applied to screw threaded work to protect the same from impacts.
281—for thread tapping work grips.

265. Apparatus under subclass 263 in which the tubular or tube segment form work engagers have at least two relatively movable parts to grip the work and are mounted on the work engaging end of the force developing screw. These grippers may be pivotal, slidable, etc.

Search this class, subclass—
262—for pivotal grippers on force developing screws not of tubular or tube segment form.
264—for similar devices threaded to engage threaded work.

266. Apparatus under subclass 258 in which the work engagers are in the form of a plate or bar, the screw extending through the center of the plate or bar.

267. Apparatus under subclass 244 that are lever operated.

(1) Note.—Screws may be used for adjusting the parts of the apparatus or gripping the part to be moved but the force input and multiplication for applying the pushing or pulling force is through a system (not involving a screw) operated by a lever.

Search this class, subclass—
216, 219+—for lever operated engine valve spring compressors.
223+—for lever operated piston ring inserters and removers.
245—for lever operated hub cap removers.
246—for lever operated battery terminal removers.
247+—for lever operated cotter pin removers.
249—for lever operated valve stem pin and key removers.
256+—for miscellaneous devices having a screw for force multiplication to apply the assembling or disassembling force.

Search Class—
254—PUSHING AND PULLING IMPLEMENTS, particularly subclasses 120+, for single throw levers.

268. Apparatus under subclass 267 that are of the plier type.

Search this class, subclass—
221—and see the notes thereto for other plier type devices.

269. Apparatus under subclass 200 for contracting, and holding contracted, a group of piston rings (usually for the reception of a mandrel holder).

Search this class, subclass—
222+—for piston ring appliers and removers.

270. Apparatus under subclass 200 that are hand tools or portable tools that have no contained force multiplying operator to develop the assembling or disassembling force.

(1) Note.—There may be force multiplying means for the work engaging portions to firmly grip the work, but no such means for developing the assembling or disassembling force.

Search this class, subclass—
244+—for hand or portable tools with a contained power multiplying operator.

Search Class—
7—COMPOUND TOOLS.
42—FIREARMS, subclass 90.
81—TOOLS.

271. Apparatus under subclass 270 that aligns one part with another.

Search Class—
33—GEOMETRICAL INSTRUMENTS, subclass 84 for shaft aligning and leveling straight edge type instruments.

272. Apparatus under subclass 271, for aligning tubes with tubes.

273. Apparatus under subclass 271 for lifting and/or aligning automobile wheels with the automobile chassis.

(1) Note.—In this subclass, for example, are tools that pass through the wheel openings and engage the stud bolts or other connecting parts on the hub, brake drum or other support of the automobile chassis and guide the wheel to such supporting means.

274. Apparatus under subclass 271 for aligning clutch plates in the assembly of a clutch.

275. Apparatus under subclass 270 to be applied to the work and to receive an impact from some outside source and transmit the blow to the work.

(1) Note.—The source of the impact is usually a machinist's or carpenter's hammer.

Search this class, subclass—
254+—for impact or percussion apparatus having a contained source of impact producing means, as an explosive or a hammer.

Search Class—
30—CUTLERY, subclass 168, for cold chisels and see the notes to such subclass.

276. Apparatus under subclass 275 whose impact receiving tool is mounted in one leg of a C-frame, the other leg of the frame constituting an anvil for receiving the impact.

Search this class, subclass—
257—and see the notes thereto for other C-frame type devices.

277. Apparatus under subclass 275 in which the impact receiving tool transmits the impact to a threaded part and is constructed to protect the threads from injury.

(1) Note.—This subclass includes axle drivers that are threaded onto the end of an axle and are hit to break the connection between a wheel and axle, devices commonly called impact wheel removers.

Search this class, subclass—
264—for other screw threaded devices to engage screw threaded work.

Search Class—
16—MISCELLANEOUS HARDWARE, subclasses 2+, for protective liners and subclasses 108+, for protective caps or collars.
61—HYDRAULIC AND EARTH ENGINEERING, subclass 77, for devices for protecting the driving head of a pile.
138—PIPES AND TUBULAR CONDUITS, subclass 96 for protectors for the threads on pipe ends.

278. Apparatus under subclass 270 that are gripped by the hand and given a direct push or pull by the hand.

(1) Note.—There may be force multiplying means for operating the parts that grip the work, but the assembling or disassembling force is given a direct push or pull by the person operating the same.

Search this class, subclass—
244+—for devices that grip the work and have force multiplying means for the assembling or disassembling push or pull.

279. Hand devices under subclass 278 for applying or removing parts of centrifugal separators.

(1) Note.—Most of the patents include an elongated means that is insertable through the openings of aligned separator plates or cone discs, with provisions for securing the bottom one thereto, so that the elongated means and the parts secured as a unit may be pulled from or inserted into the centrifugal machine by direct hand pull or push on the elongated means.

Search this class, subclass—
241—for assembling by stringing objects on an elongated part.

280. Apparatus under subclass 278 that operates on tubes, sleeves, or ferrules.

Search this class, subclass—
282—and see the notes thereto for other apparatus for operating upon tubes, sleeves, or ferrules.

281. Apparatus under subclass 280 that grips the tube, sleeve, or ferrule, by means of screwing into the same a tapered threaded point in the nature of a tap.

282. Apparatus under subclass 200 for assembling and/or securing or disassembling tubes, sleeves, or ferrules to each other or to other articles.

(1) Note.—Many of the preceding subclasses have special types of apparatus for this purpose, some of which are referred to in the following note.

Search this class, subclass—
234—for tube and coextensive core apparatus.
235+—for apparatus for operating upon resilient tubes or sleeves.
255—for percussive apparatus.
280+—for hand grippers.

Search Class—
61—HYDRAULIC AND EARTH ENGINEERING, subclass 72, for submarine pipe laying.
154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclasses 5+, for hose making.
254—PUSHING AND PULLING IMPLEMENTS, subclasses 29+, for pipe jacks.
255—EARTH BORING, subclass 35, for machine wrenches for screwing or unscrewing sections of well tubing or casing.

283. Apparatus under subclass 200 claiming only (1) a work gripping subcombination, (2) an anvil, or (3) any subcombination of an assembling or disassembling apparatus incapable by itself of performing a work assembling or disassembling operation and not elsewhere classifiable.

Search this class, subclass—
284+—for work holders, per se.

Search Class—
10—BOLT, NAIL, NUT, RIVET, AND SCREW MAKING, subclass 22, for bolt and rivet making anvils.
78—METAL FORGING AND WELDING, subclasses 5+, and 44, for anvils.

284. Apparatus under the class definition claiming work holders per se.

(1) Note.—This is the generic place for work holders per se, and takes all work holders for which no other classification is provided.
(2) Note.—Combinations of work holders with means for performing work operations are classified in the place appropriate to the work performing means.
(3) Note.—Work holders per se are in many classes, see the notes below, which refer to only those subclasses which pertain to work holders per se and related supports or holding means.

Search Class—
12—BOOT AND SHOE MAKING, subclasses 68, for boot-treeing machines, 69, for boot-tree holders, 116+, for boot trees, and 123+, for work supports.
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 268.
17—BUTCHERING, subclasses 44+, for supports and shackles for animal carcasses.
24—BUCKLES, BUTTONS, CLASPS, ETC., particularly subclasses 79 through 85 for clasps combined with other fasteners, including other clasps and subclasses 243+ for clasps.
38—TEXTILES, IRONING OR SMOOTHING, subclasses 64 and 103+.
51—ABRADING, subclasses 215, 216+, for work holders for securing the work in position or traversing it past a grinder, 238+, for work rests and 240, for work tables.
59—CHAIN, STAPLE, AND HORSE-SHOE MAKING, subclass 34, for devices for holding a chain link for welding.
69—LEATHER MANUFACTURES, subclass 19.

76—METAL TOOLS AND IMPLEMENTS—MAKING, subclasses:
19, for pressers for holding file blanks on the bed of a file cutting machine,
34, 35, 39, 42, 43, for saw holders for holding and moving a saw relative to a sharpening tool,
74—77, for miscellaneous means to support feed and/or guide saws relative to sharpening, setting or dressing mechanisms,
78+, for miscellaneous clamps and vises for holding saws during manufacturing, sharpening, etc. operations.
77—BORING AND DRILLING, subclasses 32+, for drilling machines with movable work holders, 63+, for work supports, for holding work being drilled.
78—METAL FORGING AND WELDING, the subclasses appearing in the class in the order of listing below:
52, for riveting machines having means for clamping the plates being riveted together.
53.5, for means for holding a rivet in place during the riveting operation,
44, for anvils for power hammers,
3+, for forging anvils having a work holding vise,
5+, for miscellaneous anvils and attachments therefor, particularly subclass 8 for vises,
96+, for miscellaneous work holders for feeding or manipulating the work to be forged.
79—BUTTON MAKING, subclass 18, for miscellaneous supports for button blanks.
80—METAL ROLLING, subclasses 43+, for devices for feeding and conveying the work to and from the rolls.
81—TOOLS, subclasses 17+, for vises.
82—TURNING, subclasses:
28+, for headstocks,
31, for tailstocks,
33, for centers,
35, for combined tool and work rests,
38+, for miscellaneous work rests.
86—AMMUNITION AND EXPLOSIVE-CHARGE MAKING, subclass 44, for miscellaneous shell holding devices.
90—GEAR CUTTING, MILLING, AND PLANING, subclasses 21+, for miscellaneous work feeds for milling machines, 56+, for indexing devices for producing a regular series of teeth or grooves, 58, for work tables, 59+, for work holders.
91—COATING, subclasses 60+, for devices for holding work while it is being coated.
95—PHOTOGRAPHY, subclasses:
86, for camera supports,
100, for developing work holders,
101+, for retouching stands.
101—PRINTING, subclasses 407+.
113—SHEET-METAL WARE-MAKING, subclasses 99+, for soldering clamps.
125—STONE WORKING, subclass 35.
136—BATTERIES, subclass 173 for battery racks.
142—WOOD TURNING, subclasses:
48, for combined tool rests and work supports, and
57, for socket chucks.
143—WOOD SAWING, which has numerous subclasses on work holding and manipulating relative to the saw and see also the following subclasses which appear in the class in the order given:
105+, 114+, 125+, 97+, for log-carriages, for sawmills and various devices usable therewith,
132, for saw tables,
86+, for miter boxes,
91, for sawbucks.
144—WOODWORKING, which has numerous subclasses under the various types of woodworking machines involving work holding and manipulating, and see particularly subclasses:
242—250, for miscellaneous mechanisms for moving work to a cutting tool and for holding it to a machine bed,
269, for clamps for holding wood in bent form,
278, for machine work clamps,
285—287, for workbenches.
286, for work holding stands,
288.5, for devices for holding or spacing laths,
289+, for miscellaneous work holding clamps,
306+, for bench dogs.
146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, various subclasses, for devices for holding and moving the work relative to cutters, subclasses 214, for work tables, 215, for cutting blocks and boards, and subclasses 216+, for miscellaneous clamps.
157—WHEELWRIGHT-MACHINES, subclass 4, for work holders for spoke setters.
168—FARRIERY, subclass 44, for shoeing stands.
219—ELECTRIC HEATING, subclasses 17+, for work holders for metal treating.
223—APPAREL APPARATUS, subclass 110.
248—SUPPORTS, for supports in general.
279—CHUCKS OR SOCKETS.
300—BRUSH, BROOM, AND MOP MAKING, subclasses 10+, for work holders for brush-making machines.

285. Work holders under subclass 284, in which the holder is supported from the work held. These devices for the most part are to hold plural work pieces a predetermined distance apart during the work operation (i. e., gage holders), or to hang one work part on another in related (including abutting) relation, as devices for holding an oil pan on an engine block while screws are applied.

Search Class—
24—BUCKLES, BUTTONS, CLASPS, ETC., for miscellaneous fastening devices, particularly subclasses 73+, for combined fasteners.
33—GEOMETRICAL INSTRUMENTS, subclasses 174+, for gauges particularly subclasses 180+, for collocating gauges.
61—HYDRAULIC AND EARTH ENGINEERING, subclass 66, for keel and bilge blocks.
189—METALLIC BUILDING STRUCTURES, subclass 35, for clips or fasteners for structural building units.

286. Work holders under subclass 284 having means for engaging two or more work pieces and positioning or holding them in related arrangement.

Search this class, subclass—
285—for holders supported from the work.

Search Class—
113—SHEET-METAL WARE-MAKING, subclasses 99+, for clamps for holding work pieces for soldering only.

287. Work holders under subclass 286 designed to hold two or more work pieces either coaxially, or positioned around a center common to the work pieces.

Search Class—
33—GEOMETRICAL INSTRUMENTS, subclass 84, for straight edge type devices, for shaft aligning and leveling and subclasses 180+, for collocating gauges.

288. Work holders under subclass 284 in the nature of a stand, which may be, for example, of the single or double standard type, a frame, table, etc., with which work holding features are associated.

Search Class—
248—SUPPORTS, for supporting stands in general.

289. Work holding stands under subclass 288 for supporting motors or engines.

(1) Note.—These are frequently double standard type stands with the work holding means therebetween.

290. Work holding stands under subclass 288 for supporting radiators.

(1) Note.—These are frequently of the single standard type with the work holding means at the top thereof.

59, Chain, Staple, and Horseshoe Making (Division 57)

in subclass 7, in the note, change "84" to *200*.

64, Machine Elements—Shafting and Flexible Shaft Couplings (Division 45)

in subclass 1, under (1) Note, in the reference to class 29, Metal Working, cancel "85".

70, Locks (Division 20)

in subclass 375, cancel (1) Note;
in subclass 466, under "Search Classes", cancel the reference to class 29, Metal Working.

74, Machine Elements and Mechanisms (Divisions 12, 45)

in subclass 230.3, under "(3) Search Classes", in the reference to class 29, Metal Working, change "subclasses 87, 159" to *subclass 159*,
and in numerical order of classes, add:
157—WHEELWRIGHT-MACHINES, subclass 1.5, for apparatus for assembling spoked metallic wheels.

81, Tools (Division 29)

in subclass 3.05, under "Search Classes", change the reference to class 29, Metal Working, to read:
29—METAL WORKING, subclasses 200+, for pin inserters and removers;
in the definition of the unnumbered subclass preceding subclass 3.10, and entitled "Receptacle closure removers", under (4) Note, change the reference to class 29, Metal Working, to read:
29—METAL WORKING, subclasses 200+, for pin inserters and removers.;

in subclass 44, under "(4) Search Classes", cancel the reference to class 29, Metal Working, and substitute:

29—METAL WORKING, subclasses 200+, particularly subclasses 218, 221, 223+, 232, 248, 268, for plier or tong type devices specially designed to engage work and to exert either a pull or a push to assist in assembling or disassembling.;

in subclass 48, under "(2) Search Classes", cancel the reference to class 29, Metal Working.

86, Ammunition and Explosive-Charge Making (Division 35)

in subclass 37, under "Search Classes", cancel the reference to class 29, Metal Working, and substitute:

29—METAL WORKING, subclasses 244+, for related assembling and disassembling tools.

117, Coating; Processes and Miscellaneous Products (Division 38)

in subclass 132, in the note, in numerical order, add *128.4*;

in subclass 133, in the note, in numerical order, add *128.7*;

in subclass 161, in the note, in numerical order, add *128.4*;

and in subclass 162, in the note, in numerical order, add *128.7*.

136, Batteries (Division 60)

in the main class definition, under "Search Classes", in the reference to class 29, Metal Working, change "84" to *200+*.

138, Pipes and Tubular Conduits (Division 52)

in the main class definition, cancel (15) Note, and substitute:

(15) Note.—Class 29, METAL WORKING, subclasses 200+, for apparatus for applying tubes to and removing tubes from the device with which they are associated.

140, Wireworking (Division 14)

in subclass 89, under "Search Class", in the reference to class 29, Metal Working, cancel "87.1" and substitute: *215+ and 225+*.

153, Metal Bending (Division 14)

in the main class definition, cancel (2) Note and substitute:

Search Class—

29—METAL WORKING, subclasses 148+, for assembling processes, and 200+, for assembling apparatus. The line on assembling, involving bending, is:
Class 153 takes bending operations (even though parts may be assembled or secured thereby) provided that no more of the apparatus or process for accomplishing the bending is claimed. In cases involving binding and covering by bending, apparatus and methods which merely position the binding or covering are in class 153, subclass 1. In all other cases, where additional structure for, or steps of, relatively positioning one or more parts with relation to other of the parts for assembling are claimed, classification is in class 29, METAL WORKING.

154, Laminated Fabric and Analogous Manufactures (Divisions 20, 55)

in subclass 2.21 under (3) Note, in the reference to class 29, Metal Working, cancel "subclass 84 and indented subclasses, for miscellaneous assembling apparatus and processes".

157, Wheelwright Machines (Division 29)

in the main class definition, add:

Search Class—

29—METAL WORKING, subclasses 200+, for miscellaneous assembling apparatus and see the notes thereto for other assembling.

establish the following subclass definition:

1.5. Apparatus under the main class definition for assembling metallic spoked wheels (e. g., "wire" wheels), and/or for holding the felly and hub while trueing the wheel.

(1) Note.—For work holding stands, search class 29, METAL WORKING, subclasses 284+, and class 144, Woodworking, subclass 288.

Search Class—

29—METAL WORKING, see note (1), and subclass 159.02, for similar methods.

78—METAL FORGING AND WELDING, subclass 16, for apparatus for securing the wheel in the hub or felly by upsetting the spoke or compressing the hub or felly.

144—WOODWORKING, subclass 288, see note (1).

in subclass 12, under "Search Classes", cancel the reference to class 29, Metal Working.

223, Apparel Apparatus (Division 24)

in subclass 48, cancel the notes and substitute:

Search Class—

29—METAL WORKING, subclass 241, for other apparatus for assembling by stringing.

63—JEWELRY.;

in subclass 49, in the note, change "84" to *200*.

254, Pushing and Pulling Implements (Division 61)

in the main class definition, under "Search Class", cancel the reference to class 29, Metal Working, and substitute:

29—METAL WORKING, subclasses 200+, for pushing and pulling implements specially designed for assembling and disassembling purposes.;

in subclass 1, under "(2) Search Classes", cancel the note to class 29, Metal Working;

in subclass 18, under "Search Class", in the reference to class 29, Metal Working, change "84" to *200*;

in subclass 100, under "(2) Search Classes", in the reference to class 29, Metal Working, change "85 and 86.1" to *258+*;

in subclass 120, under "(2) Search Classes" in the reference to class 29, Metal Working, change "subclass 86.2" to *subclasses 248, 268*.

294, Handling—Hand and Hoist-Line Implements (Division 4)

in the main class definition, under "(4) Search Classes", in the reference to class 29, Metal Working, change "84" to *200*;

in subclass 93, in (2) Note, cancel "29, Metal Working, subclass 87.1, for valve-lifters with spreading elements, and",

and under "(4) Search Classes", cancel the reference to class 29, Metal Working.

299, Fluid Sprinkling, Spraying and Diffusing (Division 46)

in subclass 13, number the note (1) and add:

(2) Note.—If the bubble-nozzle, catch basin, or other structure of the drinking fountain is not claimed, the water supply and drain with the valve controls are classifiable in class 137, WATER DISTRIBUTION, subclass 13.

308, Machine Elements—Bearings and Guides (Division 45)

in subclass 195, in the note, change "84 and 148.4" to *148.4, 149.5 and 201*;

in subclass 213, in the note, change "84 and 148.4" to *148.4, 149.5 and 201*.

316, Electric Lamp and Discharge Devices, Manufacture and Repair (Division 54)

in subclasses 2 and 28, under "Search Class", in the reference to class 29, Metal Working, change "84" to *200*.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 18, 1944

[VOL. 564. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 463,256. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed Sept. 6, 1943.

WESTERN

FOR SPONGE-PADS CONSISTING OF SPONGE CLIPPINGS ASSEMBLED TOGETHER IN A PACKET FOR USE IN LIEU OF NATURAL OR SYNTHETIC SPONGES.

Claims use since Feb. 17, 1942.

Ser. No. 465,122. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 19, 1943.

CELATOW

FOR AN AGGREGATE OR BUNDLE OF CONTINUOUS FILAMENTS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.

Claims use since Nov. 9, 1943.

Ser. No. 468,236. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio. Filed Mar. 13, 1944.

VELOFILM

FOR FILMS, SHEETS AND LAMINA COMPOSED OF PLASTICS AND/OR SYNTHETIC RESINS.

Claims use since Feb. 4, 1944.

Ser. No. 469,353. GUY D. BUSH, doing business as Bush's Nursery, Minneapolis, Minn. Filed Apr. 15, 1944.

"MINNESOTA SNOWFLAKE"

The word "Minnesota" is disclaimed apart from the mark.

FOR MOCK ORANGE SHRUBS.

Claims use since June 14, 1942.

CLASS 2

RECEPTACLES

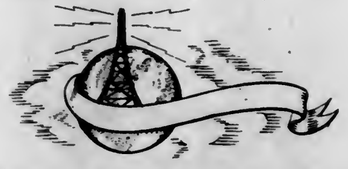
Ser. No. 454,242. VACUUM CAN COMPANY, Chicago, Ill. Filed July 15, 1942.

AER JAC

FOR INSULATED JACKETS FOR FOOD RECEPTACLES AND COVERS THEREFOR, SAID INSULATED JACKETS AND COVERS BEING SOLD IN COMBINATION.

Claims use since June 1, 1942.

Ser. No. 463,437. S. JOSEPH DOWNING, doing business as Shippers Over Seas Company, New York, N. Y. Filed Sept. 16, 1943.



FOR EMPTY KNOCK DOWN BOXES MADE OF WOOD AND EMPTY KNOCK DOWN CARTONS MADE OF FIBER BOARD AND PASTEBOARD.

Claims use since Sept. 1, 1943.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 470,786. ADRIENNE HANDBAGS, Boston, Mass. Filed May 30, 1944.

Adrienne HANDBAGS

The word "Handbags" is disclaimed apart from the mark.

FOR LADIES' HANDBAGS.

Claims use since Dec. 11, 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 459,766. REX-O-GRAPH, INC., Milwaukee, Wis. Filed Apr. 9, 1943.

REX-O-*graph*

FOR CLEANSING CREAM FOR REMOVING HECTOGRAPH CARBON, INK AND RIBBON STAINS FROM THE HANDS.
Claims use since July 3, 1934.

Ser. No. 465,497. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Dec. 3, 1943.

STAR 5X

FOR CLEANING, CLEANSING AND DETERGENT MATERIAL FOR GENERAL WASHING AND CLEANING PURPOSES.
Claims use on trade-mark "Star 5X" since about Oct. 1, 1943; and in association with both the words "Alkali" and "Special" from about Mar. 23, 1927, until about Oct. 1, 1943.

Ser. No. 465,791. THE W. F. AND JOHN BARNES COMPANY, Rockford, Ill. Filed Dec. 16, 1943.

•BARNESITE•

FOR LENS POLISHING MATERIAL.
Claims use since Aug. 31, 1943.

Ser. No. 468,773. ALBERT T. BENEZET, doing business as Zet Cleaning Pad Co., Wildwood, N. J. Filed Mar. 29, 1944.

ZET

FOR HOUSEHOLD CLEANSER IN THE FORM OF SCOURING PADS.
Claims use since Mar. 2, 1944.

Ser. No. 469,438. JAMES M. KENNEDY, doing business as Copper Clad Products Company, Rome, N. Y. Filed Apr. 18, 1944.

Copper Clad

Applicant disclaims the word "Copper" except as shown.
FOR METAL CLEANER.
Claims use since Mar. 21, 1944.

Ser. No. 469,713. LEWIS O. WILLIAMS, doing business as The Williams Company, Kokomo, Ind. Filed Apr. 26, 1944.

-Bouffon't-

FOR SCENTED GARMENT CLEANER.
Claims use since July 6, 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 464,651. JENKINS LABORATORIES, INC., Auburn, N. Y. Filed Nov. 3, 1943.

MALNUTONE

FOR TONIC AND NUTRIENT CONTAINING VITAMINS.
Claims use since Oct. 15, 1943.

Ser. No. 468,382. S. W. LANDSBERGER CHEMICAL WORKS, INC., New York, N. Y. Filed Mar. 17, 1944.

ESWEL

FOR EDIBLE ACIDS—NAMELY, CITRIC ACID, LACTIC ACID, PHOSPHORIC ACID, TARTARIC ACID, AND MIXTURES THEREOF; PRESERVATIVES—NAMELY, BENZOIC ACID AND ITS COMPOUNDS, SODIUM SULFITE, SULFUR DIOXIDE; COLORING MATTER—NAMELY, COLORING MATTER FOR FOODS, FOR FLAVORING EXTRACTS, AND FOR BEVERAGES; COOLING COMPOUNDS—NAMELY, NITRATES; BLEACHING AGENTS AND DISINFECTANTS—NAMELY, CHLORINE, SULFITES, FLUOSILIC COMPOUNDS, ALKALIES, FORMEATES; CURING AGENTS—NAMELY, NITRITES AND LACTIC INVERT PRODUCTS; CARBONIC ACID AND OXYGEN BATH PREPARATIONS.
Claims use since Mar. 10, 1944.

Ser. No. 468,580. ORMONT DRUG & CHEMICAL CO., INC., Long Island City, N. Y. Filed Mar. 23, 1944.

ORMOCOSLENE

FOR PREPARATIONS FOR THE TREATMENT OF COUGHS, THROAT IRRITATIONS AND AFFECTIONS OF THE BRONCHIAL TRACT.
Claims use since Feb. 10, 1944.

Ser. No. 468,883. GEIGY COMPANY, INC., New York, N. Y. Filed Mar. 31, 1944.

IRGAFEN

FOR PREPARATION FOR THE TREATMENT OF INFECTIONS OF PNEUMOCOCCIC, STAPHYLOCOCCIC, STREPTOCOCCUS VIRIDANS, MENINGOCOCCIC AND B. COLIC.
Claims use since Jan. 19, 1944.

Ser. No. 469,234. NUODEX PRODUCTS CO., INC., Elizabeth, N. J. Filed Apr. 11, 1944.

NUO-NIC

FOR INSECTICIDES, FUNGICIDES AND COMPOSITIONS FOR CONTROLLING PARASITES OF ANIMAL ORIGIN, SUCH AS APHIDES AND OTHER INSECTS.
Claims use since March 1944.

Ser. No. 469,536. O. Z. DUNLAP, doing business as Vita-Gold Co., Omaha, Nebr. Filed Apr. 21, 1944.

VITA-SLIM

FOR VITAMIN FORTIFIED CEREAL.
Claims use since July 15, 1942.

Ser. No. 469,598. EDWARD M. HALPERN, Newark, N. J. Filed Apr. 24, 1944.

Swanee

FOR HAND AND SKIN CREAM FOR REMOVING AND PREVENTING SKIN IRRITATIONS, SUNBURN, CHAFING, CHAPPED SKIN AND LIPS, SCALD, BURNS, BABIES' DIAPERS RASH, ATHLETE'S FOOT, TIRED, SWEATY AND ACHING FEET, EXCESSIVE, PERSPIRATION, DEODORANT, AND SIMILAR USES.
Claims use since November 1943.

Ser. No. 469,603. PAUL T. LAWRENCE, doing business as The Gwen-Ayr Company, Cleveland, Ohio. Filed Apr. 24, 1944.

BEL AYR

FOR PERFUME.
Claims use since Mar. 31, 1944.

Ser. No. 469,619. BONNE BELL, INC., Cleveland, Ohio. Filed Apr. 25, 1944.

MEXITAN

FOR COSMETIC FOUNDATION LOTION, ESPECIALLY LEG MAKE-UP.
Claims use since Apr. 15, 1942.

Ser. No. 469,697. SCHUTTE LABORATORIES, Beaver Falls, Pa. Filed Apr. 26, 1944.

STARATS STARATS STARATS STARATS

FOR RAT KILLER.
Claims use since Mar. 25, 1944.

Ser. No. 469,722. GEORGE W. BURRY, doing business as The Lucident Co., Elizabeth, N. J. Filed Apr. 27, 1944.

odokil

FOR PRODUCT FOR DESTROYING KITCHEN ODORS.
Claims use since January 1944.

Ser. No. 469,792. ALBERT J. TAYLOR, Buffalo, N. Y. Filed Apr. 28, 1944.

Treblox

FOR HAIR DRESSING FOR MAKING UNRULY HAIR LAY DOWN AND AIDING IN THE REMOVAL OF DANDRUFF SCALES.
Claims use since Apr. 22, 1944.

Ser. No. 469,845. MOHAWK LABORATORIES, Frankfort, N. Y. Filed May 1, 1944.

FALPRO

FOR FLUXES.
Claims use since Apr. 11, 1944.

Ser. No. 469,849. SOUTHERN STOCK SPECIFIC COMPANY, Birmingham, Ala. Filed May 1, 1944. Under 10-year proviso.

SOUTHERN

FOR MEDICINAL PREPARATION FOR TREATING DISEASES IN ANIMALS AND POULTRY.
Claims use since 1869.

Ser. No. 469,853. TRIBISDUN MEDICAL CO., INC., Washington, D. C. Filed May 1, 1944.

TRIBISDUN

FOR PREPARATION FOR HYPERACIDITY.
Claims use since Jan. 1, 1944.

Ser. No. 469,860. ARIDYE CORPORATION, Fair Lawn, N. J. Filed May 2, 1944.

AQUIPHEN

FOR DRY DYESTUFFS AND DYESTUFF DISPERSIONS.
Claims use since Apr. 17, 1944.

Ser. No. 469,861. ARIDYE CORPORATION, Fair Lawn, N. J. Filed May 2, 1944.

ARIPHEN

FOR DRY DYESTUFFS AND DYESTUFF DISPERSIONS.
Claims use since Apr. 17, 1944.

Ser. No. 469,862. THE ARMAND COMPANY, Des Moines, Iowa. Filed May 2, 1944.

ALERTIN

FOR ANTISEPTIC SOLUTION FOR ORAL HYGIENE AND FIRST AID.
Claims use since Nov. 26, 1943.

Ser. No. 469,871. FRANK FAHRBACH, doing business as Fahrbach Chemical Co., Dallas, Tex. Filed May 2, 1944.

FIRM-O

FOR MOUTH ANTISEPTIC TO RELIEVE DISCOMFORT OF TENDER AND BLEEDING GUMS.
Claims use since Aug. 1, 1936.

Ser. No. 469,892. CANADIAN RADIUM & URANIUM CORPORATION, New York, N. Y. Filed May 3, 1944.

ARI

FOR MEDICINAL OINTMENT FOR THE TREATMENT OF ARTHRITIS.
Claims use since Sept. 23, 1941.

Ser. No. 469,903. FRANK HAROLD LEWIS, doing business as Rogers Park Drug Company, Baltimore, Md. Filed May 3, 1944.

CAL-A-GRIN

FOR LOTION FOR MINOR SKIN IRRITATIONS OF ALL CHARACTERS.
Claims use since March 1938.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 468,895. MIDWEST MANUFACTURING AND ENGINEERING CORP., Boston, Mass., and New York, N. Y. Filed Mar. 31, 1944.

Host-ex

FOR COMBINATION ASH TRAYS AND COASTERS INCIDENTAL THERETO NOT MADE OF PRECIOUS METALS.
Claims use since Mar. 20, 1944.

Ser. No. 468,896. MIDWEST MANUFACTURING AND ENGINEERING CORP., Boston, Mass., and New York, N. Y. Filed Mar. 31, 1944.



FOR CIGARETTE CASES AND COMBINATION ASH TRAYS AND COASTERS INCIDENTAL THERETO NOT MADE OF PRECIOUS METALS.
Claims use since Mar. 20, 1944.

CLASS 10

FERTILIZERS

Ser. No. 469,017. THE PACIFIC LUMBER COMPANY, San Francisco, Calif. Filed Apr. 4, 1944.

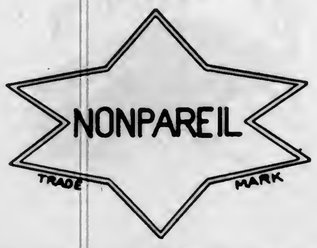


FOR SOIL LIGHTENER AND MULCH COMPRISING COMMINUTED PLANT FIBER FOR USE LIKE PEAT MOSS.
Claims use since Mar. 2, 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 467,455. THEODORE HIERTZ METAL CO., St. Louis, Mo. Filed Feb. 16, 1944. Under 10-year proviso.



No claim is made to the words "Trade Mark."
FOR BABBITT METAL, ANTI-FRICTION METALS, TYPE-METALS, AND SOLDER.
Claims use since Jan. 1, 1890.

CLASS 15

OILS AND GREASES

Ser. No. 470,168. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed May 12, 1944.



No claim is made to the figures "100" apart from the mark.
FOR MOTOR FUEL GASOLINE.
Claims use since Mar. 29, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 461,740. FILTERED ROSIN PRODUCTS, INC., Brunswick, Ga. Filed June 29, 1943.

CHEMLAC

FOR PAINTS AND VARNISHES IN DRY AND READY MIXED FORM.
Claims use since June 18, 1943.

Ser. No. 465,448. COL-MAC COMPANY, Westbury, Long Island, N. Y. Filed Dec. 2, 1943.

PLASTIPHANE

FOR LIQUID PLASTIC IN THE NATURE OF A LACQUER WHICH FORMS A RUBBER-LIKE PROTECTIVE COATING FOR ARTICLES OF MERCHANDISE.
Claims use since Oct. 14, 1943.

Ser. No. 468,607. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Mar. 24, 1944.

ARMADILLO

FOR PIGMENTED PRIMER AND SEALER FOR USE ON NEW WOOD AND FRESH PLASTERED SURFACES.
Claims use since Apr. 5, 1941.

Ser. No. 468,809. NUODEX PRODUCTS CO., INC., Elizabeth, N. J. Filed Mar. 29, 1944.

NUODITE

FOR DRIERS FOR PASTE AND READY-MIXED PAINTS, VARNISHES AND PAINT ENAMELS, DRIER PRESERVATIVES FOR DRIERS FOR PASTE AND READY-MIXED PAINTS, VARNISHES AND PAINT ENAMELS, WETTING AND DISPERSING AGENTS FOR PIGMENTED COATING MATERIALS, BODYING AGENTS FOR PASTE AND READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS AND LACQUERS, AND GRINDING AGENTS FOR PIGMENTS FOR PASTE AND READY-MIXED PAINTS, ENAMELS, AND LACQUERS.
Claims use since 1935.

Ser. No. 469,233. JOHN McQUADE & CO., INC., Brooklyn, N. Y. Filed Apr. 11, 1944. Under 10-year proviso as to "McQuade."



FOR PAINTS, SPECIFICALLY DESCRIBED AS FOLLOWS: A COMPLETE LINE OF PAINTS, VARNISHES, AND PAINT ENAMELS.
Claims use since Aug. 31, 1943, and since 1885 for "McQuade."

Ser. No. 469,601. ROBERT MALCOLM LANGSTON, doing business as Oklahoma Chemical Co., Oklahoma City, Okla. Filed Apr. 24, 1944.

LINSOIL

FOR THINNER FOR PAINTS.
Claims use since 1935.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 464,251. MICRO PRODUCTS CORPORATION, Hastings on Hudson, N. Y. Filed Oct. 19, 1943.

MICROPERM

FOR COILS, COIL ASSEMBLIES AND MAGNETIC CORES FOR THE SAME—NAMELY, SUPPRESSION FILTERS, COIL BODIES, RADIO FREQUENCY TRANSFORMERS, INTERMEDIATE FREQUENCY TRANSFORMERS, MAGNETIC CORES FOR AUDIO OR LOW FREQUENCY TRANSFORMERS, OSCILLATION TRANSFORMERS, BAND-PASS FILTERS, INTERFERENCE FILTERS, CHOKE COILS, AND LOADING COILS.
Claims use since September 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 469,320. ARCHITECTOR COMPANY, New York, N. Y. Filed Apr. 14, 1944.



The words "Building Set" are disclaimed apart from the mark.
FOR TOY BUILDING SETS.
Claims use since Mar. 6, 1944.

Ser. No. 469,835. LEE M. GOLDSTINE, doing business under the name of The Lilee Products Co., Chicago, Ill. Filed May 1, 1944.

PEER-A SCOPE

FOR OPTICAL TOY.
Claims use since Feb. 9, 1944.

Ser. No. 470,729. NANCY ANN DRESSED DOLLS, San Francisco, Calif. Filed May 27, 1944.

ALICE THRU LOOKING GLASS

FOR DOLLS AND DOLL CLOTHES.
Claims use since Jan 2, 1942.

Ser. No. 470,743. SUNSET LINE & TWINE CO., San Francisco, Calif. Filed May 27, 1944.



FOR FISHING LINES.
Claims use since June 1935.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 464,796. WILLIAM C. RYMER, doing business as Diamond R Agencies, Pasadena, Calif. Filed Nov. 6, 1943.



FOR METAL BONDED DIAMOND FILES OR HONES.
Claims use since Oct. 1, 1943.

Ser. No. 468,992. UNITED AIRCRAFT PRODUCTS, INC., Los Angeles, Calif. Filed Apr. 3, 1944.

SKY HIGH

FOR HYDRAULIC JACKS OF THE FLOOR TYPE FOR GARAGES AND OF THE GENERAL UTILITY TYPE.
Claims use since Jan. 18, 1944.

Ser. No. 469,107. H. A. ASTLETT & Co., New York, N. Y. Filed Apr. 7, 1944.

ASTLAMAR

FOR RAZORS AND RAZOR BLADES.
Claims use since December 1943.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 461,164. THE GRUEN WATCH COMPANY, Cincinnati and Time Hill, Cincinnati, Ohio. Filed June 5, 1943.

PAN AMERICAN CAPTAIN

No claim is made to the words "Pan American" apart from the mark.
FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since May 21, 1943.

Ser. No. 465,053. WATERBURY CLOCK COMPANY, Waterbury, Conn., now by change of name The United States Time Corporation. Filed Nov. 16, 1943.

CRITERION

FOR WATCHES AND CLOCKS.
Claims use since May 3, 1934.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 467,081. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C. Filed Feb. 1, 1944.



NORTHERN PLAINS INDIANS CRAFTS ASSOCIATION

Applicant disclaims the phrase "Crafts Association" apart from the mark.
FOR BEAD AND/OR PORCUPINE-QUILL WORK BRACELETS, NECKLACES, AND FINGER RINGS.
Claims use since Aug. 25, 1943.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 470,797. F. R. HORMANN & COMPANY, INC., Brooklyn, N. Y. Filed May 30, 1944.



FOR ASBESTOS AND CELLULOSE COMPOSITION FILTER MEDIA FOR CLARIFICATION.
Claims use since May 15, 1944.

Ser. No. 470,798. F. R. HORMANN & COMPANY, INC., Brooklyn, N. Y. Filed May 30, 1944.



FOR ASBESTOS AND CELLULOSE COMPOSITION FILTER MEDIA FOR STERILIZATION.
Claims use since May 15, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 470,733. FRANK L. POLLARD COMPANY, Oakland, Calif. Filed May 27, 1944.



FOR BABY CRIBS, VENETIAN BLINDS, AND RECORD FILE RACKS.
Claims use since Sept. 9, 1943.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 468,166. SKUTTLE MANUFACTURING COMPANY, Detroit, Mich. Filed Mar. 10, 1944.

VAPOGLAS

FOR DIFFUSER PLATES FOR AIR HUMIDIFYING APPARATUS.
Claims use since Jan. 15, 1941.

Ser. No. 468,590. THOMAS G. BECKETT, Dallas, Tex. Filed Mar. 24, 1944.

ARO-LINE

FOR EVAPORATIVE COOLING UNITS, LAMP REFLECTORS, SHADES AND SCREENS.
Claims use since Feb. 15, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 464,272. REDSON-RICE CORPORATION, Chicago, Ill. Filed Oct. 20, 1943.

Weld End Velope

FOR ENVELOPES.
Claims use since Oct. 8, 1943.

Ser. No. 466,009. DEBS HOSPITAL SUPPLIES, Chicago, Ill. Filed Dec. 23, 1943.

Quads

FOR MOUTH WIPING HANDKERCHIEFS OF MULTIPLE-PLY CELLULOSE MATERIAL.
Claims use since March 1929.

Ser. No. 466,715. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J. Filed Jan. 20, 1944.

PRESIDENT

Applicant is the owner of Reg. No. 262,648.
FOR FOUNTAIN PENS.
Claims use since Jan. 7, 1944.

Ser. No. 467,271. FACIL FABRICS COMPANY, New York, N. Y. Filed Feb. 8, 1944.

FACIL-FAB

FOR DECORATIVE CARDBOARD PAPER WITH A SURFACE OF UNWOVEN RAYON THREADS, KNOWN IN THE TRADE AS "LAMINATED RAYON PIECE GOODS," AND WHEN CUT INTO NARROW WIDTHS, AS "LAMINATED RAYON RIBBON," AND WHEN BACKED WITH THICK CARDBOARD, AS "LAMINATED RAYON CONSTRUCTION BOARD," PLAIN, EMBOSSED, QUILTED, RIPPLED, LITHOGRAPHED, PRINTED, SILK-SCREENED, FLOCKED OR AIR-BRUSHED.
Claims use since Mar. 1, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 461,626. CONVERSE & CO., INCORPORATED, Louisville, Ky. Filed June 24, 1943.

Christian Observer

The drawing is lined for shading only.
FOR RELIGIOUS PUBLICATION PUBLISHED WEEKLY.
Claims use since Jan. 2, 1840.

Ser. No. 465,007. HAROLD N. PINKUS, doing business as Charmin' Initials Co., New York, N. Y. Filed Nov. 15, 1943.

CHARMIN' INITIALS

The word "Initials" is disclaimed apart from the mark.
FOR SHEETS CONTAINING TRANSFER INITIALS FOR USE UPON FABRICS.
Claims use since Nov. 8, 1943.

Ser. No. 467,206. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind. Filed Feb. 5, 1944.

MAGIC CIRCLE

FOR TRADE PERIODICAL.
Claims use since May 1943.

Ser. No. 468,177. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Mar. 10, 1944.

Shadow

FOR COMIC CARTOON MAGAZINE.
Claims use since Mar. 1, 1940.

Ser. No. 468,178. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Mar. 10, 1944.

The Shadow

FOR CARTOON STRIPS AND ILLUSTRATED FICTIONAL STORIES IN A PERIODICAL PUBLISHED AT INTERVALS.
Claims use since Mar. 1, 1940.

Ser. No. 468,182. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Mar. 10, 1944.

TRUE SPORT

FOR COMIC CARTOON MAGAZINE.
Claims use since Aug. 1, 1940.

Ser. No. 468,552. ARTOGRAPH COMPANY, Brooklyn, N. Y. Filed Mar. 23, 1944.

OILO-GRAPH

FOR MECHANICALLY PRODUCED PICTURES AS BY PRINTING AND LITHOGRAPHY.
Claims use since Jan. 3, 1944.

Ser. No. 469,302. Ex-LAX, INC., Brooklyn, N. Y. Filed Apr. 13, 1944.

The "LAXIES"

FOR CARTOON STRIP AND COMICS.
Claims use since Sept. 12, 1943.

CLASS 39

CLOTHING

Ser. No. 459,392. AMERICAN WOMEN'S VOLUNTARY SERVICES, INC., New York, N. Y. Filed Mar. 27, 1943.

A.W.V.S.

FOR WOMEN'S AND MISSES' SUITS AND DRESSES.
Claims use since Sept. 24, 1941.

Ser. No. 469,096. M. & D. SIMON CO., Cleveland, Ohio. Filed Apr. 6, 1944.

Rollaway

Applicant disclaims the word "Roll" apart from the mark.
FOR MEN'S AND BOYS' DRESS AND SPORT SHIRTS.
Claims use since Oct. 1, 1940.

Ser. No. 469,890. WILLIAM B. KESSLER, INC., New York, N. Y. Filed May 3, 1944.

NOBLETONES

FOR MEN'S CLOTHING—NAMELY, SUITS, COATS, SLACKS AND SPORT COATS.
Claims use since July 1937.

Ser. No. 470,343. MAYFLOWER DRESS CO., INC., New York, N. Y. Filed May 17, 1944.

TOP SCORE

FOR LADIES' AND MISSES' DRESSES, BLOUSES, SKIRTS, PLAYSUITS, AND PINAFORES.
Claims use since May 7, 1940.

CLASS 43

THREAD AND YARN

Ser. No. 470,198. KILBURN MILL, New Bedford, Mass. Filed May 12, 1944.

MILPRIDE

FOR COTTON SEWING THREAD.
Claims use since Dec. 8, 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 469,383. CIRCULEX CORPORATION LIMITED, Toronto, Ontario, Canada. Filed Apr. 17, 1944.

Circulex

FOR ELECTRICALLY OPERATED VIBRATORY THERAPEUTIC MACHINES.
Claims use since June 1, 1943.

Ser. No. 470,558. THE CELLOSILK MFG. COMPANY, Barrington, Ill. Filed May 24, 1944.

Cellosilk

FOR CHEMICAL TISSUE FOR USE AS A SURGICAL DRESSING.
Claims use since October 1917.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 457,481. ROSENBERG BROS. & Co., San Francisco, Calif. Filed Dec. 17, 1942.

ENSIGN

"KERNELS OF SUNSHINE"

No claim is made to the word "Kernels" apart from the mark.
FOR ALMONDS.
Claims use since 1909.

Ser. No. 467,296. CHARLES O. MCAFEE, doing business as McAfee Candy Company, Macon, Ga. Filed Feb. 9, 1944.

GLO-JO

FOR CANDY BARS AND PEANUT BUTTER.
Claims use since July 31, 1943.

Ser. No. 467,437. JANE M. SHATTUCK, New York, N. Y., assignor to Frank G. Shattuck Company, New York, N. Y., a corporation of Massachusetts. Filed Feb. 15, 1944.

BIACAKE SHOP

No claim is made to the word "Shop" apart from the mark.
FOR CAKES, PIES, PASTRY, BREAD, COOKIES, CRACKERS, JAMS, JELLIES, FRUIT PRESERVES, CHILI SAUCE AND MAYONNAISE. CANDIES AND CONFECTIONS—NAMELY, ORANGE MARMALADE, CHERRY CONSERVE, AND BRANDIED MINCEMEAT.
Claims use since Oct. 1, 1914.

Ser. No. 468,760. NATIONAL DAIRY PRODUCTS COMPANY, INC., New York, N. Y. Filed Mar. 28, 1944.

Formulac

FOR SPECIAL DIETARY INFANT FOOD DERIVED FROM MILK WITH MINERAL AND VITAMIN SUPPLEMENTS.
Claims use since Feb. 12, 1944.

Ser. No. 470,295. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Filed May 16, 1944.

MOHAWK

FOR CHEWING GUM.
Claims use since May 5, 1944.

Ser. No. 470,493. FINE PRODUCTS CORPORATION, doing business as Nunnally's, Augusta, Ga. Filed May 22, 1944.

Camellia

FOR CANDY.
Claims use since September 1938.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 463,780. GLUEK BREWING COMPANY, Minneapolis, Minn. Filed Sept. 30, 1943.



FOR PALE LIGHT-BODIED MALT LIQUOR.
Claims use since June 1, 1942.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 469,204. J. MARION LEGENDRE, doing business as Legendre & Company, New Orleans, La. Filed Apr. 10, 1944.

OLD BLENDWOOD

Applicant disclaims the word "Old" apart from the mark.
FOR WHISKEY.
Claims use since Mar. 31, 1944.

Ser. No. 469,827. ARROW LIQUEURS CORPORATION, Detroit, Mich. Filed May 1, 1944.

SHANGRI-LA

FOR LIQUEURS AND CORDIALS.
Claims use since Mar. 22, 1944.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 463,079. PLASTIC ENGINEERING, INC., Cleveland, Ohio. Filed Aug. 28, 1943.

PEI

FOR MOLDED THERMO-PLASTIC ARTICLES—NAMELY, BOTTLE CAPS, THREAD GUARDS, AND PROTECTIVE CYLINDRICAL AND CUP SHAPED COVERS ALL MADE OF MOLDED THERMO-PLASTIC MATERIAL.
Claims use since June 1, 1943.

Ser. No. 464,527. WOODBRIDGE SANITARY POTTERY CORPORATION, Woodbridge, N. J. Filed Oct. 29, 1943.

ILAWARE

FOR CERAMIC STATUARY AND FIGURINES.
Claims use since Sept. 27, 1943.

Ser. No. 468,242. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Co., Akron, Ohio. Filed Mar. 13, 1944.

VELOFLEX

FOR ARTIFICIAL LEATHER COMPRISING A PLASTIC AND/OR A SYNTHETIC RESIN MATERIAL.
Claims use since Feb. 4, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 18, 1944

408,045. WATCHES, WATCH CASES, WATCH DIALS, WATCH PARTS, AND WRIST WATCHES WITH BRACELETS ATTACHED. HAMILTON WATCH COMPANY, Lancaster, Pa.
Filed July 11, 1940. Serial No. 433,859. PUBLISHED MAY 9, 1944. Class 27.

408,046. LETTER HEADS, PRINTED ENVELOPES, BLOTTERS, AND PRINTED BLANK FORMS FOR HOTEL USE, IN THE NATURE OF MEMORANDUM BLANKS, RECORD FORMS, CALL SHEETS, ETC., SOLD TO HOTELS AFFILIATED WITH APPLICANT IN DIFFERENT STATES OF THE UNITED STATES. GILBERT SYSTEM HOTELS, INC., Jacksonville, Fla.
Filed November 18, 1941. Serial No. 448,728. PUBLISHED MAY 9, 1944. Class 37.

408,047. MOUTH WASH. PLOUGH, INC., Memphis, Tenn.
Filed October 8, 1942. Serial No. 456,081. PUBLISHED JANUARY 26, 1943. Class 6.

408,048. PERMANENT HAIR WAVING SOLUTION, PERMANENT HAIR WAVING NEUTRALIZER, AND SHAMPOO. NATIONAL MINERAL COMPANY, Chicago, Ill.
Filed November 25, 1942. Serial No. 457,039. PUBLISHED MAY 2, 1944. Class 6.

408,049. FLOUR OF NUT SHELLS AND FRUIT PITS SOLD AS A RAW MATERIAL FILLER FOR PAINTS AND LACQUERS, FILLER FOR GLUE PRODUCTS, CARRIER FOR INSECTICIDES, FILLER FOR PLASTIC MANUFACTURE, ETC. AGICIDE LABORATORIES, INC., Milwaukee, Wis.
Filed February 4, 1943. Serial No. 458,321. PUBLISHED MAY 9, 1944. Class 1.

408,050. PERFUMES. RUY DE BARROS CHALMERS, Rio de Janeiro, Brazil.
Filed February 5, 1943. Serial No. 458,354. PUBLISHED MAY 2, 1944. Class 6.

408,051. WIRE FABRIC FOR MAKING BELTS AND CONVEYORS AND FOR OTHER PURPOSES. AUDUBON WIRE CLOTH CORPORATION, Philadelphia, Pa.
Filed March 13, 1943. Serial No. 459,065. PUBLISHED MAY 9, 1944. Class 13.

408,052. COOKIES OF VARIOUS TYPES AND SHAPES. DEER PARK BAKING CO., INC., Chicago, Ill.
Filed July 26, 1943. Serial No. 462,306. PUBLISHED MAY 9, 1944. Class 46.

408,053. STENCILS AND DUPLICATING PAPER. REMINGTON RAND INC., Buffalo, N. Y.
Filed August 11, 1943. Serial No. 462,672. PUBLISHED MAY 9, 1944. Class 37.

408,054. LAUNDRY WASHING MACHINES. MANUEL ONTANON DELGADO, Anahuac Colony, Mexico City, Mexico.
Filed August 20, 1943. Serial No. 462,875. PUBLISHED MAY 9, 1944. Class 24.

408,055. PAINT IN PASTE FORM. THE PETROL CORPORATION, Los Angeles, Calif.
Filed August 23, 1943. Serial No. 462,954. PUBLISHED MAY 2, 1944. Class 16.

408,056. LADIES' AND MISSES' COATS, SUITS, JACKETS AND COAT AND SUIT ENSEMBLES. JULIUS NELSON CORP., New York, N. Y.
Filed September 25, 1943. Serial No. 463,653. PUBLISHED APRIL 25, 1944. Class 39.

408,057. STORM COATS. CHICAGO RUBBER CLOTHING COMPANY, Racine, Wis., now by change of name Rainfair, Inc., a corporation of Wisconsin.
Filed September 29, 1943. Serial No. 463,744. PUBLISHED APRIL 25, 1944. Class 39.

408,058. FRESH VEGETABLES. GENE BRENDLIN, San Luis Obispo, Calif.
Filed November 3, 1943. Serial No. 464,643. PUBLISHED MAY 9, 1944. Class 46.

408,059. BROOCHES, BRACELETS, NECKLACES, LAVALIERES, PENDANTS, AND BUCKLES FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES. JOHN RUBEL, doing business as John Rubel Co., New York, N. Y.
Filed November 5, 1943. Serial No. 464,762. PUBLISHED MAY 9, 1944. Class 28.

408,060. PORTABLE SECTIONAL DWELLINGS, GARAGES, BARNS, HANGERS, WAREHOUSES, BARRACKS, OFFICE BUILDINGS, COOPS AND KENNELS AND PARTS THEREOF, AND DRESSED WOOD STOCK FOR MAKING SHELVES. HAL STONEBRAKER, doing business as Technicut Wood Products Co., Overland Park, Kans.
Filed November 8, 1943. Serial No. 464,834. PUBLISHED MAY 9, 1944. Class 12.

408,061. ELECTRICAL APPARATUS FOR AUTOMATIC SERVICE SETTING OF PROJECTILE FUSES RESPONSIVELY TO REMOTE CONTROL, ETC. ATLANTIC ELEVATOR COMPANY, Philadelphia, Pa.
Filed November 13, 1943. Serial No. 464,960. PUBLISHED MAY 9, 1944. Class 26.

408,062. JUVENILE AND BOYS' SUITS, SPORTCOATS, AND OUTER WEARING APPAREL — NAMELY, TOPCOATS AND SNOW SUITS. WILLIAM B. SCHWARTZ, doing business as B. Schwartz & Co., Philadelphia, Pa.
Filed November 17, 1943. Serial No. 465,079. PUBLISHED APRIL 25, 1944. Class 39.

408,063. PLANT NURSERY PRODUCTS—NAMELY, BULBS, ROSEBUSHES, ORNAMENTAL PLANTS, GRAPEVINES, FRUIT AND OTHER TREES. CALIFORNIA NURSERY COMPANY, Niles, Calif.
Filed November 23, 1943. Serial No. 465,223. PUBLISHED MAY 9, 1944. Class 1.

408,064. PLANT NURSERY PRODUCTS—NAMELY, BULBS, ROSEBUSHES, ORNAMENTAL PLANTS, GRAPEVINES, FRUIT AND OTHER TREES. CALIFORNIA NURSERY COMPANY, Niles, Calif.
Filed November 29, 1943. Serial No. 465,356. PUBLISHED MAY 9, 1944. Class 1.

408,065. SYNTHETIC DRYING OILS FOR USE IN PAINTS, VARNISHES, AND ENAMELS. THE H. D. ROOSEN COMPANY, Brooklyn, N. Y.
Filed December 4, 1943. Serial No. 465,514. PUBLISHED APRIL 25, 1944. Class 16.

408,066. FRUIT JAM. MAX AMS, INC., New York, N. Y.
Filed December 7, 1943. Serial No. 465,592. PUBLISHED MAY 9, 1944. Class 46.

408,067. WOMEN'S AND MISSES' WEARING APPAREL — NAMELY, DRESSES, NIGHTGOWNS, WAISTS, AND NEGLIGEES. DUMARI TEXTILE CO., INC., New York, N. Y.
Filed December 10, 1943. Serial No. 465,677. PUBLISHED MAY 2, 1944. Class 39.

408,068. MEN'S AND BOYS' HOSE MADE OF COTTON YARNS. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed December 13, 1943. Serial No. 465,733. PUBLISHED MAY 2, 1944. Class 39.

408,069. SALTS FOR ELECTROLYTIC BATHS. COLONIAL ALLOYS COMPANY, Philadelphia, Pa.
Filed December 17, 1943. Serial No. 465,839. PUBLISHED MAY 2, 1944. Class 6.

408,070. ELECTRICAL INSTRUMENT PANELS, DIAL SCALES FOR RADIO TUNING, TUNING CONTROLS FOR RADIO TUNING, AND KNOBS FOR RADIO TUNING CONTROLS. CROWE NAME PLATE & MANUFACTURING CO., Chicago, Ill.
Filed December 22, 1943. Serial No. 465,976. PUBLISHED MAY 9, 1944. Class 21.

408,071. LIQUID ANTI-STRIP COMPOUND FOR BITUMINOUS MIXES, SOIL STABILIZATION, AND FLOOR AND ROAD REPAIRS. THE SULLIVAN COMPANY, Memphis, Tenn.
Filed December 22, 1943. Serial No. 465,994. PUBLISHED MAY 9, 1944. Class 12.

408,072. ELECTRIC LIGHTING FIXTURES FOR FLUORESCENT LAMPS. THE EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed December 24, 1943. Serial No. 466,041. PUBLISHED MAY 9, 1944. Class 21.

408,073. MEN'S AND BOYS' OVERALLS, MEN'S WORK SHIRTS, MEN'S FLANNEL SHIRTS, MEN'S AND BOYS' WORK PANTS, AND MEN'S AND BOYS' COATS. BIG JACK MANUFACTURING COMPANY, INC., Bristol, Va.
Filed December 27, 1943. Serial No. 466,070. PUBLISHED APRIL 25, 1944. Class 39.

408,074. RESINOUS MATERIALS USED IN INKS, SAID RESINOUS MATERIALS PROVIDING IN THE CLASS OF GOODS DESCRIBED A FILM CHARACTERIZED BY RAPID DRYING, IMPROVED DURABILITY AND STABILITY TO REAGENTS, AND IMPROVED ADHESION. ANSBACHER-SIEGLE CORPORATION, Brooklyn, N. Y.
Filed January 1, 1944. Serial No. 466,249. PUBLISHED MAY 2, 1944. Class 11.

408,075. CARBON PAPER. ALLIED CARBON & RIBBON MFG. CORP., New York, N. Y.
Filed January 6, 1944. Serial No. 466,340. PUBLISHED MAY 2, 1944. Class 11.

408,076. THREAD AND YARN COMPOSED OF PLASTIC FILAMENTS AND PLASTIC WIRE-LIKE FILAMENTS. NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md.
Filed January 6, 1944. Serial No. 466,358. PUBLISHED MAY 9, 1944. Class 43.

408,077. WOMEN'S AND MISSES' COATS, DRESSES, SUITS, FUR COATS AND FUR JACKETS. THE DAYTON COMPANY, Minneapolis, Minn.
Filed January 14, 1944. Serial No. 466,571. PUBLISHED APRIL 25, 1944. Class 39.

408,078. FRESH DECIDUOUS FRUITS. ROBERT FIERRO, Martinsburg, W. Va.
Filed January 15, 1944. Serial No. 466,611. PUBLISHED MAY 9, 1944. Class 46.

408,079. CATALYTIC BARIUM CHLORIDE, COMBINED WITH SLIGHT QUANTITIES OF OTHER ELEMENTS USED TO PRODUCE MINUSCLE RADIATIONS FOR INVIGORATING AND STIMULATING NORMAL FUNCTIONING OF THE BODY. GEORGE C. ERICKSON, Chicago, Ill.
Filed January 17, 1944. Serial No. 466,643. PUBLISHED MAY 2, 1944. Class 6.

408,080. EXTRACT OF THE PITUITARY GLAND USED TO CORRECT GONAD HYPO-FUNCTION. W. F. STRAUB & COMPANY, Chicago, Ill.
Filed January 21, 1944. Serial No. 466,773. PUBLISHED MAY 2, 1944. Class 6.

408,081. POLISH FOR FURNITURE, FLOORS, WOODWORK, AUTOMOBILES, AND KINDRED USES. THE CAMAC CO., Cambridge, Mass.
Filed January 22, 1944. Serial No. 466,780. PUBLISHED APRIL 25, 1944. Class 16.

408,082. LIQUID HAND PROTECTING CREAM. WATTS-WAGNER COMPANY, INC., New York, N. Y.
Filed January 22, 1944. Serial No. 466,817. PUBLISHED MAY 2, 1944. Class 6.

408,083. OVERCOATS, RAINCOATS, TOPCOATS, SUIT COATS AND SPORT COATS. LAMM BROTHERS, INC., Baltimore, Md.
Filed January 24, 1944. Serial No. 466,843. PUBLISHED MAY 9, 1944. Class 39.

408,084. CANNED PORK AND BEANS. COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE, INC., Ithaca, N. Y.
Filed January 29, 1944. Serial No. 466,983. PUBLISHED MAY 9, 1944. Class 46.

408,085. KITCHEN SINK TOPS. THE KITCHEN MAID CORPORATION, Andrews, Ind.
Filed January 29, 1944. Serial No. 466,993. PUBLISHED MAY 9, 1944. Class 13.

408,086. MAGNETIC METAL ALLOYS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed January 29, 1944. Serial No. 467,009. PUBLISHED MAY 9, 1944. Class 14.

408,087. DEHYDRATED SOUP BONE STOCK AND MEAT EXTRACT. SWIFT AND COMPANY, Chicago, Ill.
Filed February 2, 1944. Serial No. 467,115. PUBLISHED MAY 9, 1944. Class 46.

408,088. LADIES' OUTER GARMENTS—NAMELY, DRESSES AND SUITS. JULIUS PINCUS, WILLIAM MARKS AND IRVING PINCUS, Plymouth, Pa.
Filed February 3, 1944. Serial No. 467,135. PUBLISHED MAY 2, 1944. Class 39.

408,089. MEN'S TROUSERS. PHILIP FERTIG, doing business as Hollywood "A1," New York, N. Y.
Filed February 4, 1944. Serial No. 467,151. PUBLISHED APRIL 25, 1944. Class 39.

408,090. MEDICINAL PREPARATION RECOMMENDED FOR USE IN PROPHYLAXIS AND TREATMENT OF CONDITIONS WHERE CALCIUM AND VITAMINS ARE INDICATED. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed February 5, 1944. Serial No. 467,195. PUBLISHED MAY 2, 1944. Class 6.

408,091. RAYON YARN. INDUSTRIAL RAYON CORPORATION, Cleveland, Ohio.
Filed February 7, 1944. Serial No. 467,242. PUBLISHED APRIL 25, 1944. Class 43.

408,092. SPAR VARNISHES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed February 8, 1944. Serial No. 467,286. PUBLISHED APRIL 25, 1944. Class 16.

408,093. HAIR POMADES AND FOOT BALM. FANNINGS & Co., Chicago, Ill.
Filed February 9, 1944. Serial No. 467,293. PUBLISHED MAY 2, 1944. Class 6.

408,094. ANTI-OXIDANT (CONSISTING OF NORDIHYDROGUAIARETIC ACID) FOR VARIOUS EDIBLE PRODUCTS AND PHARMACEUTICALS. WM. J. STANGE CO., Chicago, Ill.
Filed February 9, 1944. Serial No. 467,303. PUBLISHED MAY 2, 1944. Class 6.

408,095. MEN'S, BOYS', WOMEN'S AND GIRLS' OVERCOATS AND TOPCOATS. C. B. SHANE CORPORATION, Chicago, Ill.
Filed February 14, 1944. Serial No. 467,408. PUBLISHED APRIL 25, 1944. Class 39.

408,096. BLANK PAYROLL BOOKS USED AS GUIDES TO SOCIAL SECURITY AND WITHHOLDING TAX RECORDS. STANFORD STANLEY, doing business as Mutual Publishers, New York, N. Y.
Filed February 14, 1944. Serial No. 467,409. PUBLISHED MAY 9, 1944. Class 37.

408,097. COMBINATION COLD WATER PAINT AND WATER-PROOFING AGENT FOR APPLICATION TO MASONRY SURFACES. WHI-TEX COMPANY, St. Louis, Mo.
Filed February 14, 1944. Serial No. 467,420. PUBLISHED MAY 2, 1944. Class 16.

408,098. CANNED SARDINES. THE LA FAYETTE PACKING COMPANY, Rockland, Maine, and New York, N. Y.
Filed February 16, 1944. Serial No. 467,457. PUBLISHED MAY 9, 1944. Class 46.

408,099. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, LIPSTICK AND ROUGE. IVOR RICH, New York, N. Y.
Filed February 16, 1944. Serial No. 467,470. PUBLISHED MAY 2, 1944. Class 6.

408,100. WOMEN'S AND MISSES' SLIPS AND NIGHTGOWNS. TAILORED SILK UNDERGARMENT CO. INC., New York, N. Y.
Filed February 16, 1944. Serial No. 467,474. PUBLISHED APRIL 25, 1944. Class 39.

408,101. CHEWING GUM. LA VICTORIA, S. A., San Luis Potosi, Mexico.
Filed February 17, 1944. Serial No. 467,494. PUBLISHED MAY 9, 1944. Class 46.

408,102. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed February 17, 1944. Serial No. 467,495. PUBLISHED MAY 2, 1944. Class 6.

408,103. MEN'S AND YOUNG MEN'S TOPCOATS AND OVERCOATS. JACOB SIEGEL COMPANY, Philadelphia, Pa.
Filed February 17, 1944. Serial No. 467,500. PUBLISHED APRIL 25, 1944. Class 39.

408,104. PIECE GOODS OF COTTON, LINEN, WOOL, SILK, RAYON, AND COMBINATIONS THEREOF. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed February 18, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 467,514. PUBLISHED APRIL 25, 1944. Class 42.

408,105. OUTER SHIRTS AND UNDERWEAR. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed February 18, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 467,513. PUBLISHED APRIL 25, 1944. Class 39.

408,106. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. JOSEPH M. KATZ, Pittsburgh, Pa.
Filed February 18, 1944. Serial No. 467,524. PUBLISHED MAY 9, 1944. Class 37.

408,107. PERFUMES. MONEAU CORP. OF NEW YORK, New York, N. Y.
Filed February 18, 1944. Serial No. 467,533. PUBLISHED MAY 2, 1944. Class 6.

408,108. INSECTICIDE SPRAY. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed February 18, 1944. Serial No. 467,543. PUBLISHED MAY 2, 1944. Class 6.

408,109. SULFATHIAZOL SOLUTIONS. WESTWOOD PHARMACAL CORPORATION, Buffalo, N. Y.
Filed February 18, 1944. Serial No. 467,550. PUBLISHED MAY 2, 1944. Class 6.

408,110. MEN'S AND YOUNG MEN'S TOPCOATS AND OVERCOATS. BROWNING KING & CO., INC., Philadelphia, Pa.
Filed February 19, 1944. Serial No. 467,556. PUBLISHED MAY 2, 1944. Class 39.

408,111. LADIES' AND MISSES' SUITS AND COATS. BROWNING KING & CO., INC., Philadelphia, Pa.
Filed February 19, 1944. Serial No. 467,557. PUBLISHED APRIL 25, 1944. Class 39.

408,112. MEN'S AND YOUNG MEN'S TOPCOATS AND OVERCOATS. JACOB SIEGEL COMPANY, Philadelphia, Pa.
Filed February 19, 1944. Serial No. 467,575. PUBLISHED MAY 2, 1944. Class 39.

408,113. MEDICINAL PREPARATION FOR USE AS A GERMICIDE AND AN ANTISEPTIC PREPARATION. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed February 19, 1944. Serial No. 467,581. PUBLISHED MAY 2, 1944. Class 6.

408,114. LADIES', MISSES', AND JUNIORS' COATS, SUITS, SKIRTS, JACKETS, AND COAT AND SUIT ENSEMBLES. THE LINADA COAT CO., INC., New York, N. Y.
Filed February 21, 1944. Serial No. 467,612. PUBLISHED MAY 2, 1944. Class 39.

408,115. BOYS', GIRLS', AND CHILDREN'S COATS, SUITS, COAT AND SUIT COMBINATIONS, AND LEGGING SETS. SMITHKEN & KLEINMAN, New York, N. Y.
Filed February 21, 1944. Serial No. 467,622. PUBLISHED MAY 2, 1944. Class 39.

408,116. BOYS', GIRLS', AND CHILDREN'S COATS, SUITS, COAT AND SUIT COMBINATIONS, AND LEGGING SETS. SMITHKEN & KLEINMAN, New York, N. Y.
Filed February 21, 1944. Serial No. 467,623. PUBLISHED APRIL 25, 1944. Class 39.

408,117. OUTER SHIRTS. THE MANHATTAN SHIRT COMPANY, New York, N. Y.
Filed February 25, 1944. Serial No. 467,763. PUBLISHED MAY 2, 1944. Class 39.

408,118. CANNED VEGETABLES, KETCHUP, AND TOMATO JUICE. COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE, INC., Ithaca, N. Y.
Filed March 3, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 467,935. PUBLISHED MAY 9, 1944. Class 46.

408,119. FRESH VEGETABLES. R. B. WILSON, doing business as R. B. Wilson Co., Brawley, Calif., and Phoenix, Ariz.
Filed March 4, 1944. Serial No. 467,991. PUBLISHED MAY 9, 1944. Class 46.

408,120. FRESH VEGETABLES. R. B. WILSON, doing business as R. B. Wilson Co., Brawley, Calif, and Phoenix, Ariz.
Filed March 4, 1944. Serial No. 467,992. PUBLISHED MAY 9, 1944. Class 46.

408,121. TEXTILE FABRICS IN THE PIECE, OF COTTON, SPUN RAYON, PROTEIN FIBRES AND COMBINATIONS THEREOF. CREST FABRICS CORP., New York, N. Y.
Filed March 6, 1944. Serial No. 468,000. PUBLISHED MAY 9, 1944. Class 42.

408,122. MEDICINAL PREPARATION RECOMMENDED FOR USE IN PROPHYLAXIS AND TREATMENT OF CONDITIONS WHERE CALCIUM AND VITAMINS ARE INDICATED. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed March 7, 1944. Serial No. 468,030. PUBLISHED MAY 2, 1944. Class 6.

408,123. WOOLEN PIECE GOODS. WESLEY SIMPSON INC., New York, N. Y.
Filed March 7, 1944. Serial No. 468,045. PUBLISHED MAY 9, 1944. Class 42.

408,124. NURSERY CHAIR SWINGS. MEYERS MANUFACTURING CO., Minneapolis, Minn.
Filed March 9, 1944. Serial No. 468,120. PUBLISHED MAY 9, 1944. Class 32.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

408,125. (CLASS 2. RECEPTACLES.) CALIFORNIA CONTAINER CORPORATION, Emeryville, Calif. Filed Nov. 13, 1939. Serial No. 425,555.

FRUIT CRADLE

FOR BOXES, CASES, SHIPPING CONTAINERS AND CARTONS MADE PRINCIPALLY OF FIBRE BOARD, CORRUGATED BOARD OR OTHER LIKE MATERIAL.
Claims use since Jan. 15, 1939.

408,126. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BENJAMIN ELECTRIC MFG. COMPANY, Des Plaines, Ill. Filed May 24, 1941. Serial No. 443,871.

Duo-Service

FOR ELECTRIC LIGHTING FIXTURES.
Claims use since Mar. 1, 1936.

408,127. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DE PREE COMPANY, Holland, Mich. Filed Mar. 3, 1943. Serial No. 458,875.

VERMI-TOX

Applicant disclaims the word "Tox" as it is shown in the drawing.
FOR INSECTICIDE.
Claims use since Aug. 28, 1922.

408,128. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ST. THOMAS & PUERTO RICO FRUIT PRODUCTS CO., San Francisco, Calif. Filed Mar. 15, 1943. Serial No. 459,138.

PASSIONRICO

FOR NON-ALCOHOLIC MIXERS TO BE USED WITH ALCOHOLIC BEVERAGES IN PREPARATION OF COCKTAILS AND OTHER MIXED DRINKS.
Claims use since November 1942.

408,129. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NILES-BEMENT-POND COMPANY, West Hartford, Conn. Filed Mar. 30, 1943. Serial No. 459,526.

AIR-O-LIMIT

FOR DIMENSIONAL GAGES.
Claims use since July 23, 1942.

408,130. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MARK CROSS COMPANY, New York, N. Y. Filed Apr. 19, 1943. Serial No. 460,003.

'POKE'

FOR HANDBAGS.
Claims use since Nov. 17, 1942.

408,131. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WHITE PEARL COMPANY, Pawtucket, R. I. Filed Apr. 21, 1943. Serial No. 460,080.

PEARL - GLO

FOR NECKLACES, PINS, BRACELETS, AND EARRINGS MADE OF WOOD, ALABASTER, GLASS OR PLASTIC MATERIALS.
Claims use since Mar. 1, 1943.

408,132. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN DIETAIDS COMPANY, INC., Yonkers, N. Y. Filed May 5, 1943. Serial No. 460,411.

Kup Kafay

FOR SOLUBLE COFFEE EXTRACT.
Claims use since Mar. 19, 1943.

408,133. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LIQUID CARBONIC CORPORATION, Chicago, Ill. Filed May 6, 1943. Serial No. 460,449.

CHENEY

FOR MEDICAL OXYGEN, ANHYDROUS NITROUS OXIDE, CARBON DIOXIDE AND OXYGEN MIXTURE. MEDICAL CARBON DIOXIDE, MEDICAL ETHYLENE GAS, HELIUM AND OXYGEN MIXTURE, MEDICAL HELIUM GAS, AND CYCLOPROPANE.
Claims use since Aug. 31, 1942.

408,134. (CLASS 31. FILTERS AND REFRIGERATORS.) BRIGGS CLARIFIER COMPANY, Washington, D. C. Filed May 19, 1943. Serial No. 460,729.

BRIGGS FUEL OIL CLARIFIER

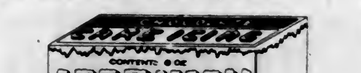
FOR OIL FILTERS.
Claims use since Aug. 1, 1942.

408,135. (CLASS 31. FILTERS AND REFRIGERATORS.) BRIGGS CLARIFIER COMPANY, Washington, D. C. Filed May 19, 1943. Serial No. 460,730.

BRIGGS LUBE OIL CLARIFIER

FOR OIL FILTERS.
Claims use since Aug. 1, 1942.

408,136. (CLASS 31. FILTERS AND REFRIGERATORS.) BRIGGS CLARIFIER COMPANY, Washington, D. C. Filed May 19, 1943. Serial No. 460,731.
The drawing is lined for yellow.



FOR OIL FILTERS.
Claims use since 1932.

408,137. (CLASS 27. HOROLOGICAL INSTRUMENTS.) KARL PLEPLA, New York, N. Y. Filed June 5, 1943. Serial No. 461,176.

DUALWIND

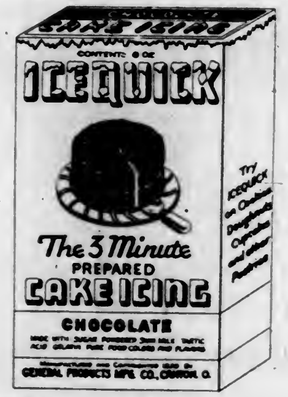
FOR WATCHES, WATCH MOVEMENTS AND PARTS THEREOF.
Claims use since June 3, 1943.

408,138. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOODWIN PRESERVING CO., INCORPORATED, Louisville, Ky. Filed June 11, 1943. Serial No. 461,316.

TEWBERRY JELLY

FOR FRUIT JELLY.
Claims use since May 25, 1943.

408,139. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAROLD EDWIN DICE, doing business as General Products Manufacturing Co., Canton, Ohio. Filed June 12, 1943. Serial No. 461,342.



FOR PREPARED CAKE ICING.
Claims use since July 15, 1939.

408,140. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. C. PERKINS, also doing business as Heritage Pharmacals, Chicago, Ill. Filed June 21, 1943. Serial No. 461,569.

SUPERMAN

FOR VITAMIN AND MINERAL TABLETS.
Claims use since Apr. 7, 1943.

408,141. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUSSELL-TAYLOR, INCORPORATED, Chicago, Ill. Filed June 25, 1943. Serial No. 461,666.

DEVONSHIRE TOPPING

FOR FOOD PREPARATION IN LIQUID FORM ADAPTED TO BE BEATEN INTO PASTE FORM SUITABLE FOR THE ORNAMENTATION OR TRIMMING OF CAKES, PASTRIES, SUNDAES, DESSERTS AND THE LIKE.
Claims use since Dec. 21, 1942.

408,142. (CLASS 48. MALT BEVERAGES AND LIQUORS.) FIRST CARAMEL MALTING CORPORATION, Paterson, N. J. Filed Aug. 18, 1943. Serial No. 462,818.

BREW-AID

FOR BREWING ADJUNCTS, COMPRISING BARLEY GRITS, MALTS, BEVERAGES AND MALT PRODUCTS USED BY BREWERS OF BEER AND OTHER MALT BEVERAGES.
Claims use since Apr. 1, 1943.

408,143. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HILL MANUFACTURING COMPANY, Atlanta, Ga. Filed Oct. 5, 1943. Serial No. 463,905.



FOR DEVICE CONTAINING CHEMICALS FOR USE IN ABSORBING MOISTURE AND AS A DEODORIZER.
Claims use since Apr. 21, 1943.

408,144. (CLASS 48. MALT BEVERAGES AND LIQUORS.) JOHN F. TROMMER, INC., Brooklyn, N. Y. Filed Oct. 8, 1943. Serial No. 464,010.



FOR BEER.
Claims use since Dec. 6, 1933.

408,145. (CLASS 37. PAPER AND STATIONERY.) EMPIRE PAPER CO., Chicago, Ill. Filed Jan. 14, 1944. Serial No. 466,572.

CURRENT LEDGER

FOR LEDGER PAPERS.
Claims use since July 1915.

408,146. (CLASS 17. TOBACCO PRODUCTS.) BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Filed Feb. 24, 1944. Serial No. 467,711.

BAYUK

FOR CIGARS AND SMOKING TOBACCO.
Claims use since Nov. 1, 1912.

408,147. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FEDERAL RAZOR BLADE CO., INC., Newark, N. J. Filed Feb. 25, 1944. Serial No. 467,755.

Shelby

FOR RAZOR BLADES.
Claims use since Jan. 8, 1934.

408,148. (CLASS 43. THREAD AND YARN.) THE LINEN THREAD CO., INC., New York, N. Y. Filed Mar. 20, 1944. Serial No. 468,457.

KANTSTRAND

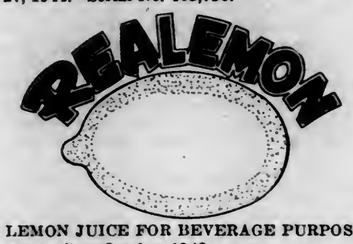
FOR THREAD AND YARN.
Claims use since Apr. 8, 1915.

408,149. (CLASS 43. THREAD AND YARN.) THE LINEN THREAD CO., INC., New York, N. Y. Filed Mar. 20, 1944. Serial No. 468,460.

BESTYET

FOR THREAD AND YARN.
Claims use since Jan. 29, 1912.

408,150. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PURITAN FRUIT PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 27, 1944. Serial No. 468,736.



FOR LEMON JUICE FOR BEVERAGE PURPOSES.
Claims use since October 1942.

408,151. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. F. KNIGHT DRUG CO., St. Louis, Mo. Filed Apr. 1, 1944. Serial No. 468,923.

El-C-Lee

FOR MEDICINAL DUSTING POWDER FOR THE RELIEF OF PRICKLY HEAT.
Claims use since 1929.

408,152. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAULING'S PHARMACAL COMPANY, INC., Wilkes-Barre, Pa. Filed Apr. 4, 1944. Serial No. 469,018.

PAULING'S
SPECIAL

FOR PREPARATION FOR HEADACHE AND NEURALGIA IN POWDER AND CAPSULE FORM.
Claims use since 1910.

408,153. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) AUTOMATIC WASHER COMPANY, Newton, Iowa. Filed Apr. 17, 1944. Serial No. 469,375.

Spin-dry

FOR DOMESTIC LAUNDRY MACHINES WHEREIN BOTH WASHING AND RINSING OPERATIONS ARE PERFORMED.
Claims use since 1931.

408,154. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COOS BAY FARMERS' COOPERATIVE, Salem, Oreg. Filed Apr. 19, 1944. Serial No. 469,460.

COOS BAY

FOR CANNED OYSTERS.
Claims use since 1942.

TRADE-MARK REGISTRATIONS RENEWED

24,281. **"BO-GO-HA-MA" AND DESIGN.** NATURAL MINERAL WATER. Registered February 27, 1894. STAFFORD MINERAL SPRINGS & HOTEL CO., LTD., New Orleans, La. Re-renewed February 27, 1944, to J. B. Graham, doing business as Stafford Mineral Springs Co., Stafford Springs, Miss., successor.

25,455. **SWAMP ROOT.** PROPRIETARY REMEDY FOR THE TREATMENT OF KIDNEY, LIVER, BLADDER AND URINARY DISORDERS, BRIGHT'S DISEASE, DROPSY, SWELLING OF THE FEET, PAIN IN THE BACK, JOINTS OR BONES, RHEUMATISM, SKIN DISEASES AND BLOOD DISORDERS. Registered November 6, 1894. DR. KILMER & CO., Binghamton, N. Y. Re-renewed November 6, 1944, to Kilmer & Co., Incorporated, Stamford, Conn., a corporation of Connecticut, assignee by mesne assignments.

25,493. **U. & O.** OINTMENTS FOR THE TREATMENT OF CANCER GROWTHS, TUMORS, PILES, GOITER, ULCERS, CHEST AND LUNG SORENESS, RHEUMATISM, LAME BACK AND OTHER PAINS AND ACHES, AND INFLAMMATIONS AND SWELLINGS OF ALL KINDS. Registered November 13, 1894. DR. KILMER & CO., Binghamton, N. Y. Re-renewed November 13, 1944, to Kilmer & Co., Incorporated, Stamford, Conn., a corporation of Connecticut, assignee by mesne assignments.

25,494. **S. ANDRAL KILMER, M. D.** PROPRIETARY MEDICINES FOR THE TREATMENT OF KIDNEY, LIVER, STOMACH, BLADDER, GALL, SKIN, BLOOD, URINARY AND NERVOUS TROUBLES, RHEUMATISM, HEADACHE, BACK ACHE AND OTHER PAINS AND ACHES, AND BRUISES, CANCERS, TUMORS AND THE LIKE, CONSTIPATION AND MALARIA. Registered November 13, 1894. DR. KILMER & CO., Binghamton, N. Y. Re-renewed November 13, 1944, to Kilmer & Co., Incorporated, Stamford, Conn., a corporation of Connecticut, assignee by mesne assignments.

25,506. **DAZZLE.** POLISH FOR STOVES AND SIMILAR ARTICLES. Registered November 13, 1894. J. L. PRESCOTT & Co., North Berwick, Maine, and New York, N. Y. Re-renewed November 13, 1944, to J. L. Prescott Company, Passaic, N. J., a corporation of New Jersey, assignee.

167,231. **ONOR-MAID.** VANISHING CREAM, MASSAGE CREAM, COLD CREAM, ROSE LEAF JELLY, BENZOIN AND ALMOND LOTION, FACE POWDERS, TALCUM POWDER, FOOT POWDER, PERFUME, TOILET WATER, DEODORANT, HAIR REMOVER, LIP ROUGE, ROUGE COMPACT, DENTAL CREAM, HAIR TONIC, AND LIQUID HAIR SHAMPOO; AND CERTAIN NAMED MEDICINAL PREPARATIONS. Registered April 24, 1923. PERKINS PRODUCTS CO., Hastings, Nebr. Renewed April 24, 1943, to Perkins Products Co., Chicago, Ill., a corporation of Illinois, assignee.

179,034. **ROSSWEIL.** HOSIERY. Registered February 5, 1924. WEILER & PENDLETON, Baltimore, Md. Renewed February 5, 1944, to Herbert E. Pendleton, Ephrata, Pa., assignee.

183,097. **"DESERT GOLD" AND DESIGN.** MILK, BUTTERMILK, CREAM, AND CREAMED COTTAGE CHEESE. Registered April 22, 1924. RIO GRANDE VALLEY DAIRY ASSOCIATION. Renewed April 22, 1944, to Price's Creameries, Inc., El Paso, Tex., a corporation of Texas, assignee by mesne assignments.

183,769. **AMBASSADOR.** MEN'S CLOTHING, CONSISTING OF SUITS AND OVERCOATS. Registered May 6, 1924. JACOB HERMAN, doing business as J. Herman Co. Renewed May 6, 1944, to Ambassador Clothes, Inc., New York, N. Y., a corporation of New York, assignee.

184,303. **HANDCRAFT.** HORNS, SAXAPHONES, AND CLARIONETS. Registered May 20, 1924. THE MARTIN BAND INSTRUMENT COMPANY, Elkhart, Ind., a corporation of Indiana. Renewed May 20, 1944.

184,686. **S AND W CALASIA.** WHOLE FIGS CANNED, PRESERVING NATURAL FLAVOR OF FRESH FIGS. Registered May 27, 1924. SUSSMAN, WORMSER & Co. Renewed May 27, 1944, to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California, by change of name.

184,767. **MOORLAND.** ZEPHYR GINGHAMS IN THE PIECE. Registered June 3, 1924. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 3, 1944.

184,968. **"APEX" AND DRAWING.** CREAM-SEPARATOR OIL, AXLE GREASE, AND LUBRICATING OIL FOR AUTOMOBILES. Registered June 3, 1924. CASSETTY OIL AND GREASE CO. Renewed June 3, 1944, to Southern Oil Service, Nashville, Tenn., a corporation of Tennessee, assignee by mesne assignments.

185,008. **1000.** ENVELOPES; LETTER PAPER, INCLUDING LETTERHEADS; BLANK BOOKS, BINDERS, AND LOOSE LEAVES THEREFOR; PRINTED, LEGAL, ACCOUNT, AND INDEX FORMS AND BLANKS; CHECKS, DRAFTS, NOTES, AND BANKERS' FORMS FOR NOTICES, STATEMENTS, APPLICATIONS, AND CORRESPONDENCE; AND ALSO TYPEWRITER PAPER. Registered June 3, 1924. CURTIS 1000 INCORPORATED, St. Paul, Minn., a corporation of Minnesota. Renewed June 3, 1944.

185,225. **NUTRADIET.** CANNED FRUITS AND VEGETABLES. Registered June 10, 1924. SUSSMAN, WORMSER & Co. Renewed June 10, 1944, to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California, by change of name.

185,413. **MARTINI.** WINES, SPARKLING WINES, AND WINE VERMUTH. Registered June 17, 1924. MARTINI & ROSSI, Turin, Italy. Renewed June 17, 1944, to W. A. Taylor & Company, Detroit, Mich., a corporation of New York, assignee.

185,426. **"BLUE HILL" AND DRAWING.** CANDY. Registered June 17, 1924. OTTO P. CATSIGIANIS, doing business as Blue Hill Candy Co., St. Louis, Mo. Renewed June 17, 1944.

185,619. **H A.** GLASSWARE—NAMELY, TUMBLERS, DISHES, AND GLASSES. Registered June 24, 1924. HAZEL-ATLAS GLASS COMPANY, Wheeling, W. Va., a corporation of West Virginia. Renewed June 24, 1944.

186,809. **"MOTHER'S BRAND" AND DESIGN.** CANNED SOUPS. Registered July 22, 1924. HELEN F. WILLIAMS & COMPANY, Washington, D. C. Renewed July 22, 1944, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee.

186,851. **"J. E. B." BEST GILLING.** TWINE. Registered July 22, 1924. J. E. BARBOUR COMPANY, Paterson, N. J. Renewed July 22, 1944, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

187,199. **FLAVORY.** MACARONI, SPAGHETTI, ELBOW MACARONI, ELBOW SPAGHETTI, EGG NOODLES, PLAIN NOODLES. Registered July 29, 1924. THE FOULDS MILLING COMPANY, doing business as The National Macaroni Company, Chicago, Ill. Renewed July 29, 1944, to The Foulds Milling Company, Libertyville, Ill., a corporation of Ohio.

187,497. **REPRESENTATION OF THE HOOD OF A MOTOR TRUCK.** MOTOR TRUCKS. Registered August 5, 1924. INTERNATIONAL MOTOR COMPANY. Renewed August 5, 1944, to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware, by change of name.

187,779. **BARBRAID.** THREAD. Registered August 12, 1924. J. E. BARBOUR COMPANY, Paterson, N. J. Renewed August 12, 1944, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

187,917. **RID-JID.** IRONING TABLES. Registered August 12, 1924. RID-JID PRODUCTS CORPORATION, Chicago, Ill. Renewed August 12, 1944, to The J. R. Clark Company, Minneapolis, Minn., a corporation of Minnesota, successor.

187,959. **SOOTHA-LINE.** SKIN CREAM. Registered August 12, 1924. WORLD'S DISPENSARY MEDICAL ASSOCIATION. Renewed August 12, 1944, to Pierce's Proprietaries, Inc., Buffalo, N. Y., a corporation of New York, by change of name.

188,137. **ANTAEUS.** SEWING MACHINES. Registered August 19, 1924. UNION SPECIAL MACHINE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 19, 1944.

188,138. **HERAKLES.** SEWING MACHINES. Registered August 19, 1924. UNION SPECIAL MACHINE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 19, 1944.

188,143. **PROSSER.** BOILER-TUBE EXPANDERS. Registered August 19, 1924. THOMAS PROSSER & SON. Renewed August 19, 1944, to Roger D. Prosser, doing business as Thomas Prosser & Son, New York, N. Y., assignee.

188,601. **OSAGE.** TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. Registered September 2, 1924. SCHERMERHORN BROS. CO., Chicago, Ill., a corporation of Illinois. Renewed September 2, 1944.

188,602. **LAUREL.** TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. Registered September 2, 1924. SCHERMERHORN BROS. CO., Chicago, Ill., a corporation of Illinois. Renewed September 2, 1944.

188,633. **BUILDING AGE AND THE BUILDERS' JOURNAL.** MONTHLY MAGAZINE. Registered September 2, 1924. BUILDING AGE AND THE BUILDERS' JOURNAL. Renewed September 2, 1944, to Simmons-Boardman Publishing Corporation, New York, N. Y., a corporation of Delaware, successor.

188,774. **STANDBY.** TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. Registered September 2, 1924. SCHERMERHORN BROS. CO., Chicago, Ill., a corporation of Illinois. Renewed September 2, 1944.

189,004. **"J. E. B." BEST GILLING.** THREAD. Registered September 9, 1924. J. E. BARBOUR COMPANY, Paterson, N. J. Renewed September 9, 1944, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

189,194. **CONDOR.** LADIES' AND CHILDREN'S HATS. Registered September 16, 1924. J. & K. CONNOR, LIMITED, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed September 16, 1944.

189,258. **"ONYX" AND DRAWING.** HOSIERY. Registered September 16, 1924. "ONYX" HOSIERY INC. Renewed September 16, 1944, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

189,259. **"ONYX".** HOSIERY. Registered September 16, 1924. "ONYX" HOSIERY INC. Renewed September 16, 1944, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

189,534. **GOLDEN PHEASANT.** SNUFF AND SMOKING TOBACCO. Registered September 23, 1924. THE ROBERT SINCLAIR TOBACCO COMPANY, LIMITED, Newcastle-on-Tyne, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed September 23, 1944.

189,562. **"THE TATLER" AND DRAWING.** SMOKING, CHEWING, AND SNUFFING TOBACCO, CIGARS, AND CIGARETTES. Registered September 23, 1924. CARRERAS LIMITED. Renewed September 23, 1944, to Carreras Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee by mesne assignments.

189,593. **COSMOS.** CANNED FRUITS AND VEGETABLES, DRIED FRUITS, BREAKFAST CEREALS, JAMS, JELLIES, HONEY, FOOD-FLAVORING EXTRACTS, BIRDSEEDS. Registered September 23, 1924. SUSSMAN, WORMSER & Co. Renewed September 23, 1944, to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California, by change of name.

189,674. **DELPHIA.** CANNED FIGS. Registered September 23, 1924. SUSSMAN, WORMSER & Co. Renewed September 23, 1944, to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California, by change of name.

189,911. **MUFFETS.** BISCUITS AND PATTY SHELLS FORMED OF WHOLE WHEAT. Registered September 30, 1924. SCOTT H. PERRY, doing business as The Muffets Company, New York, N. Y. Renewed September 30, 1944, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee by mesne assignments.

189,922. **"SUNSET" AND DRAWING.** DIAMOND FLOOR PAINT, PAINT ENAMELS, FACTORY WHITE, ENAMEL UNDERCOAT, PEERLESS OIL STAIN, AUTO ENAMEL, HOUSEHOLD ENAMEL, WAGON PAINT, LINOLEUM FINISH, VARNISH STAIN, #8 RUBBED VARNISH, GOLD PAINT, ALUMINUM PAINT, B VARNISH, FLOOR VARNISH, FULL LUSTER VARNISH, AND OTHER CERTAIN NAMED PAINTERS' MATERIALS. Registered September 30, 1924. SUNSET PAINT COMPANY, Los Angeles, Calif. Renewed September 30, 1944, to Pittsburgh Plate Glass Company of Michigan, Pittsburgh, Pa., a corporation of Michigan, assignee.

189,989. **ESPLEN-D'OR.** ARTIFICIAL-SILK THREAD OR YARN. Registered September 30, 1924. PERI-LUSTA, LIMITED, Leek, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed September 30, 1944.

190,192. **"WINTER-TEX" AND DRAWING.** MEN'S AND CHILDREN'S OVERCOATS. Registered October 7, 1924. COHEN, GOLDMAN & CO., INC., New York, N. Y., a corporation of New York. Renewed October 7, 1944.

190,296. **ROADGRIPPER.** TIRES COMPOSED WHOLLY OR PARTIALLY OF RUBBER. Registered October 14, 1924. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Renewed October 14, 1944.

190,518. **PYREX.** NURSING BOTTLES. Registered October 14, 1924. CORNING GLASS WORKS. Renewed October 14, 1944, to Corning Glass Works, Corning, N. Y., a corporation of New York, assignee by mesne assignments.

190,882. **RICH N X T.** POPPET VALVES FOR INTERNAL-COMBUSTION ENGINES. Registered October 28, 1924. RICH TOOL COMPANY, Chicago, Ill. Renewed October 28, 1944, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, assignee by mesne assignments.

190,887. **SUPER-SPECTRA.** BLACK PIGMENTS FOR PAINTS AND VARNISHES. Registered October 28, 1924. BINNEY & SMITH COMPANY. Renewed October 28, 1944, to Columbian Carbon Company, New York, N. Y., a corporation of Delaware, assignee.

190,899. **TOPSALL.** CANNED FRUITS AND CANNED VEGETABLES. Registered October 28, 1924. MANTECA CANNING COMPANY, Manteca, Calif., a corporation of California. Renewed October 28, 1944.

191,221. **"SYLKLYN" AND DESIGN.** DRESS AND SUITING LINENS IN THE PIECE. Registered November 4, 1924. ROBERT MCBRATNEY & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed November 4, 1944.

191,239. **DUPLEX.** PISTON RINGS AND PISTON-RING SPRINGS. Registered November 4, 1924. HUNT-SPILLER MANUFACTURING CORPORATION, Boston, Mass., a corporation of Massachusetts. Renewed November 4, 1944.

191,251. **REPRESENTATION OF A HERALD.** ANNOUNCEMENT PAPER, CARDS, AND MAILING ENVELOPES. Registered November 4, 1924. AMERICAN WRITING PAPER COMPANY. Renewed November 4, 1944, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware, assignee by mesne assignments.

191,283. **REDLAND W.** FRESH PEACHES. Registered November 4, 1924. D. C. WESTBROOK, Rover and Griffin, Ga. Renewed November 4, 1944, to D. C. Westbrook, Griffin, Ga.

191,364. **GOLD WING.** FRESH CITROUS FRUITS—NAMELY, FRESH ORANGES. Registered November 4, 1924. FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif., a corporation of California. Renewed November 4, 1944.

191,365. **RED WING.** FRESH CITROUS FRUITS—NAMELY, FRESH ORANGES. Registered November 4, 1924. FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif., a corporation of California. Renewed November 4, 1944.

191,373. **CRUSH.** FOOD AND ICE-CREAM FLAVORS. Registered November 4, 1924. ORANGE-CRUSH COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 4, 1944.

191,418. **JIM VAUGHAN.** ELECTRICALLY OPERATED MEAT AND BONE CUTTING MACHINES. Registered November 11, 1924. VAUGHAN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 11, 1944.

191,425. **"PAPEREX" AND DESIGN.** LEAD PENCILS. Registered November 11, 1924. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed November 11, 1944.

191,468. **MERDOC.** MEDICINAL PREPARATION—NAMELY, A GERMICIDE AND DEODORANT USED AS A WASH FOR THE TEETH, MOUTH, NOSE AND THROAT. Registered November 11, 1924. OTTO H. MILLER, doing business as Merdoc Chemical Co., Wilmington, Del. Renewed November 11, 1944.

191,481. **THE MASTER MASON.** MONTHLY MAGAZINE. Registered November 11, 1924. THE MASONIC SERVICE ASSOCIATION OF THE UNITED STATES, Washington, D. C., an association. Renewed November 11, 1944.

191,507. **ARMATITE.** FABRICATED COMPOSITE MATERIALS IN THE FORM OF SHEETS AND STRIPS FOR ELECTRICAL INSULATION PURPOSES. Registered November 11, 1924. MICA INSULATOR COMPANY, New York, N. Y., a corporation of New Jersey. Renewed November 11, 1944.

191,508. **AVALON.** TOILET TISSUE PAPER. Registered November 11, 1924. NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Renewed November 11, 1944, to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada, assignee.

191,513. **REX.** CORN FLOUR PREPARATION FOR CORE AND FACING BINDER. Registered November 11, 1924. THE PATENT CEREALS COMPANY, Geneva, N. Y., a corporation of New York. Renewed November 11, 1944.

191,535. **AMERSEAL.** METAL CAPS AND CLOSURES. Registered November 11, 1924. AMERICAN METAL CAP CO., Brooklyn, N. Y. Renewed November 11, 1944, to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware, assignee by mesne assignments.

191,606. **"SIPSEY COAL EXCELS" AND DESIGN.** COAL. Registered November 11, 1924. DE BARDELEBEN COAL CORPORATION, Birmingham, Ala., a corporation of Delaware. Renewed November 11, 1944.

191,610. **GLASCO.** ELECTRICAL DEVICES, SUPPLIES, AND EQUIPMENT—NAMELY, INSULATED ELECTRIC WIRE, INSULATORS, INSULATION TAPE, SWITCH AND JUNCTION BOXES, FUSES, SOCKETS, SWITCHES, AND ELECTRICAL RECEPTACLES, BRANCH BLOCKS, CONDUITS, CABLES, GUARDS, LAMPS, BULBS, AND OTHER CERTAIN NAMED ELECTRICAL APPARATUS. Registered November 11, 1924. GLASCO ELECTRIC COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed November 11, 1944.

191,702. **RANGER.** PAPER SHOT SHELLS AND METAL CARTRIDGES. Registered November 18, 1924. WINCHESTER REPEATING ARMS COMPANY. Renewed November 18, 1944, to Western Cartridge Company, New Haven, Conn., a corporation of Delaware, assignee by mesne assignments.

191,719. **DENTU-CREME.** PREPARATION FOR CLEANING AND POLISHING FALSE TEETH, DENTAL TEETH PLATES, AND DENTAL BRIDGEWORK. Registered November 18, 1924. THE L. D. CAULK COMPANY, Milford, Del. Renewed November 18, 1944, to Wernet Dental Mfg. Co., Inc., Jersey City, N. J., a corporation of Delaware, assignee.

191,722. **RANGER.** SHOT SHELLS AND CARTRIDGES. Registered November 18, 1924. FEDERAL CARTRIDGE CORP., Minneapolis, Minn., assignor to Winchester Repeating Arms Company. Renewed November 18, 1944, to Western Cartridge Company, New Haven, Conn., a corporation of Delaware, assignee by mesne assignments.

191,728. **BRADCRÉPA.** COTTON, SILK, AND WOOLEN PIECE GOODS. Registered November 18, 1924. BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I., a corporation of Rhode Island. Renewed November 18, 1944.

191,736. **"PAR-VALUE" AND DESIGN.** HOSIERY. Registered November 18, 1924. LEVI STRAUSS AND COMPANY, San Francisco, Calif., a corporation of California. Renewed November 18, 1944.

191,743. **GORGEOUS.** FRESH CITROUS FRUITS—NAMELY, FRESH ORANGES. Registered November 18, 1924. FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif., a corporation of California. Renewed November 18, 1944.

191,758. **ARROW.** PARTLY-FINISHED AND IN THE WHITE, WOODEN GOLF HEADS, GOLF DOWELS, GOLF SHAFTS, GOLF SQUARES, BASEBALL-BAT BLANKS, BASEBALL BATS, GOLF-STICK-PARTS TURNINGS, GOLF-STICK-PARTS DIMENSIONS, AND BASEBALL-BAT DIMENSIONS. Registered November 18, 1924. GOLF SHAFT AND BLOCK COMPANY. Renewed November 18, 1944, to C. F. Work & Sons, Inc., Memphis, Tenn., a corporation of Delaware, by change of name.

191,763. **"PAY CAR 'GOOD AS GOLD'" AND DRAWING.** SMOKING AND CHEWING TOBACCO AND CIGARETTES. Registered November 18, 1924. THE PINKERTON TOBACCO CO., Toledo, Ohio, a corporation of Ohio. Renewed November 18, 1944.

191,809. **ELASTEX.** ELASTIC WEBBING. Registered November 18, 1924. CONANT, HOUGHTON & CO. INC., New York, N. Y. Renewed November 18, 1944, to United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts, assignee.

191,811. **LINLAWN.** MEN'S NEGLIGEE AND DRESS SHIRTS AND COLLARS. Registered November 18, 1924. EARL & WILSON. Renewed November 18, 1944, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York, assignee.

191,812. **MADRALAWN.** MEN'S NEGLIGEE AND DRESS SHIRTS AND COLLARS. Registered November 18, 1924. EARL & WILSON. Renewed November 18, 1944, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York, assignee.

191,819. **"MOUNTAINEER" AND DESIGN.** FRESH DECIDUOUS FRUITS. Registered November 18, 1924. H. W. MILLER & L. P. MILLER. Renewed November 18, 1944, to Consolidated Orchard Co., Paw Paw, W. Va., a corporation of West Virginia, assignee.

191,820. **ROBINSON CRUSOE.** ROASTED PEANUTS IN PACKAGE AND BULK AND SALTED PEANUTS IN PACKAGE AND BULK. Registered November 18, 1924. H. A. ROBINSON COMPANY, INC., Lynchburg, Va., a corporation of Virginia. Renewed November 18, 1944.

191,836. **PEP-ELIXO.** MEDICINAL TONIC FOR RELIEF OF DYSPEPSIA, INDIGESTION, RHEUMATISM, HEART TROUBLE, CONSTIPATION, AND KIDNEY AND BLADDER AILMENTS. Registered November 18, 1924. ADOLPH NELSON GAEBLER, St. Louis, Mo. Renewed November 18, 1944.

191,842. **"'MADE GOOD' SINCE 1899" AND DESIGN.** WORK SHIRTS. Registered November 18, 1924. SALANT & SALANT, INC., New York, N. Y., a corporation of New York. Renewed November 18, 1944.

191,843. **"UNCLE SAM CIRCLES THE GLOBE" AND DRAWING.** WORK SHIRTS. Registered November 18, 1924. SALANT & SALANT, INC., New York, N. Y., a corporation of New York. Renewed November 18, 1944.

191,852. **ZIP.** LUBRICANTS COMPRISING OILS AND GREASES. Registered November 18, 1924. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa. Renewed November 18, 1944, to The Pennzoil Company, Los Angeles, Calif., a corporation of California, assignee.

191,853. **"DEARMAID" AND DESIGN.** CHILDREN'S TOY VEHICLES, TOY FURNITURE, HOBBYHORSES, DOLLS, MECHANICAL TOYS, TOY MUSICAL INSTRUMENTS, TOY GOLF SETS, BASEBALL AND FOOTBALL GAMES, BUILDING BLOCKS, AND POOL TABLES. Registered November 18, 1924. THE DEARBORN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 18, 1944.

191,860. **ICELAND.** SUGAR-WAFER BAR. Registered November 18, 1924. INDEPENDENT BAKING COMPANY, Davenport, Iowa, a corporation of Iowa. Renewed November 18, 1944.

191,868. **SILVER BUCKLE.** CANNED FRUITS, CANNED BERRIES, CANNED VEGETABLES, CANNED SALMON, CANNED SHRIMP, CANNED APPLE SAUCE, EVAPORATED MILK, COFFEE, AND POWDERED SUGAR. Registered November 18, 1924. E. R. GODFREY & SONS CO., Milwaukee, Wis., a corporation of Wisconsin. Renewed November 18, 1944.

191,881. **PALCO.** PACKINGS FOR THE WEARING AND BEARING PARTS OF MACHINES AND MECHANICAL DEVICES, BEING PACKINGS MADE OF COTTON YARN LUBRICATED WITH A GRAPHITE GREASE LUBRICANT. Registered November 18, 1924. GREENE, TWEED & CO., New York, N. Y., a corporation of New York. Renewed November 18, 1944.

191,892. **VIM.** CEREAL BREAKFAST FOOD. Registered November 18, 1924. KELLOGG COMPANY, Battle Creek, Mich., a corporation of Delaware. Renewed November 18, 1944.

REISSUES

JULY 18, 1944

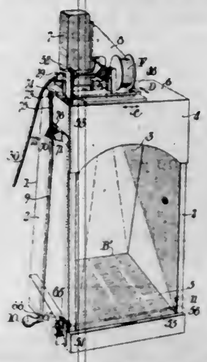
22,517

DEVICE FOR PRODUCING ENLARGED IMAGES

Roy S. Hopkins, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Original No. 2,008,982, dated July 23, 1935, Serial No. 709,352, February 1, 1934. Application for reissue May 25, 1944, Serial No. 537,354

12 Claims. (Cl. 88—24)



1. In a device for reading enlarged images, the combination with a source of light, of an optical system including an objective, a film holder and a screen, said objective being adapted to produce an image carried by the film on the screen, and a carriage for said film holder mounted to move said holder both laterally and transversely with respect to the optical system for enlarging selected areas of a negative upon the screen and a manually operable lever connected to the film holder carriage, a pivotal mount for said lever, a handle connected to the lever by which the position of the carriage relative to the optical system may be adjusted at will.

22,518

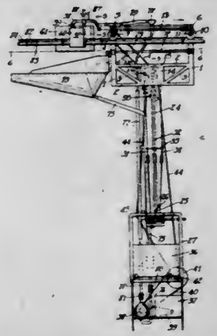
APPARATUS FOR APPLYING PROTECTIVE COATINGS TO SUSPENDED WIRES, CABLES, PIPES, AND THE LIKE

Joseph R. McMahon and Elwood C. Springfield, Glendale, W. Va.

Original No. 2,264,048, dated November 25, 1941, Serial No. 308,340, December 9, 1939. Application for reissue May 13, 1942, Serial No. 442,862

10 Claims. (Cl. 91—44)

6. Apparatus for applying protective coating material to an elongated pole supported member and embodying therein a frame structure having upper and lower portions, trolley wheels carried by the upper portion of the frame structure and adapted for propelled engagement with said member, means providing a telescopic connection between the upper and lower portions of said frame structure, means carried by the upper portion of the frame structure for spraying coating material toward said member, a coating material reservoir carried by one portion of said frame structure, a conduit for delivering coating material from said reservoir to said spraying means, power means carried by said lower portion of the frame structure, and means connecting said



power means and said trolley wheels and operative to transmit power therebetween in several relatively telescoped positions of said upper and lower portions of said frame structure.

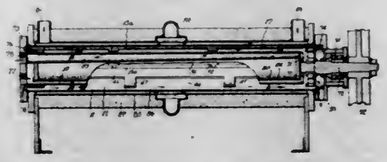
22,519

PROCESSING APPARATUS

Bruce De Haven Miller and Henry W. Bevarly, Louisville, Ky., assignors to The Girdler Corporation, Louisville, Ky., a corporation of Delaware

Original No. 2,281,944, dated May 5, 1942, Serial No. 307,778, December 6, 1939. Application for reissue May 1, 1943, Serial No. 485,400

21 Claims. (Cl. 259—9)



1. An apparatus for processing flowable material comprising inner and outer drums defining therebetween an annular chamber for the material to be treated, a hollow shaft in said chamber encircling said inner drum, and having a pair of ports circumferentially spaced thereon, scrapers each having an edge abutting against the wall of said shaft within a corresponding one of said ports whereby the scraper may swing radially in respect to said wall and be readily removable therefrom, one of said scrapers being outside of said shaft for scraping the material from the inner surface of the outer drum and directing it radially inwardly through the corresponding port toward the inner drum, and the other of said scrapers being inside of said shaft for scraping the material from the outer surface of the inner drum and directing it radially outwardly through the corresponding port toward the outer drum.

PATENTS

GRANTED JULY 18, 1944

2,353,628
ELECTRIC CONNECTOR
Milton Alden, Brockton, Mass.
Original application August 3, 1940, Serial No. 350,485. Divided and this application March 11, 1942, Serial No. 434,274
5 Claims. (Cl. 173—332)



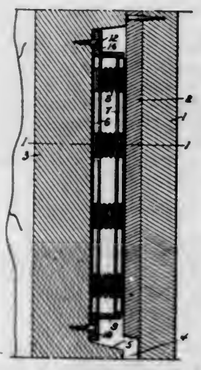
3. A radio socket comprising a tubular metallic shield member having a cylindrical shell with inturned resilient fingers for gripping the body of an inserted plug and shielding the same and an insulating body having recesses containing contacts to be engaged by the prongs of the inserted plug, said shield member embracing said body around said contacts and shielding the circuits thereof.

2,353,629
ILL DISPENSING CONTAINER
Huna L. Apfelbaum, Brooklyn, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application November 9, 1942, Serial No. 465,015
2 Claims. (Cl. 206—42)



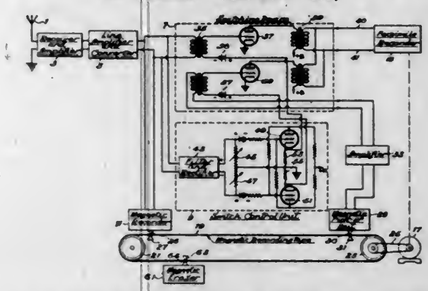
1. A two piece dispensing container of the pocket type formed of non-metallic and substantially rigid plastic material comprising a first elongated tubular container part having a wall of the same cross sectional size and shape throughout its length, one end of said part being closed and the other end being open, said wall having a longitudinal slot therein extending from the end edge surrounding the open end toward the closed end, the slot having a constricted portion slightly below and adjacent said end edge, said wall also having an opening therein extending downwardly from said end edge a distance less than the length of the slot, the opening being in circumferentially spaced relation to the slot and cooperating with said slot to reduce the rigidity of the end edge portion of the wall thereby to permit the finger piece hereinafter mentioned to be forced downwardly through the constricted portion of the slot and into the lower portion of the slot, the wall between the slot and the opening yielding sufficiently for that purpose, and a second elongated tubular cap part having a wall of the same cross sectional size and shape throughout its length, one end of the cap part being closed and having a thickness greater than that of the wall of said cap part, the inner and outer surfaces of said end being flat and substantially parallel, the other end being open, the cap part being longitudinally slidable in the container part manually upwardly and downwardly and being inserted thereinto with the flat closed end of the cap part exposed and accessible to the finger of the user and the open end down, said cap part having a finger piece projecting radially therefrom and of greater length than its height and passing through the slot and slidable therein, said finger piece constituting the sole cap moving member and cooperating with the slot to constitute the sole means for preventing relative rotation of said parts, said cap part having an opening in the wall thereof extending from the open end thereof upwardly and in registration with the opening in the container part when the finger piece is arranged at the top of the slot, the outer surface of the end of the cap part being normally coplanar with the end edge of the container part, the finger piece being normally arranged at the bottom of the slot and the opening in each part being normally closed by the other part, and the cap part being otherwise entirely concealed within the container part.

2,353,630
SASH BALANCE
Russell Berry, Royal Oak, Mich.
Application April 24, 1942, Serial No. 440,381
1 Claim. (Cl. 292—74)



A sash balance comprising two strips each having an undercut channel extending from end to end, one of said strips constituting a base strip for being secured to a window sash and the other of which is a floating strip for contacting a fixed part of a window frame or jamb, a plurality of coil springs each slidably having their respective ends held in said grooves, said springs holding said strips assembled, the base strip being longer than the other strip and having holes adjacent its ends, and abutment lugs to engage in the ends of said base strip and having holes, and means passing through said holes for securing said abutment lugs in place and for securing the base strip to the window sash.

2,353,631
IMAGE REPRODUCING APPARATUS
Warren H. Bliss, Orono, Maine, assignor to Radio Corporation of America, a corporation of Delaware
Application October 2, 1941, Serial No. 413,285
11 Claims. (Cl. 178—6.6)



1. A picture reproducing apparatus comprising means to receive picture signals, means to produce a pictorial record of the received signals and means to produce a non-pictorial record of the received signals, and means for converting the non-pictorial record into a pictorial record at time periods when the signal strength received falls below a predetermined average value necessary to produce the pictorial record.

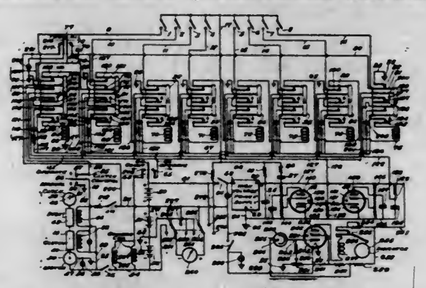
2,353,632
CARTRIDGE LINK MANUFACTURE
Alwyn E. Borton, South Orange, N. J., assignor to Associated Patentees, Inc., Ampere, N. J., a corporation of New Jersey
Application December 18, 1941, Serial No. 423,467
4 Claims. (Cl. 59—8)



1. The method of manufacturing cartridge links from the full width of strip stock, which comprises slotting intermediate portions of the strip to outline along the center of the strip, a single intermediate tongue for one blank and spaced end tongues along the extreme edges of the strip, connected by a bridge portion across the center of the strip for an adjoining blank and a narrow intermediate connecting tie between the end of said single intermediate tongue of one blank and the bridge portion connecting the end tongues of said adjoining blank, trimming excess intervening material between the intermediate tongue outlined for one blank, the end tongues of the adjoining blank and the narrow tie connecting the blanks, severing the tie connecting the blanks, bending the tongues of the severed blank to cartridge embracing loop formation, by indenting the bridge portion of the severed blank in one direction and then curling the ends of the tongues around in the same direction.

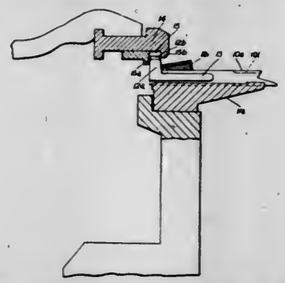
2,353,633
RECORDING APPARATUS
Chester W. Caldwell, West Lafayette, and Arthur K. Branham, La Fayette, Ind.
Application November 30, 1942, Serial No. 467,420
18 Claims. (Cl. 234—36.5)

1. A recording device comprising a recording element, a time indicating device, a plurality of switching units each adapted to close momentarily in sequence to indicate an event to be recorded, a series of electrical relay elements individually responsive to each switching operation, means controlled by the operation of the first of the relays to initiate operation of the time indi-



cating device, means controlled by each relay when operated to produce a response of the recording element to represent and record the instantaneous indications of the said time indicating device at the time of each relay operation.

2,353,634
KNITTING MACHINE AND SINKER
William Arthur Cooper, Loughborough, England, assignor to William Cotton Limited, Loughborough, England
Application August 25, 1943, Serial No. 499,979
In Great Britain June 18, 1942
4 Claims. (Cl. 66—110)



1. In a Cotton's patent or other straight bar knitting machine, single-butt sinkers, and a grooved catch bar for manipulating them, which sinker butts are tapered in width and which catch bar groove is correspondingly tapered in section.

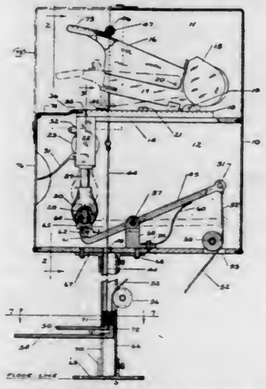
2,353,635
CATHODE FOR DISCHARGE TUBES
John O. Aicher, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application February 11, 1941, Serial No. 378,347
1 Claim. (Cl. 250—27.5)



In an alternating current low pressure gaseous electric arc discharge device of the type containing an electrode which serves alternately as cath-

ode and anode and comprises a coiled wire filament having an appreciable voltage drop between its ends and an electron emissive coating of alkaline earth oxide thereon and which, during operation, normally creates disturbances interfering with radios in its vicinity, means for materially suppressing the radio interference comprising particles of free metal selected from the group consisting of platinum and palladium distributed throughout the emissive coating and providing a good conducting surface over the electrode.

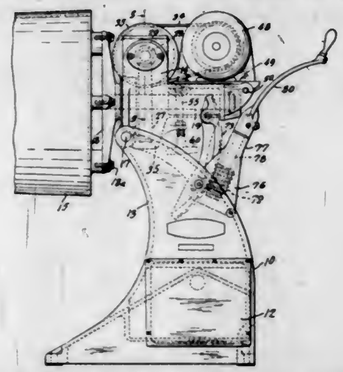
2,353,636
GARMENT TAG FIXING AND MARKING DEVICE
Earl L. Bailey, San Francisco, Calif.
Application September 21, 1942, Serial No. 459,183
2 Claims. (Cl. 93—88)



1. A garment tag fixing and numbering device of the character described, comprising a housing, a stapling machine horizontally positioned in the upper portion thereof, said stapling machine including an inverted channel-shaped base member and an elongated stapling member pivotally mounted thereon, a numbering machine invertedly positioned underneath the stapling machine, said numbering machine including a vertical U-shaped frame and an elongated vertical numbering member slidably mounted thereon, the upper end portion of said U-shaped frame being mounted into the channel portion of said base member and secured to the sides thereof, a slot in said base for admitting the tag to the stapling area on the top face thereof, a guide member interposed between the numbering machine and the base in proximity to said slot for receiving and positioning the tag to be stapled and numbered, and means including a foot pedal whereby the stapling member is forced downwardly and the numbering member is forced upwardly in synchronism for stapling the tag to the garment and numbering the tag simultaneously.

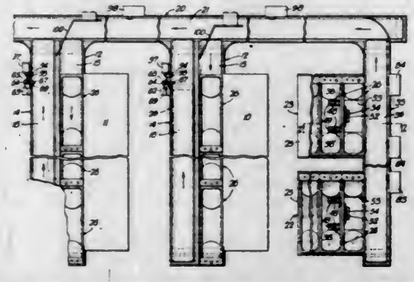
2,353,637
TUMBLING BARREL
Leslie W. Barnes, Long Hill, Conn., assignor to The Baird Machine Company, Stratford, Conn., a corporation of Connecticut
Application August 9, 1941, Serial No. 406,095
11 Claims. (Cl. 51—164)

1. A tumbling barrel comprising a stand, a housing mounted on said stand to swing in a vertical plane, a main drive shaft in the housing, a barrel for the work mounted on the shaft, a worm gear on the shaft, said housing having a sump for oil below the shaft into which the lower part of the gear extends, bearings in the housing for the shaft on opposite sides of the gear, a



worm meshing with the gear at the upper part thereof above the shaft, inner walls of the housing being arranged to collect oil thrown laterally by the worm and conduct it to the bearings, and means for driving the worm.

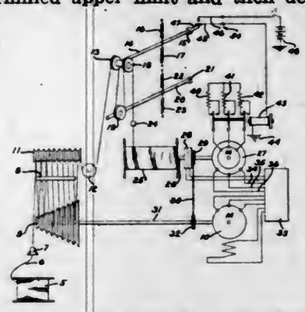
2,353,638
CONVEYER SYSTEM
Ezra J. Beaulieu, Downers Grove, Loren E. Bennett, Hinsdale, and Paul S. McCann, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 10, 1942, Serial No. 438,452
10 Claims. (Cl. 198—19)



1. In a conveyer system, a plurality of article handling stations, a conveyer for conveying articles to said stations, a plurality of article storage units adjacent to said conveyer, and means actuated by articles leaving said stations for selectively actuating said storage units to release articles therefrom for delivery to said stations.

2,353,639
METHOD OF AND APPARATUS FOR CONTROLLING SPOOLING MOTORS
Wolf Berthold, Weehawken, and Wilson W. Rea, Chatham, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 28, 1941, Serial No. 420,768
14 Claims. (Cl. 242—45)

1. A method of controlling the tension of a strand in a takeup mechanism which comprises increasing the tension until it reaches a predetermined upper limit and then decreasing



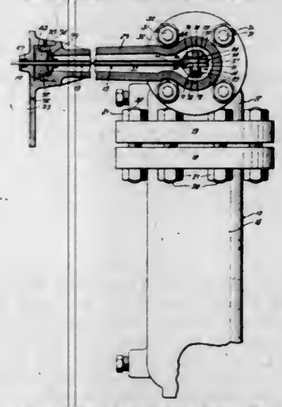
the tension a predetermined amount for a predetermined time, and repeating these steps to obtain a selected average tension.

2,353,640
APPARATUS FOR MAKING TUFTS FOR TUFTED RUGS
James A. Bishop, Bridgeville. Pa.
Application February 2, 1944, Serial No. 520,814
5 Claims. (Cl. 28—2)



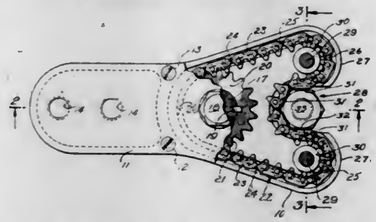
1. A tufting frame comprising a base and side walls, forming parallel grooves for receiving strands of yarn and having a grooved tongue coextensive with and extending above the side walls thereof, said side walls and tongue have transverse slots of substantial depth and of a width to receive cutting shears and having intermediate relatively narrow and shallow slots for receiving a single strand of yarn, the spacing of said transverse slots corresponding to the length of the tufts when severed.

2,353,641
LIQUID LEVEL RESPONSIVE MEANS
Glenn F. Brockett, Marshalltown, Iowa, assignor to Fisher Governor Company, Marshalltown, Iowa, a corporation of Iowa
Application February 9, 1942, Serial No. 430,161
3 Claims. (Cl. 137—104)



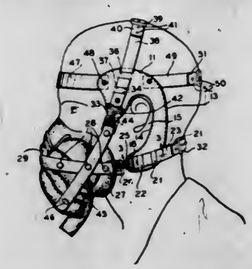
2. A device of the character described comprising a liquid containing housing, a float in the housing, a tube anchored to the wall of the housing to project therein, the tube being adapted to be flexed about its longitudinal axis, a lever for the float, a member on the inner end of the tube having a downwardly facing recess, a hook clamp on the lever hooked over the member to connect the lever with the tube, an upstanding bearing part in the housing engaged in the recess to support the inner portion of the tube for flexure on its longitudinal axis, and a shaft secured to the inner portion of the tube to turn upon flexure of the tube and extending outwardly through the tube.

2,353,642
CHAIN WRENCH
Albert A. Buice, Atlanta, Ga.
Application February 14, 1942, Serial No. 430,876
8 Claims. (Cl. 81—57)



1. In a wrench of the class described, a chain having its links formed with nut contacting surfaces, guide means for guiding said chain and controlling its path of movement, means for moving said chain in said path, said guide means being formed so that said chain links in a portion of said path are positioned by said guide means with their nut contacting surfaces outlining substantially the contour of the nut contacting surfaces of a conventional nut wrench, whereby said links in the said portion of said path may be applied against the faces of a polyangular nut in the manner of a wrench, so that movement of the said chain will rotate the said nut.

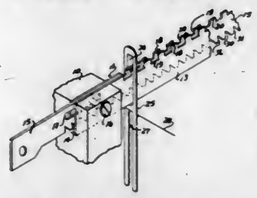
2,353,643
HEAD HARNESS FOR MASKS
Arthur H. Bulbulian, Rochester, Minn.
Application July 29, 1942, Serial No. 452,811
3 Claims. (Cl. 128—141)



1. In combination with supporting means on a mask body, a harness for holding the mask in position comprising a face-contacting member on each side of the head, said members having upper and lower portions and an intervening open portion for receiving the ear of a wearer, strapping means adapted to go over the head of the wearer slidably connected with the upper part of

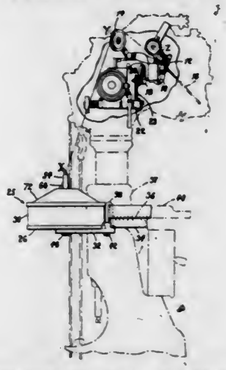
the face-contacting member, other strapping means adapted to pass around the neck of the wearer slidably connected with the lower part of the face-contacting member, and means for connecting the two sets of strapping means to the supporting means on the mask body.

2,353,644
WARP STOP MECHANISM FOR LOOMS
James H. Burgess, Marion, and Garrett W. Fender, Nebo, N. C.
Application February 2, 1944, Serial No. 520,736
2 Claims. (Cl. 139—365)



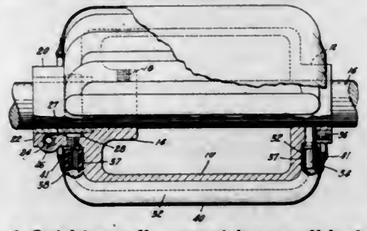
1. In a mechanical warp stop motion for looms having a detector bar and a detector bar holder, the detector bar holder having a longitudinal groove therein in which the detector bar is adapted to have reciprocatory movement, and serrations on the lower edge of the detector bar for moving lint and other foreign matter longitudinally of the detector bar holder to expel the lint and other foreign matter from one end of the detector bar, said detector bar and detector bar holder having teeth in their upper edges adapted to be engaged by a fallen drop wire, said serrations being spaced from each other to provide a flat surface between the serrations, one wall of the serrations being at right angles to the longitudinal center of the bar and the other wall of each serration being in a straight line and at an acute angle to the longitudinal center of the bar and bisecting the lower edge of the bar a substantial distance from the right angle sidewall of the next adjacent serration.

2,353,645
FASTENING FORMING MACHINE
Ernest Lindon Butler, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 11, 1941, Serial No. 401,986
3 Claims. (Cl. 1—20)



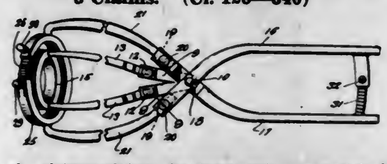
1. The combination with a fastener-forming machine having a guide roll and means located below the axis of rotation of said guide roll for feeding wire to the fastener-forming instrumentalities, of means carried by said machine for supporting a loosely wound coil of wire in a definite position with respect to and below said guide roll, and a rotary take-off means for uncoiling wire from said coil so that the wire passes tangent to the guide roll and thence to said feeding means.

2,353,646
FINISHING TOOL
Joseph C. Cantley, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 19, 1942, Serial No. 443,574
7 Claims. (Cl. 12—77)



1. A finishing roll, comprising a roll body having a plurality of grooves in its periphery extending longitudinally with respect to the axis of the roll body, and an elongated yieldable member seated in each of said grooves, each yieldable member having a thickness greater than the depth of its groove, whereby the yieldable members extend out of the grooves and beyond the periphery of said roll body and are thus capable of supporting a finishing cover at circumferentially spaced localities.

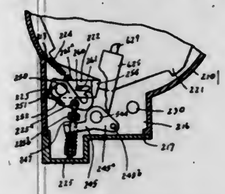
2,353,647
APPARATUS FOR PERFORMING CIRCUMCISIONS
Asa B. Carmichael, Tujunga, Calif.
Application September 19, 1942, Serial No. 458,964
3 Claims. (Cl. 128—346)



1. A circumcision instrument comprising an inner fixed ring, an outer adjustable ring, handles for manipulating the outer ring, means for holding the inner ring in concentric relation with respect to the outer ring, said outer ring being split and having a socket at one end and a ratchet extension at its other end disposed into the socket and detent means for engaging the ratchet structure.

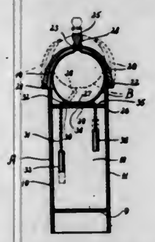
2,353,648
FREE-CHAIN PLANETARY HOIST
Fredrick W. Coffing, Danville, Ill., and Raymond H. Johnston, Newtown, Ind., assignors to Coffing Hoist Company, a copartnership consisting of Frederick W. Coffing and Robert R. Bookwalter
Application July 20, 1940, Serial No. 346,486
19 Claims. (Cl. 254—171)

18. In a free chain hoist, the combination with a load chain, a load holding ratchet, a load holding pawl constrained to locking engagement therewith, and a main control shaft, of arm means for rocking said shaft, and a yielding connection interposed between said pawl and said shaft for shaft release of said pawl permitting free chain action when no load is on the chain, the yielding connection including a member depending from and pivotally connected to the pawl, an arm rigid with the shaft, yielding means interposed between the member and arm and compressible upon shaft releasing movement for cushioning the arm pull upon the pawl to permit ratchet rotation in ratcheting direction to effect pawl clearance for pawl disengagement when the arm pull exceeds the pawl constraint, the depending member extending through an aperture in the arm, the yielding means being concentric with the depending member arm projecting portion, the



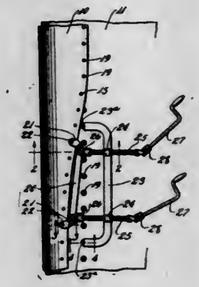
depending member above the arm including a bearing arrangement, the arm adjacent thereto including a bearing engageable fulcrum, the bearing arrangement being adjustable longitudinally of the depending member, the pawl including a pair of slidably associated members having limited sliding movement and normally constrained toward extended relation and when retracted in opposition to the constraint forming a "solid" pawl arrangement, a catch member carried by and movable with one of said slidably associated members, and a latch member movably associated with the other member and normally constrained to engage the catch member when in latching position, contraction movement in the pawl arrangement conditioning the latch-catch association for separation of the latch from the catch, and the depending member being pivoted directly to the latch member.

2,353,649
CONTAINER SUPPORT FOR PERFUME
William B. Cohen, St. Paul, Minn., assignor to Stuart Products Company, St. Paul, Minn., a corporation of Minnesota
Application April 22, 1940, Serial No. 330,905
1 Claim. (Cl. 206—44)



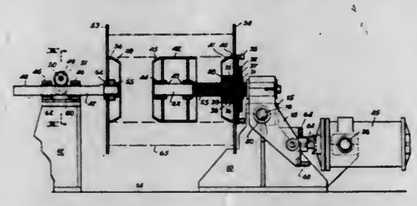
A perfume support comprising a hollow casing having a circular opening therethrough, said casing simulating in appearance a grandfather clock, a circular perfume container contained within said casing, the face of said perfume container being visible through said circular opening in said casing, arcuated closure means pivoted to said casing to enclose said container, said closure means coming in contact with said container, a cam, said cam pivoted to said casing and engaging the bottom of said perfume container, and a chain and suspended weight means secured to said pivoted cam and operable when actuated to operate said cam to move said container against said closure means to open the same.

2,353,650
APPARATUS FOR INSTALLING ELASTIC COVERS
Russell S. Colley, Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 15, 1943, Serial No. 490,919
12 Claims. (Cl. 254—67)



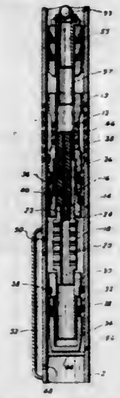
1. Apparatus for drawing a covering to a position upon an aircraft surface, said apparatus comprising a bracing structure adapted to engage an element on said surface, means for engaging a margin of said covering and means interengaging said bracing structure and the margin-engaging means for drawing the latter into an overlapping relation with said element for attachment of said margin to said element.

2,353,651
MATERIAL HANDLING MECHANISM
Herman H. Colson, Teaneck, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1940, Serial No. 358,655
10 Claims. (Cl. 242—78)



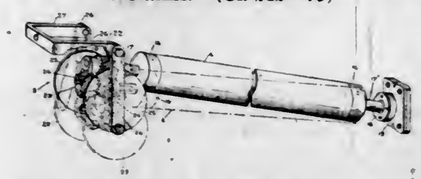
1. A material handling mechanism comprising a pair of shaft members adapted to be oppositely disposed in axial alignment, a flange member rotatably mounted on each shaft member, means for adjustably positioning said flange members relative to each other, and means for oscillatably tilting one of the shaft members with respect to the other shaft member.

2,353,652
REMOVABLE BOTTOM HOLE CHOKE
Paul Coonrod, Kilgore, Tex., assignor to Production Supply Company, Oklahoma City, Okla., a corporation of Oklahoma
Application April 20, 1942, Serial No. 439,798
10 Claims. (Cl. 166—2)



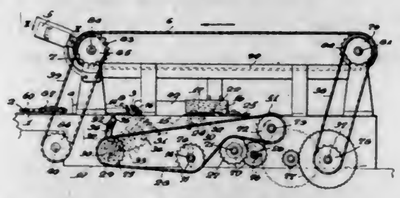
1. In well apparatus of the character described, a tubular nipple designed to be secured to the lower end of a tubing string and to depend therefrom, a baffle plate arranged in the nipple to close the bore thereof to prevent fluid from flowing directly through the nipple, a tubular structure removably positioned in the nipple and having a closed lower end portion resting on said baffle plate, fluid conducting means extending along the nipple, lengthwise thereof for conducting well fluid to the nipple, port means in the nipple placing the upper portion of the fluid conducting means in communication with the interior of the nipple at an elevation above the baffle plate, said tubular structure having port means positioned adjacent to the first mentioned port means for introducing fluid from the nipple into the tubular structure, sealing means arranged between the tubular structure and nipple above and below said first and second mentioned port means, a choke nozzle arranged in the tubular structure and positioned above said second mentioned port means and communicating with the latter, and means at the upper portion of the tubular structure for discharging fluid which has passed through the nozzle, into the nipple, above the upper sealing means.

2,353,653
WINDING APPARATUS
Cyril M. Croft and Alvin W. Bergeron, Cumberland, and Frederick G. Dodge, La Vale, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application February 24, 1943, Serial No. 476,892
8 Claims. (Cl. 242—76)



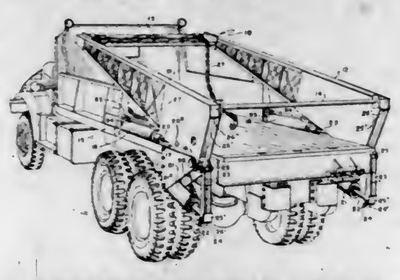
1. In a device for winding fabrics, the combination with means for positively feeding fabric to a take-up roll, of a guide roll adapted to be rotated by the moving fabric, and means actuated by the rotation of said guide roll for causing one end of said guide roll to move in an oscillatory path.

2,353,654
METHOD AND MEANS FOR DRESSING FISH
Paul Danielsson, Stockholm, Sweden, assignor to Arenco Aktiebolag, a Swedish joint-stock company
Application December 1, 1942, Serial No. 467,496
In Sweden October 27, 1941
11 Claims. (Cl. 17—3)



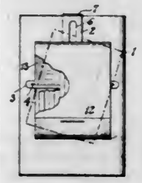
1. The method of dressing fish, consisting in pulling the fish by their tail ends longitudinally and temporarily deviating the head of the fish against cutting means to decapitate the fish in transit.

2,353,655
MOBILE LOADING EQUIPMENT
Herbert O. Day, Bowling Green, Ohio
Application May 26, 1943, Serial No. 488,531
8 Claims. (Cl. 214—77)



1. Loading apparatus adapted to be mounted upon a vehicle comprising a hoisting member adapted to be hingedly mounted upon the rear end of the vehicle frame for swinging movement about an axis extending transversely of the vehicle frame, and actuating means for swinging the hoisting member comprising a main hydraulic power cylinder adapted to have its bottom end pivotally mounted upon the vehicle frame, a piston rod for said main cylinder and having a power stroke in each direction means connecting the main piston rod with said hoisting member, an auxiliary hydraulic power cylinder adapted to have its bottom end pivotally mounted upon the vehicle frame, a piston rod for said axuiliary cylinder and having a power actuated extension stroke, a guide link connecting the auxiliary piston rod and the hoisting member whereby the auxiliary piston rod when extended becomes either engaged by or disengaged from said hoisting member at a predetermined intermediate point in the path of movement of said member, one of said piston rods applying force to said hoisting member at a point substantially above, the other of said piston rods applying force to the hoisting member at a point substantially below the swinging axis of said member; said actuating means also including a control system having hydraulic pressure producing means, a reservoir for hydraulic pressure liquid, a main valve for controlling the direction of liquid flow in the system, and conduit means operatively connecting the main valve with said pressure producing means and with said power cylinders as well as with said reservoir; said main valve being operable in one position to direct pressure liquid through said conduits to extend the main piston rod to impart swinging movement to the hoisting member in one direction during the latter part of which movement the previously extended auxiliary piston rod cushions the hoisting member, and when said valve is in another position being operable to direct pressure liquid to retract the main piston to effect return movement of the hoisting member meanwhile directing pressure liquid to extend the auxiliary piston rod to aid said return movement during an initial portion of such return movement.

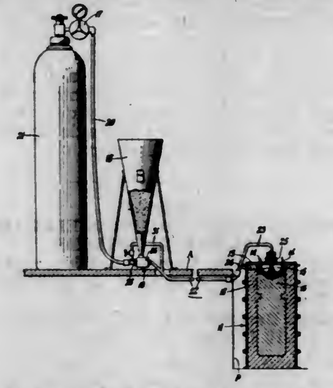
2,353,656
MATCH BOOK HOLDER
Cornelius J. Donovan, Yonkers, N. Y.
Application August 31, 1943, Serial No. 500,615
6 Claims. (Cl. 206—48)



1. A match book holder for cigarette packages comprising, a doubled-over tongue portion having a front part and a rear part, the rear part constituting a single prong entrant into the cigarette package from one end of the package to clip the covering of the package between it and the front part, the front part overlying a face of the cigarette package and provided at its lower end with a forwardly-tilted integral cross bar of considerably less width than the width of the tongue, said cross bar being provided with a slot extending transversely of the cigarette package to which the holder is attached, said slot receiving and completely surrounding the back portion of the match book covering, said slot loosely receiving the covering of the match book whereby the match book may be angularly shifted by the fingers while remaining in the slot, to facilitate convenient striking of a match while the match book remains attached to the cigarette package.

2,353,657
TREATMENT OF CASTINGS
William G. Edwards and Edward L. McCandless, Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
Application January 29, 1942, Serial No. 428,634
6 Claims. (Cl. 22—216)

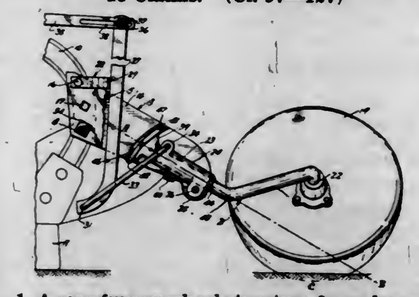
1. Apparatus for treating a freshly cast body of metal, which apparatus comprises a source of gaseous oxygen; a container for finely-divided solid fuel, said container being open to the atmosphere; an aspirator in communication with said container for aspirating said fuel into a flowing stream of gaseous oxygen to form an oxygen-fuel mixture; a conduit connecting said source of oxygen with said aspirator; a burner for burning said oxygen-fuel mixture to provide a heating flame; a conduit connecting said aspirator to said burner; and means providing an enclosed chamber adjacent to the top of said cast body for substantially confining such flame.



2,353,658
PROCESS FOR THE PRODUCTION OF DICALCIUM PHOSPHATE AND AMMONIUM CHLORIDE
Edward J. Fox, Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application January 8, 1941, Serial No. 373,620
8 Claims. (Cl. 71—43)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for producing a mixture consisting substantially of dicalcium orthophosphate and ammonium chloride comprising reacting solid monocalcium chlorophosphate, substantially free of calcium chloride, with ammonia gas.

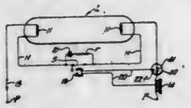
2,353,659
REAR WHEEL MOUNTING FOR PLOWS
William R. Frank, Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application December 13, 1941, Serial No. 422,831
15 Claims. (Cl. 97—127)



1. A rear furrow wheel structure for a plow, comprising a pair of rigid side members on the plow

forming the sides of a laterally confined guideway, a member pivotally mounted in said guideway, a furrow wheel axle connected at one end to said member and supported thereby for up and down movements at its other end, a furrow wheel supported by said other end of the axle and movable thereby to raise and lower the plow, said axle having a swivel connection with said member to permit castering action of the wheel in the raised position of the plow, and said axle carrying a locking member adapted to enter said guideway and engage the opposite sides thereof as the plow is lowered to lock the axle against such castering action in any direction.

2,353,660
STARTING CONTROL FOR ELECTRIC DISCHARGE DEVICES
Theodore W. Frech, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application December 17, 1942, Serial No. 469,355
10 Claims. (Cl. 315—99)



10. In a start-timing system for a gaseous electric discharge device having thermionic electron-emissive cathode means embodying heating resistance, and coacting main electrode means, the combination of a main discharge circuit connected across said cathode means and said coacting main electrode means; means for preheating said cathode means comprising a starting circuit connected across said main discharge circuit through said resistance, and means for impressing across said discharge device a high starting voltage exceeding that of said main discharge circuit, including a relay switch in said starting circuit; an auxiliary electrode for coacting with said cathode; and means for delaying application of said high starting voltage including a control circuit for said relay switch connected between said coacting auxiliary electrode and cathode, and a transformer operatively connecting the main discharge circuit to said control circuit for energizing the control circuit with a voltage that does not deleteriously exceed the cathode-disintegration voltage and is so low that the current in said control circuit cannot open the relay switch until the cathode means of the discharge device has been preheated by the aforesaid heating current to a temperature at which its thermionic emission of electrons suffices to obviate destructive disintegration.

2,353,661
PROCESS OF OBTAINING PHOTOGRAPHIC IMAGES
Béla Gáspár, Hollywood, Calif., assignor to Chromogen, Incorporated, a corporation of Nevada
No Drawing. Application December 7, 1940, Serial No. 369,123
5 Claims. (Cl. 95—88)

2. A method of producing a reversal dye image in a light-sensitive silver bromide emulsion containing a developed silver image and an easily destroyable coloring substance distributed uniformly therein, which comprises the steps of treating said emulsion with a mild oxidizing agent which converts said developed image to a silver salt image other than silver bromide without destroying the uniformly distributed coloring substance and subsequently treating the silver salt image with a completely neutral solution comprising a saturated solution of sodium chloride to dissolve the silver salt image by formation of a complex without affecting the undeveloped silver bromide or destroying the coloring substance.

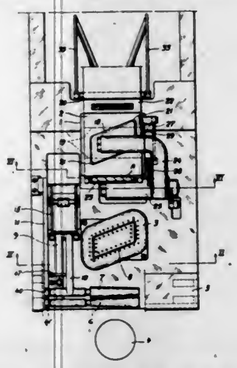
2,353,662
IMPLEMENTAL EQUIPMENT FOR LIFE RAFTS AND THE LIKE
Paul R. Goldman, Andover, Mass., assignor to Plymold Corporation, Lawrence, Mass., a body corporate
Application April 10, 1943, Serial No. 482,591
1 Claim. (Cl. 9—24)



A life raft accessory unit comprising, in combination, an assembly set including, a pair of similar separable shaft elements each formed of a concentric series of wood veneer strips wound and bonded together into a hollow tubular formation, a blade section comprising a plywood blade having a longitudinally projecting tubular handle open at the end distal from the blade, said tubular handle having a telescoping fit with one of said shaft elements, and a cylindrical closure-connector section having opposed plug-like ends of which one is formed as a base for a spear head, said closure-connector section being inserted into adjacent ends of said shaft elements and affording a rigid joint between them, the outer end of the other shaft element being adapted to receive a second closure-connector section or a second blade section, said elements and sections being interchangeably interconnectable in line with other like sections to present, alternatively, two relatively short paddles, a relatively long and a relatively short paddle, a double ended paddle and a relatively short spearing implement, a relatively long spearing implement and a pair of relatively short paddles, or a mast and a relatively short rudder-paddle.

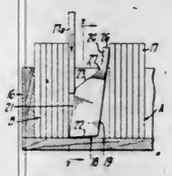
2,353,663
MACHINE FOR THE MANUFACTURE OF CIGAR BUNCHES OR THE LIKE
Karl Erik Granstedt, Stockholm, Sweden, assignor to Aktiebolaget Formator, Stockholm, Sweden, a joint-stock company of Sweden
Application April 10, 1941, Serial No. 387,963
In Sweden February 1, 1941
6 Claims. (Cl. 131—33)

1. In a machine for the manufacture of cigar bunches or the like, a bunch rolling table having a delivery front end, a table for a supply of tobacco leaves positioned in front of said rolling table, a binder cutting die located between and in the proximity of said delivery end of said rolling table and an oppositely disposed front end of said supply table, a binder cutting roller, means for positively reciprocating said



cutting roller over said die between an initial position of rest in the proximity of said end of said supply table and a point in the proximity of said delivery end of said rolling table, a bunch rolling apron on said bunch rolling table, and means for transferring binders from said die to said rolling apron.

2,353,664
PROGRESSIVE SEPARATOR
Valentine F. Greaves, Oakland, Calif.
Application May 13, 1940, Serial No. 334,859
7 Claims. (Cl. 312—42)



1. A progressive separator for use with a box and a series of projection slides having a pre-arranged sequence in said box, said separator being insertable in the box to separate the slides into a group to be projected and a group which has been projected, said separator being formed adjacent its upper end to lie flush against the group of slides to be projected and to provide a guide opening adjacent the group of slides which have been projected to guide return of a slide which has been projected to the second group as the last slide in the group to maintain the correct sequence of the slides.

2,353,665
INTAKE FUEL SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Ora F. Haibe, Indianapolis, Ind.
Application March 12, 1943, Serial No. 478,855
7 Claims. (Cl. 48—180)

1. In combination with the valve controlled intake passage of an internal combustion engine, a groove member projecting into said passage from the wall thereof and extending but a slight distance therefrom, the said groove member being downstream of the passage valve and directed upstream for trapping fuel wall condensate, a plurality of ribs projecting into said passage from said groove member, said ribs having upstream directed grooves therein each in communication with the channel of the groove member, and webbing means extending inwardly into the intake from the groove member at the inside edge of said member and at the opposite sides of the intake at right angles to the valve axis and substantially lunar segment-like character and bridging the gaps between certain of the rib members at the ends thereof.



2,353,666
YARN AND METHOD OF PRODUCING THE SAME
Berkeley L. Hathorne, Delray Beach, Fla., and Robert W. Seem, Kingston, Pa., assignors, by direct and mesne assignments, to Crepe de Chine, Inc., a corporation of Pennsylvania
Application August 24, 1940, Serial No. 354,064
20 Claims. (Cl. 57—139)

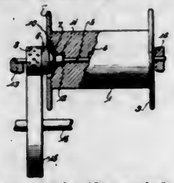


1. A method of producing straight, compact, twisted yarns which comprises subjecting a yarn to a twisting operation in the one direction to produce a number of turns per inch of twist of from approximately 3% to 60% beyond the twist desired in the final yarn, setting the twist, subjecting the yarn to a twisting operation in the opposite direction a number of turns sufficient to produce a yarn having the said desired number of turns per inch of twist and substantially free of the objectionable active and latent torsional forces which normally result from subjecting a yarn of like kind directly to the same twist in the final yarn and normally remaining after the setting of said direct twist, whereby the tendency of the yarn to curl, kink, snarl or fly during operations subsequent to twisting, knitting or weaving thereof and the crepeing, shrinking, curling, or twisting on a bias of the fabric knit or woven from said yarn is substantially inhibited.

2,353,667
WINDING DEVICE FOR STRAND MATERIALS
William V. Henry, Candler, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application August 24, 1942, Serial No. 455,921
6 Claims. (Cl. 242—46.2)

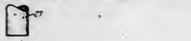
1. A collecting device for strand material comprising a spool, an annular receiving means hav-

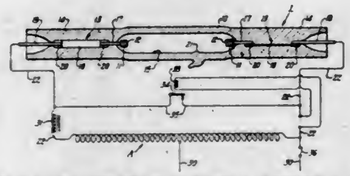
ing a concave inner wall associated with one end only, of said spool concentric with the axis thereof, a spindle, and a radially projecting metallic spring key affixed to said spindle, said spring key



being normally urged in the axial direction of the spool and arranged for frictional engagement with the inner wall of said annular receiving means.

2,353,668
ELECTRIC DISCHARGE DEVICE
Donald D. Hinman, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application October 5, 1942, Serial No. 460,913
6 Claims. (Cl. 176—122)

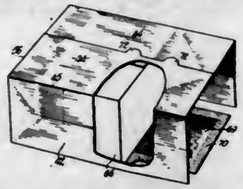




1. An electric discharge device of tubular high-intensity, high-pressure, cold-starting, self-heating solid electrode type, operable with external forced air cooling at an energy input relative to its internal area at which its envelope would soften if uncooled; said device comprising in combination a refractory tubular radiation-transmitting envelope having end chambers with corners rounded away, and of sufficiently small internal diameter to be internally heated between said end chambers, by the arc stream due to said rated energy input, at least to a temperature corresponding to the desired mercury pressure, notwithstanding external cooling as aforesaid, with ionizable starting gas in said envelope, and also a charge of mercury therein that is only sufficient to provide an unsaturated atmosphere under the aforestated internal heating and external cooling; and solid unactivated refractory metal electrodes in said end chambers, with unobstructed annular spaces around said electrodes in said end chambers, said electrodes being so small, and having their mass concentrated so close to the envelope ends, that the discharge maintains these unactivated electrodes thermionically emissive and hot enough throughout to keep the end chambers from anywhere falling below the temperature aforementioned, whereby said end chambers are free of condensed mercury during operation.

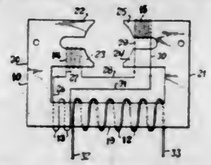
2,353,669
PACKAGE WRAPPING
Bill Y. James, Miami, Okla., assignor of one-half to Caroline Y. James, Miami, Okla.
Application January 2, 1942, Serial No. 425,437
4 Claims. (Cl. 229—87)

1. A pre-formed package wrapping of the character described comprising a blank, end, top, and side walls, said side walls being closed at one side and open at the other said top wall comprising sections having areas in overlapped relation to each other, and means for securing the overlapped areas together throughout a portion of their length leaving the remainder unsecured to



facilitate insertion of a package in the wrapping, said side walls at the open side comprising a pair of parts, a pair of portions, and a flap, and means for securing the parts, portions and flap together to form a side wall when the wrapping is placed on a package to be wrapped.

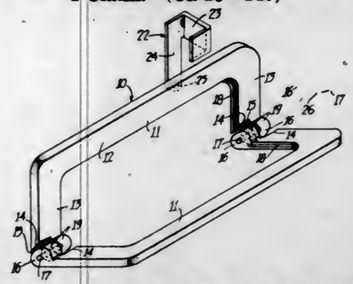
2,353,670
ALTERNATING-CURRENT SYNCHRONOUS MOTOR
Manfred J. Johnson, New Haven, Conn., assignor to The United States Time Corporation, a corporation of Connecticut
Application December 2, 1942, Serial No. 467,563
3 Claims. (Cl. 172—278)



1. An alternating-current electric motor of the type producing both synchronous-torque and starting-torque from a single source of single-phase alternating current, including in combination: a rotor formed of magnetic material; a stator-frame formed of magnetic material and having two pole-portions respectively of opposite instantaneous-polarity and both extending adjacent the path of rotation of the said rotor, each of the two said pole-portions being divided adjacent the said rotor into two pole-salients both magnetically acting on the said rotor to effect the rotation thereof; a main-magnetizing coil encircling a portion of the said stator-frame in position to impart opposite instantaneous-polarities to the respective pole-portions of the said stator-frame in response to alternating current supplied to the said main-magnetizing coil; a phase-shifting coil also encircling a portion of the said stator-frame in position to be inductively energized by energy supplied by the said main-magnetizing coil; two salient-magnetizing coils respectively encircling one of the two pole-salients of the two pole-portions of the said stator-frame; and connecting-means electrically connecting the said phase-shifting coil to both of the two said salient-magnetizing coils in such manner that the latter coils impart peak-magnetism substantially simultaneously to both of the pole-salients which they respectively encircle at a later instant than the said main-magnetizing coil imparts peak-magnetism to the respective other pole-salient of each of the pole-portions of the stator-frame, to thereby apply a starting-torque to the said rotor; each of the said pole-salient

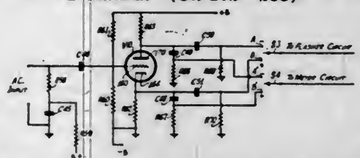
magnetizing coils being constructed and arranged to encircle only one of the aforesaid pole-salients to thereby avoid having the said main-magnetizing coil supply magnetism of two polarities to the portion of the stator-frame encircled by a given one of the said pole-salient magnetizing coils.

2,353,671
POCKETBOOK FRAME
Karl Karish, Brooklyn, N. Y.
Application June 8, 1942, Serial No. 446,166
1 Claim. (Cl. 16—140)



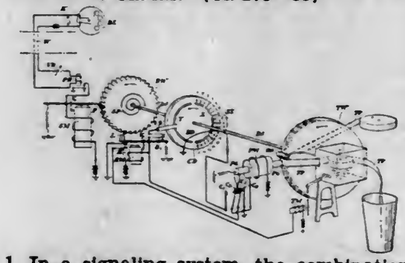
In a frame for pocketbooks or the like, matching U-shaped frame pieces having free ends of identical construction, each end presenting a unitary hub section and a contiguous hub cavity, the hub section and the hub cavity each extending substantially half the width of each of said ends, and said cavities and hubs being arranged to interfit when two frame pieces are assembled, said hub sections presenting a cylindroid shape in cross section and said cavities presenting angularly disposed hub engaging nosed edge walls for frictional engagement with the coacting hub to control the relative swinging movement of the frame pieces, yieldable pivot pins for joining the hubs to provide an articulated frame structure, and a depression formed longitudinally in the upper surface of each hub providing a seat for the nosed angular edge wall of the hub cavity whereby the frame pieces are yieldably maintained in closed contact.

2,353,672
PHASE INVERTER
Alfred Keck, Hyde Park, Mass., and John M. Brumbaugh, Lansdowne, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application July 28, 1942, Serial No. 452,608
4 Claims. (Cl. 172—238)



1. In apparatus for producing two substantially identical phase opposed potentials which correspond to a first potential, a tube having an electron receiving electrode, a control electrode and a cathode, connections for impressing said first potential on said control electrode and cathode, a source of direct current, two output impedances one connected to the cathode and one connected to the electron receiving electrode, a connection for impressing the potential drop in the impedance connected to the cathode on the control electrode, and a connection for impressing an opposing potential from said source of direct current on the control electrode of said tube, whereby one of said two substantially identical but phase opposed potentials appears in said impedance connected to the electron receiving electrode and the other of said two substantially identical but phase opposed potentials appears in the impedance connected to the cathode of said tube.

2,353,673
CODE SIGNALING SYSTEM
William Joseph Kennedy, Astoria, Long Island, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 18, 1943, Serial No. 487,434
5 Claims. (Cl. 178—35)



1. In a signaling system, the combination of means for producing a plurality of D. C. pulses, a type wheel having peripherally arranged characters, a ratchet wheel, a commutator disk mounted on a shaft in common with said type wheel and said ratchet wheel, means responsive to the direct current pulses for engaging said ratchet wheel and rotating it step-by-step through an angle corresponding to the number of D. C. pulses produced, printing mechanism adjacent to the type wheel and controlled by said commutator disk for printing the character on the type wheel which is adjacent to the printing mechanism, and means controlled by the printing mechanism to return the type wheel to its original position after the printing operation is completed.

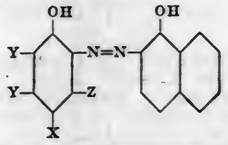
2,353,674
CORK
George A. Kimber, Chicago, Ill.
Application July 16, 1941, Serial No. 402,567
4 Claims. (Cl. 215—47)



1. A corking device of the kind described consisting of a tapered smooth faced body of resilient material provided with a recess extending internally at the outer end of the body and with a sealing flange extending interruptedly about and contiguous with the body at the extreme inner end of the body, said recess extending inwardly and near to the flanged inner end of the body to provide a flexible tapered wall for the sealing end of the body and a compressible bottom wall, whereby said sealing flange may flex therewith in a direction vertically and toward the axial center of said body.

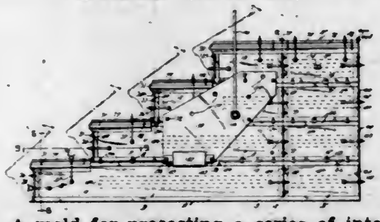
2,353,675
MONOAZO DYESTUFFS AND THEIR MANUFACTURE
Oscar Knecht and Otto Senn, Basel, Switzerland, assignors to the firm Sandoz Ltd., Fribourg, Switzerland
No Drawing. Application February 6, 1941, Serial No. 377,748. In Switzerland February 22, 1940
8 Claims. (Cl. 260—197)

1. New monoazo dyestuffs of the general formula



wherein one of the Y's represents a sulphonic acid group, the other one standing for a member of the group consisting of hydrogen, halogen and nitro, X represents a member of the class consisting of halogen, nitro, alkyl, alkoxy, acylamino, alkylsulphone, arylsulphone and sulphamide group, and Z represents a member of the group consisting of hydrogen and halogen, which on treatment with chromium salts give chrome-complex compounds and which dye animal fibres by the one-bath chrome and the after-chrome process violet, blue and black shades.

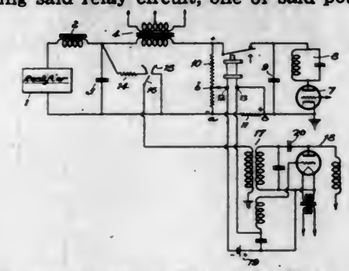
2,353,676
APPARATUS FOR PRECASTING CONCRETE STAIR STRUCTURES
Frank Kogl, St. Paul, Minn., assignor of four per cent to Minnie M. Clark, South St. Paul, Minn., two and one-half per cent to Walter H. Carlson, two and one-half per cent to Ora E. Carlson, ten per cent to Ruby S. McBride, and four per cent to Genevieve Clark, all of St. Paul, Minn.
Application May 28, 1941, Serial No. 395,558
15 Claims. (Cl. 25—118)



1. A mold for precasting a series of integral concrete steps, comprising inner and outer side forms for molding sides of the steps, the said side forms being made of sections each equal in height to one step, means traversing each section of the side forms for casting treads and risers of the steps, and means for assembling the side form sections and associated tread and riser molding means in preselected member and arrangement for casting a corresponding number of steps.

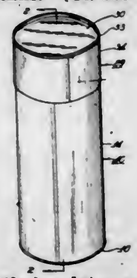
2,353,677
ARRANGEMENT TO DISCONNECT TRANSMITTER TUBES
Wilhelm Kummerer, Berlin, Germany; vested in the Alien Property Custodian
Application July 8, 1941, Serial No. 401,473
In Germany May 23, 1940
8 Claims. (Cl. 250—17)

1. A transmitter circuit arrangement for disconnecting the plate potential of an electron discharge device upon an abnormal operation thereof, comprising an electron discharge device having a plate, grid and cathode electrodes, a rectifier circuit connected to said electron discharge device for supplying a direct current thereto, a relay circuit for cutting off the direct current supplying said electron discharge device, resistance means connected to said rectifier circuit to produce two different potentials required for operating said relay circuit, one of said potentials



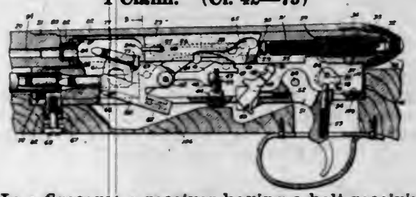
being proportional to the plate direct current voltage acting on said electron discharge device, the other potential being proportional to the plate direct current of said electron discharge device, and both of said potentials being arranged by said means so that under normal operating conditions the relay circuit is in an inactive state and in an active state only under abnormal operating conditions of said electron discharge device.

2,353,678
BABY'S BOTTLE INSULATOR AND REGULATOR
Lawrence A. Lockwood, Chicago, Ill.
Application August 16, 1943, Serial No. 498,789
2 Claims. (Cl. 229—14)



1. A baby's bottle insulator and regulator comprising an outer cardboard tube, a metal base attached to and closing the bottom of said outer tube, a cardboard ring positioned on said base, a smaller inner cardboard tube, a metal base attached to and closing the bottom of said inner tube, the base of said inner tube positioned on said ring, said inner tube spaced from said outer tube so as to form a dead air space therebetween, a metal rim attached to the top of said outer tube, extending across the dead air space, and attached to said inner tube, a closure having an abbreviated cardboard tube, a metal top attached to and closing the top of said abbreviated tube, a cardboard ring attached to and within said tube, and a cardboard disc attached to said last mentioned ring, said inner tube adapted to receive a baby's bottle containing milk just boiled, said closure adapted to be removably positioned over said outer and inner tubes, said cardboard and metal portions adapted to permit a gradual reduction of temperature of said milk.

2,353,679
FIREARM
Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., a corporation of Delaware
Original application October 31, 1940, Serial No. 363,613. Divided and this application July 23, 1943, Serial No. 495,820
1 Claim. (Cl. 42—75)



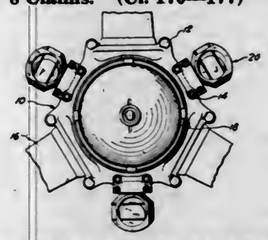
In a firearm: a receiver having a bolt receiving portion and a depending portion in communication therewith; a magazine; a receiver closing filler block fitted in the depending portion and serving as a support for said magazine; a barrel having threaded engagement with said receiver; a bushing threadedly mounted in said receiver and engaging said filler block, pressing the same against said barrel, thereby fixedly holding said barrel and filler block in position within the receiver.

2,353,680
COVERING MATERIAL
Arthur D. MacNutt, Kenmore, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland
Application February 18, 1941, Serial No. 379,428
5 Claims. (Cl. 117—8)



1. A roofing sheet comprising a base of felted structure having upon a face thereof a coating of plastic adhesive material in set condition adhering to said face, said coating in said set condition being substantially impervious to passage therethrough of gaseous or vaporous material, said base being perforated from the face thereof opposite to that to which said coating adheres, said perforations extending within the structure of said felted base to provide leakoff passages for gases and vapors contained within the felted structure.

2,353,681
PROPELLER HUB DAMPER
Erle Martin and Charles M. Kearns, Jr., West Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 3, 1939, Serial No. 302,750
8 Claims. (Cl. 170—177)



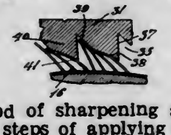
2. In combination with an aeronautical propeller having a hub and a plurality of blades, a dynamically acting vibration suppressing device secured to each inter-blade portion of said hub and arranged in a mutually counterbalancing relation, each device comprising an apertured cage, a cylindrical weight in said cage, and means for attaching said cage to said hub.

2,353,682
FILTER GLASS HOLDER
Edmond B. Maillart, Media, Pa., assignor to Frederick M. Bowers, Chester, Pa.
Application October 2, 1942, Serial No. 460,543
6 Claims. (Cl. 2—8)



1. In a welding helmet having a mask formed with a window opening, a filter glass holder comprising inner and outer non-metallic holder parts engaging the inner and outer faces of the mask about the window opening, and snap means for establishing a detachable connection between said holder parts to maintain the assembled relation of said holder parts and mask.

2,353,683
METHOD OF SHARPENING FILES
Rene Martines, Cranston, R. I.
Application August 30, 1943, Serial No. 500,465
2 Claims. (Cl. 51—281)



1. The method of sharpening a mill cut file comprising the steps of applying a rotary, wire bristled brush having abrasive upon the bristles thereof to the teeth of a file in such a manner that the abrasive bearing bristles travel in an arcuate path from the back of the teeth toward the cutting edges thereof thereby imparting an arcuate surface upon the back of the teeth and extending to the cutting edges thereof and thereby renewing the sharpness of the cutting edges.

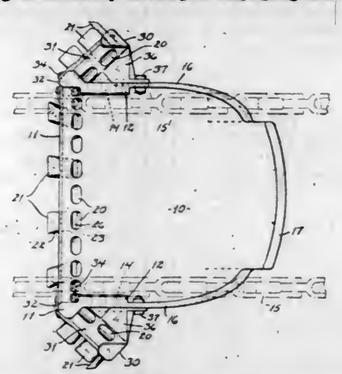
2,353,684
ESTERS OF THE HYDROXY-STILBENE SERIES AND PROCESS OF PREPARING SAME
Karl Miescher, Riehen, and Jules Heer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application June 3, 1939, Serial No. 277,324. In Switzerland July 2, 1938
4 Claims. (Cl. 260—479)

1. An α,α'-diethyl-4,4'-dihydroxy-stilbene difatty acid ester, the acid groups of which are identical and contain from 3 to 8 carbon atoms.

2,353,685
EXCAVATOR BUCKET
Albert R. Askue, Mentor, Ohio, assignor to The Cleveland Trencher Company, Cleveland, Ohio, a corporation of Ohio
Application January 7, 1943, Serial No. 471,553
4 Claims. (Cl. 37—141)

2. A digging member for an excavating machine, said member having a tooth receiving sock-

et, a tooth mounted in said socket, the walls of the opening and the coacting walls of the tooth having alternately arranged engaging and clear-



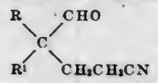
ing surfaces, the distance between the engaging surfaces being greater than the distance between the clearing surfaces.

2,353,686
SOAP AND PROCESS FOR ITS MANUFACTURE
Robert Brown, New York, N. Y., assignor to Brownmil Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application July 8, 1940, Serial No. 344,412
13 Claims. (Cl. 252—368)

1. In a process for the manufacture of soap, the steps which comprise grinding coffee material with a fatty base to substantially colloidal fineness, and saponifying at least part of the fatty and oily content of the base and coffee material.

2,353,687
CYANOALDEHYDES AND PROCESS OF PRODUCING THEM
Herman A. Bruson and Thomas W. Riener, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 18, 1942, Serial No. 466,050
8 Claims. (Cl. 260—464)

6. As a new chemical compound, a cyanoethylated dialkyl acetaldehyde having the formula:

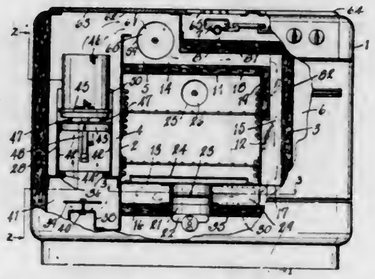


wherein R and R^1 are each alkyl groups.

2,353,688
METHOD OF IMPROVING ABRASION RESISTANCE OF ALLOYS
Charles O. Burgess, Niagara Falls, N. Y., assignor to Electro-Metallurgical Company, a corporation of West Virginia
No Drawing. Application October 5, 1942, Serial No. 460,775
6 Claims. (Cl. 148—20)

1. A method of improving the resistance to abrasion of iron-base alloys containing about 10% to 40% chromium and about 1% to 4% carbon, the remainder principally iron, which method consists in heating said alloys at a temperature above the temperature range at which alloys of such composition are customarily heated to develop maximum hardness and between about 1100° C. and their melting point and thereafter cooling said alloys at a rate sufficiently rapid to permit the retention in said alloys at ordinary room temperature of a predominantly austenitic structure.

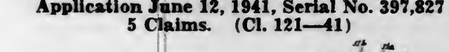
2,353,689
COMBINATION OIL AND GAS RANGE
William T. Caley, Kalamazoo, Mich., assignor to Kalamazoo Stove & Furnace Company, Kalamazoo, Mich., a corporation of Michigan
Application November 18, 1940, Serial No. 366,133
8 Claims. (Cl. 126—39)



7. A combined range of the type described having a fuel burner compartment and an oven disposed in side-by-side non-insulated relation, said compartment including a combustion chamber having a burner unit therein, means defining connected horizontal and vertical passages in communication with said combustion chamber for circulating products of combustion from said combustion chamber respectively along the top and the side of said oven remote from said compartment, said oven being provided with a top insulated wall and a side wall insulated on the upper part separating said oven from said horizontal and vertical passages, respectively, means defining a space beneath the oven in communication with said vertical passage and in non-insulated heat transfer relation to the bottom of said oven for the circulation of gases from said combustion chamber, said oven having a combustion chamber extending through said space, and an oven heating element in communication with said last named chamber a flue outlet for exit of products of combustion before passage beneath said oven and another flue outlet for exit of products of combustion after passage beneath said oven.

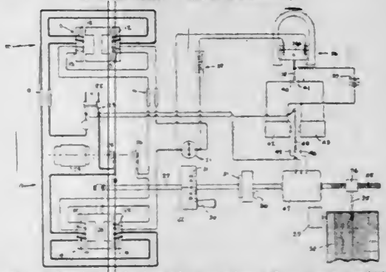
2,353,690
STABILIZATION OF ORGANIC SUBSTANCES
Richard G. Clarkson, Wilmington, Del., and Charles J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 11, 1942, Serial No. 465,264
20 Claims. (Cl. 44—64)

1. A composition comprising an organic substance, normally subject to deterioration caused by the action of molecular oxygen, containing a catalyst of the group consisting of chromium, iron, cobalt, copper, manganese and their compounds, normally effective to catalyze oxidation of said organic substance, and having incorporated therein a metal deactivator in a small proportion sufficient to deactivate said catalyst, said metal deactivator having the formula



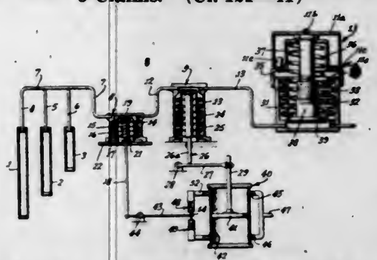
wherein R represents an ortho-divalent aromatic radical, R′ represents a member selected from hydrogen and hydrocarbon radicals, R″ represents a member selected from hydrogen and organic radicals and X represents a member selected from =O, =S and =NH.

2,353,691
TORSION METER
Palmer Clingman, Fairfield, Conn.
Application January 19, 1942, Serial No. 427,251
5 Claims. (Cl. 265—4)



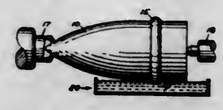
1. An electrical torsionmeter for use with a power shaft comprising a bridge circuit having a pair of differential transformers therein with the secondaries connected together and normally balanced so that no current flows therein; means responsive to the twist in the shaft for unbalancing the bridge circuit and causing current to flow in said secondary circuit; means for rebalancing the bridge circuit; and means connected in said secondary circuit and responsive to current flow in said circuit for automatically controlling the last-named means, and including means for indicating and recording the amount of twist in said shaft.

2,353,692
CONTROL SYSTEM
Lewis L. Cunningham, Glendale, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application June 12, 1941, Serial No. 397,827
5 Claims. (Cl. 121—41)



1. A motor comprising a cylinder and a cooperating piston; and a connection operated by the movement of said piston comprising a pair of members slidable with respect to each other along a substantially common axis, one of said members being pivotally mounted on said piston and the other on said cylinder so that the common axis of the members is at an angle to the axis of the motor.

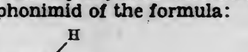
2,353,693
ROTATING BAND
Joseph H. Church, Austin, Minn.
Application September 28, 1942, Serial No. 459,915
3 Claims. (Cl. 29—1.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



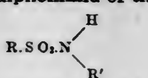
1. A method of applying a rotating band to a projectile which comprises encircling the projectile with a quantity of powdered metal, compressing said metal and then simultaneously sintering and brazing it to the projectile wall, impregnating the sintered material with a molten metal, and finally shaping the sintered and impregnated band.

2,353,694
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 25, 1942, Serial No. 444,466
8 Claims. (Cl. 252—336)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising a chemical compound within the molecular weight range of 536 to approximately 5,000, and of the formula:



in which R″ represents an alcoholic radical and at least one occurrence of R″ being the dehydroxylated residue of an oxyalkylated derivative of an acidyl-aryl-sulphonimid of the formula:

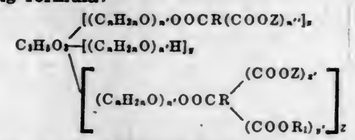


in which R is an aromatic nucleus, and R′ is an acidyl radical obtained from a high molal detergent-forming monocarboxy acid having at least 8 carbon atoms and not more than 32 carbon atoms; said derivative being obtained by means of an oxyalkylating agent having a reactive ethylene oxide ring.

2,353,695
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1942, Serial No. 447,152
8 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned

polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a water-insoluble hydroxylated fractional ester radical having as an integral part (*a*) a polyhydric alcohol radical having at least two carbon atoms and not more that 12 carbon atoms; and (*b*) a detergent-forming monocarboxy radical having 8 and not more than 32 carbon atoms; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

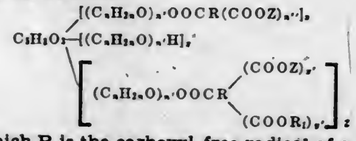
2,353,696
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,153

7 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a water-insoluble high molal alcohol radical having at least 10 carbon atoms and not more than 32 carbon atoms; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

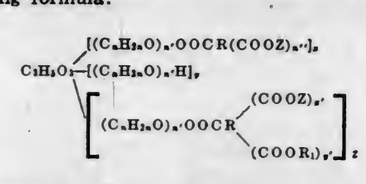
2,353,697
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,154

8 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a water-insoluble ester radical in which the alcoholic group of said ester radical is that of a monohydric alcohol; said ester radical having at least one hydroxyl radical as a constituent of the acyl radical part of the aforementioned ester radical and said ester radical containing at least 11 and not more than 42 carbon atoms; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

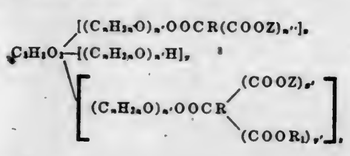
2,353,698
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,155

8 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a water-insoluble high molal hydroxy acid amide radical having at least 11 carbon atoms and not more than 36 carbon atoms; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

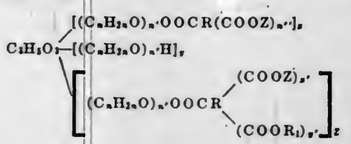
2,353,699
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,156

8 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a water-insoluble detergent-forming acid amide radical, in which the acyl radical contains more than 8 carbon atoms and not more than 32 carbon atoms and in which at least one amido hydrogen atom has been replaced by a hydroxy hydrocarbon radical; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

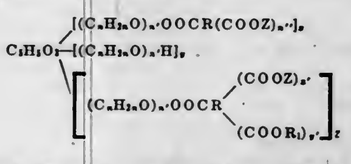
2,353,700
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,157

9 Claims. (Cl. 252—333)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a polyhydric alcohol radical in which one hydroxy hydrogen atom has been replaced by the acyl radical of a surface-active sulfonic acid having a molecular weight between 200 and 1,000; the polyhydric alcohol radical and the sulfonic acyl radical being part of a water-insoluble fractional ester; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

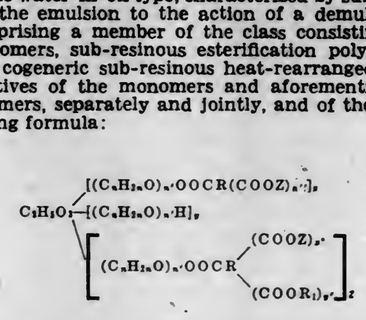
2,353,701
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,158

7 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a water-insoluble completely esterified trihydric alcohol ester radical of which the acyl radicals are high molal hydroxy acid radicals having at least 8 and not more than 32 carbon atoms; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

2,353,702
PROCESS FOR BREAKING PETROLEUM EMULSIONS

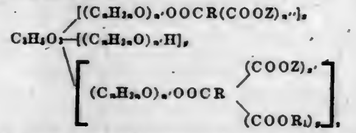
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,159

8 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned

polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a water-insoluble polyhydric alcohol ester radical, the acyl radical of which being a high molal hydroxy acid acyl radical having at least 8 carbon atoms and not more than 32 carbon atoms; the alcohol radical of said ester radical having a valency of at least two and not more than 4, and said ester radical containing hydroxyl groups as part of the acyl radical only; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

2,353,703

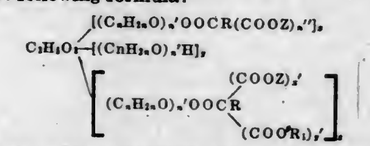
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,160

8 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a hydroxylated acylated aminoether radical, said radical containing (*a*) at least one amino nitrogen atom free from attached aryl and amido-linked acyl radical; (*b*) said radical containing at least one basic hydroxyamine radical ether-linked to at least one radical selected from the class of glycerol radicals, polyglycerol radicals, glycol radicals, poly glycol radicals, basic hydroxyamine radicals, amidohydroxyamine radicals and aryl alkanolamine radicals, said basic hydroxyaminoether radicals being characterized by containing not over 60 carbon atoms; (c) said hydroxylated acylated amino radical containing a detergent-forming monocarboxy acid radical having at least 8 carbon atoms and not over 32 carbon atoms; and said aforementioned acyl radical being a substituent for a hydrogen atom of the alcoholic hydroxyl radical; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

2,353,704

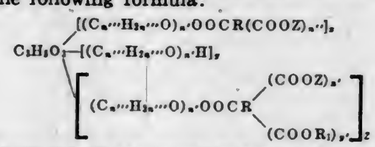
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

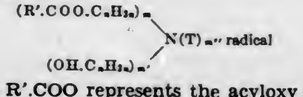
No Drawing. Application June 15, 1942, Serial No. 447,161

8 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 represents a



radical

in which R'.COO represents the acyloxy radical of a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms; T represents a member of the class consisting of hydrogen atoms, hydrocarbon radicals, and acylated radicals in which the acyl radical of a monobasic carboxy acid having less than 8 carbon atoms is a substituent of a hydroxy hydrogen atom of an alcohol radical; n represents a small whole number which is less than 10; m represents the numeral 1, 2 or 3; m' represents the numeral 0, 1, 2 or 3; and m'' represents the numeral 1, 2 or 3, with the proviso that $m+m'+m''=3$; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n''' represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; and x' represents the numerals 0 to 1, and y' represents the numerals 1 to 2.

2,353,705

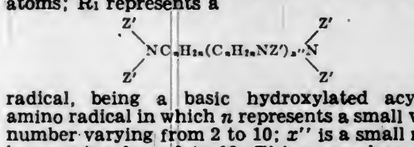
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

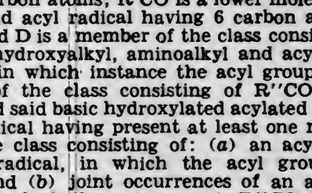
No Drawing. Application June 15, 1942, Serial No. 447,162

8 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsion of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 represents a



radical, being a basic hydroxylated acylated amino radical in which n represents a small whole number varying from 2 to 10; x'' is a small number varying from 0 to 10; Z' is a member of the class consisting of hydrogen, R''CO, R'CO, and D, in which R''CO is a detergent-forming monocarboxy acyl radical having at least 8 and not over 32 carbon atoms; R'CO is a lower molecular weight acid acyl radical having 6 carbon atoms or less, and D is a member of the class consisting of alkyl, hydroxyalkyl, aminoalkyl and acyloxyalkylene, in which instance the acyl group is a member of the class consisting of R''CO and R'CO; and said basic hydroxylated acylated polyamino radical having present at least one member of the class consisting of: (*a*) an acyloxyalkylene radical, in which the acyl group is R''CO; and (*b*) joint occurrences of an amido radical, in which the acyl group is R''CO and a hydroxyalkyl radical; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n''' represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

2,353,706

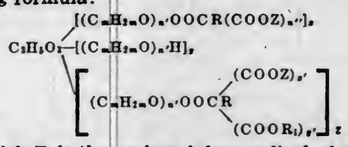
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,163

8 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is an oxyalkylated imidazoline radical substituted in two-position by the radical containing 11–22 carbon atoms selected from the class consisting of alicyclic hydrocarbon radicals, aliphatic hydrocarbon radicals and aliphatic hydrocarbon radicals substituted by hydroxyl radicals; said oxyalkylated imidazoline radical containing a group selected from the class consisting of

—N—(R''—O)$_n$H and —NH—(R''—O)$_n$H—

groups; wherein R'' denotes an aliphatic radical and n is a small whole number greater than 2 and less than 11; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; m represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

2,353,707

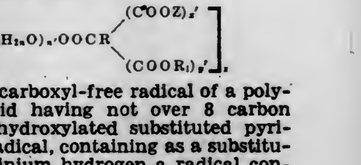
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,164

5 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a hydroxylated substituted pyridinium halogen radical, containing as a substituent for the pyridinium hydrogen a radical containing at least 8 and not more than 59 carbon atoms and having as an integral part thereof at least one alcoholic hydroxyl radical; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; n represents the numerals 2 to 4; n' represents the numerals 3 to 10; n'' represents the numerals 1 to 2; x represents the numerals 0 to 2; y represents the numerals 0 to 2; z represents the numerals 1 to 3; x' represents the numerals 0 to 1; and y' represents the numerals 1 to 2.

2,353,708

PROCESS FOR BREAKING PETROLEUM EMULSIONS

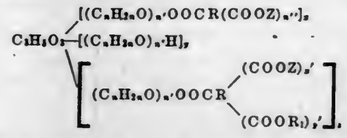
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1942, Serial No. 447,165

8 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by sub-

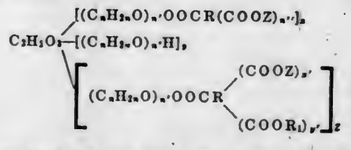
jecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a hydroxylated acylated amide radical containing: (*a*) an amino nitrogen-linked acyl radical of a monocarboxy acid having not over 5 carbon atoms; and (*b*) an acyl radical derived from a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; *n* represents the numerals 2 to 4; *n'* represents the numerals 3 to 10; *n''* represents the numerals 1 to 2; *x* represents the numerals 0 to 2; *y* represents the numerals 0 to 2; *z* represents the numerals 1 to 3; *x'* represents the numerals 0 to 1; and *y'* represents the numerals 1 to 2.

2,353,709
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1942, Serial No. 447,166
8 Claims. (Cl. 252—341)

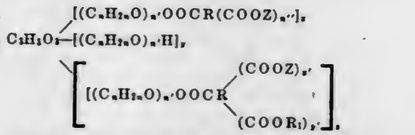
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



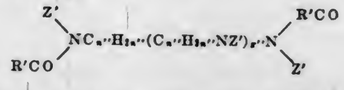
in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a hydroxylated acylated diamide radical containing: (*a*) an acyl radical of a polybasic carboxy acid having not more than 6 carbon atoms and linked to two amino nitrogen atoms; and (*b*) an acyl radical of a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; *n* represents the numerals 2 to 4; *n'* represents the numerals 3 to 10; *n''* represents the numerals 1 to 2; *x* represents the numerals 0 to 2; *y* represents the numerals 0 to 2; *z* represents the numerals 1 to 3; *x'* represents the numerals 0 to 1; and *y'* represents the numerals 1 to 2.

2,353,710
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1942, Serial No. 447,167
8 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a

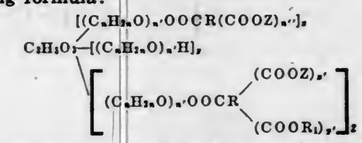


radical in which *n''* represents a small whole number varying from 2 to 10; *x''* is a small whole number varying from 1 to 10; Z' is a member of the class consisting of H, R''CO, R'CO, and D, in which R''CO is an acyl radical of a detergent-forming monocarboxy acid having at least 8 carbon atoms and not more than 32 carbon atoms, R'CO is an acyl radical of a lower molecular weight carboxy acid having 5 carbon atoms or less; and D is a radical of the class consisting of an alkyl, hydroxyalkyl, aminoalkyl, and acyloxyalkylene, in which instance the acyl group is a member of the class consisting of RCO and R'CO; and the polyacylated polyamine radical must contain a member of the class consisting of: (*a*) acyloxyalkylene radical in which the acyl group is RCO; and (*b*) joint occurrence of an amido radical in which the acyl group is RCO and a hydroxyalkyl radical; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; *n* represents the numerals 2 to 4; *n'* represents the numerals 3 to 10; *n''* represents the numerals 1 to 2; *x* represents the numerals 0 to 2; *y* represents the numerals 0 to 2; *z* represents the numerals 1 to 3; *x'* represents the numerals 0 to 1; and *y'* represents the numerals 1 to 2.

2,353,711
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1942, Serial No. 447,168
5 Claims. (Cl. 252—341)

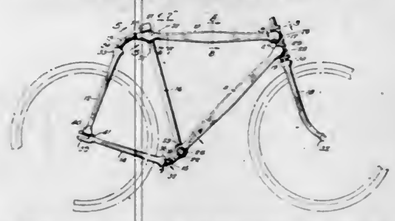
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting

of monomers, sub-resinous esterification polymers, and cogeneric sub-resinous heat-rearranged derivatives of the monomers and aforementioned polymers, separately and jointly, and of the following formula:



in which R is the carboxyl-free radical of a polybasic carboxy acid having not over 8 carbon atoms; R_1 is a hydroxylated high molal amine radical having at least 1 hydrocarbon radical containing at least 8 carbon atoms and not more than 26 carbon atoms, and having at least 1 hydroxylated aliphatic radical; to the extent that such radical contains ether linkages, such ether linkages shall not exceed 5 and the alkylene radical of said aliphatic radical containing not over 4 carbon atoms; Z is an acidic hydrogen atom equivalent including the acidic hydrogen atom itself; *n* represents the numerals 2 to 4; *n'* represents the numerals 3 to 10; *n''* represents the numerals 1 to 2; x represents the numerals 0 to 2; *y* represents the numerals 0 to 2; *z* represents the numerals 1 to 3; *x'* represents the numerals 0 to 1; and *y'* represents the numerals 1 to 2.

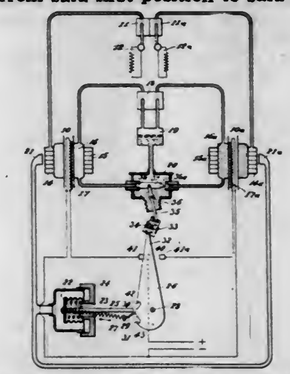
2,353,712
BICYCLE FRAME
Clarence L. Dewey, Elkhart, Ind.
Application July 16, 1942, Serial No. 451,157
9 Claims. (Cl. 280—281)



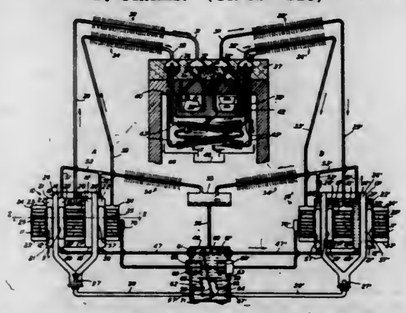
2. In bicycle frame construction, a truss member formed of a section of tubing tapered toward each end from the center and having its sides depressed inwardly to give to the medial portion of the truss a substantially eliptical formation, the truss member at its forward end being provided with a substantially spherical bulge channelled therethrough to afford embracing engagement with an angularly extending tubular member and having near its rear end a substantially spherical bulge provided with an aperture adapted to receive a strut member, the truss member being extended beyond the rear bulge to afford in its end a socket adapted to receive a connecting member.

2,353,713
THERMOSTAT DEVICE FOR ABSORPTION REFRIGERATING APPARATUS
Nils Erland af Kleen, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J., a corporation of Delaware
Application June 29, 1940, Serial No. 343,245
In Sweden February 27, 1940
12 Claims. (Cl. 62—5)

10. In a refrigerating apparatus of the intermittent absorption type including two units having alternate generating and absorbing periods; the combination of control mechanism including a rocking member movable from one extreme operating position to another and vice versa to control the operation from generating to absorbing and vice versa of each of said units in out of phase relationship with respect to one another, a pair of diverging contact faces on said rocking member, a pressure responsive diaphragm assembly including a plunger movable intermittently from a first position to a second position and adapted to cooperate first with one and then with the other of said contact faces on successive movements from said first position to said second position to move said rocking member from one of said extreme operating positions to the other and vice versa, pressure loading means normally maintaining said diaphragm assembly in said first position, and a plurality of pressure creating members including one acted upon by changes in temperature in one of said units and another acted upon by changes in temperature in the other one of said units and each operating at a predetermined temperature attained during one of the operating periods of the respective unit to move said diaphragm assembly intermittently from said first position to said second position against the loading pressure of said pressure loading means.



2,353,714
ABSORPTION REFRIGERATING APPARATUS
Nils Erland af Kleen, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J., a corporation of Delaware
Application December 17, 1940, Serial No. 370,431
17 Claims. (Cl. 62—118)



8. In refrigerating apparatus; the combination of a vessel divided into a plurality of chambers including one constructed and arranged to form

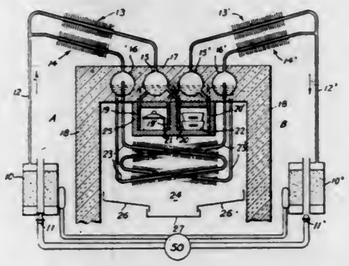
that part of a refrigerating system in which a refrigerating fluid is generated intermittently and another constructed and arranged to form that part of another refrigerating system in which a refrigerating fluid is generated intermittently, and means for heating said vessel intermittently for generation of the refrigerating fluids in said first-named and second-named systems, respectively.

2,353,715

ABSORPTION REFRIGERATING APPARATUS

Nils Erland af Kleen, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J., a corporation of Delaware

Application February 17, 1942, Serial No. 431,208
10 Claims. (Cl. 62—118)



1. In a refrigerator, the combination with a plurality of compartments to be cooled including an ice-freezing compartment, a low temperature storage compartment, and a higher temperature storage compartment; of a plurality of cooling parts having alternate cooling and inactive periods and arranged in pairs including one pair for said ice-freezing compartment, a second pair for said low temperature storage compartment and a third pair for said higher temperature storage compartment with the alternate cooling and inactive periods of one of the cooling parts of each of said pairs being in out-of-phase relation to the corresponding periods of the other one of the cooling parts of each of said pairs to provide substantially continuous cooling and with the cooling parts of the third pair arranged in indirect thermal transfer relation to one another to cool the air in said higher temperature storage compartment so that each of said last named cooling parts becomes alternately coated with frost and defrosted during its cooling and inactive periods, respectively, to provide a relatively high humidity in said higher temperature storage compartment.

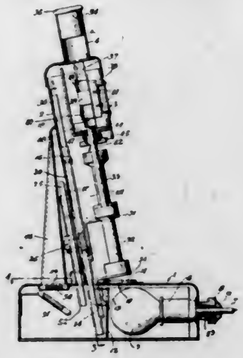
2,353,716

COLORIMETRIC APPARATUS

Roger S. Estey, Buffalo, William F. Peck, Snyder, and Kennard W. Harper, East Aurora, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y., a corporation of New York

Application February 19, 1941, Serial No. 379,688
9 Claims. (Cl. 88—14)

1. In a device of the character described, a base containing a source of illumination, an upright support on said base, two sets of cup and plunger members, the members of each set being in aligned relation with each other and with said source of illumination and adjustable relative to each other, a housing adjacent the upper end of said support, an eyepiece on said housing, an optical element in said housing adapted to direct light emerging from each set of said cup and plunger members into said eyepiece, a bearing plate on said upright support, upright edge members adjacent the edges of said bearing plate, a pair of rack members on said bearing plate, means on each of said rack members and adjustable therewith for varying the relative position of one set of said cup and plunger mem-



bers, a pinion member engaging said rack members and adapted to move said rack members in opposite directions to change the relative position of said cup and plunger members, resilient means on said upright edge members and engaging said rack members for holding said rack members in engagement with said pinion, and scale means for indicating the adjustment of said cup and plunger members.

2,353,717

PROCESS AND ARTICLE FOR TREATING MATERIALS AND ARTICLE SO PRODUCED

Carleton S. Francis, Jr., Chestnut Hill, Pa., and Worth Wade, Scarsdale, N. Y., assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

No Drawing. Application July 19, 1940, Serial No. 346,332
5 Claims. (Cl. 41—33)

1. A transfer, adapted for use in the coating of a surface with a coating of a synthetic resinous material, which has a backing sheet comprising a smooth, glossy, non-fibrous cellulosic film and a normally non-tacky thermoplastic coating thereon comprising a synthetic resin temporarily adhered directly to said cellulosic film to provide for handling incident to transfer but having substantially no chemical affinity to cause permanent adhesion thereto, said coating being releasable to permit transfer of the coating to the surface to be coated upon the contact of said coating therewith and the application of heat to render said coating tacky.

2,353,718

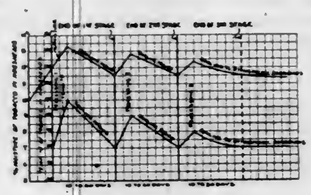
TOBACCO

Thomas Hollingsworth Garber, Richmond, Va., assignor to Larus and Brother Company, Inc., Henrico County, Va.

Application July 22, 1942, Serial No. 451,962
13 Claims. (Cl. 131—140)

1. In the processing of tobacco, the method of accelerating aging which consists in artificially increasing the temperature and moisture content of the tobacco and permitting the tobacco to cool,

again artificially increasing the temperature and moisture content but to a lower degree and again



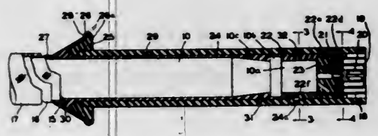
permitting the tobacco to cool, and if necessary repeating the cycle until the desired chemical changes are attained.

2,353,719

CABLE END CONSTRUCTION

Edwin R. Goldfield, University Heights, Ohio, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio

Application September 29, 1941, Serial No. 412,705
4 Claims. (Cl. 174—75)



1. A high tension cable having electrical conductors surrounded by insulation which in turn is surrounded by a metallic sheath terminating short of the end of said insulation, a plurality of electrical contact members secured to the terminal ends of said conductors, a noncircular base rigidly connected with said contact members, a substantially rigid insulating sleeve open at both ends and surrounding said contact members and said insulation from the end of said cable to a point adjacent the terminus of said sheath, said base forming the main closure means for the terminal end of said sleeve, means sealing said sleeve to said cable insulation, means interlocked with said noncircular base and preventing relative movement between said contacts and said sleeve, and means rigidly connecting said sleeve to the terminal end of said sheath.

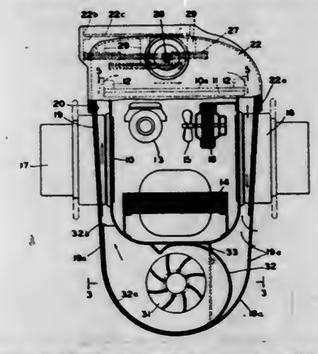
2,353,720

COOLED X-RAY TUBE HEAD

Edwin R. Goldfield, University Heights, and Edward B. Graves, South Euclid, Ohio, assignors to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio

Application February 23, 1942, Serial No. 431,922
7 Claims. (Cl. 250—89)

1. An X-ray tube head comprising a liquid-tight casing of heat conducting material, an X-ray tube in said casing, heat conducting electrical insulating oil in said casing surrounding said tube, means for agitating said oil, a housing spaced from the outside of said casing and providing a passageway around said casing, blower means positioned in said housing and below said casing, and partition means for causing a stream of air from said blower means to



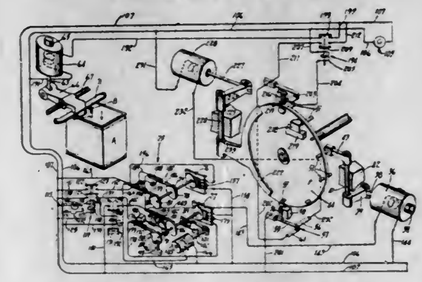
traverse said passageway up one side of said casing, across the top thereof and down the other side of said casing.

2,353,721

COATING MACHINE

James H. Gordon, Jr., Geneva, N. Y., and Victor T. Grover, Maplewood, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey

Application June 10, 1941, Serial No. 397,486
8 Claims. (Cl. 91—55)



5. In a machine for coating containers, said machine including means for applying liquid coating material onto a container and means for draining the coated container for a predetermined period of time, the combination of electrical means associated with said draining means for determining when a container is over-drained, and means actuated by said electrical means for operating on over-drained containers so that they may be readily detected and discarded.

2,353,722

GUN

Walter T. Gorton, United States Army, Springfield, Mass.

Application May 15, 1939, Serial No. 273,707
4 Claims. (Cl. 42—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a weapon of the class described a frame, having a trigger opening, a hammer provided with a sear notch pivoted in the frame, a sear movably mounted in the frame and engageable in said sear notch to restrain the hammer to cocked position, means urging the sear into sear notch engaging relation, and a trigger pivoted to the

sear depending through the trigger opening and adapted to directly engage the frame subjacent



its pivotal connection with the sear as a fulcrum upon application of pressure to move the sear from sear notch engagement.

2,353,723

COMPOSITION OF MATTER FOR CRACK SEALERS OR THE LIKE

Edwin O. Groskopf, Rutherford, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

No Drawing. Application April 21, 1941, Serial No. 389,632
2 Claims. (Cl. 260—758)

1. A crack sealer composition comprising an aqueous emulsion of bitumen mixed with 6 to 8% ground particles of vulcanized rubber, 2 to 5% bentonite, and 6 to 8% mineral fiber, said composition having a pH of between approximately 5.8 to 6.3, and viscosity and body characteristics such that it is sprayable, and being capable, when applied in layers of substantial thickness, of drying at temperatures of the order of 300° F. without blistering or forming pin holes to form films that are flexible at temperatures below 0° F.

2,353,724

GERMICIDAL SOAP

William S. Gump, Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application January 24, 1941, Serial No. 375,801
2 Claims. (Cl. 252—107)

2. A germicidal soap comprising a detergent soap and from 1% to 3% by weight of 2,2'-dihydroxy-3,5-3',5'-tetrachloro diphenyl.

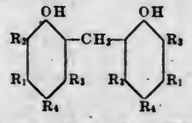
2,353,725

DIHYDROXY HALOGENATED DIPHENYL METHANES AND PROCESS FOR MAKING SAME

William S. Gump, Montclair, N. J., assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application July 26, 1941, Serial No. 404,155. In Canada March 13, 1940
11 Claims. (Cl. 260—619)

1. Compounds selected from the class consisting of those having the general formula:



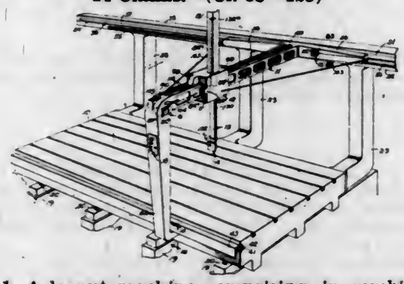
wherein R_1 is a member selected from the group consisting of hydrogen, chlorine and bromine; R_2 is a member selected from the group consisting of chlorine and bromine; R_3 is a member selected from the group consisting of chlorine and bromine; R_4 is a member selected from the group consisting of chlorine and bromine; and their mono-alkali and mono-alkaline earth metal salts.

2,353,726

LAYOUT APPARATUS

Eric S. Guttmann, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application February 2, 1942, Serial No. 429,201
14 Claims. (Cl. 33—125)



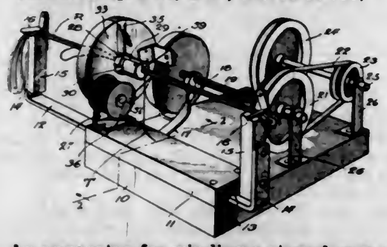
1. A layout machine comprising, in combination, a stationary horizontal work support, a stationary guideway disposed above and extending along one side of said support, a second stationary guideway extending along the opposite side of said support and underlying a part thereof so as to be protected by such part, an elongated member engaging said first guideway along a substantial length thereof and guided thereby for endwise movement, an L-shaped bridge having one leg extending horizontally across said support and rigidly joined to said member intermediate the ends thereof, the other leg of said bridge being upright and engageable at its lower end with said second guideway, a head supported by and slidable along said horizontal leg, and a layout tool mounted on said head for engagement with a work piece on said support during movement of the head along said bridge or during movement of the bridge along said guideways.

2,353,727

WINDING MACHINE

Styles T. Howard, Jeffersonville, Ind.

Application June 13, 1941, Serial No. 397,941
6 Claims. (Cl. 242—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



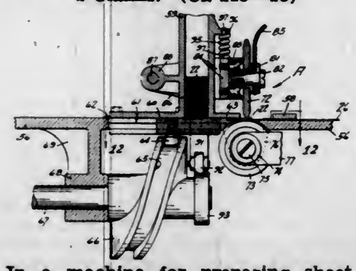
1. An apparatus for winding a strand on a core comprising a U-shaped sliding carriage means positioned on the upturned ends of said U-shaped sliding carriage for holding said core against rotation, means for distributing a strand evenly and progressively upon said core, and means for tensioning said strand during the winding operation.

2,353,728

APPARATUS FOR PRODUCING CAN BODIES

Arthur C. Hubbell, St. Paul, Minn., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Original application July 13, 1937, Serial No. 153,448. Divided and this application April 3, 1941, Serial No. 386,735
2 Claims. (Cl. 113—15)



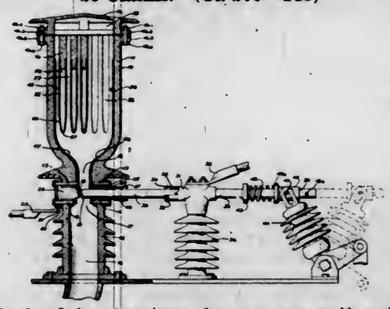
1. In a machine for preparing sheet metal blanks for the manufacture of can bodies with a minimum of waste in body material, a said blank when completed having a tearing strip set off by score lines and a separate tongue secured to an end of said tearing strip, the combination of a magazine for holding a supply of said blanks, a magazine for holding a supply of said tongues, a tongue securing station disposed in operative relation to said magazines, means for separately and successively intermittently feeding said blanks and means for intermittently feeding said tongues from said magazines into overlapping contacting stationary relation at said tongue securing station, said tongue feeding means including means for holding said tongue stationary at said station for the securing operation, actuable means at said station for securing together the overlapped portions of a said tongue and an end of a said tearing strip, and means actuated by one of said feeding means for moving said securing means into engagement with said overlapped parts when both of said parts are momentarily stationary at the conclusion of a feeding movement by said tongue and blank feeding means, whereby said blank and the tongue secured thereto may be formed into a tubular tearing strip can body having a secured side seam.

2,353,729

AIR BLAST ARC CHUTE

Otto Jensen, Malvern, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 14, 1941, Serial No. 406,813
20 Claims. (Cl. 200—148)



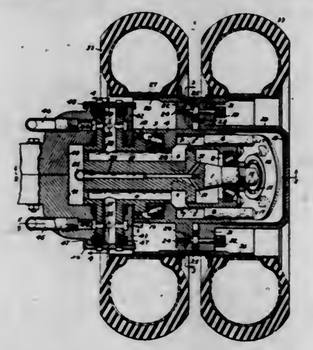
1. A plate structure for an arc extinguisher comprising a bent metallic member of a U-shaped cross-section, having a pair of plates integrally interconnected by a strip of material and bent into spaced relation; a notch in said bend said notch extending into said plates adjacent said bend.

2,353,730

WHEEL MOTOR

Joseph F. Joy, Claremont, N. H.

Application April 8, 1942, Serial No. 438,061
9 Claims. (Cl. 180—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



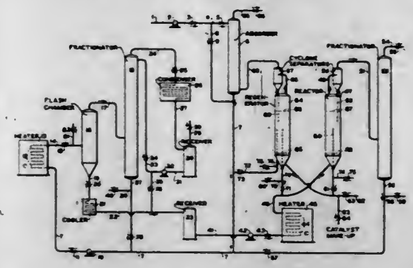
3. Vehicle driving means comprising a non-rotatable axle, a pair of fluid conduits through said axle, valve ports in said axle, each in communication with one of said conduits, a motor body journalled on said axle for rotation about the axis thereof, a plurality of cylinders of equal cross sectional area in said body parallel with the axis of rotation, a passage for each of said cylinders opening to said cylinder in opposition to said valve ports, pistons in said cylinders and projecting therefrom, a portion of said axle angularly disposed with relation to the axis thereof and a disk member journalled on said angularly disposed portion and engaging the projecting ends of said pistons.

2,353,731

HYDROCARBON CONVERSION

Elmer R. Kanhofer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

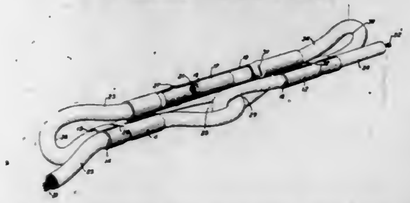
Application August 24, 1942, Serial No. 455,829
4 Claims. (Cl. 196—52)



1. A conversion process which comprises subjecting a hydrocarbon oil containing suspended powdered cracking catalyst to a cracking temperature for a time period sufficient to form

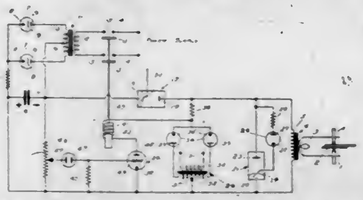
olefinic gasoline, separating the resultant conversion products into a vapor fraction containing the olefinic gasoline and a liquid fraction containing the powdered catalyst, fractionating said vapor fraction to separate the olefinic gasoline, introducing the olefinic gasoline and said fraction containing the powdered catalyst into a zone containing a bed of powdered cracking catalyst at a rate such that the bed of catalyst is maintained in a state of motion and therein treating the gasoline fraction under conditions regulated to produce a substantially olefin-free gasoline while simultaneously separating catalyst from said fraction as the latter passes in contact with said bed of catalyst.

2,353,732
WIRE CONNECTOR
Charles C. Kingsley, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1942, Serial No. 449,093
4 Claims. (Cl. 173—340)



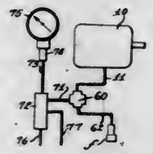
3. A connector for insulated electrical wires comprising an elongated tubular member, means in the bore of said member for effecting an electrical connection between the abutting ends of the wire positioned therein, and tubular members of substantially oval cross section rigidly secured on each end of said first member, on the outer surface thereof for firmly gripping the wires to prevent displacement at said abutting ends, said tubular members projecting a short distance beyond the ends of said first members.

2,353,733
WELDING SYSTEM
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 3, 1943, Serial No. 493,403
11 Claims. (Cl. 320—1)



1. An electrical welding system comprising a source of power, a transformer having primary and secondary windings, a circuit for supplying energy from said power source through said primary winding in one direction to induce welding impulses through said secondary winding, means for resetting the flux in said transformer, and means responsive to a failure of said flux resetting means for disconnecting said source of power from said circuit.

2,353,734
INDICATOR FOR CYCLIC LUBRICATING INSTALLATION
Edward H. Kocher, Boonton, N. J., assignor to Auto Research Corporation, a corporation of Delaware
Application August 3, 1940, Serial No. 350,646
5 Claims. (Cl. 184—7)



1. In a centralized lubricating installation of the type that comprises a multiplicity of widely distributed bearings, a centralized source of lubricant therefor, a distributing system supplied from said source and having branches to said various bearings in parallel, each branch including a restricted flow proportioning metering fitting, a pump associated with said lubricant supply and functioning constantly during the operation of the lubricated mechanism, means for by-passing the output of said pump, means under control of the lubricated mechanism for closing said by-pass for only a small fraction of the time spaced by relatively long intervals during which the by-pass remains open, thereby to apply pressure lubricating impulses from the pump to the distributing system during short periods, to effect the feed of lubricant through the distributing system and the metering fittings thereof to the respective bearings and to release the pressure on the distributing system and discontinue lubricant feed thereto during the long intervals between lubrications; the combination therewith of means for ascertaining the operative effectiveness of the lubricating system, said means comprising a pressure gauge connected to the distributing system and a fitting between the gauge and the distributing system affording a minute leak for slow release of pressure from the pressure gauge after release of pressure on the distributing system, to register affirmative pressure upon said gauge for a substantial part of the interval between lubricating impulses.

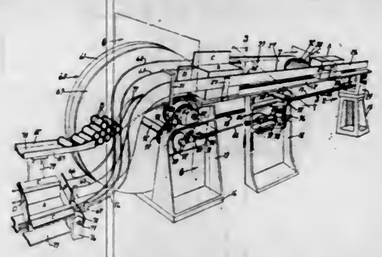
2,353,735
GERMICIDAL SOAP
Eric C. Kunz, Montclair, Max Luthy, Ridgewood, and William S. Gump, Nutley, N. J., assignors to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application February 21, 1941, Serial No. 380,074
3 Claims. (Cl. 252—107)

3. A germicidal soap comprising a detergent soap and from 1% to 3% by weight of 2,2'-dihydroxy-3,5,6-3',5',6'-hexachloro diphenyl sulfide.

2,353,736
CAN UNLOADING MACHINE
John D. Le Frank, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 7, 1942, Serial No. 429,940
7 Claims. (Cl. 214—1.1)

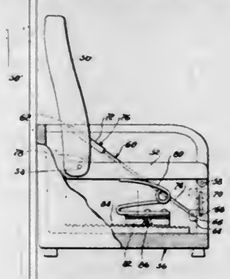
7. A machine for opening unsealed cartons having overlapping outer and inner closure flaps and for unloading empty cans contained within

the cartons, comprising in combination, a conveyor for advancing the cartons along a predetermined path of travel, means disposed adjacent said conveyor for prying under and for swinging open the outer flaps of the cartons, means for



engaging and for swinging open the inner flaps of the cartons to expose the cans therewithin, and devices also disposed adjacent the conveyor in the path of the opened cartons for separating the exposed cans from the opened cartons.

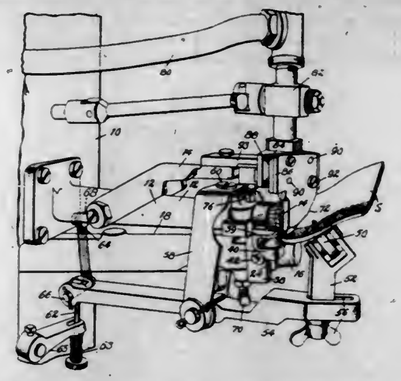
2,353,737
CHAIR
Anton Lorenz, Chicago, Ill.
Application September 14, 1942, Serial No. 458,188
11 Claims. (Cl. 155—55)



1. A chair comprising: a support, a seat structure, a pivotal construction connecting said seat structure with said support for a swinging movement of said seat structure about the pivot of said pivotal construction from a sitting position into a rearwardly inclined position and from said rearwardly inclined position into said sitting position, a carriage movably arranged on said support, resilient means mounted on said carriage for participating in a movement thereof, said resilient means being in loose and slidable engagement with said seat structure, said carriage being movable relative to said seat structure toward and away from said pivotal construction, and driving means associated with said carriage for displacing same relative to the seat structure.

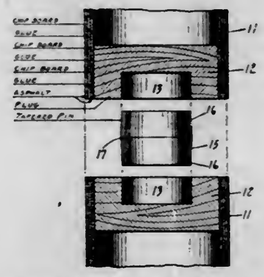
2,353,738
SOLE PREPARING MACHINE
Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 7, 1943, Serial No. 471,525
6 Claims. (Cl. 12—22)

1. In a machine for operating on shoe soles, feeding mechanism engaging the margin of a sole and constructed and arranged to impart a transverse curvature thereto, and gages associated with said feeding mechanism and so positioned with respect to it that a cross feed is produced,



the last-encountered gage comprising an inverted conical member positioned to contact the full width of the edge of the sole.

2,353,739
EXPLOSIVE CONTAINER
Donald G. Magill, Great Neck, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 7, 1940, Serial No. 364,734
5 Claims. (Cl. 102—22)

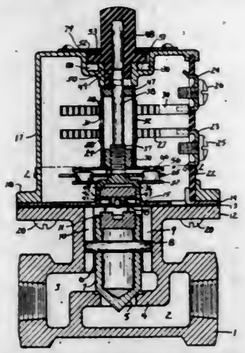


1. A unitary package for explosives or the like in which the explosive is sealed in two or more individual containers, which comprises individual water and moisture-proof fibre can bodies, end plug members for closing and sealing the ends of said bodies with the contents confined therein, said members extending a short distance into said ends and in contact with said bodies to support and lend rigidity to said bodies, and a connecting pin adapted for engagement with the end members of two adjacent can bodies for securing the individual containers together in bodily contact one with the other to form a unitary package.

2,353,740
CONTROL APPARATUS
Homer E. Malone, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application January 19, 1942, Serial No. 427,255
16 Claims. (Cl. 137—139)

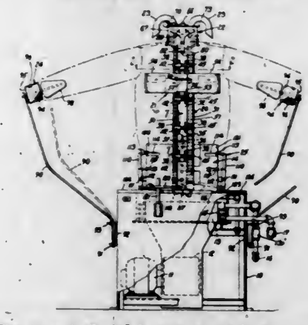
1. In combination, a first magnet, a second magnet, said magnets being located adjacent each other so as to be influenced by each others magnetic field, the polarity of said magnets be-

ing constant relative to each other, means providing for two types of relative movement between the magnets, one type of relative movement being predominantly linear and the other type of movement being predominantly twisting, a first movable member actuated by one type of relative



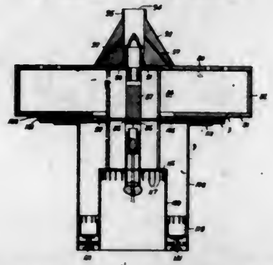
movement between the magnets, a second movable member for imparting the other type of relative movement to said magnets, a condition responsive device for actuating said second movable member, and a slip friction drive mechanism between said condition responsive device and said second movable member.

2,353,741
GARMENT DRIER
Albert Matthews, Robert C. Pauly, and Bruce E. Maxon, Cincinnati, Ohio, assignors to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application February 20, 1943, Serial No. 476,548
12 Claims. (Cl. 223—70)



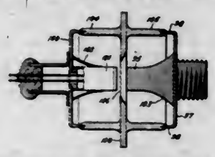
1. Garment finishing apparatus, comprising a frame having a top opening and provided with means for discharging a stream of heated air through said opening, means for securing the end edge portions of the garment skirt around the edge of said opening, an upright relatively narrow elongated post near the front portion of the edge of said opening, the width of said post being of the order of that of a shirt buttonhole strip, means on said post for releasably holding the button and button hole strips of said garment, and a closure for the neck opening of the garment also supported by said post, the garment body being free of support except at the neckband and along the button and buttonhole strips and at the edges of the shirt, and thereby being adapted to balloon when the air stream is flowing.

2,353,742
HIGH-FREQUENCY APPARATUS
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 26, 1941, Serial No. 408,363
9 Claims. (Cl. 315—6)



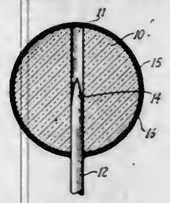
1. High frequency apparatus including three coaxial disk-like members mounted in mutually spaced relation and forming the boundaries of a pair of cavity resonators, an electronic discharge device having a cathode, a grid and an anode mounted in end-to-end relation in the order named, the said device extending through the central one of said members and having its extremities respectively located within the said cavity resonators, means providing high frequency connections between the said cathode and anode and the outer ones of said members, and further means providing a high frequency connection between the grid and the central one of the members, said connecting means including a pair of planar conductive bodies respectively defining the end walls of the said discharge device and constituting terminals for the said cathode and anode, and a third planar conductive body extending peripherally from the lateral wall surface of the device and providing a terminal for the said grid, the said conductive bodies being approximately coplanar with said members to which they are respectively connected, whereby the bodies form electrically continuous extensions of the members.

2,353,743
HIGH-FREQUENCY ELECTRONIC DISCHARGE DEVICE
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 26, 1941, Serial No. 408,364
17 Claims. (Cl. 250—27.5)



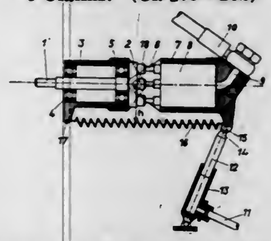
1. A high frequency electronic discharge device comprising an evacuated enclosure, a pair of metal members forming the end walls of the enclosure, said members being insulatingly separated by hollow vitreous spacing means which forms the lateral wall of the enclosure, an anode structure and a cathode structure respectively supported by said members in end-to-end relation within the enclosure and having opposed discharge surfaces of generally similar dimensions, each of said structures providing a continuous conductive connection between the discharge surface of such structure and the wall-forming member supporting the structure, said conductive connection being at all points of at least as great a perimeter as the said discharge-receiving surface itself, and a control electrode positioned between said anode and cathode structures.

2,353,744
METHOD OF MAKING COATED ORNAMENTAL OBJECTS
Maximilian C. Meyer, Brooklyn, N. Y.
Application November 24, 1941, Serial No. 420,270
1 Claim. (Cl. 117—66)



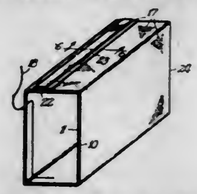
The method of forming a simulated pearl which comprises coating a plastic sphere having a hole extending therethrough with a protective coating that extends over and blocks one end of said opening, coating said protected sphere with a coating of pearl essence in a solvent which would deleteriously attack said plastic sphere, and finally rupturing said coating over said hole after said solvent has substantially evaporated.

2,353,745
ADJUSTABLE STROKE PUMP
Hans Molly, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian
Application August 10, 1940, Serial No. 352,147
In Germany August 11, 1939
5 Claims. (Cl. 103—162)



1. An automatically regulated hydraulic pump of the piston type, comprising a cylinder block formed with a plurality of cylinder bores, means for supporting said block for rotation about its axis, pistons in said cylinder bores, a driving flange mounted for rotation about its axis, a bearing providing support for the driving flange, piston rods for operatively connecting said pistons with said driving flange, said cylinder block and said driving flange being arranged so as to allow variation of the stroke of the pump in response to the inclinations of one part relative to the other, and means tending to decrease the stroke of the pump in response to an increase in the pressure thereof, the action of said means being counteracted by a spring tending to increase the stroke of the pump said spring being so disposed that its effective lever arm varies relative to its tension variation, to determine the rocking moment exerted by the spring.

2,353,746
PACKAGING PROCESS
George Arlington Moore, New York, N. Y., assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application July 13, 1940, Serial No. 345,397
7 Claims. (Cl. 99—171)



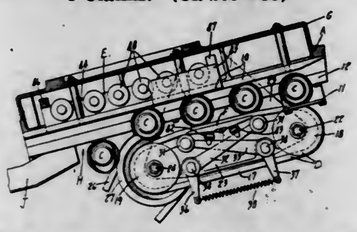
1. The method of packaging coffee, which comprises loading a quantity of freshly roasted comminuted coffee in a gasproof container having an interior surface of rubber hydrochloride, providing a fibrous strand coated with a thermoplastic material compatible with said rubber hydrochloride, welding said strand to the interior of said container so that a portion of the strand passes transversely through a seam of the container and another portion is secured along the interior surface of the rubber hydrochloride on the inside of the container and below and parallel to the seam, and heat-sealing the container.

2,353,747
DENTAL MATRIX RETAINER
James D. Morrison, Medicine Hat, Alberta, Canada
Application August 6, 1942, Serial No. 453,891
5 Claims. (Cl. 32—63)



1. A means for securing respective ends of a crossed matrix band upon oppositely movable blocks comprising pins in the upper face of each block diverging from each other and adapted to receive a terminal end of a matrix band thereon and a loop device swingably mounted upon each block, the bight portion thereof overlying the band and cooperable with the pin for retaining the band thereon in one direction of movement of the blocks.

2,353,748
CAN RUNWAY
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 24, 1942, Serial No. 466,769
5 Claims. (Cl. 209—88)



1. In a runway for the passage of round cans through a closed section having a ceiling and an

open section, the combination of electro-magnetic means for holding the cans in suspended position while they pass the open section of the runway, the closed section of the runway including yieldable means for holding the moving cans against said ceiling, a detector element disposed adjacent the closed section of said runway for detecting cans which are out-of-round, and an electric switch responsive to and operable by said detector element for deenergizing said electromagnetic means to eliminate the said out-of-round can from said runway by dropping it through the said open section.

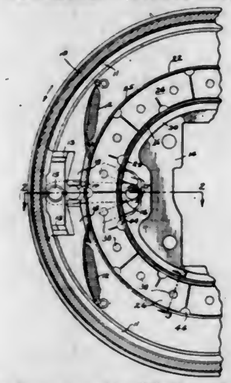
2,353,749

ELECTROMAGNETIC FRICTION DEVICE

John George Oetzel, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois

Application December 3, 1941, Serial No. 421,441

16 Claims. (Cl. 188—138)



1. An electromagnetic friction device combining a magnet ring having an annular friction face with two pole faces substantially flush therewith, an armature ring adapted to be brought into gripping engagement with said friction face upon energization of the magnet and coacting with said magnet ring to form a substantially closed flux circuit, and means in said flux circuit providing an air gap defined by straight sided walls diverging relative to each other transversely of said magnetic circuit.

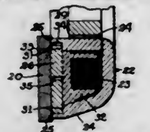
2,353,750

ELECTROMAGNETIC FRICTION DEVICE

John George Oetzel, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois

Application June 7, 1943, Serial No. 489,918

7 Claims. (Cl. 188—161)



4. A magnet comprising a ring of magnetic material providing two concentric poles, and a ring of friction material supported by said poles with its friction face substantially flush with the faces of said poles, said friction ring being spaced from the adjacent inner pole whereby to allow freedom of thermal expansion of the latter.

2,353,751

VALVE MECHANISM

Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application December 31, 1940, Serial No. 372,445

22 Claims. (Cl. 251—119)



3. In a valve mechanism, in combination, means providing a valve seat, a valve guard element, a valve element coacting with said valve seat, a spring element having substantially the same contour as said valve and arranged between said valve and guard elements contacting with said guard element at points between its points of contact with said valve element, and projecting portions on said spring element engageable initially substantially at their peaks by said valve element when said valve element is partially opened to cause a modified flexure of said spring element.

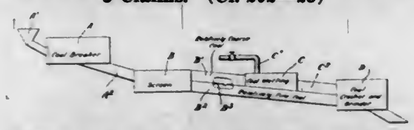
2,353,752

PREPARING COAL FOR CONVERSION INTO METALLURGICAL COKE

Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, Dover, Del., a corporation of Delaware

Application January 3, 1941, Serial No. 372,987

3 Claims. (Cl. 202—25)



1. The method of preparing dry, crushed coal for conversion into metallurgical coke by high temperature carbonization, which consists in separating the coal into two portions, one of which contains relatively coarse particles and is sufficiently large to hold the amount of water needed to increase the average moisture content of said coal portions to not less than about six per cent and not more than about eleven percent, and the second of which portions contains relatively fine particles, adding said amount of water to the said portion of the coal containing relatively coarse particles, and mixing the two coal portions and increasing the fineness of the mixture by a crushing and grinding action.

2,353,753

COKING HIGH VOLATILE COAL

Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation New York, N. Y., a corporation of Delaware

No Drawing. Application December 2, 1941, Serial No. 421,368

5 Claims. (Cl. 202—33)

1. The method of producing a coke similar in density and strength to metallurgical coke, from coal having a volatile content substantially higher than thirty-five percent, which consists in forming a moist mass having a moisture content of ten to fourteen percent and a solid content consisting wholly or mainly of the first mentioned coal in such a finely divided state that about eighty per cent will pass through a screen adapted to pass particles about two millimeters in diameter, compressing said mass into a body having a non-volatile content of from thirty-three to thirty-eight pounds per cubic foot, and coking said body in a coking chamber in which said body is subjected to carbonization temperatures of the order of or about 1800° F.

2,353,754

COLOR PHOTOGRAPHY USING METALLIC SALT COUPLER COMPOUNDS

Willard D. Peterson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 7, 1942, Serial No. 464,893

14 Claims. (Cl. 95—6)

1. The method of producing a color-forming photographic emulsion which comprises forming a sensitive silver salt in a colloidal material and then incorporating in said material a coupler compound containing a heterocyclic nucleus having therein a group selected from the class consisting of imino and mercapto groups, the hydrogen atom of which is replaceable by a metal atom to render the compound non-diffusing, said group being not more than two atoms distant from an atom which has an unshared pair of electrons, and forming a metallic salt of said coupler compound less soluble than said sensitive silver salt by replacement of the hydrogen atom of said group with the metallic atom.

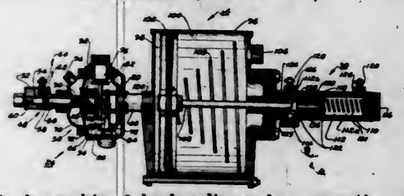
2,353,755

POWER BRAKE

Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application December 5, 1940, Serial No. 368,560

10 Claims. (Cl. 188—152)



1. A combined hydraulic and pneumatic control system comprising a master cylinder, a motor cylinder, an auxiliary master cylinder, a piston in the auxiliary cylinder having a passage therethrough with a valve seat formed at the end thereof, a connection between the motor cylinder and the auxiliary cylinder on one side of the piston, a connection between the master cylinder and the auxiliary cylinder on the other side of the piston, power means for exerting force on the piston, and means associated with the power means for closing the passage through the piston, said last named means comprising a rod connected to the power means and a valve for closing the passage capable of universal swiveling movement relative to the rod so as to be self-aligning with the valve seat on the piston.

2,353,756

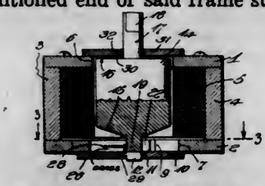
MAGNETIC ACTUATOR

Osborne I. Price, Frederick, Md., assignor to Magnetic Devices, Inc., Frederick, Md., a corporation of Maryland

Application May 6, 1941, Serial No. 392,166

6 Claims. (Cl. 175—336)

1. A magnetic actuator comprising a frame structure, an actuating winding associated with said structure, a rotatable armature member disposed within said winding, one end of said frame structure having an opening therein with the wall of the opening closely adjacent to the periphery of the armature member, means for journalling opposite ends of said armature with respect to said frame structure, said means at said first mentioned end of said frame structure constituting an auxiliary magnetic plate member disposed closely adjacent to the end surface of the armature member, both the end surface of said armature member and the surface of said auxiliary magnetic plate being substantially as extensive as the maximum diameter of said armature member for partially diverting the lines of force from said frame structure through said plate.



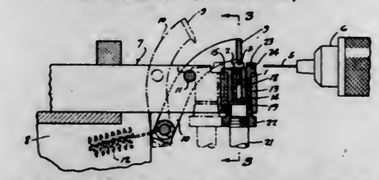
2,353,757

DRILLING APPARATUS

Charles H. Priest, Jr., Pasadena, Calif.

Application November 4, 1941, Serial No. 417,789

10 Claims. (Cl. 77—62)



1. In a jig for an object to be drilled, a hollow body having a longitudinal axis, as well as a drill guiding passage transverse to the axis, and an axially adjustable member in said body, having a surface serving as a rest for the object, as well as an aperture coaxial with said axis for accommodating a portion of said object.

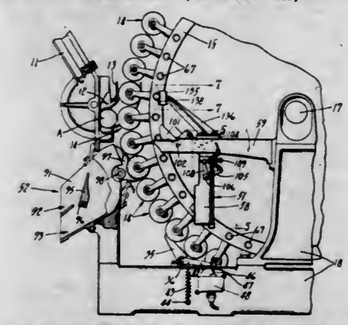
2,353,758

CAN TESTING MACHINE

Carl F. Peck, Jersey City, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application April 1, 1941, Serial No. 386,380

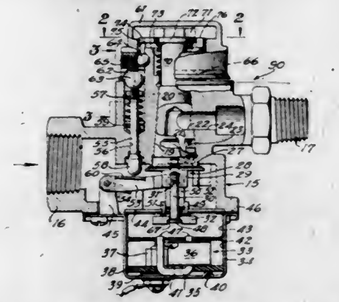
7 Claims. (Cl. 209—82)



5. In a machine for testing containers for internal collar bands, the combination of a sup-

port for said containers, means on said support for engaging and holding a container to be tested, means cooperating with said holding means and engageable with a container to be tested to shift laterally relative to said support a container having a properly fitted collar band, and means engageable against the exterior side wall of a supported container for detecting containers having improperly fitted collar bands in accordance with the relative position of said containers laterally of said support.

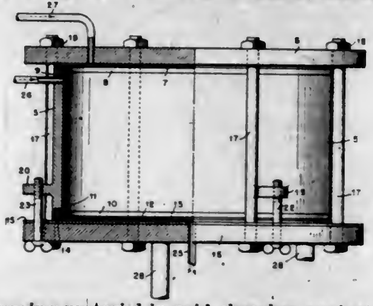
2,353,759
FLUID CONTROL VALVE
William A. Ray, Los Angeles, Calif.
Application September 26, 1941, Serial No. 412,380
2 Claims. (Cl. 277—25)



1. In combination: a rotatable plug; a valve casing having a main and a supplemental outlet passage and a common inlet, and providing a seat for said plug to which said outlet passages extend; said plug having a main and a supplemental passage movable by the rotation of the plug into and out of communication at said seat with said main and supplemental passages respectively; a safety valve in said common inlet and controlling fluid flow to said plug passages; means whereby rotation of said plug, while said main passages are out of communication, effects movement of said safety valve to open position; and means for normally maintaining the safety valve in said open position; said supplemental passages being so oriented with respect to the main passages that the former are in communication when the safety valve is moved to open position; the end of one of said supplemental passages at said seat being so elongated that the supplemental passages are also in communication when the plug is rotated to a position wherein said main passages are in register; the plug being rotatable to another position wherein both the main and the supplemental passages are respectively out of communication so that fluid flow through the casing is then completely obstructed regardless of the condition of the safety valve.

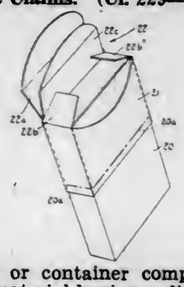
2,353,760
PRESSURE-MEMBRANE EXTRACTION APPARATUS
Lorenzo A. Richards, Riverside, Calif.; dedicated to the free use of the People in the territory of the United States
Application July 16, 1941, Serial No. 402,715
6 Claims. (Cl. 210—185)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A device of the character described comprising a chamber, a porous membrane forming one wall of said chamber, means for introducing gas under pressure into said chamber, and means



for urging material in said chamber against said membrane when gas under pressure is in said chamber.

2,353,761
CARTON OR CONTAINER
William A. Ringler, Wayne, Pa., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application February 7, 1942, Serial No. 429,846
12 Claims. (Cl. 229—7)

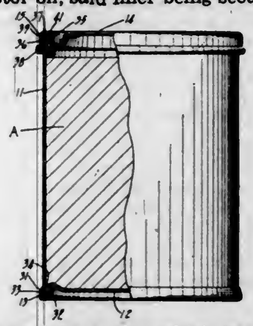


1. A carton or container comprising a body part of sheet material having a dispensing opening at or approximate one end, said body part being otherwise closed, a flap carried by said body part adjacent its dispensing opening, said body part being weakened along a line which extends peripherally thereof intermediate of and transversely to its length to afford reduction of size, a shell formed of sheet material and embracing said body part and having a configuration closely approximating the configuration of the said body part, said shell being weakened in a manner substantially corresponding to the weakening of said body part to afford corresponding reduction of size, said shell having an open end adjacent the dispensing opening of said body part, and closure flap means carried by said shell proximate its said open end and arranged to embrace said flap of said body part for jointly closing the dispensing opening of said body part and for retaining said shell in fixed position relative to said body part.

2,353,762
CONTAINER
John E. Robinson, Glen Ellyn, and Richard P. Bigger, Lombard, Ill., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 28, 1941, Serial No. 381,182
8 Claims. (Cl. 229—3.5)

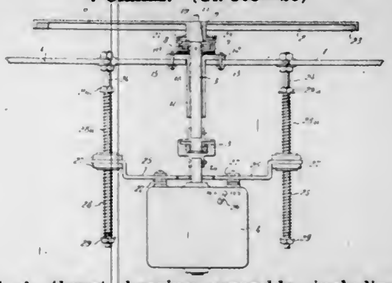
1. An oil-proof fibre container for lard, vegetable and mineral oil and the like, comprising a

container body having a plurality of fibre layers held together with an adhesive, and an inner liner of sulphite paper impregnated with hydrogenated castor oil, said liner being secured to the



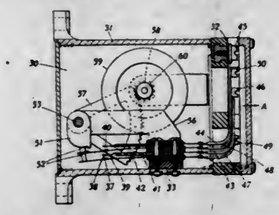
inside body wall by a glue which has been dispersed in water with a sodium salt of a sulphonated dioctyl ester of a dibasic acid and with a liquid hydrocarbon.

2,353,763
THRUST BEARING
Isaac Peace Rodman, Cambridge, Mass., assignor to Columbia Recording Corporation, New York, N. Y., a corporation of Delaware
Application December 4, 1942, Serial No. 467,826
7 Claims. (Cl. 308—26)



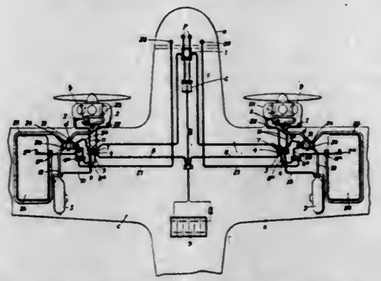
1. A thrust bearing assembly including a shaft-guiding bushing, a rotating shaft journalled in said bushing, a flange on said bushing adapted to be secured to a supporting panel, a thick washer of resilient material around said shaft and adjacent the top of said flange, an annular bearing plate of channel section having an inner rim and an outer rim and supported upright by seating on said washer whereby automatically to align said bearing, an annular bearing collar of channel section inverted with respect to the channel section of said plate and having an inner rim and on outer rim, the inner rim of said collar engaging said shaft whereby said collar is rotated, the outer rim of said collar being of greater thickness than the inner rim thereof and terminating in a thrust bearing surface against the inside bottom of the channel of said bearing plate, means on said shaft to transfer thrust from said shaft to said collar, the inner rim of said plate being shorter than the outer rim of said collar, the outer rim of said plate being longer than any of said other three rims and extending above said collar, oil-sealing means positioned between said collar and the outer rim of said plate, and cap means cooperating with the outer rim of said plate to retain said oil-sealing means in position.

2,353,764
GRAVITY OPERATED ELECTRIC SWITCH
Hubert Mackenzie Salmond, Farcham, and Anders Mathisen, Highborn, London, England, assignors to Graviner Manufacturing Company Limited, London, England
Application October 23, 1939, Serial No. 300,833
In Great Britain November 17, 1938
2 Claims. (Cl. 200—52)



1. In a gravity operated inversion switch, a casing comprising an abutment, a shaft rotatably mounted on said casing, a cam keyed on said shaft, a pendulum member fixedly mounted on said shaft extending in only one direction therefrom and adapted to engage said abutment, said abutment being so positioned on said casing that when said casing is in normal position said pendulum member will rest in substantially horizontal position against said abutment, switch means actuatable by engaging means engageable with the contour of said cam, the said cam having its contour so shaped that when said pendulum member rests against said abutment said engaging means holds said switch means in the unactuated position, and when said pendulum member is substantially displaced from said abutment said switch means is released into actuated position, and control means comprising a plunger member engageable with said pendulum member for locking the same in normal position and holding said switch means in unactuated position.

2,353,765
FIRE EXTINGUISHING SYSTEM WITH REMOTE CONTROLLED SELECTIVE MULTIWAY DISTRIBUTION
Anders Mathisen, Osterley, Isleworth, England, assignor to Graviner Manufacturing Company Limited, Osterley, Isleworth, Middlesex, England
Application October 7, 1941, Serial No. 414,018
In Great Britain December 28, 1940
11 Claims. (Cl. 169—2)



1. In a fire extinguishing system, a fluid container, a two-position valve, a displaceable valve element in said valve, an inlet passage in said valve and two outlet passages from said valve,

an inlet pipe connecting said inlet passage to said container, a first outlet pipe connecting one of said outlet passages to a primary source of fire risk and a second outlet pipe connecting the second outlet passage to a secondary source of fire risk, and means for retaining said valve element in a position to provide a normally open conduit from the container to the primary source of fire risk and to close the outlet passage to the secondary source of fire risk.

2,353,766

TREATMENT OF HYDROCARBONS

Louis Schmerling, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application May 9, 1942, Serial No. 442,383
21 Claims. (Cl. 260—658)

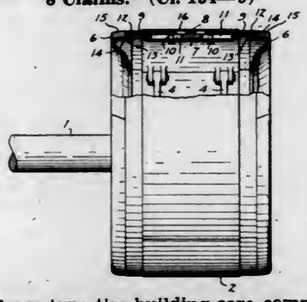
1. A process which comprises reacting an isoparaffinic hydrocarbon with a halo-olefin in the presence of a metal halide catalyst.

2,353,767

TIRE BUILDING DRUM

Emil F. Schnedarek, Akron, Ohio, assignor, by mesne assignments, to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio

Application December 29, 1937, Serial No. 182,269
8 Claims. (Cl. 154—9)



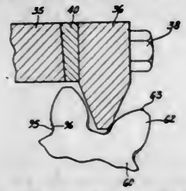
1. A drum type tire building core comprising a central segmental collapsible band having a substantially cylindrical exterior peripheral face and independently collapsible side rings each having a peripheral face substantially flush with the peripheral face of the central band, and inner marginal edge portions underlying the central band.

2,353,768

GEAR CUTTER

Bernard Edward Shlesinger, Irondequoit, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application April 2, 1942, Serial No. 437,404
4 Claims. (Cl. 29—105)



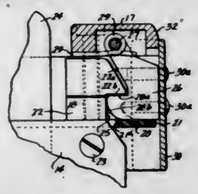
1. A face-mill gear cutter comprising a rotary head and a plurality of annularly arranged cutting blades whose cutting portions project beyond one side face of the head in the general direction of the axis of the head, the cutting portion of each blade having a projection formed on one side near the top of the blade, the side edge of each projection being parallel to the side edge of the principal part of the blade, the blades being all of the same height and the projections on all the blades being formed at the same distance from the aforesaid side face of the head.

2,353,769

REMOVABLE HOOD

Harold F. Stiffler, Medway, Ohio

Application August 5, 1943, Serial No. 497,535
5 Claims. (Cl. 95—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



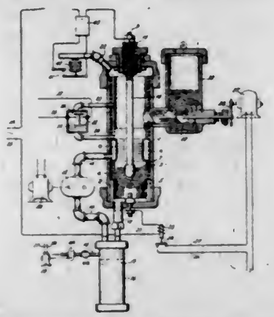
1. In combination with a film holder having a notch at each upper corner; a hood enclosing the upper end of the film holder; a spring-actuated latch at each end of the hood and adapted to engage the notch in the adjacent corner of the film holder; and a plate secured to each latch and providing convenient means for releasing the latch; each latch automatically engaging when the hood is moved down over the end of the film holder.

2,353,770

METHOD OF CARRYING OUT ELECTROTHERMIC REACTIONS

Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 26, 1941, Serial No. 380,640
9 Claims. (Cl. 204—171)



1. The method of generating hydrocarbon gas which consists in immersing a column of movably contacting particles of carbonaceous material in a body of a liquid comprising a hydrocarbon compound, conducting an arc-supporting current of at least about an ampere at a potential of at least about 30 volts through said column thereby forming a plurality of transient electric arcs at points of contact of said particles, said arcs being accompanied by decomposition of said hydrocarbon compound in the vicinity of said arcs thereby producing hydrocarbon gas, and maintaining said liquid otherwise below decomposition temperature.

2,353,771

METHOD OF PRODUCING CITRIC ACID BY FERMENTATION

Joseph Szücs, New York, N. Y.

No Drawing. Application January 29, 1943, Serial No. 474,006
6 Claims. (Cl. 195—36)

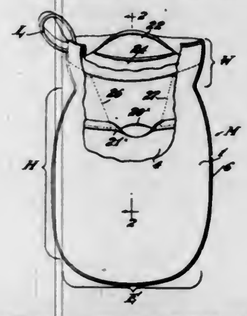
4. A method of producing citric acid by submerged fermentation, comprising adding a mycelium of *Aspergillus niger* separated from its growth solution to an aqueous fermentation solution containing a sugar material and nutrient salts with the exception of assimilable phosphorus compounds agitating said fermentation solution to immerse and disperse the mycelium and passing an oxygen-containing gas in finely dispersed condition through said solution.

2,353,772

TOILET POWDER DISPENSING DEVICE

Daniel Topjian, Watertown, Mass., assignor, by mesne assignments, to himself, as trustee

Application June 27, 1942, Serial No. 448,747
10 Claims. (Cl. 15—227)



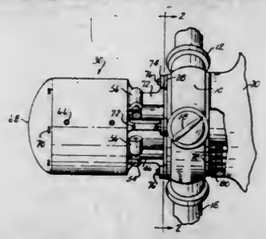
1. A refillable powder-dispensing mitt of the kind which includes three registering layers of flexible material, one of said layers being a palm member of powder-pervious material and whose shape and area approximate those of the hand upon which the mitt is worn, the second layer being a powder-impervious liner, and the third layer constituting the back of the mitt, stitches permanently uniting said layers along the lateral edges of the mitt and about the fingertip portion of the mitt but leaving the several layers free at the wrist portion thereby defining a powder-receiving pocket and a hand-receiving pocket, and closure means for the powder-receiving pocket located within the wrist portion of the mitt, characterized in that the palm member and liner are provided respectively with elements defining a transversely tapering filling funnel whose inner, smaller end is disposed within the powder pocket, the closure means comprising overlapping shutters secured to the wrist ends of the palm and liner members respectively, and which normally close the larger end of the funnel, the shutter which is secured to the wrist end of the palm member defining one wall of a transverse channel in which the other shutter is normally disposed.

2,353,773

CONTROLLABLE PITCH PROPELLER

Charles Unterberg, Mobile, Ala.

Application February 20, 1943, Serial No. 476,533
2 Claims. (Cl. 170—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



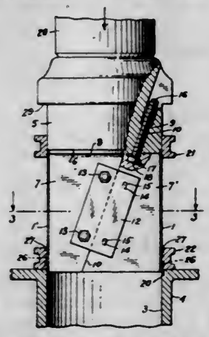
1. A variable pitch propeller comprising a propeller hub, radially extending bosses on said hub, blades having shanks rotatable in said bosses, and gears on the inner ends of said shanks, in combination with a self contained bodily removable control unit, concentrically secured to the forward end of said hub and comprising a fluid container made up of an outer cylinder, a concentric inner cylinder, and two heads for closing the ends of the annular space between said cylinders, an annular piston in said container dividing the annular space into two compartments, piston rods extending from said piston through the rearward head and into said hub, racks on the free ends of said rods positioned to mesh with said gears, and an electrically operated reversible pump carried on and bodily removable with the control unit, arranged for selectively pumping out of either compartment into the other.

2,353,774

CYLINDER LINER FORCING MANDREL

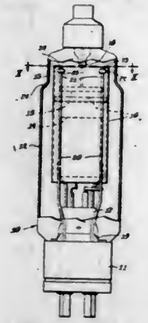
Frederick A. Wagner, Oakland, Calif.

Application October 22, 1941, Serial No. 416,090
9 Claims. (Cl. 29—282)



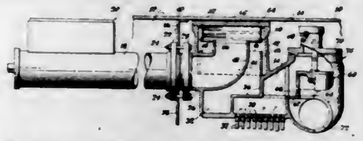
1. Apparatus for inserting thin flexible sheet metal cylindrical longitudinally jointed liners into a cylinder, comprising a press mandrel provided with a shoulder adapted to engage the outer end of the sheet metal liner and provided with an extension passing within the liner formed to support the liner from within along an area localized over the joint to maintain the edges of the liner flush at said joint as the liner enters the cylinder when the mandrel is operated, and means localizing pressure along the joint at the outside of the liner adjacent the point of entry of the liner into the cylinder.

2,353,775
ELECTRODE BRACE
Ward W. Watrous, Jr., Chatham, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 17, 1943, Serial No. 476,158
7 Claims. (Cl. 250—27.5)



1. An electron discharge device having an envelope and electrodes of which one electrode is cylindrical and coaxial within the envelope with an outer peripheral portion in proximity to an inner peripheral portion of the envelope, ceramic beads interposed at intervals between the said one electrode and said envelope, and resilient means on which said beads are mounted.

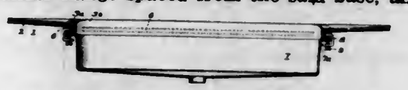
2,353,776
STEAM DELIVERY AND SUPERHEATER HEADER UNIT
Adolph J. Wegmann, Flushing, N. Y., assignor to Dri-Steam Products, Inc., a corporation of Delaware
Application July 23, 1941, Serial No. 403,692
10 Claims. (Cl. 122—459)



1. A steam delivery and header unit for a superheater comprising a unitary housing having inlet and outlet chambers, a steam drier in the inlet chamber to remove particles of moisture from the steam prior to the passage of the steam through the superheater, a throttle valve in the outlet chamber to control the flow of steam, a partition between said chambers, connections on opposite sides of said partition for connection thereto of the tubes of the superheater, and a wall disposed in said inlet chamber in association with said drier to provide a passageway for steam on one side thereof and another passageway for particles of water on the other side thereof.

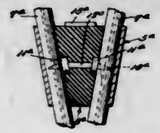
2,353,777
TABLE-TOP CONSTRUCTION
Walter J. Weissert, Carnegie, Pa., assignor to The Tracy Manufacturing Company, a corporation of Pennsylvania
Application October 17, 1941, Serial No. 415,399
3 Claims. (Cl. 311—107)

1. A self-contained edge-bound table-top construction for inclusion in sinks and like articles of furniture consisting essentially of a body structure composite of a relatively unyielding base and a relatively yielding facing thereon, a channel-shape edging strip embracing an edge of the said body structure with its outer flange in contact with an edge region of the said facing and with its under flange spaced from the said base, and



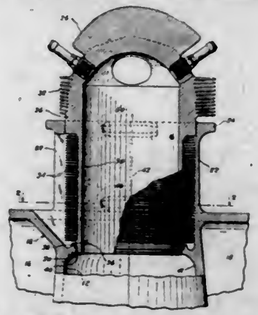
a U-shaped resilient metallic locking bar forced bight-first into the space between the base of the table-top body structure and the under flange of the edging strip, by its expansive force to integrate the edging strip with the body structure of the table-top and to press its upper flange against the facing thereof.

2,353,778
CONNECTOR FOR INSULATED CONDUCTORS
Michael A. Mattis, Shamokin, Pa.
Application December 16, 1941, Serial No. 423,208
4 Claims. (Cl. 173—340)



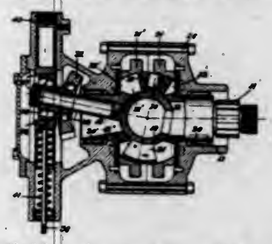
1. An electrical connector for at least two insulated wires, said connector comprising a casing formed with a tapering recess affording two opposed wedging surfaces and into the small end of which the wires are adapted to be inserted in the recess to lie along the said wedging surfaces, and a wedge inserted through the wider end of said recess between the wires lying along said wedging surfaces, said wedge having its working faces forcibly engaging the wires, conductive impaling points projecting from said working faces and piercing the insulation and engaging the conductors of said wires.

2,353,779
CYLINDER ATTACHING MEANS
Veon I. Moncrieff, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 9, 1941, Serial No. 414,319
10 Claims. (Cl. 123—171)



1. In an engine having a crankcase and a cylinder comprising a finned head portion and a finned barrel portion secured to said head portion, means for securing said cylinder in operative position onto said crankcase, comprising, an integral boss extending outwardly from said crankcase surrounding a depression in said crankcase, a guide seat surrounding an aperture in the bottom of said depression and engaging the inner end of said barrel portion, and means on said head portion engaging said boss at its outer end, said barrel fins extending over substantially the entire length of said barrel.

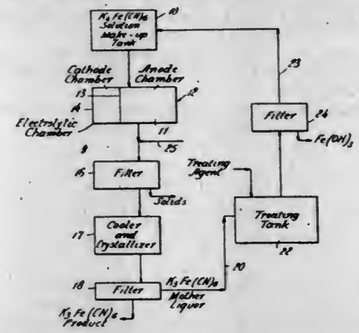
2,353,780
FLUID PUMP AND MOTOR
Alfons H. Neuland, Cleveland, Ohio
Application September 20, 1941, Serial No. 411,649
9 Claims. (Cl. 103—117)



1. In a fluid motor or pump, the combination of a rotor having a journal end portion providing a power connection and having a plurality of circumferentially spaced laterally extending arcuate separators formed integral with said end portion and shaped to provide concentric with each other and with the rotational rotor axis inner and outer spherical surfaces and between adjacent separators to provide arcuate working surfaces; a rotatable inner closure element having a convexly spherical surface in operative closure relation with the inner surface of said separators adapted to rotate on an axis angularly displaced with respect to the rotational axis of said rotor and provided with a plurality of projections extending outwardly between said separators; an outer closure element having a concavely spherical surface in closure relation with the outer surface of said separators forming therewith and with said inner closure element a plurality of quadrangular laterally extending displacement chambers between separators having spherically parallel inner and outer surfaces; means for rotationally supporting said rotor and said inner element on axes angularly displaced one with respect to the other; and a plurality of quadrangularly sectioned arcuate displacement elements fitted within said displacement chambers in operatively liquid-tight relation therewith and pivotally supported by said projections on axes perpendicular to the spherical surface of the inner element engaging said working surfaces and providing a driving connection between one of the separators and the inner element.

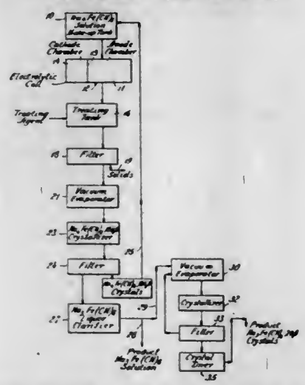
2,353,781
ELECTROLYTIC PREPARATION OF ALKALI METAL FERRICYANIDES
Hans R. Neumark, Forest Hills, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application May 2, 1942, Serial No. 441,499
8 Claims. (Cl. 204—91)

7. The process for making alkali metal ferricyanide comprising forming a starting solution containing alkali metal ferrocyanide, electrolytically oxidizing said alkali metal ferrocyanide solution under conditions to form alkali metal ferricyanide liquor containing alkali metal hydroxide, treating alkali metal ferricyanide liquor containing alkali metal hydroxide with material, of the group consisting of Prussian blue and ferrous ferrocyanide, reactable with alkali metal hydroxide to form soluble alkali metal ferrocyanide and to precipitate iron hydroxide, there-



by reducing the alkali metal hydroxide content of said liquor and converting alkali metal constituent of alkali metal hydroxide to soluble alkali metal ferrocyanide, separating iron hydroxide from said liquor, and returning soluble alkali metal ferrocyanide constituent of the resulting separated liquor to the subsequent starting solution.

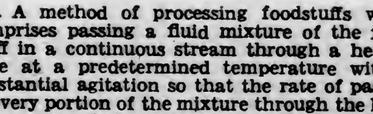
2,353,782
ELECTROLYTIC PREPARATION OF SODIUM FERRICYANIDE
Hans R. Neumark, Forest Hills, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application May 2, 1942, Serial No. 441,500
9 Claims. (Cl. 204—91)



1. The process for making sodium ferricyanide comprising electrolytically oxidizing a solution of sodium ferrocyanide to form a sodium ferricyanide solution containing sodium hydroxide and sodium ferrocyanide, treating the solution with an iron salt, of an acid of the group consisting of ferro- and ferricyanic acids, reactable with sodium hydroxide to form a soluble sodium ironcyanide and to precipitate iron hydroxide, the quantity of said salt being such as to lower pH of the treated solution to a value not higher than 10, separating iron hydroxide from the treated solution, concentrating the solution at

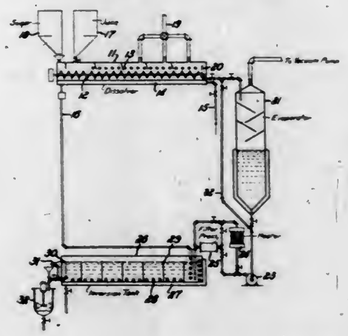
temperature not in excess of 80° C. to a sodium ferricyanide content of not less than 450 g. p. l., cooling the solution to crystallize sodium ferrocyanide, and separating sodium ferrocyanide crystals from the solution.

2,353,783
MANUFACTURE AND PROCESSING OF DISCHARGE DEVICES
Edward B. Noel, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application June 8, 1943, Serial No. 490,061
2 Claims. (Cl. 316—18)



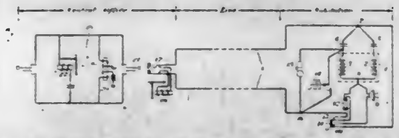
1. The method of manufacturing electric discharge devices which comprises hermetically sealing portions of lead-in conductors carrying electrodes at their inner ends into an envelope of vitreous material with the electrodes extending into the interior of the envelope, and also hermetically enclosing the outer ends of said conductors in vitreous material, evacuating the envelope and heating it to a temperature sufficient to oxidize the said outer ends of the conductors in the absence of the enclosing vitreous material, permitting the device to cool, and then removing the vitreous material enclosing the said ends of said conductors.

2,353,784
METHOD AND APPARATUS FOR PROCESSING FOOD PRODUCTS
Gustave T. Reich, Philadelphia, Pa.
Application November 30, 1939, Serial No. 306,981
11 Claims. (Cl. 99—132)



1. A method of processing foodstuffs which comprises passing a fluid mixture of the foodstuff in a continuous stream through a heating zone at a predetermined temperature without substantial agitation so that the rate of passage of every portion of the mixture through the heating zone is substantially equal to the overall rate of passage of the mixture through the zone, and adjusting the total volume of the mixture in the heating zone with respect to the rate of flow of the mixture into the heating zone to maintain each portion of the mixture in the heating zone for a predetermined constant period of time.

2,353,785
TELEPHONE SUBSTATION
Charles Stanley Rhoads, Albany, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 18, 1943, Serial No. 479,582
5 Claims. (Cl. 179—81)

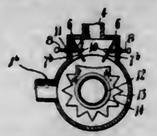


1. A telephone substation for connection to a telephone line comprising an induction coil one end of the primary winding and of the secondary winding being joined, a condenser individual to each of said windings and connected to the other end thereof, the said condensers being also connected to one side of the line, a transmitter connected between the junction of said windings and the said line in shunt with the primary winding and its associated condenser, a receiver connected between the said junction and the other side of said line, and a magneto-generator and a bell connected in parallel from the junction between the secondary winding and its condenser and the said other side of the line.

2,353,786
SOLUTION AND METHOD FOR STRIPPING OXIDE FILMS FROM ALUMINUM AND ITS ALLOYS
Earl Ross, Clayton, Mo., assignor of one-third to Russell J. Horsefield, St. Louis, Mo.
No Drawing. Application November 1, 1943, Serial No. 508,653
2 Claims. (Cl. 134—28)

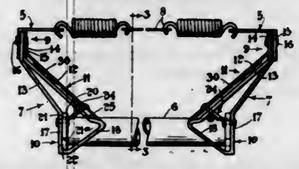
2. A method for stripping oxide film from parts made of aluminum and its alloys which comprises immersing said parts in a solution consisting of approximately 8.2% sulphuric acid, approximately 5.2% phosphoric acid, approximately 2% chromic acid, and approximately 84.6% water, then rinsing said parts in clear, cold water, and then dipping said rinsed parts in hot water.

2,353,787
INTAKE MANIFOLD FOR MULTICYLINDER ENGINES
Louis Rostoker and Stephen J. Evelyn, Toronto, Ontario, Canada
Application March 29, 1943, Serial No. 480,894
6 Claims. (Cl. 123—122)



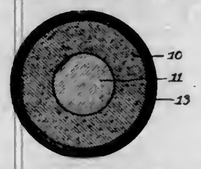
1. An intake manifold for a multi-cylinder engine, including a fuel distributing conduit extending generally longitudinally of the engine; ports in said primary fuel distributing conduit for communicating individually with the cylinders; a charge regulating chamber communicating with the conduit by means of an elongated longitudinally extending opening; a fuel mixture conducting riser communicating with the charge regulating chamber; and an adjustable deflector in the opening between the conduit and the chamber for regulating the flow of the fuel mixture.

2,353,788
CORNER CONSTRUCTION FOR BEDSPRINGS
Armini Rouleau, Granby, Quebec, Canada
Application June 22, 1942, Serial No. 448,041
In Canada January 9, 1942
6 Claims. (Cl. 5—205)



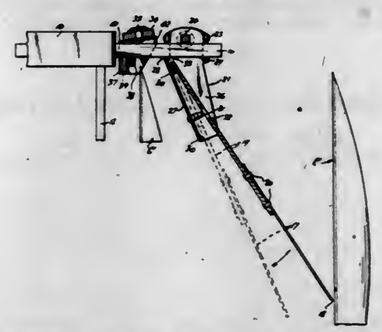
1. A bed spring comprising upper transversely extending end members, lower longitudinally extending side members, spring fabric stretched between said end members and corner members connecting the end members to the ends of the side members, each corner member consisting of a strip of metal bent to provide relatively offset upper and lower end portions joined together by an inclined intermediate portion, the upper end portion of each corner member being constituted by flatly engaged, parallel, vertically extending terminal portions of said strip and being attached to a vertical side surface of one of said upper transverse frame members so that the lower end portion of said bracket or corner member is offset inwardly toward the transverse centre of the frame, the intermediate portion of each corner member comprising spaced arm portions which converge from the lower toward the upper end portion of said member, and the lower end portion of each corner member comprising a vertically extending portion merging with the outer arm of said member and an upwardly and inwardly inclined portion connecting said vertically extending portion to the lower end of the inner arm of said member, said upwardly and inwardly inclined portion being provided with an opening through which the end of one of the side members is extended into abutting engagement with the inner face of said vertically extending portion.

2,353,789
REPELLENT ROLL FOR HANDLING ADHESIVE SHEETS
Gustave Schieman, Bronx, N. Y., assignor to International Plastic Corporation, Morristown, N. J., a corporation of Illinois
Application April 17, 1942, Serial No. 439,347
9 Claims. (Cl. 164—60)



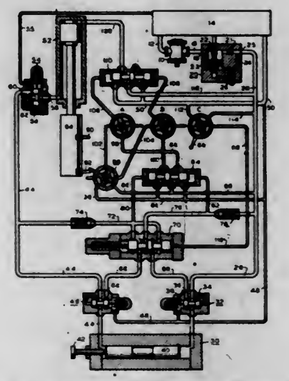
6. A repellent roll adapted for use in a slitting machine for slitting pressure sealing and pressure sensitive sheets and tape, comprising a base of soapstone carrying a smooth finish surface layer of material repellent to pressure sealing and pressure sensitive adhesives, said repellent material comprising approximately equal parts of an incompletely hydrolyzed polyvinyl acetate sold under the trade name "Solvar 405" and a sodium sulfonate of an oleic acid ester of an aliphatic compound sold under the trade name "Igepon AP."

2,353,790
SCRAPER MECHANISM
John P. Seaholm, Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application April 24, 1942, Serial No. 440,321
15 Claims. (Cl. 97—224)



6. A scraping mechanism for a harrow disk, comprising a scraper, a supporting mechanism including a member engaging the upper end portion of the scraper to hold the latter in operative position and movable to carry the lower edge of the scraper toward the disk into scraping engagement therewith or away from the disk into an idle position clearing the disk, the said upper end portion of the scraper and said member having parts supportably and disengageably engaging each other, said parts being disengageable in response to movement of the scraper toward the disk and such movement being restricted by the disk in working and idle positions of the scraper to thereby prevent such disengagement, the said member being also movable away from the disk beyond the idle position to permit disengagement of the scraper, and means limiting movement of the scraper with respect to the member in a direction away from the disk.

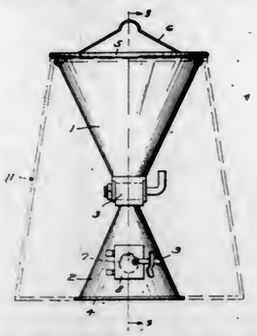
2,353,791
POWER TRANSMISSION
Robert A. Shartle, Rockford, Ill., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application June 29, 1942, Serial No. 448,895
4 Claims. (Cl. 60—52)



1. In a hydraulic power transmission system the combination with a source of pressure fluid, a

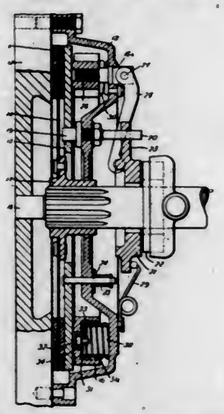
reciprocable fluid motor, means including a reverse valve and connections for supplying fluid to the motor to operate the same through alternate strokes of normal length in opposite directions, and additional means for controlling the flow of fluid to the motor to operate the same through alternate strokes of shorter length in opposite directions, said additional means including a volumetric displacement metering device.

2,353,792
COMBINATION DENSITY CONE AND DROP BUCKET
Maurice J. Sowell, Clovis, N. Mex.
Application February 10, 1943, Serial No. 475,417
3 Claims. (Cl. 73—151)



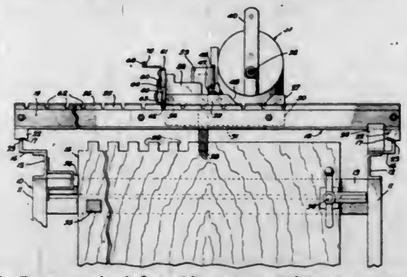
1. Hole size determination equipment of the character described comprising opposed upper and lower cones joined to each other and communicating at their apices, the upper cone for the reception of a supply of sand, the lower cone having a side opening therein at an intermediate point, a closure for said opening, and a valve for controlling the communication between the cones.

2,353,793
PLATE CLUTCH
George Enoch Stanley, Beddgelert, England
Application June 26, 1942, Serial No. 448,621
In Great Britain July 4, 1941
8 Claims. (Cl. 192—68)



1. A plate clutch having a driving member, a presser-plate in driving connection with the driving member, a driven disc to be clamped between the driving member and presser-plate when the clutch is engaged, a presser-ring for urging the presser-plate in the engaging direction, and two sets of spring means for holding the clutch engaged, said sets of spring means including a light-acting means interposed between and bearing oppositely upon the presser-ring and the presser-plate when the clutch is initially being engaged and a heavier-acting means operative directly upon the presser-ring to urge it toward the presser-plate.

2,353,794
MATERIAL WORKING APPARATUS
Miles L. Svikhart, Garden City Park, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 8, 1942, Serial No. 468,214
2 Claims. (Cl. 144—133)



1. In a material sawing apparatus, a supporting frame, means on said frame for securing work to be formed with predeterminedly spaced grooves, a carrier mounted on said frame for movement along a fixed path, a table mounted for movement on said carrier along a fixed path at an angle to said first path, a rotary saw and operating means therefor on said table for sawing a groove in the work during movement of said carrier, means on said carrier providing a series of notches spaced to correspond with the desired spacing of the grooves to be formed, and table locking and locating members rotatable in unison on and movable with said table, said locking member having an eccentric peripheral portion for engagement in said notches, said locating member having a blade portion laterally spaced therefrom for engagement in said notches, each of said rotatable members arranged to alternately engage in said spaced notches during a complete operating movement thereof for withdrawing the locking member from one notch and upon lateral movement of the table on the carrier to engage the locating blade in said notch and position the locking member for engagement in an aligned notch and then to lock said table to said carrier.

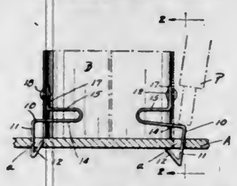
2,353,795
LOCKING FASTENER
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Original application November 20, 1940, Serial No. 366,472, now Patent No. 2,265,957, dated December 9, 1941. Divided and this application October 21, 1941, Serial No. 415,969
2 Claims. (Cl. 85—5)

1. A locking fastener for securing an object or part to a supporting part through an opening in said supporting part, said object having a positioning lug receivable in said opening in engagement with a wall thereof, said fastener including a strip of metal having a bent portion providing a shank comprising a leg member and a locking element yieldable with respect thereto and defining a shoulder normally spaced from said leg member a distance greater than the size of said



opening in the supporting part, and means connected to said shank adapted for attaching the fastener to the part to be secured to said supporting part, said shank in the assembled relation of said parts being receivable in the opening in the supporting part with the leg member thereof engageable with the wall of said opening at a point opposed to that engaged by said positioning lug on the part to be secured to said supporting part.

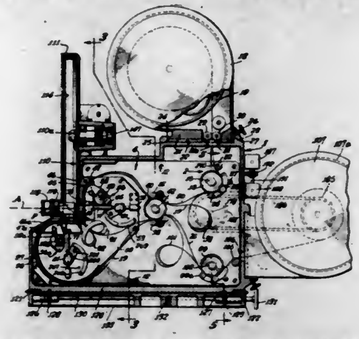
2,353,796
LOCKING FASTENER
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 21, 1941, Serial No. 415,969, which is a division of application Serial No. 366,472, November 20, 1940. Divided and this application November 13, 1943, Serial No. 510,191
5 Claims. (Cl. 85—5)



1. A locking fastener for securing an object or part to a supporting part through an opening in said supporting part, said fastener including a strip of metal having a bent portion providing a securing shank receivable in said opening in the supporting part, a resilient spring arm connected to said shank and extending at an angle thereto through a recess in said object to support said shank on one side of said object for substantially axial movement to final applied fastening position in said opening in the supporting part, and means connected to said spring arm for attaching the fastener at the opposite side of said object.

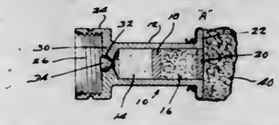
2,353,797
CAMERA FOR COLOR PHOTOGRAPHY
Albert W. Tondreau, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application April 28, 1942, Serial No. 440,796
6 Claims. (Cl. 88—16.4)

1. A camera comprising a casing having top and rear walls, an inlet for two films side by side in said top wall, and an outlet for two said two films side by side in said rear wall, two film gates at right angles to each other at the front of said casing, a pull-down device for each of said gates, a common sprocket, means for holding said two films in superposed relation on opposite sides of said sprocket, a pair of longitudinally spaced feed sprockets between said inlet and said common sprocket, a pair of longitudinally spaced take-up



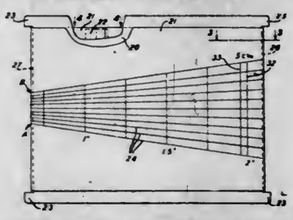
sprockets between said common sprocket and said outlet, said common sprocket comprising means for feeding said films in superposed relation to one of said gates and for feeding only one of said films to the other of said gates.

2,353,798
AMMUNITION
Charles L. Wainwright, San Bernardino, Calif.
Application March 6, 1942, Serial No. 433,537
2 Claims. (Cl. 43—84)



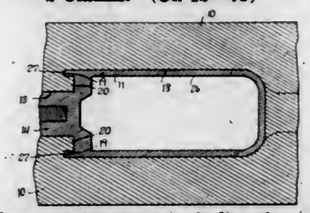
1. An article of manufacture comprising a cartridge, said cartridge having end portions of unlike transverse section and having an intermediate tubular portion, one of said end portions being threaded for functional positioning, and the other of said end portions being adapted to form a gripping point whereby a longitudinal pull may be applied to the cartridge to trip a firing mechanism.

2,353,799
MEASURING DEVICE
James N. Ward, West New York, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 17, 1943, Serial No. 479,439
2 Claims. (Cl. 33—107)



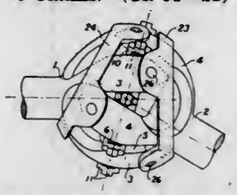
1. A measuring device comprising a laminar body member having two parallel straight edges, and a tape formed into an endless loop about the body and around the two said edges transversely of the edges.

2,353,800
FIREARM CONSTRUCTION
David M. Williams, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
Application February 4, 1942, Serial No. 429,448
2 Claims. (Cl. 42—75)



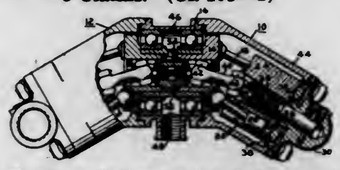
1. A firearm structure including in combination: a stock having an interior vertical longitudinal recess therein which is relatively wide at its forward end-portion and relatively narrow at its rear end-portion, the said stock being formed in each of the opposite side-walls of the said recess at the junction of its two said end-portions with one of two vertical stabilizing-ribs each having an outwardly-facing surface; a receiver-member extending into the upper part of the recess in the said stock; a trigger-plate member having a relatively-wide forward end-portion and a relatively-narrow rear end-portion respectively extending into the lower parts of the respective forward and rear end-portions of the recess in the said stock, the said trigger-plate member being formed on each of its respective opposite sides at the junction of its relatively-wide forward end-portion and its relatively-narrow rear end-portion with one of two vertical stabilizing-ribs respectively overlapping the adjacent one of the vertical stabilizing-ribs of the said stock, and each of the said vertical stabilizing-ribs of the said trigger-plate member having an inwardly-facing surface engaged with the outwardly-facing surface of the adjacent one of the said vertical stabilizing-ribs of the said stock to thereby hold the side-walls of the recess in the said stock against undue outward flexure; and coupling-means coupling the said receiver-member to the said trigger-plate member and constructed and arranged to transmit the rearward recoil shock of the said receiver-member to the said trigger-plate member.

2,353,801
UNIVERSAL JOINT
Sven Gustaf Wingquist, Remningstorp, Sweden
Application July 16, 1943, Serial No. 494,981
In Sweden April 7, 1943
3 Claims. (Cl. 64—21)



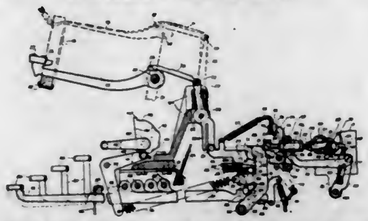
2. Universal joint having a single centre of deflection and comprising a driving and a driven joint member, arms on said joint members, transmission members interposed between the arms, rings mounted on the outside of the arms at the free ends thereof and rigidly connecting the arms with each other in a peripherial direction, and a housing embracing the joint members, the rings being spherical on the outside and the housing on the inside, relatively to the centre of deflection of the joint, and the housing bearing on the rings for holding the joint members from displacement toward each other.

2,353,802
POWER TRANSMISSION
Lukas Zimmermann, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application December 12, 1940, Serial No. 369,813
5 Claims. (Cl. 103—1)



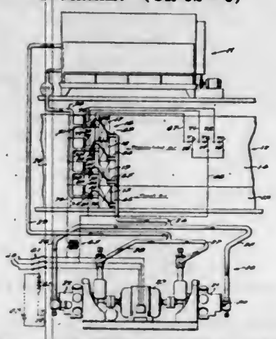
1. A fluid regulating device for proportioning flow through a pair of conduits connected in parallel, comprising a pair of rotary fluid pressure energy translating devices of the type having a drive member, a plurality of axially positioned cylinders, pistons reciprocable therein, and motion converting means for converting reciprocation of the pistons into rotation of the drive member, each device having a pair of connection ports constituting an inlet and outlet for the device, means forming a conduit connecting one port of each pair, the other ports of each pair being isolated from each other, a housing forming a mounting for said devices with their drive members adjacent to and in alignment with each other, and means connecting said drive members, said last means transferring both torque and thrust from either to the other of said drive members.

2,353,803
TYPEWRITING MACHINE
Henry A. Avery, Groton, and Charles Walker, Syracuse, N. Y., assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application October 30, 1942, Serial No. 463,962
8 Claims. (Cl. 197—17)



8. In a typewriting machine having a rockable type bar actuator, a system of type actions selectively settable for actuation to printing position by a driving impulse from the actuator, and normally ineffective power means for automatically retracting the actuator to a normal idle position, the combination of a bellcrank rockable about an axis parallel to that of the actuator, a constantly tensioned pull spring connected at its ends to said actuator and to one arm of the bellcrank to exert a type bar driving effort on the actuator, a roller journaled on the other arm of said bellcrank, a cam rockable about an axis parallel to that of the bellcrank and located substantially in the vertical plane of the roller, and a handle for conversely rotating the cam, said cam having an eccentric peripheral edge portion provided with a series of notches in which said roller is selectively seatable and also being formed with projections at the ends of said edge portion engageable with the roller to limit rotation of the cam.

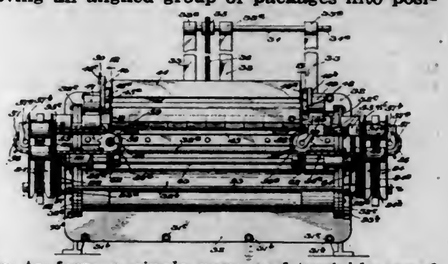
2,353,804
AIR-CONDITIONING SYSTEM
Irving C. Baker and Rafael A. Gonzalez, Dayton, Ohio, assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application February 14, 1941, Serial No. 378,964
9 Claims. (Cl. 62—6)



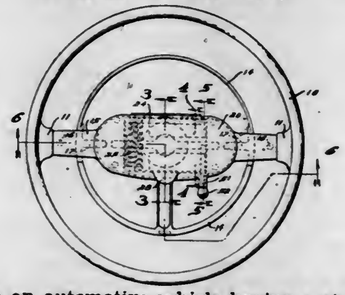
1. An air conditioning system comprising a fresh air duct through which fresh air may be moved, an evaporator extending across all of said duct, a recirculated air duct through which recirculated air may be moved, a plurality of evaporators arranged in a bank extending across all of said recirculated air duct so that a portion of the air stream in said recirculated air duct passes through each of said evaporators, a tempering duct in which all of the air leaving said evaporators mixes, condensing means arranged to feed refrigerant in parallel to all of said evaporators, a variable capacity compressor arranged to compress refrigerant returned from all of said evaporators and to feed compressed refrigerant to said condensing means, automatic capacity regulating means for varying the capacity of said compressor in accordance with the condition of the refrigerant returned to said compressor, control means whereby the evaporator in said fresh air duct is fed refrigerant at all times when the compressor is in operation and only when it is in operation, and other control means whereby, when the compressor is in operation, and only when it is in operation, refrigerant may be fed into one or more of the evaporators in said recirculated air duct in response to the temperature of the recirculated air in said recirculated air duct.

2,353,805
COOKER
John S. Baker, Los Angeles, Calif.
Application June 28, 1940, Serial No. 343,030
23 Claims. (Cl. 99—360)

1. In a machine for treating cylindrically packaged goods; a chamber having an inlet and an outlet; means within the chamber adapted to receive successive rows of packages in which the packages in each row are aligned end to end and to move the rows from the inlet to the outlet; said rows being disposed transversely of the direction of movement of the rows; opposed feeding means for feeding the packages to form a row opposite the inlet; means for jointly actuating said feeding means; each of said feeding means moving an aligned group of packages into position to form a single row; and variable speed means for actuating said feeding means according to the length of the packages being treated.



2,353,806
STEERING WHEEL CIGARETTE CASE
Harold P. Blay and Fred G. Thannhauser, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 26, 1942, Serial No. 456,166
3 Claims. (Cl. 206—19.5)

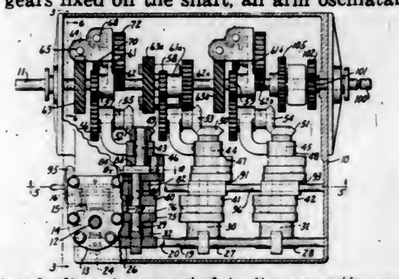


1. In an automotive vehicle having a steering wheel comprising a hub portion and occupying a position within the vehicle operator's field of vision and rotatable about a central axis, a cigarette dispensing device mounted on said hub portion substantially centrally of said steering wheel so as to be within the operator's field of vision, said dispenser comprising a holder for a plurality of cigarettes, a manually operable ejecting device comprising a plunger reciprocable in a plane disposed transversely of said axis and adapted to propel a single cigarette upward in said plane from the dispenser toward the operator's line of sight to the road when the steering wheel is centered, and feeding mechanism adapted to feed cigarettes from the body of said holder into axial alignment with said plunger when said plunger is withdrawn preparatory to ejecting a cigarette.

2,353,807
POWER TRANSMISSION MECHANISM
Deskin I. Brown, Laura, Ohio, assignor of one-half to Walter J. Steiner, Laura, Ohio
Application June 17, 1942, Serial No. 447,395
8 Claims. (Cl. 74—112)

1. Power transmission mechanism comprising a rotatable drive shaft, a plurality of oscillatable driving members, means operated by said drive shaft for oscillating said members, oscillatable secondary members, couplings between the driving members and the secondary members oper-

able to vary the amount of oscillatory movement of the secondary members with respect to the amount of oscillatory movement of the driving members, a driven shaft, a drive device connecting each secondary member to the shaft and providing successively operating one-way drives for the driven shaft, each drive device comprising two gears fixed on the shaft, an arm oscillatable



on the shaft and connected to its respective secondary member to oscillate in timed relation therewith, and constant mesh gearing carried by said arm and interposed between its respective two gears on the shaft and providing a continuous gear connection therebetween for positively driving the shaft as the arm oscillates in one direction.

2,353,808

COMPOUNDS OF THE CYCLOPENTANO-POLYHYDROPHENANTHRENE SERIES AND A PROCESS FOR THE MANUFACTURE OF THE SAME

Adolf Butenandt, Berlin-Dahlem, and Josef Schmidt-Thomé, Berlin-Zehlendorf, Germany, and Erwin Schwenk, Bloomfield, N. J., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application June 30, 1939, Serial No. 282,126. In Germany July 1, 1938

19 Claims. (Cl. 260—397.4)

1. Process for the manufacture of compounds of the cyclopentano-polyhydrophenanthrene series, wherein a member of the group consisting of saturated and unsaturated ketones of the androstane and estrane series is condensed with an oxo compound in the presence of an agent capable of condensing a carbonyl group with a nuclear methylene group.

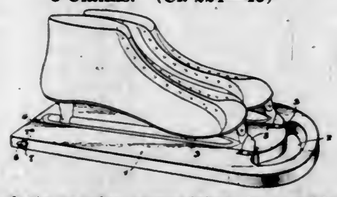
2,353,809

SKATE CARRIER

Robert J. Carson, Kane, Pa.

Application October 14, 1941, Serial No. 414,958

8 Claims. (Cl. 224—45)



6. A skate carrier comprising, in combination, a base having a plurality of slots each adapted to receive and grip the traction means of one or more skates, said slots extending entirely through said base for a portion of their lengths and only partially through said base for the remainder of their lengths, and means for compressing all of said slots in said base.

2,353,810

SEPARATION OF SOLIDS FROM MIXTURES OF SOLIDS AND LIQUIDS

Edward L. Cole and Howard H. Gross, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application February 2, 1943, Serial No. 474,488

5 Claims. (Cl. 196—18)

1. In a process for separating wax from wax-bearing oil wherein the wax-bearing oil is diluted with a solvent liquid comprising a mixture of a wax antisolvent and an oil solvent and the resulting diluted mixture brought to a temperature at which wax hydrocarbons are solidified, following which the solidified hydrocarbons are removed from the mixture, the steps comprising diluting the wax-bearing oil with a solvent comprising a wax antisolvent liquid and a hydrocarbon fraction boiling in the range about 260 to 280° F. separated from hydroformed straight-run naphtha and substantially free from polymerizable and unstable constituents, adjusting the temperature of the dilute mixture to solidify wax constituents, and removing the solidified wax constituents therefrom.

2,353,811

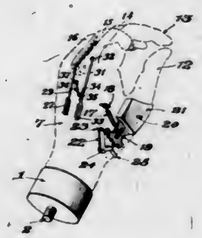
ORTHOPEDIC HAND

José Antonio Quirno Costa, Buenos Aires, Argentina

Application November 23, 1942, Serial No. 466,642

In Argentina September 30, 1942

4 Claims. (Cl. 3—12)



1. An artificial hand, comprising, in combination a wrist block adapted for fixed connection with an artificial arm, a hand body, cooperating means on adjacent faces of the wrist block and hand body for rotatively connecting the same for limited angular movement; index, middle and small fingers integral with the hand body and a thumb and fourth finger pivotally and adjustably connected with the hand body, and a spring retracted eye member carried by the wrist block and adapted to be engaged with a support on the body of the user of the hand.

2,353,812

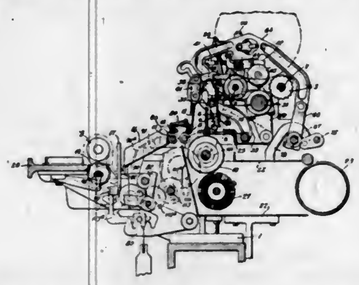
COTTON COMBER

Frank L. Crockett, Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application October 2, 1940, Serial No. 359,385

20 Claims. (Cl. 19—121)

1. In a comber, a comb cylinder, nipper mechanism including a lap-feed roll and cushion plate swinging on members pivoted to fixed front points located above the comb cylinder and means for holding the lap roll in a position between said points including a creel-roller located below said points and between the vertical planes of said



members with its front side substantially vertically above the cushion plate and supplying lap directly downwardly thereto.

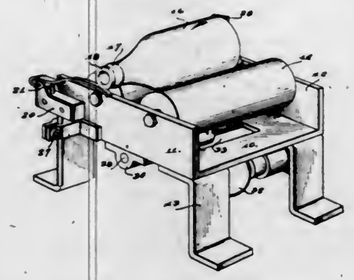
2,353,813

GAUGING APPARATUS

Kemp K. Deeren, Streator, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application January 29, 1943, Serial No. 473,909

6 Claims. (Cl. 73—51)



1. A gauging apparatus comprising a pair of parallel spaced cylindrical rolls, a supporting frame in which the rolls are mounted to rotate freely about horizontal axes, a contact arm positioned to contact an article supported on said rolls, an indicating device actuated by said arm, a gauging arm extending upwardly between said rolls, and a screw rod on which said gauging arm is mounted, said rod being mounted in the frame parallel with said rolls and rotatable for adjustment of said gauging arm lengthwise of the rolls.

2,353,814

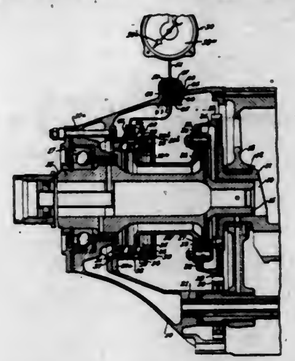
TORQUE INDICATOR

Chester C. De Pew, Farmingdale, N. Y., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y., a corporation of Maryland

Application March 14, 1942, Serial No. 434,720

12 Claims. (Cl. 265—25)

1. In a device for measuring torque, the combination of a driving member and a driven member, a planetary gear system coupling said driving and driven members, said system having a sun gear axially movable and rotatable relatively to said driving and driven members, cam means including a fixed member and a ring member having opposed cam faces, said ring member being connected to and coaxial with said sun gear for shifting said sun gear axially in response to rotation thereof and spring means resiliently opposing axial movement of said sun gear to



render axial movement of said sun gear proportional to the torque exerted on said driving and driven members.

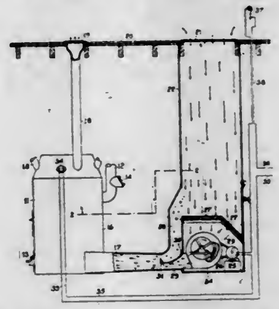
2,353,815

HEATING PLANT

Oscar H. Dicke, Rochester, N. Y.

Application November 21, 1941, Serial No. 419,839

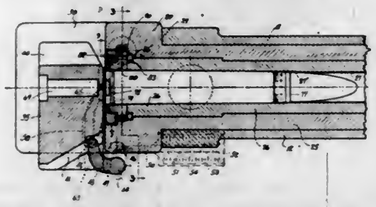
3 Claims. (Cl. 183—32)



1. In a combined forced draft and natural draft air circulator for hot air heating systems employing hot air furnaces comprising; a box-like main casing terminating in a conduit having a narrow neck near said casing and flaring out to a larger cross-sectional area toward its free end, which free end may be connected into the lower end of such furnace; said casing having an opening which may be connected with a cold air return conduit of said system; an intermittently operated blower in said main casing consisting of a second casing having an inlet opening and having an outlet opening terminating substantially in the neck of said conduit but of a smaller cross-sectional area than said neck, and of a fan in said second casing which when operated drawns air through said inlet opening and projects it through said outlet opening into said conduit; and a filter located to filter only the air passing through said inlet opening of said second casing; whereby when said blower is operating the inertia of the stream of blower propelled filtered air as it spreads during its passage through said conduit and toward said furnace causes a partial vacuum to be created about said stream in said conduit which vacuum tends to draw unfiltered air through the by-

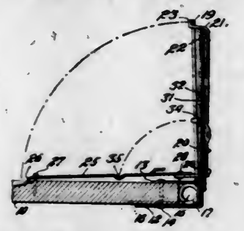
pass formed between said outer casing and said second casing into said conduit and whereby unfiltered gravitationally propelled air may flow freely through said by-pass when said fan is not operating.

2,353,816
GUN AND AMMUNITION
Merton L. Dodge and William V. Baker, Seattle, Wash.
Application January 31, 1941, Serial No. 376,800
7 Claims. (Cl. 89—1)



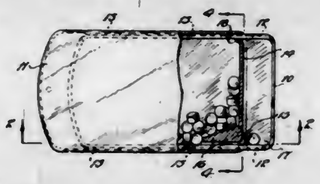
1. A gun for the firing of fixed ammunition of the character described having the shell case and projectile each equipped with rotating bands for effecting relative rotation of these parts for timing the fuse; said gun having a breech block movable between open and closed positions and having abutments in the barrel for holding engagement with the rotating band of the projectile, a ring rotatably contained in the barrel to receive the shell case therein and having projections to holdingly engage with the rotating band of the shell case, a bar movably mounted in the gun to rotate the said ring for timing the fuse, resilient means acting against the bar to move it for rotating the said ring and shell case, a manually adjustable stop for determining and limiting travel of the bar in rotating the ring gear for fuse setting, and means operable incident to moving the breech block to open position to adjust the ring to an established starting position, and operable incident to closing the breech block to release the said bar for travel under influence of said resilient means and to the extent permitted by the said manually adjustable stop.

2,353,817
TRAP
Frank Doverspike, Washington, D. C.
Application October 5, 1943, Serial No. 505,073
4 Claims. (Cl. 43—97)



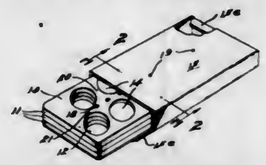
1. A trap comprising a base, an upright having angularly extending substantially parallel projections engaged over one end of and secured to the base with space between said end of the base and the upright, a spring jaw having a coil portion located in said space between said angularly extending projecting portions of the upright, a trip platform pivotally supported on the base, a trigger extending from said platform through the upright, and a detent for said spring jaw mounted on the upright and engaged by said trigger, said trigger being pivotally connected with the platform for lateral adjustment, a supporting shoulder on the upright engageable by said trigger in one laterally shifted position of the same and a setting lever pivoted on the upright and having a cam portion engageable beneath said trigger to support the latter while shifting it laterally from over said supporting shoulder.

2,353,818
CONTAINER
Edith B. Duell, Detroit, Mich.
Application November 3, 1941, Serial No. 417,619
14 Claims. (Cl. 206—42)



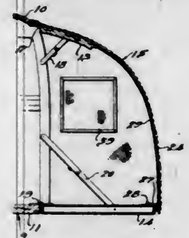
1. A dispensing container for small articles of the type employing a sliding cover with a projecting flange near one edge of said cover cooperating with a projection in the box spaced from one end to push all but a determined number of articles into a closed portion and leaving only said determined number in the said space between said projection and the end of the container, characterized by a block member carried by said cover positioned above said projection of a size to cover the space between said projection and the end of the container when said cover is in closed position, thereby limiting the number of articles retained in the space between said projection and the end of the box.

2,353,819
DISPENSING CONTAINER
Edith B. Duell, Sharpsburg, Pa.
Application June 4, 1943, Serial No. 489,681
4 Claims. (Cl. 206—42)



1. A dispensing container comprising a cover and a shallow tray-like oblong shaped receptacle slidably mounted relatively to said cover, said receptacle being provided with longitudinally extending rows of article receiving pockets with a longitudinally extending rib or barrier extending between each of said rows and with the pockets of one row arranged in staggered relationship with the pockets of an adjacent row, a transverse barrier extending between and separating each adjacent pair of pockets in each row and lying substantially in alignment with the transverse central line of a pocket in an adjacent longitudinally extending row whereby as said receptacle is slid relatively to said cover only one of said pockets in one longitudinal row will be completely exposed at a time while the adjacent pocket in the adjacent row will be partially covered, said longitudinally extending barrier and said cover being provided each with a plurality of cooperating locking devices arranged in longitudinally spaced relationship in accordance with the number and spacing of said compartments whereby as said receptacle is slid longitudinally of said cover to successively expose the compartments thereof, said locking devices will be brought into successive locked position each of which corresponds to the uncovering of its coinciding compartment.

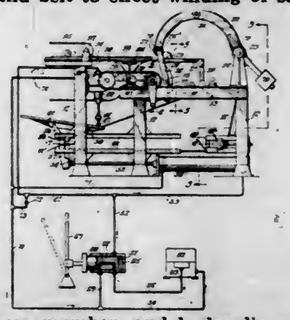
2,353,820
VEHICLE BODY
Daniel S. Eddins, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 28, 1941, Serial No. 400,211
2 Claims. (Cl. 296—26)



1. In a vehicle body including a floor and a panel comprising upper and lower members mounted for swinging movement outwardly of the body to open position, said lower member when in its open position constituting an extension for the vehicle floor, a drip moulding carried by the vehicle body adjacent the upper member having a portion thereof trough-shaped in cross-section and a flanged edge spaced from said portion, a fabric covering extending between said members having a reinforced edge portion extending into said trough and a plurality of hooks detachably engaging the flanged edge of said moulding, the upper of said members constituting a support for said covering, means detachably securing another edge portion of said covering to the outer portion of said lower member, and a plurality of staves extending between and detachably secured to said members for supporting said covering intermediate said edges thereof, each of said staves being springingly flexible and having a length greater than the straight line distance between said members when the latter are in open position whereby said staves are bowed when positioned as aforesaid to define an arcuately contoured support for said covering.

2,353,821
APPARATUS FOR MAKING COMPRESSED WADDING ROLLS
Charles A. Fourness, Appleton, and Rudolf A. Moravek, Neenah, Wis., assignors to Paper Patents Company, a corporation of Wisconsin
Original application February 13, 1939, Serial No. 256,242, now Patent No. 2,270,043, dated January 13, 1942. Divided and this application August 8, 1941, Serial No. 405,914
11 Claims. (Cl. 242—55)

1. Apparatus for winding an endwise compressed sheet of cellulosic tissue into the form of a roll, comprising, in combination, an endless belt, guide pulleys for said belt, means for driving said belt, a core member engaged with and rotated by a loop of said belt, means for directing the advance end of said sheet into the nip of said core member and belt to effect winding of said sheet



on said core member, and hydraulic means for applying tension to said belt and for automatically, gradually, increasing the tension thereon as the roll winds up, thereby to approximate maintenance of a constant pressure per unit area on the surface of the gradually enlarging roll.

2,353,822
PLASTIC COMPOSITION FOR WALLBOARD JOINTS
Harry F. Gardner, Snyder, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application December 27, 1940, Serial No. 372,009
8 Claims. (Cl. 106—148)

1. Composition for wallboard joints to form upon mixing with water a mixture of plastic consistency capable of being worked under a trowel or broad knife and requiring 62–68 parts of water per 100 parts of the dry composition to produce testing consistency which comprises casein, clay, and lime each substantially in the range between 7% and 15%, an alkaline salt in amount not substantially greater than one-third the amount of one of said three ingredients, the balance of the composition comprising finely ground limestone as a predominant amount of said balance, and mineral fillers.

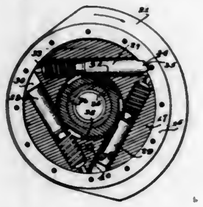
2,353,823
BLEACHING CELLULOSIC MATERIALS
Clifford A. Hampel, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application September 26, 1941, Serial No. 412,438
5 Claims. (Cl. 8—106)

1. In the bleaching of cellulosic material, the improvement which comprises subjecting the material to be bleached to the action of an aqueous solution containing a compound selected from the group consisting of chlorites of the alkali metals and alkaline earth metals and a compound selected from the group consisting of persulfates of alkali metals and alkaline earth metals at a pH of about 3–11.

2,353,824
OVERLOAD CLUTCH
Clarence A. Heyne, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application August 27, 1942, Serial No. 456,306
12 Claims. (Cl. 192—56)

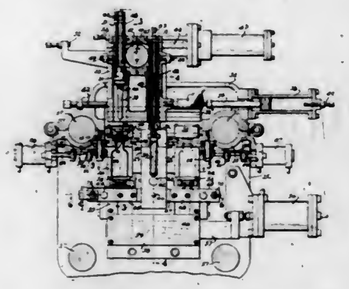
1. Clutch mechanism comprising a driving member and a driven member rotatable about

a common axis, means providing driving connection between said members including a connector bar carried by one said member and slidably mounted for lengthwise movement relative thereto in a direction transverse to said axis,



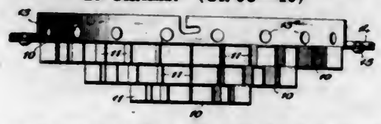
into and out of driving connection with the other said member, spring means for holding said connector in operative position, and means for causing resistance to movement of the driven member to move said connector in opposition to the spring means and disconnect said members.

2,353,825
APPARATUS FOR MOLDING THERMOPLASTIC MATERIALS
Victor E. Hofmann, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application February 11, 1942, Serial No. 430,384
17 Claims. (Cl. 18—5)



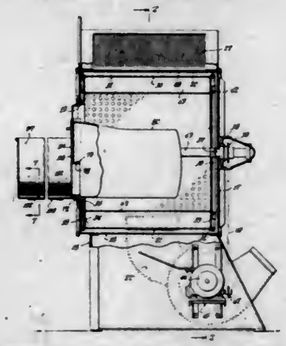
1. An injection molding machine comprising in combination a parison mold, finishing molds positioned at opposite sides of the parison mold, each of said molds comprising partible sections, means for opening and closing the molds, a plunger carriage, plungers each including a molding plug, said plungers being mounted on the carriage for reciprocating movement by which the forming plugs are moved into and out of positions between the mold sections for enclosure by the molds, interconnected mechanism by which each plunger is projected into a said position when the other plunger is withdrawn, a motor connected to reciprocate the plungers, means for reciprocating said carriage and bringing each plug alternately into register with the parison mold and a finishing mold, with each plug in register with the parison mold while the other plug is in register with a finishing mold, means for closing the molds about the plugs, means for introducing molding material into the parison mold for forming parisons therein, and means separate from the molding plugs for blowing the parisons in the finishing mold after the molding plug is withdrawn.

2,353,826
AIR OUTLET DEVICE AND METHOD OF PRODUCING SAME
Friedrich Honerkamp, New York, N. Y., assignor to Anemostat Corporation of America, a corporation of Delaware
Application December 11, 1941, Serial No. 422,585
15 Claims. (Cl. 98—40)



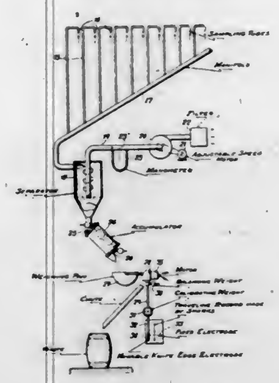
1. The method of producing an air outlet device which comprises providing in a plate structure at successively greater distances from the center thereof concentric bands of slits each comprising an inner and an outer row of slits with the slits in each row disposed in end to end spaced apart relationship and the slits of the respective rows of each band disposed in pairs to define web elements therebetween, further providing in said plate structure diagonal slits connecting corresponding adjacent ends of inner and outer slits of adjacent pairs in each band to provide between each two adjacent web elements a pair of substantially V-shaped elements one joined to one end of one of the web elements and to the portion of the plate structure inwardly of the band of slits and the other joined to the adjacent end of the other of the web elements and to the portion of the plate structure outwardly of the band of slits, and rotating and shifting axially relative to each other the portions of the plate structure to each side of each of the bands of slits while controlling bending of said web elements along lines extending between corrresponding ends of the pairs of slits to cause said web elements to be swung to positions at angles to the planes of the plate structure between the bands of slits, whereby the adjacent edges of the portions of the plate structure are connected together at their edges by said web elements and said V-shaped elements, and whereby annular rows of air outlet openings are provided in said plate structure.

2,353,827
METHOD AND APPARATUS FOR RENOVATING PILLOWS
Joseph O. Huebsch, Jr., Milwaukee, Wis., assignor to Huebsch Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 23, 1941, Serial No. 399,385
8 Claims. (Cl. 34—2)



1. The method of renovating pillows which comprises transferring the loose filling material from the original pillowcase into a washing bag of thin porous material and substantially larger than the original pillowcase, placing the bagged filling in a tumbling drum and tumbling it around therein while drawing air through said drum, then steaming the bagged material while in the drum, and thereafter drying the bagged material while tumbling it about in said drum, then returning the cleaned filling to the original pillowcase.

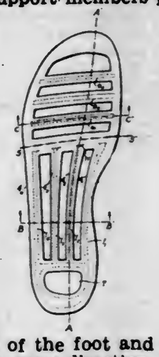
2,353,828
CINDER METERING
George Hyde, Darien, Conn., assignor to Consolidated Edison Company of New York, Inc., New York, N. Y., a corporation of New York
Application July 24, 1943, Serial No. 496,019
9 Claims. (Cl. 73—21)



7. Apparatus for metering the flow of finely divided particles as carried by a fluid stream, comprising means for continuously withdrawing from the stream a relatively small substantially constant proportion of the total amount of the particles being carried past the region of withdrawal, an accumulator for receiving said withdrawn particles, a time controlled device for discharging said accumulator at predetermined timed intervals normally shorter than required for completely filling the accumulator by said particles as withdrawn, weighing means for receiving the contents of the accumulator upon each discharge, automatic weight recording means associated with said weighing means, means operating at a predetermined time subsequent to each discharge for actuating said recorder, and means for automatically discharging said contents from the weighing means before the next discharge from the accumulator.

2,353,829
FOOTWEAR
John J. Jakosky, Lawrence, Kans.
Application July 9, 1941, Serial No. 401,643
11 Claims. (Cl. 36—59)

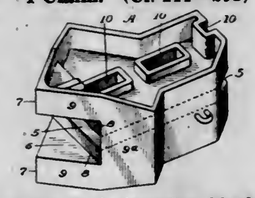
1. A sole for footwear of proper contour to support the arch directly from the floor when standing, incorporating a support member positioned underneath the heel and arch of the foot and extending in a substantially longitudinal direction, and a series of support members positioned forward of the ball of the foot and extending in a substantially transverse direction.



2,353,830
AIR PUMP LUBRICANT
Gus Kaufman, Karl Uhrig, and Robert S. Barnett, Beacon, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 13, 1940, Serial No. 352,408
5 Claims. (Cl. 252—34)

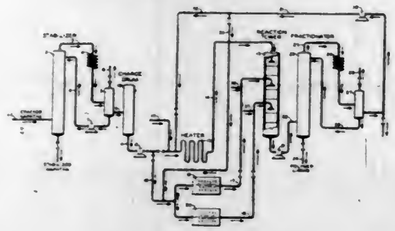
1. An air pump lubricant suitable for lubrication at elevated temperatures of the order of 500–1000° F. comprising about 80% water, about 15% mineral oil within the viscosity range of 60–80 Saybolt Universal seconds at 210° F., about 2.5% triethanolamine stearate, and about 2.5% free stearic acid.

2,353,831
CLAMP FOR CONCRETE FORMS
Joseph W. Keffer, Ligonier, Pa.
Application February 27, 1943, Serial No. 477,407
1 Claim. (Cl. 144—291)



A pair of integral clamping blocks for use at the crossing of two frame holding arms in a column clamp, each block having a pair of vertical contact faces diverging rearwardly at right angles from a corner junction, a through longitudinal passage extending midway of the vertical thickness of the block and adapted to receive a frame holding arm, a cut-out portion intermediate the ends of said corner junction, said cut-out portion extending transversely across the end of the block and being of greater depth than said passage so as to provide arm-edge engaging abutments above and below the front terminal of the longitudinal passage and also to provide upper and lower arm-side engaging portions extending forwardly from said abutments to said corner junction, said arm engaging portions above and below said cut-out portion forming vertical side faces at right angles to each other extending backwardly from the junction and merging into full depth faces beyond said abutments.

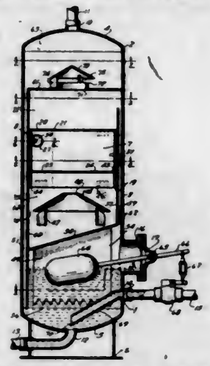
2,353,832
CATALYTIC CONVERSION OF HYDROCARBONS
Lebbeus C. Kemp, Fishkill, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Original application July 13, 1939, Serial No. 284,192. Divided and this application October 31, 1940, Serial No. 363,589
3 Claims. (Cl. 260—683.15)



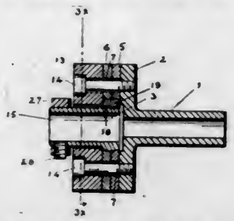
2. A continuous method for polymerizing normally gaseous olefins which comprises heating a stream of normally gaseous hydrocarbons containing about 20 to 40% olefins to a temperature in the range about 375 to 400° F., continuously introducing said feed stream in vapor phase to a reaction tower packed with a solid polymerization catalyst comprising phosphoric acid having a concentration of about 100 to 110% H_3PO_4 by weight of the acid, passing said feed stream through the reaction tower from inlet to outlet, effecting polymerization of olefinic constituents of the feed to normally liquid hydrocarbons during passage through the reaction tower from inlet to outlet, said polymerization being accompanied by reduction in volume of said feed stream advancing through the reaction tower, injecting streams of hydrocarbon gas to the reaction tower at a plurality of succeeding points in the direction of hydrocarbon flow through the tower, adjusting the amount of gas so injected to compensate for said reduction in volume and thus maintain a substantially uniform velocity of hydrocarbon flow throughout the reaction tower from inlet to outlet, separately adjusting the temperature of said streams of gas passing to succeeding points in the reaction tower, and maintaining the reaction temperature within the reaction tower below about 475° F.

2,353,833
SEPARATOR FOR TREATING FOAMY OIL
Garman O. Kimmell, Oklahoma City, Okla.
Application July 28, 1941, Serial No. 404,296
14 Claims. (Cl. 252—361)

1. In a separator of the character described, a primary separating chamber, secondary separating chambers located respectively above and below the primary separating chamber and having connections therewith through axially arranged openings, means for effecting circumvolution of a combined liquid and gas flow in the primary separating chamber to effect primary separation of the liquid from the gas and foam components of the flow to cause discharge of gas and lighter foam into the upper secondary separating chamber and heavier foam through the larger opening into the lower secondary separating chamber, a gas collecting chamber having connection with the upper secondary separating chamber, a settling chamber having connection with the lower secondary separating chamber, means for discharging gas from the gas collecting chamber, means for discharging liquid from the settling chamber, and a cone-like baffle supported in the lower secondary separating chamber for collecting foam under said cone-like baffle and having an apical opening to effect release of the gas component of said foam.



2,353,834
TOOLHOLDER FOR REAMERS
Oscar Klute, Rochester, N. Y.
Application December 3, 1941, Serial No. 421,471
16 Claims. (Cl. 279—16)

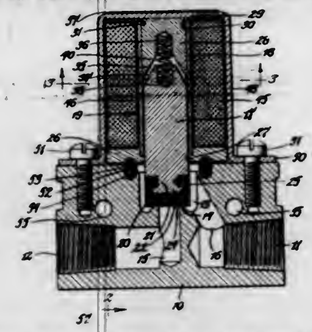


1. In a tool holder for a reamer, the combination of a shank having a large flanged head on the forward end thereof, a sleeve having a spherical male member on the rear end thereof, means for holding the sleeve so that it cannot turn on the shank, said holding means permitting the axis of the sleeve to float angularly and laterally with reference to the axis of the shank, a flat plate having a hole central therein between which plate and the flanged head said means is clamped, said clamping means permitting the lateral adjustment of the holding means.

2,353,835
ELECTROMAGNETIC ACTUATING MECHANISM FOR SOLENOID VALVES OR THE LIKE
Clifford J. Lane, Buffalo, and Albert M. Patterson, Lewiston, N. Y., assignors to Aeronautical Manufacturing Corporation, Niagara Falls, N. Y., a corporation of New York
Application April 25, 1942, Serial No. 440,446
1 Claim. (Cl. 175—341)

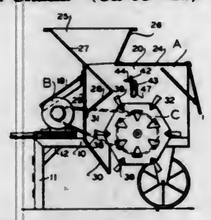
An electromagnetic actuating mechanism for a solenoid valve or the like, comprising a supporting body having a bore in one side, a cylindrical plunger of magnetic metal and having one end arranged in said bore and its opposite end provided with an axial bore, a unitary spool including a central sleeve in which said plunger is slidingly fitted, an end plate arranged adjacent said

body and having a bore in which said plunger is fitted and an annular face groove around its bore in which the corresponding end of said sleeve is fitted and soldered, a stop plug in the opposite end of said sleeve and soldered therein and having a radially extending end flange fitting the corresponding end of said sleeve, a helical compression spring in said axial bore of said plunger and bearing against said plug, a solenoid coil wound upon said spool, an annular gasket surrounding said plunger and interposed between



said end plate of said spool and said body, and means for holding said spool against said gasket, comprising a one piece, cylindrical cup-shaped cap having its end wall bearing directly against the outer extremity of said plug and its side wall surrounding said spool and the solenoid coil wound thereon and having a radially outward extending flange at its open end, and screws having threaded engagement with said body and extending through said radially outward extending flange of said cup-shaped cap and having heads bearing thereagainst.

2,353,836
SOIL SHREDDER AND PULVERIZER
Frank J. Lindig, Jr., St. Paul, Minn.
Application March 18, 1941, Serial No. 383,963
1 Claim. (Cl. 83—11)

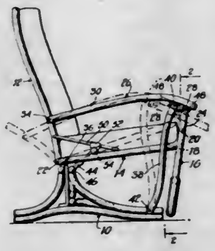


A soil pulverizer and mixer including a rectangular casing, a hopper mounted above one end of the top of said casing, an open end provided at the other end of said casing, the bottom of said casing being substantially open, a soil mixing pocket at the base of said hopper, a rotatable soil shredding drum in the lower portion of the casing alongside the mixing pocket, a series of soil engaging tines projecting outwardly from the drum, means for rotating said drum in a clockwise direction so as to move the tines upwardly through the mixing pocket, an auxiliary cross bar pivotally mounted between the side walls of said casing and positioned directly above said drum, a series of tines mounted to and projecting downwardly from said auxiliary cross bar adapted to cooperate with the tines on the rotatable drum, and spring means for normally holding said tines in a vertical downward direction but free to be rocked with the crossbar to permit solid matter to pass on the drum with pulverized soil, whereby when soil is introduced into said hopper the soil will come in contact with the top portion of said shredding drum and into the mixing pocket and the drum and cooperating sets of tines will mix and pulverize the soil in said mixing pocket and on the drum.

2,353,837
LUBRICANT
Clarence M. Loane, Hammond, Ind., and James W. Gaynor, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application September 30, 1940, Serial No. 359,089
17 Claims. (Cl. 252—48)

1. A lubricant comprising a lubricating oil, having blended therewith from about 0.05% to about 5.0% of a glyceride phosphoric acid ester and from about 0.05% to about 10.0% of a sulfurized polymer of olefinic hydrocarbons.

2,353,838
ADJUSTABLE RECLINING CHAIR
Anton Lorenz, Chicago, Ill., and Hans Luckhardt, Berlin, Germany
Application October 3, 1941, Serial No. 413,398
15 Claims. (Cl. 155—106)

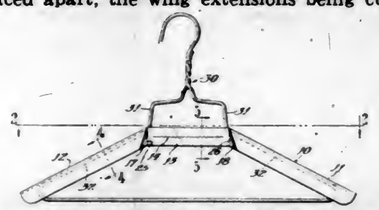


1. An adjustable reclining chair comprising: a support, a back-rest, a seat, a leg-rest, said seat extending between said back-rest and said leg-rest and being pivoted thereto, connecting link-means, one connecting link-means being arranged on each side of the chair, each of said connecting link-means including a short extension of the leg-rest and a long link hingedly connected with each other, the free end of said long link being pivoted to an intermediate point of the back-rest above the pivot point between the back-rest and the seat, said back-rest, said seat and said connecting link-means forming a polygonal structure having unequal sides, one point of said polygonal structure being pivoted to said support, and at least one guiding link, one end of said guiding link being pivoted to said support at a point below the seat, the other end of said guiding link being pivoted to said long link.

2,353,839
SHOULDER TREE
William W. McFall, Mankato, Minn.
Application October 1, 1941, Serial No. 413,105
5 Claims. (Cl. 223—98)

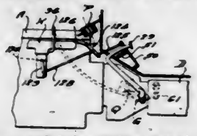
1. An article of manufacture comprising a shoulder tree for imposition upon a garment

hanger, consisting of a medial portion and a wing extension on either side thereof, the medial portion including a pair of parallel vertical walls spaced apart, the wing extensions being curved



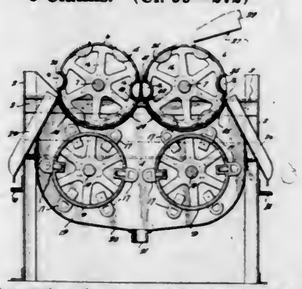
in transverse section with their sides inclined obliquely with respect to the vertical walls, and approximately triangular portions uniting the vertical walls and the sides of the wing extensions.

2,353,840
POWER TRANSMISSION
Ian C. McKechnie, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 12, 1940, Serial No. 365,223
26 Claims. (Cl. 74—472)



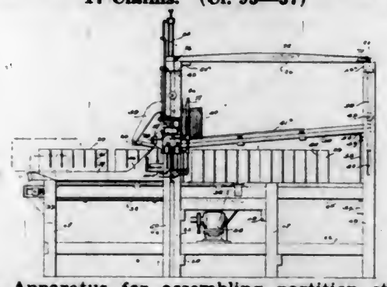
1. In a motor vehicle drive having an engine; a variable speed ratio transmission comprising means operable to effect change between two driving speed ratios from the engine to the vehicle; and temperature responsive means for automatically rendering the aforesaid means selectively operative and inoperative to effect said change in response to predetermined temperature variation.

2,353,841
APPARATUS FOR EXTRACTING FRUIT
Ronald B. McKinnis, Winter Haven, Fla., assignor, by mesne assignments, to Ronald B. McKinnis, doing business as McKinnis Foods, Winter Haven, Fla.
Application September 12, 1940, Serial No. 356,546
6 Claims. (Cl. 99—272)



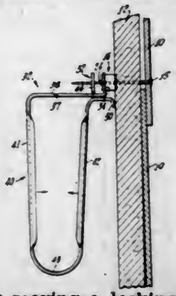
1. A juice extractor comprising a juice extracting chamber where the fruit is adapted to be extracted in an inert atmosphere, a knife for the fruit located at a point immediately prior to the point of ingress of the cut fruit into the chamber, a gasket preventing access of atmospheric oxygen to the chamber located adjacent the knife, and channels located below the knife and between the knife and the gasket to permit the flow of peel oil and juice from the cut fruit to be evacuated whereby passage into the extracting chamber is inhibited.

2,353,842
MACHINE FOR ASSEMBLING PARTITIONS
John E. McLaughlin, Julius E. Wilske, and Francis A. McCormick, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application March 11, 1943, Serial No. 478,842
17 Claims. (Cl. 93—37)



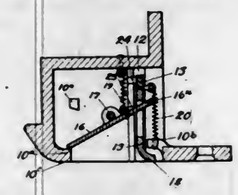
1. Apparatus for assembling partition strips comprising means for supporting longitudinal strips on edge, means for supporting a group of cross strips, means for effecting a relative movement of the longitudinal strips and the group of cross strips in a direction lengthwise of said longitudinal strips, means for assembling cross strips from said group singly and in succession with the longitudinal strips during said relative movement, and pneumatic means controlled by said longitudinal strips for controlling said assembling operations.

2,353,843
TOOL
William S. Miles, Hastings on Hudson, and Paul A. Voigt, Bellerose Manor, N. Y., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application January 24, 1941, Serial No. 375,744
9 Claims. (Cl. 81—3)



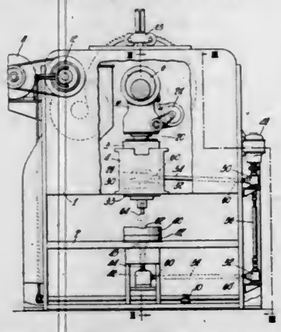
1. A tool for moving a locking member on a projecting shank, said tool comprising a jaw to engage said locking member to move the locking member along said shank, a claw member having opposed biting edges to grip said shank to prevent withdrawal movement thereof, handle members affixed to said jaw and claw, respectively, means operatively connecting said handle members for movement of said jaw and claw away from each other when said handle members are moved toward each other, said means including a loop spring integrally connected to said handle members to move them apart upon release of pressure thereon.

2,353,844
KEEPER
James Boam Milner, Prestatyn, England
Application November 21, 1942, Serial No. 466,433
In Great Britain November 6, 1941
1 Claim. (Cl. 292—340)



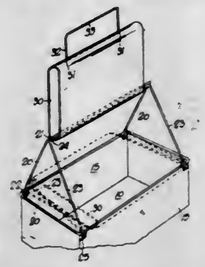
A keeper for a spring door-locking latch, comprising in combination a lever located within said keeper for actuation by a bolt of said latch, a spring within said keeper, said spring urging said lever in the direction to oppose entry of said bolt into said keeper, a plate member guided within said keeper for sliding movement in a direction parallel to that of movement of the bolt, a second spring within said keeper, said second spring urging said plate member in the direction outwardly from said keeper, said plate member having a lost-motion operative connection with said lever, whereby projection of said bolt into said keeper is accompanied by rocking movement of said lever to permit protrusion of said plate member by said second mentioned spring across the gap between said keeper and the adjacent edge of the door into resilient engagement with said edge, said lever being then free for further movement under the action of said bolt and in opposition only to said first spring, whereby to permit shooting home of said bolt.

2,353,845
STRAIGHTENING MACHINE
William H. Mursch, Crafton, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application November 2, 1942, Serial No. 464,233
1 Claim. (Cl. 153—48)



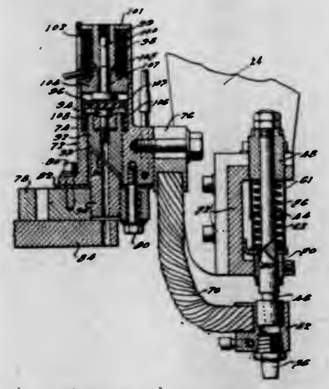
A machine for straightening heavy plate comprising a ram, a plate mounted on the lower end of the ram, a turntable carried by the plate, an elongated striking blade supported by said turntable and adapted to be rotatably adjusted about its own axis, a gear unit located in a cavity in the ram and adapted to rotate the turntable, a platen located beneath the ram, a turntable carried by the platen, a die supported thereon and adapted to be rotatably adjusted about its own axis, said die having its working face lying generally in a single plane perpendicular to the axis of rotation of the die and striking blade, said die having an elongated depression therein located at all times in the same plane as the striking blade and into which the striking blade presses the heavy plate to straighten the same, a gear unit located in a cavity in the platen and adapted to rotate the second named turntable, a shaft connected to each of said gear units, and a motor for driving said shafts to rotate the striking blade and die in synchronism.

2,353,846
BOTTLE CARRIER
James F. Power, South Bend, Ind.
Application March 31, 1941, Serial No. 386,050
11 Claims. (Cl. 224—48)



1. A carrier comprising a preformed base, a pair of preformed walls pivoted at opposite sides of said base, a pair of end bars pivotally connected at their ends to the upper ends of said walls, and a pair of preformed bails each pivotally connected to the upper portion of one of said walls adjacent each end thereof, to form a handle, said carrier being collapsible to flat form and held erect by the contents thereof.

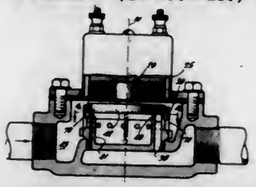
2,353,847
SWITCH MECHANISM
Hugo Purat, Detroit, Mich., assignor to Progressive Welder Company, Detroit, Mich., a corporation of Michigan
Original application August 2, 1940, Serial No. 349,653. Divided and this application October 15, 1942, Serial No. 462,452
5 Claims. (Cl. 200—165)



1. In an electrical switch, a supporting member having a bore, a cooperating member elec-

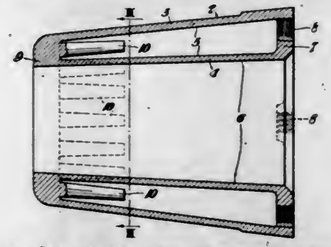
trically separate from said bore, a contact member movable in the bore between a retracted position and a projected position in which it engages the cooperating member, and operating means for the contact member including means to cause it to solidly bear against the side wall of the bore when it engages the cooperating member to thereby electrically connect said bore and said cooperating member.

2,353,848
ELECTROMAGNETICALLY OPERATED VALVE
William A. Ray, Glendale, Calif.
Application June 26, 1940, Serial No. 342,493
4 Claims. (Cl. 137—139)



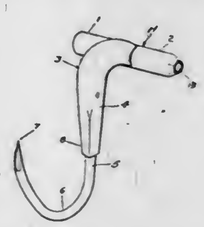
1. In an electromagnetically operated valve structure, a valve body having an inlet passage as well as an outlet passage, said body also having a wall separating the inlet and the outlet passage, there being a port through the wall for connecting the said passages, and defined by annular-like spaced surfaces forming a pair of raised valve seats in the inlet passage, one valve seat surrounding the other, a closure of magnetic material cooperating with both valve seats to close the port, there being a space beneath the closure and defined by the inner valve seat, said space being in communication with the inlet passage, and an electromagnet for operating said closure, the area of the port being unsymmetrical with respect to the axis of the force exerted upon the closure by the electromagnet.

2,353,849
TUYÈRE FOR BLAST FURNACES AND THE LIKE
Alan H. Richardson, Edgewood, Pa.
Application August 27, 1941, Serial No. 408,525
2 Claims. (Cl. 122—6.6)



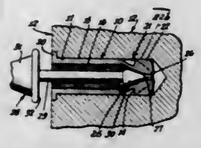
1. A tuyère of the class described comprising a hollow body member having an outer wall, an inner wall arranged within said body member so as to provide an annular cooling chamber thereabout between said inner and outer walls, said body member having an opening arranged in one end thereof for conveying a cooling fluid thereinto, a relatively thick-walled nose portion arranged on the opposite end of said body member, said outer and inner walls and said nose portion of said body member being integrally arranged and consisting of a casting, and a plurality of spaced apart risers having a greater cross-sectional thickness than the walls of the tuyère arranged annularly around said nose portion integral therewith and extending into said annular chamber between said inner and outer walls and being spaced therefrom, said risers being of sufficient thickness to provide metal to the nose portion of the body member during the contraction and solidification of the metal thereof while casting the same so as to eliminate internal stresses and shrinkage cavities therein whereby a uniform dense metal structure is provided in the thick-walled nose portion of the tuyère which is highly resistant to abrasion.

2,353,850
SAFETY BOX HOOK
John F. Roberts, Portland, Oreg., assignor of one-half to Everett Ernest Carson, Portland, Oreg.
Application July 1, 1943, Serial No. 493,090
8 Claims. (Cl. 294—26)



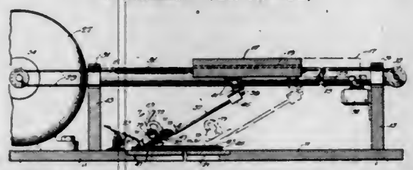
1. A hook implement having a handle, a body extending at right angles from the handle, and a hook bill terminating in a point, said handle being made in two sections, one section being fixed with relation to the hook as a whole and the other section being telescopically joined at one end to the fixed section and movable relative to such fixed section to cooperate at its other end with and form a guard for the point.

2,353,851
TUBULAR INSERT
Joseph Rosan, North Hollywood, Calif.
Application September 27, 1941, Serial No. 412,583
7 Claims. (Cl. 85—2.4)



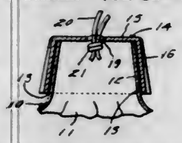
1. Means for insertion in a cylindrical bore of substantially uniform diameter in a relatively soft body, comprising a tubular member of such initial external diameter as to be insertable in said bore and providing a central opening, said tubular member providing a body portion which is circumferentially integral and of such external diameter as to fit snugly in said bore, said tubular member having an expansible longitudinally split inner end portion of reduced external diameter formed with external outwardly projecting spurs initially within the confines of said initial external diameter, said spurs each having a thin biting edge extending longitudinally of the axis of said tubular member and a heel portion facing substantially toward the outer end of the tubular member, and said inner end portion being formed internally with sloping cam surfaces converging inward toward the axis of said central opening to be in the locus of forward motion of a spreader element insertable through said central opening to expand said split end portion in a manner to force said spurs to bite into said relatively soft body.

2,353,852
METHOD OF DETERMINING THE RECEPTIVITY OF SHEET MATERIALS TO COATINGS, INKS, AND THE LIKE
Ben W. Rowland, Douglas Fronmuller, and Johannes A. Van den Akker, Appleton, Wis., assignors to The Institute of Paper Chemistry, a corporation of Wisconsin
Application March 7, 1942, Serial No. 433,822
3 Claims. (Cl. 73—51)



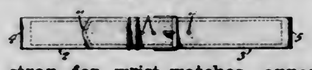
1. The method of determining the receptivity of sheet material to coatings, inks, and the like which consists in supporting a sample of the material to be tested on a suitable, resilient surface, applying a substantial quantity of a fluid testing material to a restricted area of the sample, spreading said fluid testing material over the sample at relatively high speed, while immediately doctoring off as much of the spread testing material as is possible from the surface of the sample by use of a suction current, thereby effecting the very rapid application of a very thin coating of the testing material to the surface of the sample, the said application of testing material being carried out without substantial mechanical working of the surface of the sample, and finally evaluating the resulting pattern by comparison with known standards.

2,353,853
CHRISTMAS TREE ORNAMENT
Howard A. Sayford, Bloomfield, N. J., assignor to Frank M. Sayford Company, Inc., Brooklyn, N. Y.
Application October 6, 1942, Serial No. 461,005
1 Claim. (Cl. 41—10)



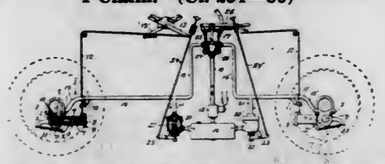
In a tree ornament consisting of a hollow glass ball formed with a reduced neck of slightly tapered configuration and open at its upper end, a suspension means for the ball comprising a fibrous cap adapted to be adhesively secured over said neck, said cap including an upper wall and a substantially frusto-conical side wall having folded or overlapping longitudinal portions, said upper wall being formed with a pair of intersecting slots which provide a plurality of radially arranged outwardly bent substantially triangular tangs with the apices innermost, a looped suspension cord adapted to be extended through the said slots and a knot formed on the end thereof positioned on the inner side of said cap, said tangs being of such size as to hold said cord from being pulled out of the cap, the strands forming said cord being tightly gripped between adjacent tangs so that the cord will not slip into the interior of the ornament.

2,353,854
STRAP FOR WRIST WATCHES, APPAREL BELTS, AND THE LIKE
John P. Schultheiss, Attleboro, Mass., assignor to R. F. Simmons Company, Attleboro, Mass., a partnership consisting of Harold E. Sweet and Hayward H. Sweet
Application April 30, 1943, Serial No. 485,239
3 Claims. (Cl. 2—338)



1. A strap for wrist-watches, apparel belts and the like constructed from a strip of leather having portions skived to a tapering reduced thickness, said strip folded on the median line between its skived portions to provide overlying layers and the skived portions of the leather folded inwardly in triangular accordion pleats and inserted between the overlying layers with the several layers fastened together by stitching around the marginal edges of the strap.

2,353,855
VEHICLE JACK
Paul Schwarz, Milwaukee, Wis.
Application December 10, 1942, Serial No. 468,517
1 Claim. (Cl. 254—86)

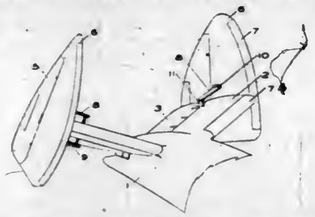


In a vehicle having pairs of manually controlled hydraulic jacks shiftable from idle to working position; the combination of fluid actuating means therefor comprising a fluid reservoir, a master controlling valve, a fluid feed pipe communicating with the reservoir and master controlling valve, a pump interrupting the fluid feed pipe, fluid supply pipes each connecting the master controlling valve and one pair of jacks and an automatically releasable relief valve communicating with each fluid supply pipe and the reservoir, whereby a predetermined pressure is maintained in said supply pipes, and manually controlled means for actuating the relief valves whereby fluid pressure in the pairs of hydraulic jacks is released when it is desired to relieve lifting pressure in said jacks.

2,353,856
AUXILIARY AIRFOIL
Ellis D. Shannon, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application November 21, 1942, Serial No. 466,445
2 Claims. (Cl. 244—37)

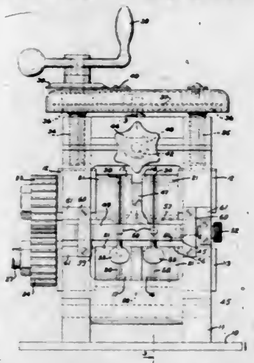
1. An aircraft empennage comprising a pair of intersecting stabilizers arranged substantially

normal to one another, movable control airfoils secured to said stabilizers, one of said movable control airfoils having a cut-out portion extending from a point adjacent the intersection of the trailing edges of said stabilizers, to the trailing edge of said control airfoil to permit the move-



ment of the other control airfoil, an auxiliary airfoil mounted on the stabilizer adjacent, and substantially parallel to, the leading edge of the cut-out movable airfoil, having a lateral extent substantially equal to and spanning the cut-out portion of said airfoil, to effect a smooth flow of air thereover.

2,353,857
METAL-FORMING APPARATUS
George Stuhlfauth, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 21, 1942, Serial No. 435,665
9 Claims. (Cl. 80—31.1)



1. A rolling mill comprising a housing having a pair of rolls mounted therein, said rolls having integral flanges, forming rings positioned against said flanges, annular threaded members mounted on said rolls for holding said rings against said flanges, a projecting annular member positioned between the flanges of one of the rolls so that the projecting portion will enter the space beween the flanges of the other roll and prevent relative axial movement between the rolls, guiding means, and a projecting member on said guiding means engaging the flanges of the latter roll to prevent relative axial movement between the rolls and the guiding means.

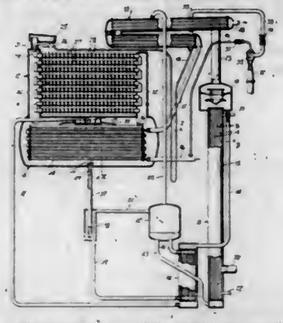
2,353,858
SLIDE FASTENER
John T. Tedesco, Bronx, N. Y.
Application February 16, 1943, Serial No. 476,066
13 Claims. (Cl. 24—206)

1. In a slide fastener, a pair of interlocking strips of resilient material, each strip having a solid cylindrical front edge portion and a tubular portion located rearwards of said front edge portion and complementary to said cylindrical



portion, and said tubular portions having side slit-like openings through which said cylindrical portions engage said tubular portions.

2,353,859
REFRIGERATION
Albert R. Thomas, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 29, 1941, Serial No. 390,871
10 Claims. (Cl. 62—119)

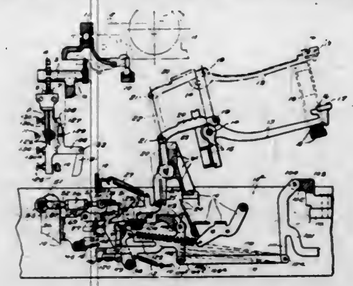


8. In an absorption refrigeration system having a plurality of elements interconnected for circulation of refrigerant and absorption liquid, said system having one group of elements operable at one pressure and another group of elements operable at a lower pressure with means for maintaining the pressure differential between the groups of elements, one portion of the system of interconnected elements comprising a vertically extending conduit connected to receive absorption liquid at its upper end from one of the elements of the low pressure group, a separating chamber into which the lower end of the conduit extends, means cooperating with the upper end of the conduit for positively withdrawing non-condensible gases from the element and trapping the gases in the liquid to transfer them to the separating chamber, said absorption liquid in the conduit comprising a part of the means maintaining the pressure differential between the high and low pressure groups of elements, means connecting the separating chamber to an element of the high pressure group whereby the non-condensible gases will be transferred from an element of the low pressure group to an element of the high pressure group while maintaining the pressure differential between the groups of elements, and an exhaust pump connected to the element of the high pressure group to which the gases are transferred for exhausting the non-condensible gases to the atmosphere.

2,353,860
TYPEWRITING MACHINE
Charles Walker, Syracuse, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application November 26, 1942, Serial No. 466,989
22 Claims. (Cl. 197—17)

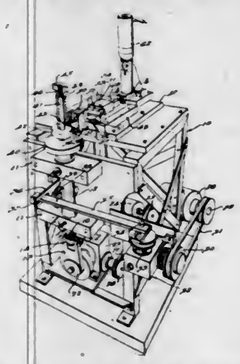
2. In a power actuated typewriting machine, the combination of a platen carriage, a platen there-

on, spring-returned printing instrumentalities, a carriage escapement including a spring-returned escapement dog rocker, individual type key controlled mechanisms for selectively conditioning the respective printing instrumentalities for printing actuation, a single actuating mechanism for concomitantly actuating both the dog rocker and any selected printing instrumentality in opposition to the return spring power exerted on said rocker and instrumentality, a motor constantly driven while the machine is in use, spring means for impelling said actuating mechanism to actuate the dog rocker and selected printing instrumentality in opposition to the return spring



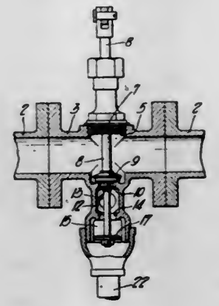
power exerted on the rocker and selected printing instrumentality, and means controllable by each of said key-controlled mechanisms to release said actuating mechanism for spring impulsion thereof and to thereafter first connect said mechanism to said motor for motor actuation of said mechanism in opposition to the power of its impelling spring means and then disconnect said motor from said mechanism and hold the latter against operation by its impelling spring means, said single actuating mechanism for concomitantly actuating the dog rocker and selected printing instrumentality being operable thereon to move the same in one direction only.

2,353,861
GEAR TOOTH FACE FINISHING APPARATUS AND METHOD
David A. Wallace, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 20, 1942, Serial No. 447,796
14 Claims. (Cl. 51—64)



1. Gear tooth face finishing apparatus comprising relatively oscillatable and reciprocable work and tool support members, means on said work support member for positioning a tooth of a gear having a face portion to be finished for receiving a finishing operation, means for confining the relative reciprocative movement of said members to a course extending depthwise of said tooth and transversely of the axis of the relative oscillative movement thereof, means for confining the relative oscillative movement between said members about a fixed axis an abrading tool on said tool support member having an abrading element extending into contacting proximity with respect to said face portion including means for yieldably urging said element into abrading contact with said face portion, and mechanism for drivingly simultaneously repeatedly producing said reciprocative and oscillative movements at respectively different rates while said element is in abrading contact with the face portions of the same tooth.

2,353,862
COMBINED BRANCH VALVE AND DRAIN VALVE
Fred A. Weber, Gary, Ind.
Application April 14, 1944, Serial No. 531,060
3 Claims. (Cl. 137—69)

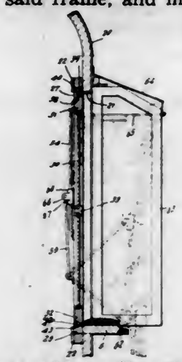


1. A fluid supply device comprising a substantially horizontal fluid supply conduit, a substantially vertical branch passage communicating with said fluid supply conduit, said branch passage having a pair of spaced concentric substantially horizontally disposed valve seats, the upper seat facing the pressure side of the branch passage and the lower seat facing away from the pressure side, a substantially vertical, rigid valve stem disposed to extend through said spaced concentric valve seats, a pair of spaced concentric valves carried by said valve stem for movement therewith, a substantially horizontal branch line communicating with said branch passage at a position intermediate said spaced concentric valve seats, and a drain line forming an extension of the lower end of said branch passage, said valves being so spaced with respect to said valve seats as to alternately occupy open and closed positions, whereby the upper of said valves may operate to control communication of said branch line with said fluid supply conduit and the lower of said valves may serve to control communication of said branch line and branch passage with said drain line, the drain line being so constructed and arranged that the fluid upon closing of the upper valve will be drained from the branch

line and the lower part of the branch passage, the pressure on the top of the upper valve being greater than the pressure on the lower valve whereby the upper valve is normally held in its closed position.

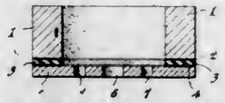
2,353,863
LOCOMOTIVE STORM WINDOW
Ralph Wikoff, Indianapolis, Ind.
Application October 31, 1942, Serial No. 464,120
10 Claims. (Cl. 20—40)

2. In a storm window for a locomotive cab, a closure for a cab window opening, said closure comprising a frame mounted in said opening and a panel removably mounted in said frame, cooperative means provided on said panel and on said frame for holding said panel, at times, in place within said frame, and means carried by



said cab and spaced laterally outwardly from the plane of said frame and cooperative, at times, with said last-named means on said panel, for supporting said panel in a position spaced laterally outwardly from the plane of said frame.

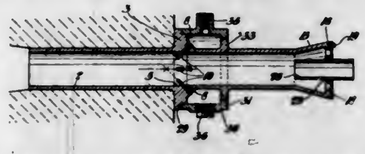
2,353,864
REINFORCED ABRASIVE ARTICLE
Charles E. Wooddell, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application October 20, 1943, Serial No. 506,996
8 Claims. (Cl. 51—209)



1. A reinforced abrasive article comprising a bonded abrasive body, a rigid reinforcing backing plate therefor, said backing plate being adhesively secured to the bonded abrasive article by means comprising a resilient tie bond, said reinforcing backing plate having high strength and being composed of a plurality of layers of felted fibers compressed together and impregnated with synthetic resin cured to a strong hard condition.

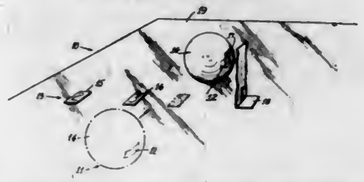
2,353,865
GAS BURNER
Leslie R. Armstrong, Porter, Ind.
Application November 28, 1940, Serial No. 367,659
2 Claims. (Cl. 158—109)

1. A burner structure comprising in combination a burner tube having an intake end and an outlet end, a pair of annular flanges mounted on the burner tube, one of the said pair of flanges being positioned on the tube toward the outlet end of the burner tube, the other of the flanges being positioned on the tube towards an intake end of the burner tube, the first-mentioned flange being substantially thicker than the latter flange, the first-mentioned flange having its outer wall extended beyond its inner wall for forming a shoulder on the said flange, and having its inner wall tapered adjacent to the burner tube to provide a thickened portion of the first-mentioned flange adjacent to the burner tube, the said latter flange being threaded on its upper end, a ring member mounted on the said flanges, the ring member being threadedly secured in place by the said threads and abutting against the extended outer wall of the first-mentioned flange



while resting on the shoulder thereof, thereby completing an annular fuel chamber around the burner tube, fuel supply nozzles communicating from the fuel chamber into the burner tube through the tapered thickened portion of the first-mentioned flange, the said nozzles converging towards the outlet end of the burner tube and being threadedly mounted in the said thickened portion of the first-mentioned flange, the said nozzles being inclined at approximately 45° to the tube and converging towards a single point on the longitudinal axis of the tube, an air-injector pipe extending through the intake end into the burner tube and being mounted in the tube.

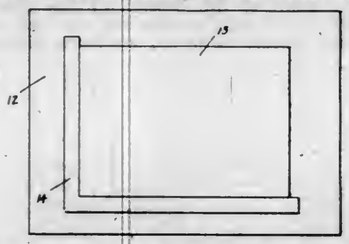
2,353,866
BALL GAME
Jesse M. Bach, Bronx, N. Y.
Original application February 24, 1940, Serial No. 320,615, now Patent No. 2,277,057, dated March 24, 1942. Divided and this application February 21, 1942, Serial No. 431,847
3 Claims. (Cl. 273—118)



1. In a game of the character described having a body provided with a curved surface carrying non-magnetic and magnetic portions; a game board, and at least one substantially upright play piece of magnetically susceptible mass positioned on said game board and adapted to coact with said body for scoring purposes, said play piece extending above the surface of said game board and to such height that when said body engages said play piece during movement of said body on said game board said play piece may be either physically displaced and pushed away from its initial position on said game board by the non-magnetic portion or magnetically influenced by said magnetic portion of said body depending upon which of the portions of said body comes in engagement with said play piece during said movement of said body.

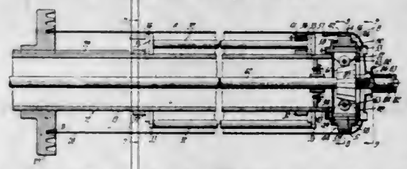
2,353,867
METHOD OF PRODUCING COLOR SEPARATIONS IN ART WORK
Carl B. Balcomb, Dayton, Ohio, assignor of one-half to William P. York, Aurora, Ill.
Application June 15, 1942, Serial No. 447,094
7 Claims. (Cl. 101—211)

1. The method of producing color separation in art work, consisting in simultaneously with



the original color application, tracing the body of each color design of a work of art to be reproduced onto an individual color separation sheet.

2,353,868
HEAD AND CYLINDER WELDING STAKE
David P. Bisbee, San Marino, Calif., Richard J. Seltzer, Chicago, Ill., and Philip F. Thayer, Sparrows Point, Md., assignors to Rheem Manufacturing Company, Richmond, Calif., a corporation of California
Application January 2, 1942, Serial No. 425,446
8 Claims. (Cl. 113—103)

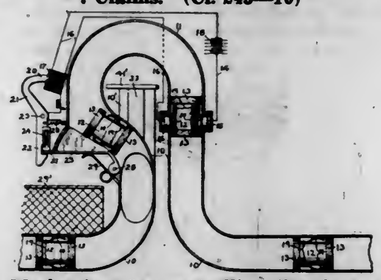


1. A welding stake for a girth seam for cylindrical members including a hollow cylinder with open ends, comprising a mandrel arranged to receive the cylinder thereabout and supported at one end to rotate about a horizontal axis, a chuck mounted on said mandrel intermediate the ends thereof and formed to receive and support one end of said cylinder, an expanding welding back-up means at the free end of said mandrel arranged to engage the inner side of the edge portions of the other end of said cylinder and of the end of the member to be connected therewith and hold said portions in axial alignment, stop means on the member engaging portion of said back-up means for limiting axial movement of one of the members thereon said stop means formed to engage the end face of the engaged member while the member is supported on said member-engaging portion, and means to rotate said mandrel.

2,353,869
DEFEATHERING COMPOUND
Oscar T. Bloom, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 16, 1942, Serial No. 439,231
26 Claims. (Cl. 17—45)

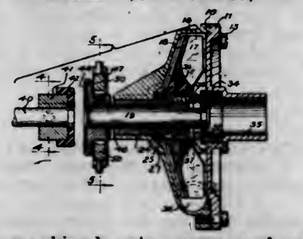
1. A method of depilating carcasses of fowls which comprises coating the carcass with a waxy composition containing mainly rosin and petroleum wax, and a small amount of a water insoluble soap of a metal having a valence in excess of one, and then removing the coating together with the feathers and hair.

2,353,870
PNEUMATIC DISPATCH SYSTEM
Frank J. Blume, Chicago, Ill.
Application February 16, 1942, Serial No. 431,045
7 Claims. (Cl. 243—16)



1. Mechanism for controlling the destination of carriers to any one of a plurality of receiving stations connected in a single dispatch tube line from any one of said stations, each station having a carrier discharge opening and a valve therefor arranged to be impacted by carriers in transit and being operative when maintained in closed position under carrier impact to by-pass carriers through the station, comprising, in combination, means operatively related to each station for positively latching its valve in closed position, a normally deenergized control unit for each valve latching means adapted when energized to render said latching means ineffective and thereby condition said valve for opening movement under carrier impact, means on the carrier in transit for energizing only its cooperating station valve control unit, and an inclined upward extension on each station valve against which all passing carriers impact and which serves to deflect the impacting carrier into the tube line.

2,353,871
COMBINED WATER PUMP AND VALVE
Myron W. Bowen, Niles, Mich., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application September 28, 1942, Serial No. 460,028
7 Claims. (Cl. 103—103)



7. In a combined water pump and valve, an impeller, a shaft carrying said impeller and one member of said valve and mounted for axial movement relative to said impeller for opening and closing said valve, and a rotatable member positioned to contact and rotate said shaft in the valve open position of the axial movement of said shaft.

2,353,872
SHOCK ABSORBER
Alan E. Brickman, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application November 30, 1942, Serial No. 467,369
8 Claims. (Cl. 244—151)



1. A shock absorber of the class described comprising a wire member having a return bend therein and a braiding for sheathing the parallel lengths of the return bend.

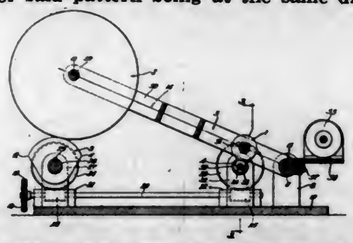
2,353,873
TIMBER SAW
Robert L. Brownlee, Chicago, Ill.
Application September 29, 1943, Serial No. 504,311
5 Claims. (Cl. 143—43)



2. In a portable saw, a supporting frame, a power unit mounted on the frame and having a drive pulley, a fixed bearing mounted on the frame at one side of said pulley, a saw carrying shaft journaled at one end in said fixed bearing and having a laterally offset portion therebeyond, a transverse bearing rigidly carried by the opposite end of said shaft, a rotary shaft journaled in said transverse bearing and having a pulley at one end thereof in alinement with said drive pulley and fixed bearing, a circular-saw carried by the opposite end of said rotary shaft, and a belt drive extending between said pulleys.

2,353,874
METALWORKING APPARATUS
J. D. Buchanan, Burbank, Calif.
Application November 18, 1940, Serial No. 366,027
7 Claims. (Cl. 90—13.7)

7. A metal working machine comprising the combination of relatively movable supports, a pivot therefor permitting movement of one of said supports about a common axis, one of said supports supporting a rotatable pattern and a rotatable work piece holder on the same side of said pivot, said pattern and said work piece holder being mounted for rotation on centers lying on a straight line through said pivot, a follower for said pattern and a tool for said work piece holder arranged on the other of said supports on centers lying on another straight line through said pivot, said follower being adapted to rest on said pattern and said tool being adapted to rest on a work piece, the point of intersection of the axis of the tool with said second line and the center of the work holder being at the same distance from said pivot, the point of intersection of the axis of the follower with said second line and the center of said pattern being at the same distance



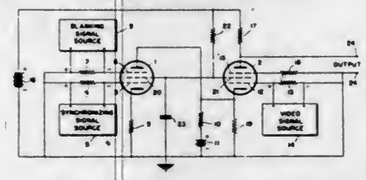
from said pivot, one of said distances being greater than the other, the ratio of the effective length of said follower to the effective length of said tool being the same as the ratio of the distances of their respective said points of intersection from said pivot, the point where said follower is adapted to contact the pattern, and the point where said tool is adapted to finish the work piece, lying on a straight line through said pivot, whereby said tool when guided by said follower contacting said pattern is adapted to traverse the contour thereof to reproduce the same by said ratio.

2,353,875
KNITTING NEEDLE
Ethel W. Burnham, Sierra Madre, Calif.
Application April 20, 1943, Serial No. 483,740
3 Claims. (Cl. 66—117)



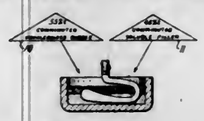
1. In knitting equipment, a shank, a head, and a reduced neck connecting said head to one end of said shank, said head having a substantially flat under surface projecting in three directions from said neck and lying at an acute angle to the axis of said shank, the fourth side of said neck being flush with said shank and said head and forming a continuous surface therewith, the assembly consisting of said shank, neck and head having a longitudinal plane of symmetry, and the projection of said under surface laterally from said neck being approximately the same as its projection in the plane of symmetry, whereby said lateral portions of said under face constitute shoulders capable of engaging a thread to purl it during a knitting operation.

2,353,876
SIGNAL MIXING AMPLIFIER
Madison Cawein, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application November 1, 1943, Serial No. 508,593
9 Claims. (Cl. 178—7.1)



1. An amplifier for forming a composite signal consisting of a plurality of different types of intelligence signals comprising, a first vacuum tube having an anode, a second vacuum tube having an anode and a cathode, means including a source of a first type of intelligence signal for varying the amplitude of the space current of said second tube, means including a source of a second type of intelligence signal for varying the amplitude of the space current of said first tube, means coupling the anode of said first tube with the cathode of said second tube for varying the potential of the cathode of said second tube in correspondence with the space current amplitude variation of said first tube in a manner to effect a corresponding space current amplitude variation of said second tube and to render the source of said first type of signal ineffective to produce space current amplitude variations of said second tube, and an output circuit connected to the anode of said second tube for the development therein of said composite signal.

2,353,877
PROCESS FOR MAKING RESILIENT POROUS PRODUCTS
Robert G. Chollar, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application January 19, 1942, Serial No. 427,326
10 Claims. (Cl. 18—53)



8. A process for making micro-porous rubber having the pores interconnecting and of uniform size, including the step of molding a mixture of moldable rubber of micro-fine particle size with a filler of particle size at least as fine as the rubber; and the step of dissolving out the filler from the molded product by a solvent inert as to the rubber.

2,353,878
DEHAIRING SKINS
Edward F. Christopher, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 22, 1942,
Serial No. 444,104
22 Claims. (Cl. 8—94.16)

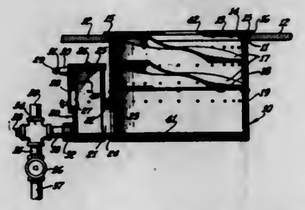
1. In a method of removing hair and wool from hides and skins, the step which comprises subjecting the hides and skins to the action of an aqueous alkaline medium containing lime, an alkali sulfide and a substance selected from the group consisting of water soluble inorganic and organic peroxides, peracids, peranhydrides, and such alkyl and acyl derivatives of hydrogen peroxide which tend to yield hydrogen peroxide in alkaline solutions.

2,353,879
BOTTLE CAP
Kempton Clark, Little Compton, R. I., and Herbert G. Vore, Jackson Heights, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application November 19, 1940, Serial No. 366,218
1 Claim. (Cl. 215—38)



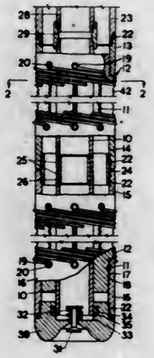
A milk bottle cap formed from a paper blank, said cap comprising a bore closing portion and a pleated skirt extending downwardly around the outer surface of the pouring lip of the bottle, at least the skirt portion having a coating of a thermoplastic adhesive suited to secure the folds together comprising essentially polyvinyl acetate which becomes tacky for sealing at a temperature below about 200° F. and which is set at room temperature, and a wax coating over said adhesive to prevent the caps from sticking together when stacked, said coating being adapted to be displaced to expose the adhesive under sealing conditions of heat and pressure.

2,353,880
OIL BURNER
Charles L. Cooper, Los Angeles, Calif.
Application November 2, 1943, Serial No. 508,672
4 Claims. (Cl. 158—91)



1. A pot type oil burner of the type described, comprising: a main pot having an imperforate bottom wall for retaining a pool of oil therein, a lateral wall having air inlet apertures therein, and a top wall having an outlet opening; and a pilot pot smaller than and positioned alongside said main pot and connected thereto by a discharge passage, said pilot pot having bottom, lateral and top walls, the lateral wall having air inlet apertures and one wall having an oil inlet opening, the lower edge of said discharge passage being positioned adjacent the bottom of said pilot pot, whereby oil flowing into said pilot pot in excess of that consumed therein overflows into the main pot.

2,353,881
OIL WELL LINER SCREEN
Wilfred St. Maur Elmore Crake, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 7, 1942, Serial No. 468,303
2 Claims. (Cl. 166—8)



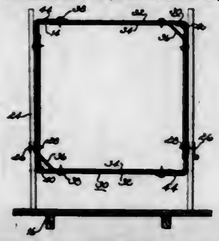
1. In an oil-well screen, an elongated axial mandrel member, a plurality of ribs extending radially outwards to a substantial distance from said mandrel member, the outer edges of said ribs being spirally grooved in the middle portion and screw-threaded on the ends, internally threaded tubular end members threadably engaged with the threaded ends of said ribs and adapted for connection to a flow string, and wire spirally wound in the grooves of said ribs to form a well strainer, the ends of said wire being affixed to said tubular end members, whereby a series of parallel vertical passages surrounding said mandrel member is formed between said ribs for the flow of the oil entering the wire strainer.

2,353,882
ELECTRIC WIRING APPARATUS
Victor R. Despard, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application March 20, 1942, Serial No. 435,575
4 Claims. (Cl. 173—338)



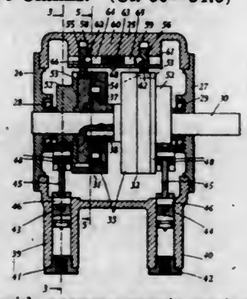
1. An electric fitting for assembly with a duplex cable of the type having parallel solid conductors enveloped in a non-metallic sheath, said fitting comprising mounting and contact carrying members adapted to be secured together and defining, when secured together, a cable-receiving channel the midportion of which is of smaller cross section than the end portions so as to be able to receive only a slabbed off portion of cable, the portions of the channel to either side of said midportion being adapted to receive and closely embrace unmutilated portions of such cable, and contacts mounted upon said contact carrying member for automatically engaging the solid conductors of the cable at the slabbed off portion when said members are assembled.

2,353,883
REFRIGERATING APPARATUS
Ernest Dickey, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 31, 1942, Serial No. 437,094
5 Claims. (Cl. 138—78)



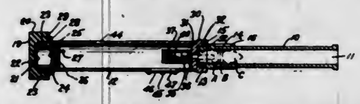
1. Duct means comprising a plurality of non-metallic conduit sections held together by a sheet metal connecting device, said sheet metal connecting device comprising a first strap member in engagement with the outer surface of the conduit sections, a second strap member secured to said first strap member and arranged in engagement with the inner surface of the conduit sections, one of said strap members comprising an integral reinforcing corner brace extending across an inner corner of said conduit.

2,353,884
LIQUID PRESSURE REMOTE-CONTROL SYSTEM
Frederick Sydney Eves, Leamington Spa, England, and Alfred Chadburn Bamford, deceased, late of Liverpool, England, by Gertrude Mary Dalgety Bamford and Denby Chadburn Bamford, administrators, Hoylake, England, assignors to Automotive Products Company, Limited, Leamington Spa, England, a British company, and Chadburn's (Ship) Telegraph Company Limited, Bootle, Liverpool, England, a British company, jointly
Original application April 21, 1941, Serial No. 389,674, now Patent No. 2,335,269, dated November 30, 1943. Divided and this application September 18, 1942, Serial No. 458,884. In Great Britain April 29, 1940
8 Claims. (Cl. 60—54.6)



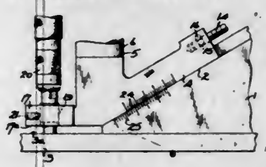
1. In a liquid pressure remote control system, a piston and cylinder unit, a rotatable spindle, means responsive to a complete revolution of said spindle for displacing said piston to a fixed extent, a disc on said spindle, said disc having a recess therein, means engageable in said recess upon completion of each revolution thereof to lock the spindle against further movement, and means responsive to the return of the piston to starting position for disengaging the means from the recess to free the spindle.

2,353,885
SHOULDER MORTAR
Herman J. Fanger and Henry Gruenhagen, Oakland, Calif., assignors of thirty per cent to Martin C. Morgensen, Martinez, thirty per cent to Herbert W. Erskine, Piedmont, thirty per cent to Cleve F. Shaffer, San Francisco, Calif., five per cent to said Henry Gruenhagen, and five per cent to said Herman J. Fanger
Application April 18, 1942, Serial No. 439,457
3 Claims. (Cl. 42—75)



1. A military mortar including a cylindrical barrel having a discharge end and threaded at its opposite end for releasable connection to a shoulder stock member, a shoulder stock comprising a tubular body threaded at a mounting end for coaxial releasable connection to the barrel member, being open at its opposite end to receive the barrel therein when the barrel is dismounted from the stock, said stock being of greater inner diameter than the outer diameter of the barrel for encasing the barrel, and a breech block and firing-pin assembly coaxially mounted at the connection between the barrel and the stock when the barrel is connected at said mounting end of the stock, and a manually operable trigger for operating the firing-pin.

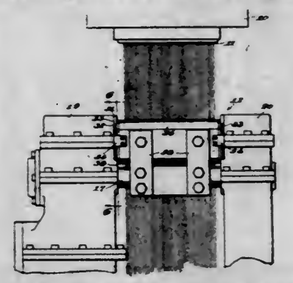
2,353,886
PRECISION MEASURING INSTRUMENT
Ralph Findley, Detroit, Mich., and Harry L. Fultz, Dayton, Ohio
Application March 3, 1943, Serial No. 477,812
3 Claims. (Cl. 33—162)



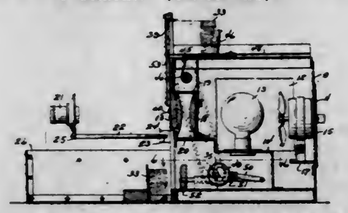
1. An instrument of the character described comprising a body having an inclined surface thereon, an integral foot extending horizontally outward from beneath the lower extremity of said inclined surface and having an upper flat face, a slide movable along said inclined surface having a horizontal upper face, an integral projection on the slide extending horizontally over the foot and having a flat lower face parallel with the upper face of the foot, means for moving the slide along said inclined surface whereby the vertical spacing between said foot and projection is varied, and means for accurately measuring the vertical spacing.

2,353,887
FIBER ATTENUATING APPARATUS
Ed Fletcher, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application March 25, 1942, Serial No. 436,127
5 Claims. (Cl. 49—17)

1. Apparatus for attenuating fibers comprising supporting structure having a wall provided with an elongated slot therethrough, coacting intermeshing toothed members fixed to drive shafts, supporting bearing means for said drive shafts adapted for movement to cause lateral shifting movement of one drive shaft relative to the other shaft for varying the extent of intermeshing of the teeth on said toothed members, said laterally shiftable drive shaft being received through said elongated slot, a plate fixed to said wall and overlying the slotted portion of the wall in spaced relation and provided with an opening aligned with said slot, a closure plate mounted in the space between said wall and said first-named plate for sliding movement in the general direction of the slot, and means connecting said closure plate with said movable bearing means to cause said closure plate to move with the shiftable shaft to seal the slot throughout shifting movement of the latter shaft relative to the supporting structure.

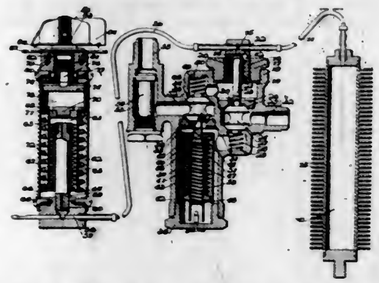


2,353,888
PICTURE PROJECTOR
Fred T. Fuge, Fostoria, Ohio
Application June 12, 1942, Serial No. 446,799
5 Claims. (Cl. 88—28)



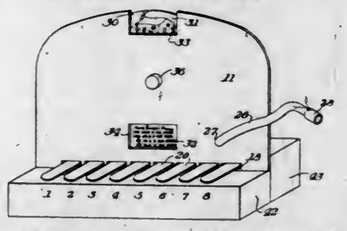
1. A projector for projecting glass slides comprising a casing, a magazine on the top of the casing having an open bottom, means removably securing the magazine to the casing, said magazine being adapted to contain glass slides and to be adapted to be removed from the top of the casing and secured in front of the casing at the bottom thereof for receiving the slides after use, guide flanges on top of said casing for holding the supply stack of slides to be projected, a follower on top of the casing adapted to be disposed in rear of the stack of slides for feeding the slides forwardly to be projected, means for feeding the follower forwardly, a slide carrier mounted for vertical movement on the front of the casing adapted to pick up a slide from the front of the stack on top of the casing and move it downwardly to the bottom of the casing past an axis of light projection, a means for moving the carrier vertically, a slide ejector mounted in the bottom of the casing adapted to be slid forwardly to engage a used slide at the bottom of the casing, and means for moving the slide ejector to eject a used slide into the magazine disposed at the bottom of the casing.

2,353,889
TEMPERATURE REGULATOR
Jean V. Giesler, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application April 14, 1941, Serial No. 388,517
5 Claims. (Cl. 236—1)



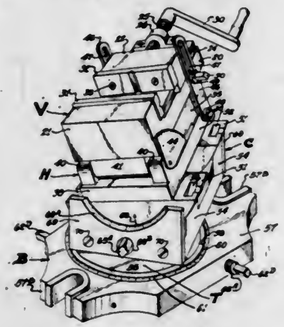
4. In a temperature regulator of the type for controlling the flow of either a cooling medium or a heating medium to a heat exchanger which includes a valve member, a pair of ported valve seats with which said valve member is adapted to cooperate, a thermostat subjected to the temperature to be controlled and operatively connected to said valve member and a second thermostatically operated valve member for predetermining whether the flow of medium shall be to one or the other of said ported valve seats, means for adjusting the temperature at which said first named thermostat responds to the temperature to be controlled including an expansible and collapsible reservoir for the thermosensitive liquid with which said thermostat is charged and disposed exteriorly of but in communication with said thermostat and comprising a tubular wall, a corrugated expansible and collapsible wall arranged coaxially therein and forming therewith a chamber for said liquid, a member slidably mounted on the exterior of said tubular wall, a flange on said tubular wall, resilient means surrounding said tubular wall normally holding said member in engagement with said flange, the opposite end of said tubular wall being provided with an abutment for said spring, and means operating on said member, and through said resilient means on said tubular wall, to move the latter telescopically with respect to said corrugated wall and vary the volume of said chamber.

2,353,890
TOY ORGAN
Joseph Green, Brooklyn, N. Y., assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 13, 1943, Serial No. 475,758
3 Claims. (Cl. 84—330)



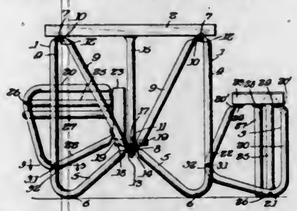
1. In a toy organ the combination of a base plate, an upright panel mounted on the base, a wind box resting on the base on one side of the panel, means for supplying air to the wind box, a series of openings in the top of the wind box, a pneumatic means for producing a tone of definite pitch associated with each opening, a series of slots through the panel at substantially the same elevation as the top of the wind box and aligned with the openings therein, a flat key-valve covering each opening and extending through the associated slot, and means for resiliently holding the key-valves to the wind box, said key-valves pivoting on the edge of the wind box adjacent the panel to discharge air from the openings when the key-valve is depressed.

2,353,891
ADJUSTABLE WORK-HOLDING DEVICE
Anton J. Gruntorad, Cicero, Ill.
Application March 19, 1943, Serial No. 479,817
12 Claims. (Cl. 90—59)



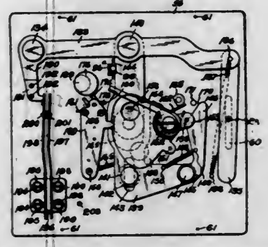
1. A tool or work-holding device comprising a vise element; a hinge element below said vise element comprising a pair of superposed pivotally connected leaves, the upper one of said leaves being detachably connected to said vise element and the pivotal axis of said hinge element being disposed transversely to the longitudinal axis of said vise element; vise retaining means interconnecting said hinge element with said vise element for retaining said vise element in selectively adjusted tilted position; a cradle element below said hinge element including an adjustably tiltable cradle detachably connected to the lower one of said hinge leaves and a supporting base member for said cradle, said cradle being tiltable about a horizontal axis which is vertically plane-aligned with the longitudinal axis of said vise element; cradle securing means for securing said cradle element in selectively adjusted tilted position; a foundation base for the device; and a turntable rotatably supported on said foundation base, said turntable being rotatable about a vertical axis intersecting said horizontal axis of said cradle and being detachably connected to said cradle supporting base member; and means for securing said turntable in selected rotatably adjusted position; said cradle comprising a segmental member slidably mounted on an arcuate face of said cradle supporting base member and having an elongated slot of T-shaped cross-section in the segmental face thereof, said cradle supporting base member having a pair of longitudinally aligned spaced arcuate guide ribs extending into the stem portion of said T-shaped elongated slot, said cradle securing means comprising a T-shaped friction lock having an arcuate head-portion disposed in the head-portion of said T-shaped slot and a stem-portion depending through the stem-portion of said T-shaped slot, a shaft rotatably supported on said cradle supporting base member and extending through the stem-portion of said T-shaped lock, and a cam fixed to and rotatable with said shaft adapted to frictionally interlock said segmental member in adjusted position relatively to and with said cradle supporting base member.

2,353,892
COMBINATION TABLE AND BENCH CONSTRUCTION
Joseph C. Higgins, Chicago, Ill.
Application July 11, 1942, Serial No. 450,608
5 Claims. (Cl. 155—123)



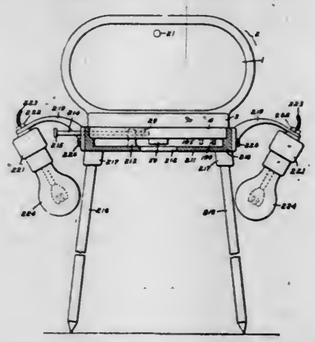
5. A table, including end frames and a top, bracing means beneath the top connected to portions of the end frames between the opposite sides thereof, benches in proximity to the opposite sides of the end frames each comprising substantially U-shaped supporting frames and a top of a length less than the distance between said end frames, portions of the normally inner sides of the U-shaped supporting frames being disposed outwardly of and beyond their respective tops and pivotally connected to adjacent portions of the opposite sides of the end frames, and means on said bracing means below the table top engageable by the benches, at times, for supporting said benches in positions beneath the table top at substantially right angles to their normal positions.

2,353,893
SHUTTER MECHANISM FOR PHOTORECORDING AND OTHER CAMERAS
Edson S. Hineline, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Original application April 10, 1940, Serial No. 328,868. Divided and this application May 16, 1941, Serial No. 393,785
19 Claims. (Cl. 95—60)



1. In a shutter movement for photographic cameras, a shutter plate whereon the operating parts are mounted and whereon is mounted a lens barrel, a pin 28 extending through an elongated opening in said shutter plate and connected to a manually operated part to be moved thereby, an upright, slidable, shutter-operating arm 135 moved by movement of said pin 28, a lever arm 133 extending in parallelism to and transversely of the face of said shutter plate and pivoted thereto and connected to said operating arm 135, and a lever member 139 pivotally connected to said lever arm 133 between its ends so as to be moved up and down in close parallelism to the face of the shutter plate, said lever member 139 having an opening therein surrounding the lens barrel, and at least one shutter blade pivotally mounted on said shutter plate and controlled in the movement thereof by said lever member 139, the means for so controlling the movement of the shutter blade including a lever arm 146 pivoted to said lever member 139 and having a formation to engage a formation on such shutter blade.

2,353,894
COPYING CAMERA UNIT
Edson S. Hineline, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Original application April 10, 1940, Serial No. 328,868. Divided and this application June 19, 1943, Serial No. 491,495
8 Claims. (Cl. 88—24)



1. A copying camera unit for photographing still records, such as letters, pages of books, etc., placed flatwise in a still condition on a horizontal base below the downwardly pointed camera, comprising, in combination: a camera support having manually-operated camera-operating means, said camera support comprising a tray-like, substantially flat portion adapted to have the camera directly and readily applied thereto and readily removed therefrom, with the lens of said camera pointed downward, said tray-like portion for that purpose being open below the lens of the camera when so positioned, said camera support having an upright leg or legs to support said tray-like portion thereof substantially above the base whereon the letters, books or the like to be photographed are placed in a still condition; said tray-like portion having mounted therein camera operating means for manual manipulation by the operator, and which manually-operable means for that purpose is readily connectable to and disconnectable from a camera-operating member of the camera that operates the shutter and feeds the film; a compact photographic camera adapted, as stated, to be received directly upon said camera support with the camera lens directed downwardly and the said camera operating member positioned so

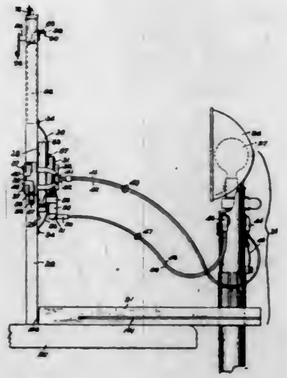
as to be accessible for ready connection to and disconnection from said camera-operating means; said camera having a mechanism-housing and having shutter and shutter operating means mounted within said mechanism-housing and also having film-feeding means mounted within said mechanism-housing, said camera having within said mechanism-housing the said camera operating member which is operatively connected to said shutter operating means and said film-feeding means.

2,353,895
FILM PACK HOLDER OR ADAPTER
Oscar Steiner, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application November 6, 1941, Serial No. 418,020
27 Claims. (Cl. 95—66)



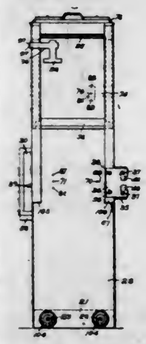
1. A film pack holder or adapter having a thin, substantially flat, front frame or member and a back frame or member, said two frames or members being structurally distinct, and means at substantially their extreme lateral edges to secure them together in face-to-face relation, said two frames or members being sufficiently spaced by a peripheral formation on one of said members, formed adjacent each of the side walls thereof and the bottom wall thereof, to receive a dark slide between them, said back frame or member having parallel, transversely extending, relatively high, top and bottom walls and parallel, longitudinally extending, relatively high, side walls, all projecting upwardly substantially normal to said front frame or member to a sufficient extent to receive a usual film pack having projecting tabs, thereby providing a relatively deep chamber to receive such film pack, said top wall having pack-holding-down spring means, said back frame or member at its longitudinally-extending lateral edges extending substantially beyond said side walls so as to provide substance for the reception of the said securing means by which said two frames or members are secured in such face-to-face relation, and a cover hinged at its lower end to the upstanding bottom wall of said back frame or member at the back of the latter to overlie said film pack, and having lateral, inwardly extending, relatively deep flanges to enclose said side walls, and having at its upper end formations to engage latching means upon said transversely extending top wall of the back frame or member the said cover at its upper end and the adjacent part of the back frame or member being shaped to afford a tab exit.

2,353,896
PHOTOGRAPHIC SYNCHRONIZER TESTING EQUIPMENT
Joseph A. Sprague, Honeoye Falls, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application September 30, 1942, Serial No. 460,313
12 Claims. (Cl. 234—60)



1. A testing equipment for photographic flashlamp synchronizers of the electromagnetic shutter-release type, including in combination: a vertical support and guide member provided with means for supporting a shutter and shutter-tripping means; a flashlamp supported in front of said shutter, said supported shutter being interposed between said support and guide member and the flashlamp; a sensitized material holder slidable downwardly in said member; a switch mounted on said support and guide member in the path of sliding movement of said holder, said switch being in electrical circuit with said shutter tripping means and with said flashlamp and with a source of potential, so that when said switch is closed by the downward movement of said sensitized material holder the flashlamp is operated and the shutter is momentarily opened; said vertical support and guide member having a shielded portion provided with two horizontally aligned light-passage openings, one only of said openings being behind the shutter, the other opening being exposed at all times to the light from the flashlamp, and said sensitized material holder being located and adapted in a recorded test to be dropped behind said two openings of said shielded portion, so as, in dropping, to present such sensitized-material for the recorded test and to actuate said switch, thereby to complete the circuit to the flashlamp and to cause said electromagnetic tripping means to open the supported shutter, and thus expose one of said two openings for the making of a record area on such sensitized material in the holder, and also simultaneously exposing the other of said two openings for the simultaneous making of another record area on the said sensitized material through said second opening, and spaced laterally from the first referred to record area, thereby to determine whether said two record areas are in sufficiently close horizontal alignment to indicate substantially correct synchronization.

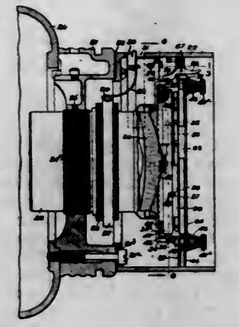
2,353,897
SENSITIZED MATERIAL HOLDER OR CARRIER FOR PHOTOGRAPHIC SYNCHRONIZER TESTING EQUIPMENT
Joseph A. Sprague, Honeoye Falls, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Original application September 30, 1942, Serial No. 460,313. Divided and this application September 2, 1943, Serial No. 500,910
12 Claims. (Cl. 88—14)



1. As a new article of manufacture for use in a testing equipment for photographic flashlight synchronization, a sensitized material holder adapted to be temporarily supported in said equipment and then dropped past light-admission openings in an upright wall of said equipment, said holder having at one side means for receiving sensitized material and at such side having means for receiving a dark slide for covering such sensitized material when in the holder and having at the other side a dark slide having therein at least two adjacent through-openings in substantially vertical alignment, said openings having different light transmitting characteristics, whereby to determine through which of said dark slide openings light is transmitted in making a visual test, while said holder is dropping past a light-admission opening of said equipment and the open shutter, said holder also having a separating plate provided with an opening therein which is elongated sufficiently to expose both of the said openings in the dark slide, and which is in alignment with said openings in the dark slide.

2,353,898
FILTER AND HEATER UNIT HOLDER, PARTICULARLY FOR AERIAL CAMERAS
Reynold J. Nitsch, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application October 9, 1942, Serial No. 461,395
30 Claims. (Cl. 95—81.5)

1. A filter mount or holder particularly for aerial photographic cameras including, in combination, and for attachment to the objective lens barrel of the camera, filter support means constructed to be removably attached directly to and against the front face of said objective lens barrel, said filter support means consisting wholly of two ring-plate-like members in face to face relationship, at the rear face of the forward one of which two members the filter element may be received, and a heater unit supported directly by the innermost of said two plate-like members in close proximity and substantial parallelism to the inner face of the filter element when the latter is in its position against the rear face of the forward one of said plate-like members, and means engaging both of said members and spaced circumferentially about the same, for holding

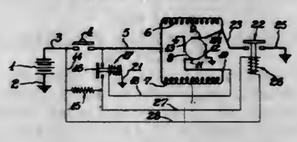


said two members removably together with the filter and the heater unit between them, the said innermost member having a protruding formation shaped to be applied directly to and to be removably attached to the front face of the said lens barrel.

2,353,899
ISOMERIZATION OF PARAFFIN HYDROCARBONS
Vladimir N. Ipatieff and Herman Pines, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 6, 1940, Serial No. 328,321
9 Claims. (Cl. 260—683.5)

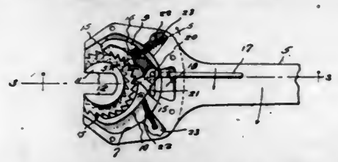
1. A process for the isomerization of normal pentane into iso-pentane which comprises subjecting said normal pentane under isomerizing conditions to contact with catalytic material consisting essentially of a fused mixture of aluminum chloride and calcium chloride in the molal ratio of aluminum chloride to calcium chloride greater than 1 and a minor amount of hydrogen chloride.

2,353,900
ELECTROMAGNETIC BRAKE
Clinton S. Janes, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 19, 1942, Serial No. 458,973
6 Claims. (Cl. 290—38)



2. In combination with a starting circuit including a battery, a starting switch and a starting motor having a field and an armature, means responsive to opening of the starting switch for diverting the flow of battery current from the armature while maintaining said flow through the field, and means for opening the starting circuit when the starting motor comes substantially to rest.

2,353,901
WRENCH
Laddie Joe Jires, Baltimore, Md.
Application September 28, 1943, Serial No. 504,157
3 Claims. (Cl. 81—62)



1. In an end wrench, a handle, a head on said handle, an end type jaw journaled in said head, groups of ratchet teeth on said member and one group of ratchet teeth being reversely arranged to the other group of ratchet teeth, a dog carried by the head to coact with one group of ratchet teeth, a second dog carried by the head to coact with the other group of ratchet teeth, means mounting the dogs for pivotal movement in the head, coil springs connected to the dogs, shafts journaled in said head and including finger pieces and cranks with the crank of one shaft connected to one spring and the crank of the other shaft connected to the other spring whereby the rotation of said shafts may either tension the springs or place said springs under pressure to cause the dogs to be correspondingly disengaged or engaged with the ratchet teeth.

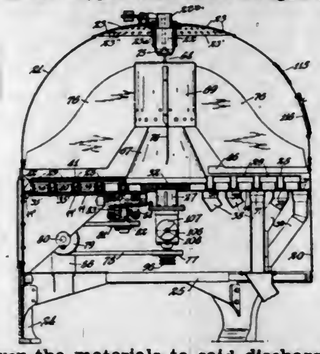
2,353,902
MANIFOLDING
Arthur A. Johnson, Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application April 17, 1942, Serial No. 439,306
18 Claims. (Cl. 282—22)



13. A collated set of interleaved record and transfer sheets secured together by fastening means located in superposed imperforate areas of the record sheets adapted to be blanked-out of the sheets along with the fastening means to free the sheets from the fastening means by a punch which holds the record sheets against movement while the transfer sheets are extracted from between the record sheet, the transfer sheets having a slit extending from the removable portion to the adjacent edge of the sheet to facilitate movement of the transfer sheet past the punch.

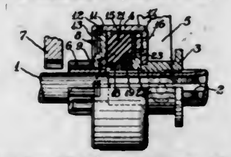
2,353,903
GRANULAR MATERIAL GRADER AND PURIFIER
Leonard Johnson and Martin A. Rieman, Minneapolis, Minn., assignors to Hart-Carter Company, Peoria, Ill., a corporation of Delaware
Application December 26, 1942, Serial No. 470,178
30 Claims. (Cl. 209—145)

1. In a machine of the kind described, a casing, and within said casing a rotary upper table and a non-rotary lower table, said upper table having concentric grading channels and intervening imperforate table surfaces and depending sweepers, said lower table having concentric discharge-port-equipped trough-like receiving channels, the latter underlying and receiving from the overlying grading channels of said upper table, and in which receiving channels the sweeper blades of said upper table are arranged to travel



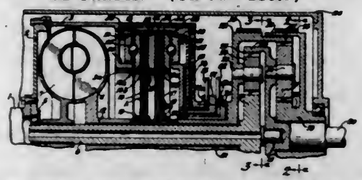
to deliver the materials to said discharge ports, and means in the upper portion of said casing for producing a shower of materials to be separated.

2,353,904
ENGINE STARTER GEARING FOR INTERNAL-COMBUSTION ENGINES
Burr W. Jones, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 21, 1943, Serial No. 483,954
6 Claims. (Cl. 74—6)



1. In an engine starter, a power shaft, a pinion slidably journalled thereon, and means having a splined connection with the pinion transmitting torque from the shaft to the pinion, said means including a member of elastically deformable material, a portion of said member bearing on the pinion to yieldingly transmit longitudinal movement thereto.

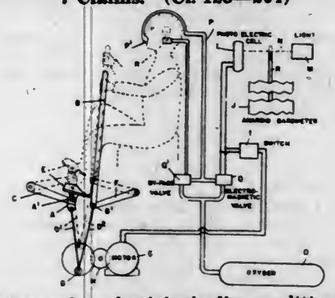
2,353,905
POWER TRANSMISSION
Oliver K. Kelley, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 27, 1941, Serial No. 400,014
24 Claims. (Cl. 74—189.5)



1. In power transmissions, the combination of a power shaft and a load shaft; a compound epicyclic gear unit having two elements adapted to be coupled to said power shaft, two elements rotating with said load shaft, and two elements adapted to be locked against rotation to provide torque reaction for drive through the gears of said unit; coupling means for said first two named elements, including a fluid turbine drive

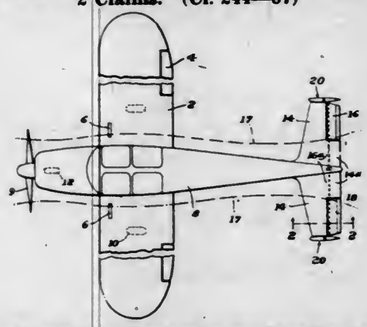
unit arranged to transmit the power of said power shaft to one of said first named elements, and controllable actuation mechanism operative to provide either selective drive between said power shaft and said first two named elements, or compound drive by both of said elements at the will of the operator.

2,353,906
AUTOMATIC MEANS FOR PREVENTING DETRIMENTAL PHYSIOLOGICAL REACTIONS AT HIGH ALTITUDES
Harry M. Kirschbaum, Detroit, Mich.
Application September 8, 1942, Serial No. 457,676
7 Claims. (Cl. 128—204)



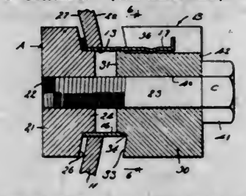
1. Means for physiologically conditioning the body of an animal subject for safety at high altitudes, comprising gas administering means, an oscillator for one or more members of the body, and means responsive to changes in barometric pressure for controlling said gas administering means and oscillating means.

2,353,907
AIRPLANE
Otto C. Koppen, Newton, Mass., assignor to General Aircraft Corporation, Dover, Del., a corporation of Delaware
Application August 9, 1943, Serial No. 497,907
2 Claims. (Cl. 244—87)



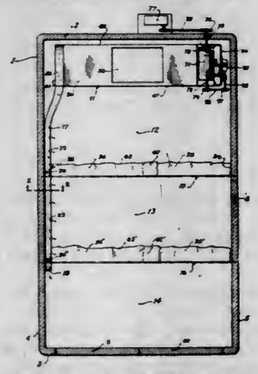
1. An airplane having in combination, a supporting wing, a fuselage having nose, body and tail portions, a single tractor propeller at the nose having its axis substantially in the vertical plane of the longitudinal axis of said fuselage, a horizontal stabilizer laterally extending on each side of the tail portion of said fuselage in general L form and extending across the propeller slipstream in normal level flight attitude, said stabilizer in normal flight presenting to the propeller slipstream only normally fixed surfaces, a single pair of elevators mounted on the stabilizer with each elevator laterally spaced a substantial distance from said fuselage, each hingedly mounted in the angle of an L of said stabilizer thereby minimizing elevator tip losses at the in-board end of each said elevator and having its major portion located laterally outside the zone of the propeller slipstream, and vertical tail surface means symmetrically disposed with reference to said propeller axis.

2,353,908
TOOL FOR APPLYING CABLE CLIPS
Bernard V. Kruger, Long Beach, Calif.
Application May 31, 1943, Serial No. 489,173
3 Claims. (Cl. 218—19)



1. A tool for applying a clip to a curved wall, the clip including an annular body to be inserted in an opening in the wall and having inner ears radially projecting to engage the inner surface of the wall, outer ears projecting axially from the outer end of the body and adapted to be bent into engagement with the outer surface of the wall, and clamp arms projecting from the outer end of the body, the tool including, an inner die having a hub to enter the annular body and a die face surrounding the hub to engage the inner ears and curved to correspond to the inner surface of the wall, an outer die having a hub to enter the body, a die face surrounding the hub to engage the outer ears and bend them into engagement with the outer surface of the wall and being curved to correspond to the outer surface of the wall, the outer die having channels to freely receive the arms, a screw carried by the outer die having a head at the outer end of the outer die and threaded into the inner die, and a handle on the inner die.

2,353,909
TRUCK REFRIGERATION
Eric W. Lager, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application September 30, 1940, Serial No. 358,943
8 Claims. (Cl. 62—24)



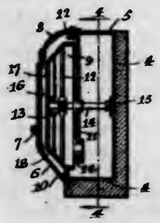
1. In a refrigerated vehicle, one or more curtains substantially impervious to the passage of

air therethrough for dividing said vehicle into a plurality of transverse sections, means for slidably suspending said curtains from the ceiling thereof, and means for fastening the outer edges of said curtains to the walls of said body, said curtains being of a length sufficient to permit a substantial portion to lie upon the floor.

2,353,910
COATING COMPOSITION
William P. Lawler, George J. Hable, and John Vernon Steinle, Racine, Wis., assignors to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin
No Drawing. Application February 18 1942, Serial No. 431,338
17 Claims. (Cl. 260—22)

1. A coating composition comprising a resin resulting from the polymerization of a vinyl ether of an alcohol having from about 10 to 35 carbon atoms, an alkyd resin which has been modified about from 25% to 90% with an oxidizable unsaturated fatty acid and a volatile organic solvent for the modified alkyd resin, the ingredients being present in the proportion by weight of about from .1 of one to 13 parts of the said polyvinyl resin to 100 parts of the said modified alkyd resin, whereby, upon evaporation of the solvent, a flexible, moistureproof, homogeneous, strong, tough and firmly adherent coating or film is produced.

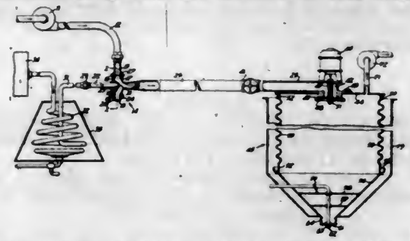
2,353,911
LEVEL INDICATOR
Emile Leveille, Montreal, Quebec, Canada
Application November 10, 1943, Serial No. 509,727
In Canada November 17, 1942
2 Claims. (Cl. 33—215)



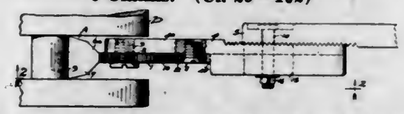
1. A level indicator comprising a mounting having a plane bottom surface, a casing set in one of the lateral faces of said mounting, a graduated ring fixed in said casing, a shaft journalled in said ring, a weighted pointer fixed on said shaft and cooperating with the graduations on said ring, a disk fixed on said shaft adjacent to said ring, and cooperating vernier graduations on said disk and ring.

2,353,912
MEANS FOR HOMOGENIZING AND HEAT-TREATING FLUIDS
Ernest E. Lindsey, Los Angeles, Calif., assignor of one-half to Elmer H. Berryman, San Francisco, Calif.
Application April 23, 1940, Serial No. 331,153
2 Claims. (Cl. 261—79)

1. A device for homogenizing and heat treating edible fluid materials comprising: a generally cylindrical chamber formed on its periphery with a tangential intake for the material to be homogenized and heat treated; an axial, inwardly extending, inwardly converging conical deflector supported by one end wall of said cylinder opposite said tangential intake; an axial steam nozzle communicating with the interior of said chamber through the apex of said conical deflector; an axial outlet pipe secured to the other end wall of said chamber; and a valve associated with said outlet pipe for controlling the rate of flow of fluid therethrough.

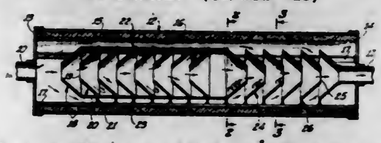


2,353,913
CUTTING-OFF TOOL AND HOLDER
John M. Luers, Mount Clemens, Mich., assignor to John Milton Luers Patents Incorporated, Detroit, Mich., a corporation of Michigan
Application April 5, 1943, Serial No. 481,849
9 Claims. (Cl. 29—102)



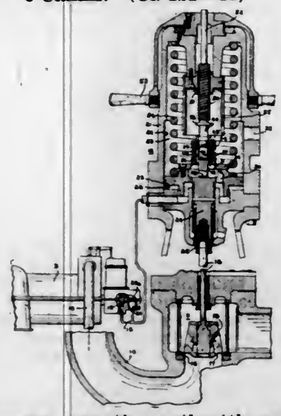
1. A cutting-off tool including a body having a head extending along one edge, a preformed cutting surface on the outer edge face of the head, a cutting edge formed across one extremity of the cutting surface, the head being of increased width from the body and widest across its cutting surface, and teeth formed on the edge of the body opposite the head, in combination with a supporting member, means holding the body immovable on the latter including a locking pinion carried by said member, and means for holding the locking pinion immovable.

2,353,914
MUFFLER
William B. McLeod, Los Angeles, Calif.
Application August 3, 1942, Serial No. 453,326
10 Claims. (Cl. 181—48)



1. A muffler comprising means providing an outer shell having an inlet adjacent one end and an outlet adjacent the other, there being a continuous straight unobstructed passage through the shell from the inlet to the outlet, means providing a series of outwardly extending cavities within the shell adjacent the inlet, said cavities being closed except around said passage, said cavity providing means being in spaced relation to the inner wall of the shell and from the inlet whereby a portion of the gases entering through the inlet may pass directly into the passage and the remainder of the gases flow around the cavity providing means toward the outlet.

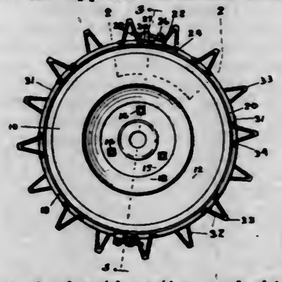
2,353,915
THROTTLE VALVE MECHANISM
Frank A. Meyer, Sharon Hill, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 23, 1942, Serial No. 440,153
6 Claims. (Cl. 121—41)



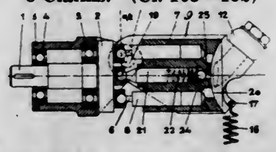
1. Means for actuating a throttle valve for a prime mover in response to an operating characteristic of the latter and comprising a cylinder, a piston in the cylinder, said piston dividing the interior of the cylinder into a drainage space and a pressure space, a first spring exerting force on the piston, means including an orifice for supplying liquid from a suitable source to the pressure space to exert force on the piston in opposition to that of said spring, means for effecting sudden release of pressure in said pressure space; a threaded stem having its inner end disposed adjacent to the piston, means including a nut for supporting the stem from the cylinder, said piston having an opening extending therethrough and providing for discharge of liquid from the pressure space to the drainage space, a valve in covering relation with respect to the discharge end of the opening and cooperating with the piston to interrupt flow through the latter, a member abutting the inner end of the stem, a second spring between said member and the valve, a bypass passage formed in the abutment member and continuously open to the drainage space of the cylinder, a valve portion carried by said valve and slidable with respect to the member to overlap the inner end of the passage to interrupt communication thereof with the pressure chamber and to uncover the inner end of the passage to provide for communication thereof with the pressure chamber, said slide valve portion cooperating with the inner end of the passage to provide an area of communication thereof with the pressure space which gradually increases or decreases with relative opening and closing movements of the slide valve portion and of the abutment member from and toward lapping position, and means for turning the stem.

2,353,916
TRACTION DEVICE FOR VEHICLE WHEELS
John Mickelson, Lincoln, Nebr.
Application April 30, 1942, Serial No. 441,141
2 Claims. (Cl. 152—56)

1. A pneumatic tire armor comprising a sectional annulus having a concave inner surface and a convex outer surface, traction lugs carried by the outer surface of said annulus, an upstanding apertured ear carried by each section adjacent each end thereof and medially between the sides thereof, an upstanding U-shaped socket carried by each section adjacent each end thereof, the socket at one end being disposed on the side of an ear opposite from the socket at the opposite end of said section, a locking tongue fixed to each end of a section and projecting therefrom for engagement with a socket of an adjacent section, each tongue being positioned on the side of an ear opposite from a socket, said tongue slidably engaging in said sockets whereby the diameter of said annulus may be varied, and holding bolts engaging through adjacent ears.



2,353,917
AXIAL PISTON PUMP
Hans Molly, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian
Application August 10, 1940, Serial No. 352,146
In Germany August 11, 1939
3 Claims. (Cl. 103—162)

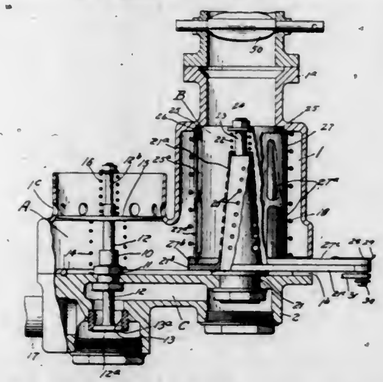


1. In a hydraulic pump of the piston type, a cylinder block formed with a plurality of cylinder bores, means for supporting said block for rotation about its axis, pistons in said bores, a driving flange mounted for rotation about its axis, mounting means for said flange, a centering ball concentrically connecting said block and said flange, the center of said ball lying on both of said axes, piston rods operatively connecting said pistons and said flange, said pistons and said bores being so related as to cause said block and said flange to rotate in synchronism, said supporting means for said block being pivotally connected with said mounting means for said flange to allow relative inclination of said axes to cause variations of the stroke of the pump in response to variations of inclination of one of said axes relative to the other axis, the axis of the pivotal connection of said supporting means and said mounting means being spaced from said center of said ball and the axis of said driving flange to produce a lever arm which is subjected to the force exerted by said pistons when there is relative inclination of the axes, to decrease the inclination and consequently the stroke of the pump, such force corresponding to the fluid pressure of the pump, and resilient means for causing relative inclination of the axes by exerting a force to increase the relative inclination of the axes and consequently the stroke of the pump.

2,353,918
METHOD FOR PREPARATION OF TiO_2
Reginald Hill Monk, Montreal, Quebec, Canada, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application September 3, 1941, Serial No. 409,430
11 Claims. (Cl. 23—202)

1. In a process for producing titanium dioxide by the hydrolysis of a titanium salt solution, the step of progressively adding, under agitation, a titanium salt solution maintained at a temperature below that of hydrolysis, to a bath maintained at a hydrolyzing temperature and containing a mutually precipitated mixture of insoluble salts comprising an insoluble double fluoride of titanium and potassium and an insoluble salt which is a member of the group consisting of the cadmium, indium, tin and antimony salts of the aliphatic di- and tri-carboxy acids having not more than six carbon atoms in any one straight or branched chain of the organic radical, said mixture having been prepared by double decomposition and mutual co-precipitation of a soluble titanium potassium double salt of one of said acids and a soluble fluoride of one of said metals.

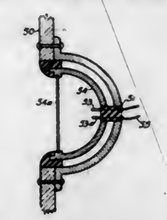
2,353,919
FUEL SUPPLY MEANS
Rolla A. Morton, Long Beach, Calif.
Application August 22, 1941, Serial No. 407,945
12 Claims. (Cl. 48—180)



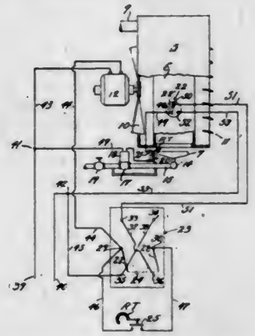
1. Fuel supply means for an internal combustion engine comprising, a carburetor having air and gaseous fuel inlets and a mixing chamber beyond said inlets communicating with a passage to the engine, valves in said inlets controlled by engine suction, a cone-shaped fuel metering device in said chamber, a passage from said fuel inlet through said metering device, an air metering device encompassing said fuel metering device, and a passage from said air inlet to the said air metering device.

2,353,920
VIBRATION DETECTOR
David Saville Muzzey, Jr., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 30, 1942, Serial No. 445,413
1 Claim. (Cl. 177—352)

In a system for detecting mechanical oscillations in a medium subject thereto by observing variations in an electric current responsive to said oscillations, an electrolytic cell adapted to be placed in contact with said medium, said cell confining an electrolytic liquid, two electrodes held in rigid relationship with regard to each other in contact with said liquid, one of said electrodes having a reduced area forming substantially a point contact with said liquid, said area being of the order of two thousandths of a square inch, and the other electrode having an extended area of contact with said liquid, and means for passing between said electrodes a direct current along a path through said liquid having a current density increasing toward said first electrode.

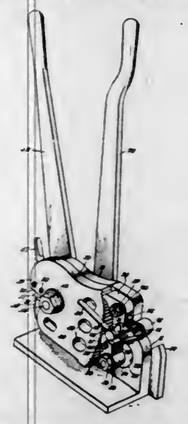


2,353,921
CONTROL SYSTEM FOR UNIT HEATERS
William M. Myler, Jr., Columbus, Ohio, assignor to General Properties Company, Inc., Toledo, Ohio, a corporation of Delaware
Application November 25, 1942, Serial No. 466,960
2 Claims. (Cl. 126—110)



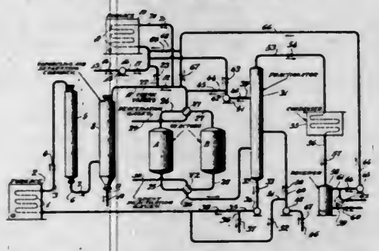
1. The combination with a space heater comprised of a radiator, a motor driven fan for forcing air past the radiator and an electrically operated device for controlling the application of heat to the radiator, of a double-pole multiple-position switch, means comprising said switch when it is in one of its closed positions for making ready a first power circuit to said electrically operated device and for closing a power circuit to said fan motor so that the latter will run irrespective of whether or not the said first power circuit is open or closed, means including a room thermostat for controlling the opening and closing of the said first power circuit, means comprising the said switch when it is in a second of its closed positions for making ready a power circuit common to said fan motor and to said electrically operated device, and means comprising said room thermostat for controlling the opening and closing of the last mentioned circuit.

2,353,922
ROD AND CABLE CUTTER
Ernest C. Neal, Chicago, Ill.
Application June 17, 1943, Serial No. 491,179
17 Claims. (Cl. 164—44)



1. A portable, multi-stroke cutter of the character described for cutting metal rods, cables and the like comprising a member having a cutting jaw, a second member pivotally mounted on said first member and having a cutting jaw cooperating with said first jaw, a lever rigidly attached to said first member, a second lever pivotally mounted on said first member for movement towards and away from said rigid lever, and means for effecting step-by-step movement of said second member in a cutting direction in response to successive movements of said second lever in a direction away from said rigid lever whereby cutting is effected by pushing on one lever and pulling on the other.

2,353,923
HYDROCARBON CONVERSION
Edwin F. Nelson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 27, 1940, Serial No. 331,925
4 Claims. (Cl. 196—49)

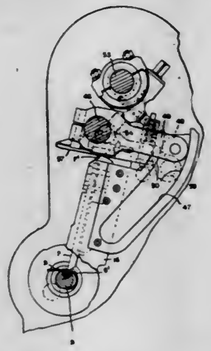


4. A process for the conversion of hydrocarbon oil which comprises subjecting a charging oil to thermal cracking, separating the resultant cracked products into vapors and residue, subjecting substantially all of the vapors to the action of a cracking catalyst in the presence of a hydrocarbon oil, derived from a source independent of the vapors and capable of transferring hydrogen to said vapors, for a time period and at a temperature in excess of 600° F. suitable for producing a substantially olefin-free gasoline.

2,353,924
METHOD OF PRODUCING EDIBLE COMPOSITIONS
Frank E. Parker, Duluth, Minn., assignor to Hanson Fish Products Company, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application April 22, 1943, Serial No. 484,109
2 Claims. (Cl. 99—111)

1. A method of producing an edible composition which comprises grinding a quantity of smoked salmon meat, thereby producing a mass of finely divided desiccated particles; mixing said mass with a quantity of a mass of coarsely divided particles of canned salmon meat, thereby causing the finely divided particles to absorb a large proportion of the fish oil adhered to the particles of canned salmon meat; and grinding the coarse particles of canned salmon meat, thereby producing a homogeneous plastic mass.

2,353,925
APPARATUS FOR FORMING ARCUATE BEARINGS
Wayne W. Pattison, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application May 18, 1942, Serial No. 443,536
19 Claims. (Cl. 153—2)

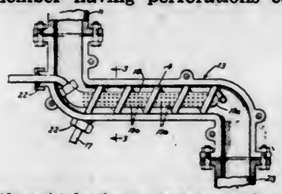


1. In a machine for forming arcuate bearings from flat strips, an exchangeable mandrel, strip rolling means associated with said mandred, reciprocating means frictionally engaging a flat portion of said strip for advancing the same in relation to said mandrel, means for adjusting the amplitude of movement of said reciprocating means and the length of advancement of the strip thereby to correspond to the size of said mandrel, and means intermediate said strip advancing means and mandrel for clamping and holding said strip stationary against the return pull of said reciprocating means while operated upon by said rolling means.

2,353,926
GAS GENERATING APPARATUS
Stanley E. Peters, Chicago, Ill.
Application July 17, 1941, Serial No. 402,803
2 Claims. (Cl. 261—13)

1. Apparatus of the class described comprising a cylindrical fuel conducting casing, a helical tube for a heating medium located in the casing and contacting the interior wall thereof, a tubular central member located within and filling the center of the tube helix and cooperating

with the latter and the casing to define a fuel confining helical passage within the casing of a length corresponding to the helix of the tube, said central member having perforations communi-

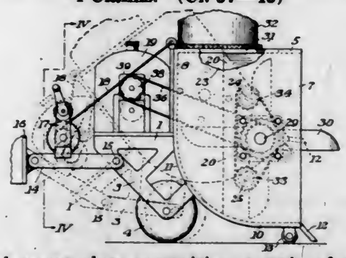


cating with said helical passage and means for supplying said tubular central member with a supplementary fluid for discharge through the perforations of the latter into the helical stream passing through the casing.

2,353,927
CHEWING GUM MATERIAL
Oscar A. Pickett, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1942, Serial No. 460,833
15 Claims. (Cl. 99—135)

1. A chewing gum comprising an elastomeric ester of a polyhydric alcohol and a maleic adduct of an unsaturated cyclic material selected from the group consisting of monohydric esters of rosin acids and unsaturated terpenes and a modifier selected from the group consisting of waxes and softeners.

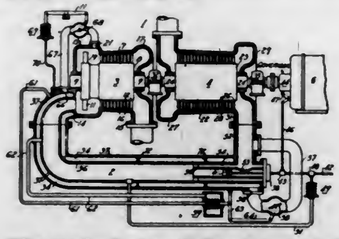
2,353,928
SNOWPLOW
Michael Miller Piltz, Halifax, Pa.
Application February 27, 1943, Serial No. 477,335
4 Claims. (Cl. 37—43)



3. A snow plow comprising a pair of ground wheels, a snow removal housing mounted forwardly of the wheels, rotary chopping means and rotary ejecting means arranged in side by side relation in the housing and rotatable on horizontal axes extended transversely thereof, substantially horizontal push bars pivotally coupled with the assembly and extended rearwardly of the wheels for attachment to a propelling vehicle, and a winch mounted on the said push bars rearwardly of their pivotal coupling with the assembly and connected through a cable with the upper part of the housing.

2,353,929
COMBUSTION TURBINE
James L. Ray, Elm Grove, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application January 29, 1940, Serial No. 316,073
24 Claims. (Cl. 60—41)

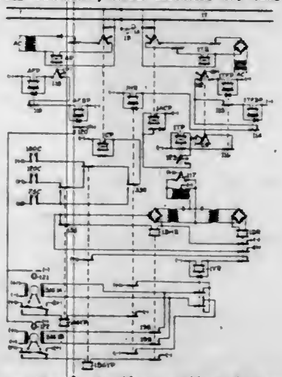
22. In a combination comprising a compressor, a multi-stage gas turbine drivingly connected with said compressor, and a combustion chamber and nozzle structure forming a high temperature motive fluid generating passage connecting the discharge end of said compressor with the first stage of said turbine, means forming with a high temperature motive fluid confining wall portion of said structure a surrounding cooling fluid passage for conducting a portion of the air discharged from said compressor in direct heat exchanging relation with said high temperature motive confining wall portion and then into a stage of said turbine which is disposed in series flow relation with respect to said first stage and in which the temperature and the pressure of the motive fluid are commensurate with the temperature and the pressure of the entering air.



23. The method of operating a power plant including a compressor, a multistage gas turbine drivingly connected with said compressor, and a combustion chamber and nozzle structure forming a passage connecting the discharge end of said compressor with the first stage of said turbine which comprises forming with the compressed air entering the combustion chamber portion of said passage a high temperature motive fluid which flows through the nozzle portion of said passage and into the first stage of said turbine, and conducting a portion of the air discharged from said compressor in direct heat exchanging relation with a high temperature motive fluid confining wall portion of said structure and then into a stage of said turbine which is disposed in series flow relation with respect to said first stage and in which the temperature and the pressure of the motive fluid are commensurate with the temperature and the pressure of the entering air.

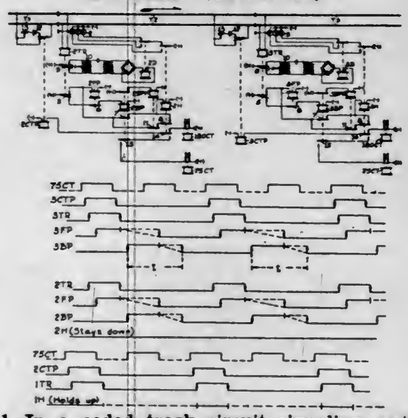
2,353,930
CODED TRACK CIRCUIT SIGNALING SYSTEM
Frank X. Rees, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application August 3, 1942, Serial No. 453,313
25 Claims. (Cl. 246—38)

1. In an approach lighting system for a double track railroad having traffic in the same direction on both tracks comprising, two track sections one on each track and substantially coextensive, signals at the entrance and exit ends of each section, coded track circuit apparatus associated with each track section for transmitting any selected one of a plurality of driven code pulses over the rails of that section from the exit end thereto in accordance with traffic conditions in advance, each of said code pulses comprising a number of half-cycles of alternating current, said coded track circuit apparatus for one of said sections only also transmitting an inverse code from the entrance end of said one section toward the exit end by applying momentary pulse across the rails between the impulses of any driven code, code responsive means for the entrance end of each section distinctively responsive to its driven codes to control the indications of its entering signal, said code responsive means for the entrance end of said one track section having no inverse code therein acting to also control the inverse code on the other track section, and means at the exit end



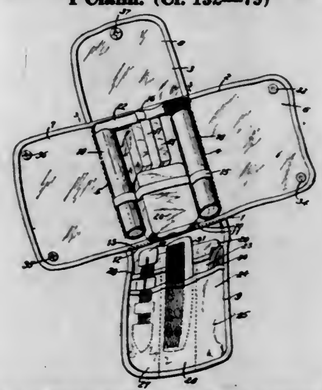
of said one track section acting in response to said inverse code in that track section to control the lighting of the exit signals for both said track sections, whereby a train on either track causes the approach lighting of the signals for the exit ends of both said track sections.

2,353,931
CODED TRACK CIRCUIT SIGNALING SYSTEM
Wade H. Reichard, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 17, 1942, Serial No. 451,272
15 Claims. (Cl. 246—34)



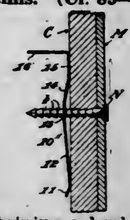
1. In a coded track circuit signaling system for railroad tracks divided into adjoining track sections electrically separated by insulated joints, a signal at the entrance to the forward track section for governing train movement into that track section, a code following track relay connected across the track rails at the entrance end of the forward track section, code transmitting means for applying code pulses to the track rails at the exit end of the rear track section, decoding means for governing the indications of said signal and including relay means energized to permit said signal to give an indication more favorable than stop only if said track relay is successively energized at intervals less than a predetermined time period, and means responsive to the energization of said track relay for rendering said code transmitting means ineffective for a time longer than said predetermined time period, whereby in the event of a breakdown of said insulated joints said signal cannot be cleared by the code pulses alone applied to the rear track section by said code transmitting means.

2,353,932
NONCRUSHABLE KIT CONSTRUCTION
Lewis A. Schaffer, Los Angeles, Calif.
Application November 1, 1943, Serial No. 508,458
1 Claim. (Cl. 132—79)



A kit for servicemen and others comprising two flexible strips positioned crosswise with the overlapping portions stitched on three sides and the extending portions forming side and end flaps each adapted to overlie the overlapping portions of the strips, a base stiffening element insertable through the unstitched side of the overlapped portions and encompassing substantially the entire area of the overlap, a plurality of noncrushable toilet articles removably secured to the inner face of the overlap, one flap having a pocket formed therein, a top stiffening element insertable in said pocket and encompassing substantially the entire area of the flap, said one flap being of a size to entirely cover the overlapping portions when the kit is closed, and means for securing the side and end flaps in overlying position to close the kit.

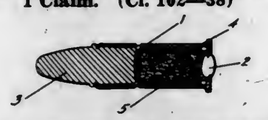
2,353,933
SECURING CLIP
Robert A. Schneider, Fort Washington, Pa., assignor to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania
Application September 22, 1941, Serial No. 411,935
4 Claims. (Cl. 85—51)



1. A clip for retaining a barbed nail in driven position comprising an elongated body member having bearing portions adjacent the ends thereof, a yieldable portion intermediate the bearing portions having a slit extending longitudinally of

the body member, a barb receiving channel adjacent one end of the slit, and a finger gripping lip at one end of the body member at right angles to the adjacent bearing portion.

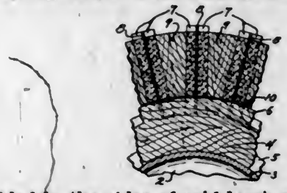
2,353,934
CARTRIDGE
Joseph Schreib, Baltimore, Md., assignor of thirty-three and one-third per cent to John G. Onnen and thirty-three and one-third per cent to Frederick William Nagler, both of Baltimore, Md.
Application December 18, 1940, Serial No. 370,570
1 Claim. (Cl. 102—38)



A cartridge comprising in combination a cartridge casing of conventional form arranged to hold a bullet in its forward end portion and have capacity for an explosive charge in the after portion and a cap attached at the back thereof, an explosive charge fitted into the cap for setting off a preliminary explosion in the cartridge casing when fired in a gun, said cap having a flat surface area forming the rear wall surface of the after portion and with a central orifice therein for the preliminary explosion to flow the explosive gases thereof into the central area of the after portion towards the forward end of the said casing, a bullet having grooves peripherally arranged near its middle portion for the casing wall to grip in for holding same, the rear end portion of the bullet facing the said after portion being slightly concaved, a main exploding charge of explosive for propelling the bullet from the casing out of the forward end when the preliminary explosion is set off and lights same, a container of waterproof and combustible Cellophane material formed to fit closely in the cartridge with the rear end wall flat against the flat surface of the cap aforesaid and its front portion against the rear end of the bullet arranged flat so as to allow an open space between it and the concave surface aforesaid, the front portion of the container being overlapped on itself to increase its thickness and render it more obstructive to entrance of moisture through that portion of the container, said container having its walls formed with longitudinal ribs adapted to keep the container wall in general spaced from the inside wall surface of the said casing, said ribs being relatively small and extending up and down the container wall for a greater proportion of its length, so as to facilitate the combustion of the material in the casing and the passage of gases between the ribs, and provide a space for the main explosive charge to resiliently expand as the preliminary charge passes into same, substantially as described.

2,353,935
TIRE
George D. Scott, San Francisco, Calif.
Application March 9, 1943, Serial No. 478,505
3 Claims. (Cl. 152—303)

1. A tire for automotive vehicles and the like adapted to be mounted on a conventional steel rim, said tire comprising in combination an auxiliary wooden rim, said auxiliary rim composed of a plurality of arcuate segments, laminae each connected at one end to said auxiliary rim and extending radially outwardly therefrom and circumferentially of said auxiliary rim, said laminae comprising a plurality of sets of plates of resilient material and a sheet of fabric interposed between the plates of each set, and a wedge-shaped spacer member of material less resilient than said plates interposed between each set of plates, said plates and sheet of fabric being initially slightly longer than said spacers, a notch pro-



vided in the sides of said laminae and formed to retain a rod seated therein, and fastening means to join the ends of said rod together, said fastening means including means to tighten or loosen selectively said rod.

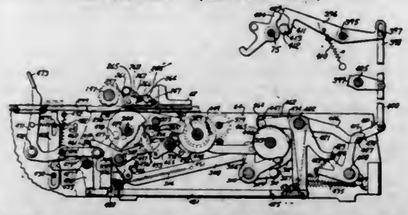
2,353,936
AIR FILTERING MATERIAL
Irving Newton Smith, Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
No Drawing. Application November 18, 1941, Serial No. 419,620
5 Claims. (Cl. 183—45)

4. Filter material for filtering dust particles out of gas comprising a porous base of fibrous glass, and a coating thereon of a deliquescent substance in water solution admixed with a wetting agent, said substance forming a stable solution of low vapor pressure and being selected from the group consisting of zinc chloride and lithium chloride.

2,353,937
AIR FILTERING MATERIAL
Irving Newton Smith, Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
No Drawing. Application February 11, 1943, Serial No. 475,573
3 Claims. (Cl. 183—45)

1. Filter material comprising a porous base of fibrous glass of a porosity permitting the ready passage of air therethrough, and a coating thereon of zinc chloride in water solution, cellulose, and a wetting agent.

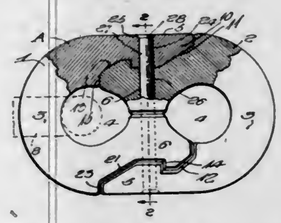
2,353,938
ACCOUNTING MACHINE
Pascal Spurlino, Mayo A. Goodbar, and Marvin D. Frost, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application November 14, 1941, Serial No. 419,176
12 Claims. (Cl. 197—141)



2. In a machine having means to print on insertable record material provided with a plurality of printing spaces, and means to feed the record material into printing positions, the combination of a plurality of control keys; control

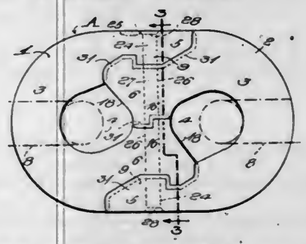
disks differentially adjustable under the control of said keys; a feeling device to sense the presence or absence of record material in the machine; means to normally maintain the feeling device inactive, said means being under the control of said disks to release said feeling device when the disks are differentially adjusted under control of certain ones of said keys; and means, under control of said feeling device when the feeling device is released, for locking the machine against a subsequent operation when the machine is operated with no record material in the machine, or after the record material has been fed into position to receive a print in a certain one of the spaces on said record material, in which position the record material is out of the range of the feeling device.

2,353,939
DETACHABLE LINK
Gilson C. Staats, Chester, Pa., assignor to himself and N. D. Powell, New York, N. Y.
Application March 13, 1943, Serial No. 479,125
7 Claims. (Cl. 59—85)



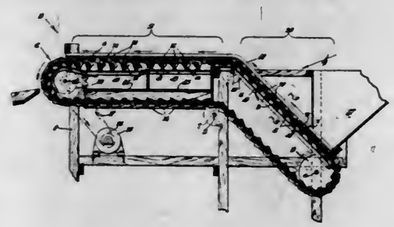
3. A detachable link or shackle comprising a pair of members each having an eye and a pair of inwardly extending arms spaced to form a throat communicating with the eye, the arms of the members being arranged to overlap with one arm of each member fitting within the throat of the other member when the members are in engagement, said arms being provided with interengaging portions adapting the members to be engaged and disengaged by relative lateral movements thereof and when engaged to be held against relative longitudinal movements, and means for connecting said members and holding them from separation.

2,353,940
DETACHABLE LINK
Gilson C. Staats, Chester, Pa., assignor to himself and N. D. Powell, New York, N. Y.
Application May 14, 1943, Serial No. 487,029
4 Claims. (Cl. 59—85)



1. A detachable link or shackle comprising a pair of transversely divided substantially U-shaped members having the free ends of their arms provided with interengaging portions adapting the members to be engaged and disengaged by relative lateral movements thereof and when engaged to be held against relative longitudinal movements, and said ends of the arms of said members having bosses extending inwardly therefrom and closing the throats between the arms of the members when engaged, said bosses being provided with interengaging portions, and means for connecting said members and holding them from separation.

2,353,941
OLIVE SIZER
Fred Stebler, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application November 16, 1942, Serial No. 465,731
10 Claims. (Cl. 209—106)

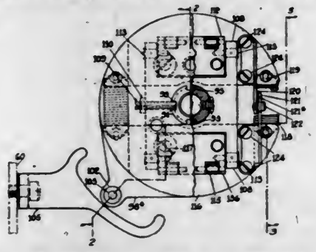


1. In a sizer the combination of: an endless conveyor mounting two endless series of rollers, one series of rollers being pivotally mounted on said conveyor and travelling uniformly along the path thereof and the other series of said rollers being swingably mounted on said conveyor to be movable into and from the spaces between said first series of rollers; means for rotating said first series of rollers so that the bottom surfaces thereof travel in the same direction as said conveyor at a faster rate than said conveyor travels in said direction; the rollers of said first series being spaced to allow the rollers of said second series to swing upwardly therebetween to form fruit-supporting valleys; and means for rotating the rollers of said second series in the same direction as the rollers of said first series and permitting the rollers of said second series to swing downwardly to form sizing openings in the valleys between the rollers of said first series and the rollers of said second series, a portion of said conveyor for receiving fruit thereon before said sizing commences being relatively steeply inclined upwardly, the rotation of said rollers as aforesaid in said fruit receiving portion causing excess fruit fed thereto to be discarded rearwardly so that no excess fruit is present in the valleys when the sizing of fruit therein takes place as aforesaid.

2,353,942
HIGHWAY CROSSING GATE
James E. Stephenson, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application December 20, 1938, Serial No. 246,859. Divided and this application January 11, 1943, Serial No. 471,991
6 Claims. (Cl. 188—180)

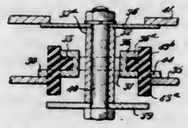
1. In a centrifugal brake, in combination with a shaft provided with a radially projecting flange, a spider secured to said shaft, a first set of braking plates slidably, but non-rotatably, mounted on said shaft between said spider and said flange,

a second set of braking plates each of which is located between two successive plates of the first set, centrifugal weights provided with rollers and so pivoted to the spider that the weights, if thrown out by centrifugal force upon rotation of



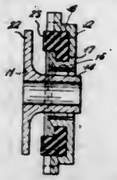
said shaft, cause said rollers to press said plates together to set up frictional resistance between the plates of the first set and the plates of the second set, and means for limiting rotation of the plates of said second set.

2,353,943
VIBRATION DAMPENER
Harold A. Storch, Birmingham, Mich., assignor to Harris Products Company, Cleveland, Ohio, a corporation of Ohio
Application June 15, 1942, Serial No. 447,063
20 Claims. (Cl. 248—358)



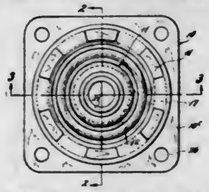
1. A vibration dampener comprising a pair of substantially coaxially disposed members having arm portions extending into intermeshing relation with clearance space therebetween, one of said members being adapted for connection with a body to be supported and the other for connection with a panel or the like, a resilient rubber ring engaging the intermeshing arm portions so as to form a yieldable connection between said members, and resilient bumper means arranged to limit the relative movement between said members.

2,353,944
VIBRATION DAMPENER
Harold A. Storch, Fairview Village, Ohio, assignor to Harris Products Company, Cleveland, Ohio, a corporation of Ohio
Application August 5, 1942, Serial No. 453,620
6 Claims. (Cl. 248—358)



4. A vibration dampener comprising a pair of coaxial members having projecting portions in intermeshing relation with clearance therebetween and flexibly connected by a resilient rubber body, one of said members having stop elements projecting laterally therefrom at substantially right angles to each other, said stop elements being spaced axially and extending into overlapping relation with the other member so as to lie above and below said other member and said rubber body having bumper portions adapted to cooperate with said stop elements for limiting relative movement between said members.

2,353,945
VIBRATION DAMPENER
Harold A. Storch, Fairview Village, Ohio, assignor to Harris Products Company, Cleveland, Ohio, a corporation of Ohio
Application February 8, 1943, Serial No. 475,065
3 Claims. (Cl. 248—358)



1. A device of the character described, comprising a resilient ring having thickened rim portions around its inner and outer peripheries, and a pair of members engaging said thickened rim portions so as to be flexibly connected by said resilient ring, the thickened outer rim portion of said ring having annularly spaced projections extending axially of the ring in opposite directions and the rim-engaging portions of said outer member having corresponding annularly spaced openings through which said projections extend.

2,353,946
PROCESS OF PREPARING SOFT CURD MILK
Arnold B. Storrs, Torrington, Conn., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 14, 1941, Serial No. 402,430
2 Claims. (Cl. 99—60)

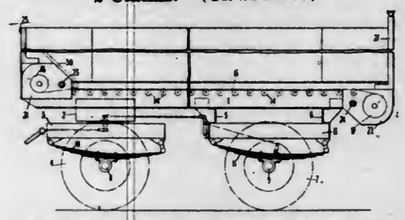
1. The process of preparing a soft curd milk having a curd tension not exceeding about 30 grams, as measured by the Hill Curdometer, which consists in adding to the whole milk a small amount of pancreatic enzyme of the order of about 1 lb. of enzyme to about 5,000 to 40,000 of milk, depending upon the initial curd hardness in the raw milk and the activity of the enzyme, allowing the enzyme to act at a temperature between 32° F. and 70° F. for a period not exceeding 24 hours, then raising the temperature to 105° F. to 160° F. and holding the same at a controlled temperature in said last range for about fifteen minutes to retard the activity of the enzymes, and further heating to a higher temperature to completely inactivate said enzymes before substantial hydrolysis or digestion of the casein has occurred.

2,353,947
PROCESS FOR THE TREATMENT OF RAMIE AND ALLIED FIBERS
Frank A. Svoboda, Cicero, and Allen Skolnik, Chicago, Ill.
No Drawing. Application April 17, 1941, Serial No. 388,986
1 Claim. (Cl. 92—14)

The process of treating ramie and allied fibers which comprises decorticating the fiber bearing

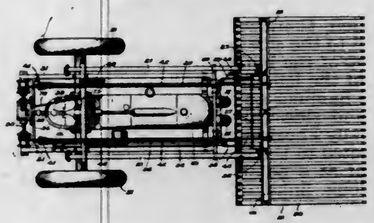
stalks to remove the bark therefrom, boiling for a period of time between 45 and 60 minutes the resulting fibrous material in an aqueous solution containing for every one hundred pounds of fibrous material 20–30 pounds of caustic soda, ¾ pounds of ammonium chloride, ¾ pound ammonium carbonate and 2½ pounds of soap, washing said fiber and treating same in a bath of caustic soda having a concentration of from 20–25% for a period of time between 2 to 10 hours, and thereafter washing and drying said fiber.

2,353,948
MOVING FLOOR VEHICLE
Herbert Wilson Swift, Bolton, England, assignor to Bromilow and Edwards Limited, Bolton, England
Application July 22, 1943, Serial No. 495,743
In Great Britain October 31, 1940
2 Claims. (Cl. 214—83)



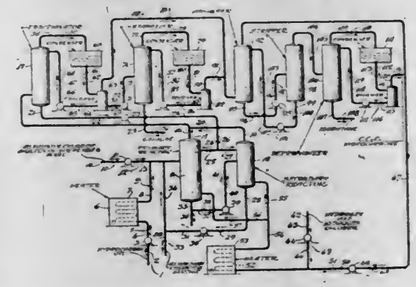
1. A lightweight moving floor vehicle, more especially a trailer or semi-trailer, having a unitary all-metal frame comprising a pair of longitudinally extending side frames and a pair of intermediate longitudinals, three rows of rollers for supporting the band or floor carried by said side frames and intermediate longitudinals, the rollers of the intermediate row being staggered in relation to those of adjacent rows, and cross members bridging the side frames and positioning the intermediate longitudinals to form a chassis or frame for the vehicle, a steerable wheeled carriage on which the front of said chassis pivotally rests, and a separate wheeled carriage on which the rear of said chassis is rigidly mounted.

2,353,949
HAY LOADER
Frank Warren, Condon, Oreg.
Application October 12, 1942, Serial No. 461,757
2 Claims. (Cl. 214—131)



1. In combination with a vehicle having a power take-off, a driven means operatively connected with the power take-off, said driven means comprising a housing receiving the power take-off, a shaft mounted for rotation in the housing, drums fixed to the shaft, and a clutch element mounted for sliding movement on the shaft, said clutch element including a gear portion adapted to coact with the power take-off to effect rotation of the shaft and an internal brake portion adapted to press against a confronting stationary surface to retard the speed of rotation of the shaft, manual means for shifting the clutch member along the shaft in a manner to move either the gear portion into engagement with the power take-off or to disengage the gear therefrom and to move the internal brake portion thereof into pressed frictional engagement with the said stationary surface, a rake element arranged in advance of the vehicle having supporting arm portions pivotally connected at the rear of the vehicle, means connecting the driven means and rake whereby actuation of the driven means will swing the rake upwardly, and a bumper bar disposed in the path of the rake element and slightly in advance of the pivoted ends of the supporting arm portions for preventing the rake from swinging beyond vertical dead center.

2,353,950
TREATMENT OF HYDROCARBON OILS
Herman H. Wenzke, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1940, Serial No. 354,947
3 Claims. (Cl. 196—48)

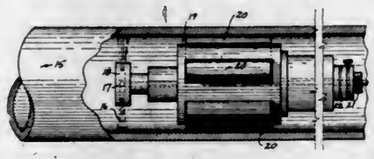


3. A hydrocarbon conversion process which comprises introducing a heated hydrocarbon oil having aluminum chloride suspended therein into a primary reaction zone and therein effecting conversion, simultaneously heating a gaseous stream comprising hydrogen and hydrogen chloride to at least the conversion temperature of said oil, introducing at least a portion of the thus heated stream to said primary reaction zone below the liquid level of the oil and catalyst mixture, supplying resultant liquid conversion products to a secondary reaction zone and therein continuing conversion in the presence of another portion of the heated stream introduced to the secondary reaction zone below the liquid oil level, and supplying at least a portion of the resultant liquid conversion products formed in said secondary reaction zone to said primary reaction zone.

2,353,951
METHOD OF APPLYING SURFACE FINISH TO PIPE
Clyde M. Wood, Youngstown, Ohio, and Charles L. Jones, Wilmington, Del.; said Wood assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Application March 30, 1942, Serial No. 436,868
1 Claim. (Cl. 117—97)

The method of coating and densifying the interior of a tubular metal object which method comprises depositing a suitable suspension of col-

loidal graphite into the interior surface of the said object and thereafter inserting a member containing radially positioned and radially expansible rotatable members, rotating the said member and thereby expanding and forcing the



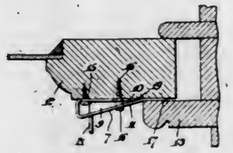
rotatable members into intimate contact with the entire interior surface of the object, said contact being of sufficient driving force to cause the colloidal graphite particles to penetrate the surface of the metal and also compress and densify the metal surface.

2,353,952
SPRING
Felix L. Yerzley, Verona, N. J.
Application January 19, 1942, Serial No. 427,285
10 Claims. (Cl. 248—358)



6. In a spring of the class described, the combination of a pair of coaxial reversely arranged mounting members each provided with a plurality of arms, the arms of said members being alternately arranged in symmetrically and uniformly spaced relation about the axis of the members and each arm having a yoke-like outwardly open recess, said recesses being aligned circumferentially and collectively forming a substantially circular groove, and a readily expansible and deformable elastic ring engaging said recesses and forming a resilient connection between said members.

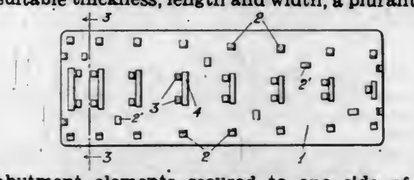
2,353,953
SASH LOCK
Melvern L. Dilks, Llanerch, Pa.
Application February 11, 1943, Serial No. 475,487
2 Claims. (Cl. 292—342)



1. A sash lock for windows, comprising a resilient body bent to form two leaves, one overlying the other, and in slightly convergent planes, one leaf having an end extending beyond the other leaf-end and wedging means slidable longitudinally between said leaves for separating the same, the said leaf-end that extends beyond the other leaf-end being so shaped as to secure normally an extension in a plane co-existent with the plane of the other leaf-end.

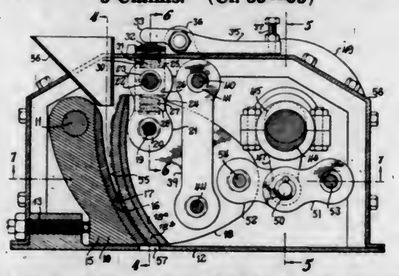
2,353,954
JIG FOR ASSEMBLING COMPONENTS OF SUBSTRUCTURES
David H. Duffy, James W. Wiley, and Milburn M. Ross, Wichita, Kans., assignors to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application June 25, 1942, Serial No. 448,450
2 Claims. (Cl. 144—288)

2. In a jig of the class described, a plate of a suitable thickness, length and width, a plurality of



abutment elements secured to one side of the plate and outwardly extending therefrom, said abutment elements being arranged in two pair of arcuate rows, the pairs being oppositely disposed on the plate so that the concavity of the pairs will confront each other and a plurality of members arranged in pairs, said pairs of members being spaced apart longitudinally of the plate and arranged between the pairs of rows of the abutment elements substantially as shown.

2,353,955
CRUSHING MACHINE
Frederick H. Edwards, Meriden, Conn.
Application November 25, 1942, Serial No. 466,840
3 Claims. (Cl. 83—53)

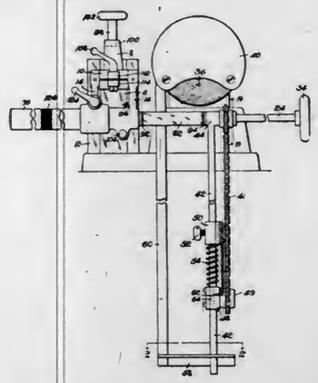


3. A crusher comprising a frame, an anvil mounted therein, a hammer having a face and rearwardly-extending side-walls, said hammer suspended in the frame by substantially-parallel short and long vertically-extending links connected to the frame at substantially the same elevation, the lower ends of the short link connected to the side-walls of the hammer adjacent the top of the hammer and side-walls, the lower ends of the long link connected to the side-walls of the hammer adjacent the bottom of the hammer and side-walls, and means including substantially - horizontally - extending toggle - links connected to the hammer between the side-walls thereof at a point rearwardly of the said short and long links for moving the said hammer toward and away from the said anvil.

2,353,956
GRINDING APPARATUS
Lewis W. Enholm, Wollaston, Mass., assignor to William H. Field, doing business as William H. Field Company, Boston, Mass.
Application April 25, 1942, Serial No. 440,522
3 Claims. (Cl. 51—92)

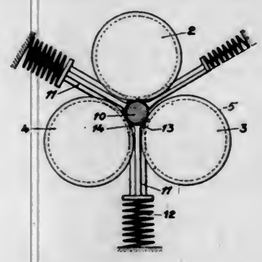
1. Apparatus for sharpening cutters of endless cutter chains, comprising cutter sharpening

means; a sprocket and a guide roll over which to train an endless cutter chain; said sprocket and guide roll being adapted to move relatively to said cutter sharpening means to present a cutter of said chain to said cutter sharpening means; supporting means for said guide roll, said supporting means comprising a member carrying said guide roll and movable toward and from said sprocket; a second member adjustable relatively to said first named member upon



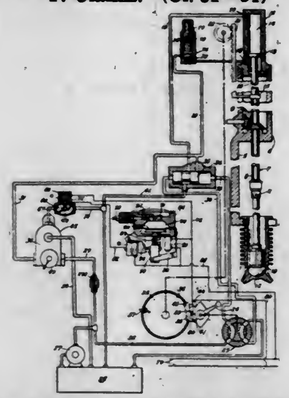
said supporting means; a spring adapted to bear with its opposite ends against said two members respectively; means for securing said second member in adjusted position upon said supporting means; means for moving said sprocket relatively to said cutter sharpening means to sharpen a cutter of a cutter chain upon said sprocket; and means for moving said guide roll relatively to said sharpening means with said sprocket.

2,353,957
DEVICE FOR ROLLING RODS OF VENEER AND THE LIKE
Eric Mauritz Frid, Malung, Sweden
Application November 15, 1941, Serial No. 419,298
In Sweden March 14, 1941
7 Claims. (Cl. 144—268)



1. In a device for rolling sheet material into the form of a tube, three or more forming rollers, means for rotatably mounting said rollers with their surfaces externally tangent to a circle having a diameter substantially equal to the diameter of the tube which it is desired to manufacture, and resiliently mounted means extending between each adjacent pair of rollers for guiding the sheet material from each roller to the next roller.

2,353,958
HONING MACHINE
Charles A. Fulmer, Waukegan, Ill.
Application May 4, 1942, Serial No. 441,581
17 Claims. (Cl. 51—34)



1. In a honing machine the combination of a rotating and a vertically reciprocating tool carrying part, a vertical cylinder disposed above the part in axial alignment therewith, a piston in the cylinder, a connecting rod for the piston and the part, an hydraulic reversing means actuated by the reciprocating part for changing the direction of movement of said part, an upper and a lower duct for the cylinder, an hydraulic line connected to each duct and communicating with the reversing means, pressure supply means interposed in the line for the lower duct, said reversing means acting during upward movement of the part to drain fluid from the upper duct and to permit introduction of fluid direct from the pressure supply means to the lower duct, and during downward movement of the part acting to introduce fluid under pressure to the upper duct from the lower duct and from the pressure supply means, valve means associated with the pressure supply means for rendering the last said means inoperative, actuating means operated by the part and having an operative connection with the valve means, a selective time controlled means associated with the actuating means for breaking the connection between the actuating means and the valve means after the elapse of a predetermined time, and a counterbalance valve in the line to the lower duct between the pressure supply means and said duct for preventing the draining of fluid from the lower end of the cylinder when the valve means renders the pressure supply means inoperative.

2,353,959
METHOD FOR REFINING SULPHUR
Robert C. Hills, Port Sulphur, La., assignor to Freeport Sulphur Company, New York, N. Y., a corporation of Delaware
No Drawing. Application October 18, 1941, Serial No. 415,638
7 Claims. (Cl. 23—229)

1. The method of obtaining sulphur substantially free from impurities from impure sulphur containing less than about .05 percent organic impurities, which comprises intimately mixing a body of said impure sulphur at a temperature of from 250°–320° F. with chlorosulphonic acid and with a filter aid, and separating the filter aid and the resulting reacted impurities from the sulphur.

2,353,960
SEWED CONNECTION
Ernest J. King, New York, N. Y.
Application March 24, 1942, Serial No. 435,975
2 Claims. (Cl. 2—243)



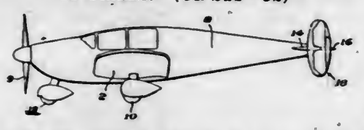
1. A method of sewing so as to prevent fluid transmission through the sewed area which comprises sewing a waterproof-thermoplastic resin member with thermoplastic thread, applying a solvent of said thermoplastic member and thread over the resulting needle-hole so as to saturate the portion of said thread adjacent the needle-hole and allowing the thermoplastic member and thread to fuse and set.

2,353,961
ATTACHMENT OF FILAMENTS TO THEIR SUPPORTS
William John Knochel, East Orange, and Herman Frederick Beyer, Clifton, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 3, 1942, Serial No. 467,692
3 Claims. (Cl. 250—27.5)



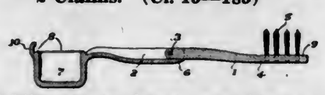
1. A method of fabricating a filament assembly comprising applying a tubular fixture around one support, applying the filament over said fixture and welding the end of the filament to the end of said support, juxtaposing and welding the other end of the filament to the other filament support, and thereafter removing said fixture from between the filament and support.

2,353,962
AIRPLANE
Otto C. Koppen, Newton, Mass., assignor to General Aircraft Corporation, Dover, Del., a corporation of Delaware
Application July 28, 1943, Serial No. 496,425
15 Claims. (Cl. 244—82)



1. In a two-control airplane constructed and arranged to be flown by direct manual operation of ailerons and elevators only, a supporting wing, ailerons on the wing, a fuselage having a nose, body, tail portions, a stabilizer and elevator mounted on the rear end of the fuselage, and laterally spaced vertical rudders each movable about a vertical axis sufficiently rearward of the leading edge of said rudders as to render them aerodynamically unstable, each of said rudders having hingedly attached thereto at the rearward portion thereof a movable tab linked to a fixed portion of the airplane so that in flight when each rudder is displaced by an increased angle of attack and the rear edge thereof departs angularly to one side of a neutral trailing position, the trimming tab thereof is angularly displaced outwardly with respect to said rudder and progressively towards the same side to an extent sufficient to maintain its rudder in equilibrium at the existing angle of attack and to restore its rudder to a neutral trailing position when the angle of attack becomes zero, the length of said tail portion and the aggregate lift of said movable rudders and tabs being such as with the aforesaid related elements of the airplane to provide a stable yawing moment curve.

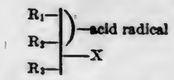
2,353,963
FOLDING TOOTHBRUSH
Morris Landesman, Brookline, Mass.
Application December 10, 1942, Serial No. 468,467
2 Claims. (Cl. 15—185)



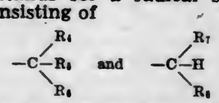
1. A folding tooth brush comprising a first handle member, a second handle member, means pivotally interconnecting one end of each of said handle members, the other end of said first member being flat a brush element supported by said flat end of said first handle member adjacent its extremity, and said second handle member including a compartment adjacent its extremity disposed to receive said brush element when said handle members are folded together, said compartment having a rim extending entirely around it with all portions of said rim lying in the same plane the flat end of said first handle member adjacent said brush element constituting a cover for said compartment and being formed with a groove extending entirely about said brush element, and the rim of said compartment being formed with a rib to establish with said groove a tight joint between said cover and said compartment.

2,353,964
PHOSPHONIUM COMPOUNDS
Wilhelm Lommel and Heinrich Münzel, Leverkusen-Wiesdorf, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 30, 1940, Serial No. 327,050. In Germany April 6, 1939
9 Claims. (Cl. 260—389)

1. As new products the quaternary phosphonium compounds of the following general formula

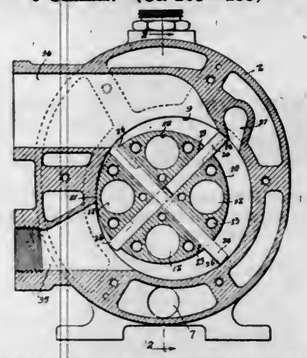


wherein X stands for a radical selected from the group consisting of



R_1–R_7 stands for hydrocarbon radicals and R_8 stands for an aryl radical.

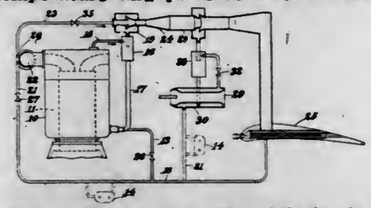
2,353,965
ROTARY PUMP OR COMPRESSOR
Gordon R. Meador, Fresno, Calif., assignor to Meador-Calender Corporation, Fresno, Calif., a corporation of California
Application June 18, 1941, Serial No. 398,585
6 Claims. (Cl. 103—138)



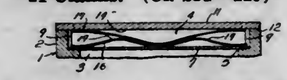
1. A rotary pump or compressor comprising: a housing having a pumping chamber of generally elliptical contour, said housing having an inlet port leading to said pumping chamber and an outlet port leading from said pumping chamber; a rotatable cylindrical rotor within said pumping chamber arranged to contact the wall of said pumping chamber at a predetermined point along a substantially theoretical line extending axially of said pumping chamber, said point of theoretical line contact being disposed between said inlet and said outlet ports; at least one impeller vane carried by said cylindrical rotor and being diametrically slidable with respect to said cylindrical rotor and having ends adapted to contact with the inner wall of said pumping chamber, the dimension of said pumping chamber along a diametrical plane passing through said point of theoretical line contact and the axis of rotation of said cylindrical rotor being approximately equal to the distance between the leading edges of the opposite ends of said vane, and the distance along a diametrical plane of said pumping chamber at right angles to said first-mentioned plane being greater on one side of said first-mentioned plane than upon the other, but in each instance being greater than the radius of a true circle of a diameter corresponding to that of said first dimension, whereby said pumping chamber is enlarged to a greater extent upon one side of said diametrical plane than upon the other and deviates from a true circle by asymmetrical crescent-shaped portions respectively disposed upon opposite sides of said first-mentioned diametrical plane, one of said crescent-shaped portions communicating with said inlet port and the other of said crescent-shaped portions communicating with outlet port.

2,353,966
LIQUID COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Clare Kenzie Newcombe, Lancashire, England, assignor to Heat Pumps Limited, London, England a British company
Application January 21, 1942, Serial No. 427,644
In Great Britain January 24, 1941
9 Claims. (Cl. 123—174)

1. The combination with an internal-combustion engine of a cooling apparatus for that engine comprising a low temperature heat-exchanger in which a refrigerant fluid is circulated and which is so arranged that the fluid will receive heat from the engine installation, at least one heat pump of the injector type arranged to boost the temperature and pressure level of the refrigerant fluid, the motive power of the heat pump being pressure vapour generated from the same refrigerant fluid as is circulated in the low temperature heat-exchanger, and a high temperature heat-exchanger arranged to receive and reject the heat from the heat pump to the atmosphere.

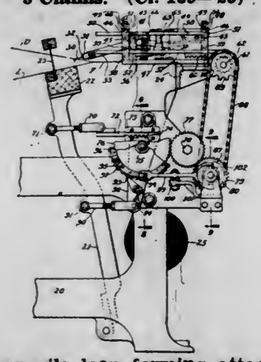


2,353,967
VALVE MECHANISM
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 1, 1942, Serial No. 453,218
11 Claims. (Cl. 251—119)



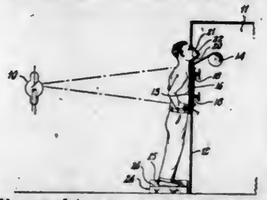
9. In a valve mechanism, means providing a valve seat, a guard, a valve movable toward and from said seat, a spring for urging said valve toward said seat, and an element interposed between said spring and valve and free to move relative to the latter for modifying the action of said spring when said valve has moved away from its seat a predetermined distance so that further movement of said valve away from its seat is opposed by a substantially increased resistance offered by said spring.

2,353,968
LOOM
Emil R. Pedrazzo, West New York, N. J.
Application April 9, 1941, Serial No. 387,599
3 Claims. (Cl. 139—25)



1. A terry pile loop forming attachment for looms comprising a frame, a carriage slidably mounted thereon, a bar carried by and laterally movable relative to said carriage, and means secured to said bar for engaging individual warp threads of the upper threads of the warp shed, and for forming raised loops therein.

2,353,969
X-RAY APPARATUS
Frank T. Powers, Glen Cove, N. Y.
Application April 11, 1941, Serial No. 388,009
5 Claims. (Cl. 250—50)



1. In radiographic apparatus, the combination of an X-ray generator, a vertically disposed cassette and a pedestal below the cassette on which the subject stands, said pedestal comprising a pair of divergent series of parallel steps arranged at different heights.

2,353,970
METHOD OF IMPROVING THE PHYSICAL PROPERTIES OF A SYNTHETIC HYDRATED MAGNESIUM SILICATE DECOLORIZING MATERIAL
Max Y. Seaton, Greenwich, Conn., assignor, by mesne assignments, to Lyle Caldwell, Los Angeles, Calif.
No Drawing. Application July 7, 1941, Serial No. 401,336
10 Claims. (Cl. 252—300)

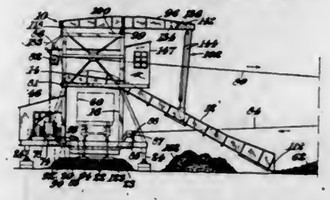
1. The method of treating a synthetic hydrated magnesium silicate decolorizing material to form a decolorizing product having improved decolorizing and filtration characteristics, which comprises: bringing a quantity of preformed synthetic hydrated magnesium silicate decolorizing material into contact with an aqueous solution of an alkali metal silicate to cause fixation of substantially all of such alkali metal silicate on said quantity of material, and drying the resulting solid material comprising said decolorizing material with said alkali metal silicate fixed thereon, to produce a pulverulent product.

2,353,971
PORTABLE GRENADE GUN
Cleve F. Shaffer, San Francisco, Herman J. Fanger, Piedmont, and Henry Gruenhagen, Oakland, Calif.
Application May 25, 1942, Serial No. 444,350
5 Claims. (Cl. 42—1)



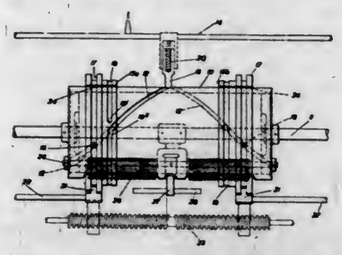
1. A muzzle loading grenade gun comprising a barrel closed at its inner end, a stock frame transversely pivoted at one end to the inner end of the barrel, said stock frame being of opensided construction permitting the barrel to fold on its pivotal connection and swing into the frame, and a shoulder piece on the opposite end of said stock frame including a member substantially closing off the muzzle of the gun when so folded into the stock frame, so as to retain grenades and/or adapters within the barrel.

2,353,972
APPARATUS FOR LOADING WHEELED VEHICLES AND STOCKING-OUT MATERIAL UNLOADED THEREFROM
Herbert Frederick Henry Shields, London, England
Application February 10, 1943, Serial No. 475,422
In Great Britain February 10, 1942
10 Claims. (Cl. 214—110)



1. Apparatus of the character described for use in loading wheeled vehicles with fragmentary material, comprising in combination a main frame arranged to travel along a ground track, an upper rail track that is arranged to lie above the ground track, and has end portions constituting ramps that slope downwards to rails on the ground track, and means of the drag-scraper type for loading vehicles situated on the upper track with fragmentary material, which means comprises a loading ramp that is pivotally mounted on the main frame to rock vertically and horizontally about two axes of pivoting that lie transversely one of the other at a situation offset from the central longitudinal vertical plane of the main frame.

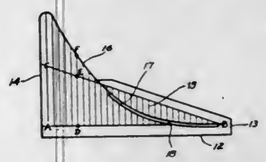
2,353,973
KNITTING MACHINE
Arthur Shortland, Leicester, England, assignor to Mellor Bromley and Co. Limited, Leicester, England
Application March 22, 1943, Serial No. 480,074
In Great Britain December 31, 1941
10 Claims. (Cl. 66—126)



1. Draw mechanism for a knitting machine of the type having a line of needles and at least one element which, in the knitting process, is reciprocated lengthwise of the line of needles by a draw cam partaking of movements about an axis and the amplitude of travel or draw of which

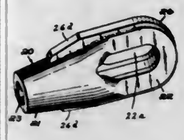
element requires to be varied, which draw mechanism comprises an oscillatory draw cam provided with a cam track, a follower, engaging said track, for movement to and fro thereby which follower is connected to the reciprocating element, and means for modifying said track to vary the amplitude of travel of said element.

2,353,974
SCALE
Walter Norman Stone, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 18, 1943, Serial No. 479,613
7 Claims. (Cl. 33—75)



1. An instrument for determining functional areas for any plane figure about a base line comprising, a form having a base line scribed thereon, a line scribed thereon at an oblique angle thereto, and a curved boundary edge on said form having perpendicular heights from said base line at any point proportional to a power of the distance between said base and oblique lines in a line normal to said base line through said point.

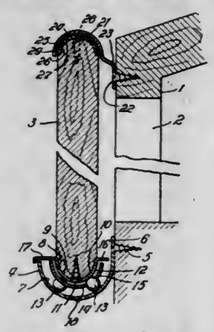
2,353,975
WIRE ROPE SOCKET
George C. Soule, South Portland, Maine
Application August 17, 1942, Serial No. 455,061
4 Claims. (Cl. 24—126)



1. A wire rope socket, comprising a tubular portion having an internally tapered opening therethrough for receiving the spelter cone at one end of a wire rope, said tubular portion having an anchorage-engaging means extending from opposite sides of the tubular portion at the end thereof having the larger internal diameter, said anchorage-engaging means having adjacent its junction with the tubular portion inwardly extending projections for maintaining the spelter cone in the tubular portion.

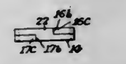
2,353,976
BEARING FOR SLIDING DOORS OR THE LIKE
Norman D. Thompson, Milwaukee, Wis.
Application May 28, 1942, Serial No. 444,782
1 Claim. (Cl. 16—96)

In a sliding door bearing, the combination of a first bearing track of transversely arcuate cross section providing a concave bearing channel and provided at one side thereof with an extension flange adapted to be secured to a wall structure, a second bearing track of transversely arcuate cross section providing a convex bearing track having a lesser radius than that of said channel and projecting into the same and adapted to be secured on a door with the concave surface thereof seated on the correspondingly convex surface of an edge of the door, a plurality of bearing balls interposed between said tracks within said channel, a transversely arcuate spacing member extending lineally of and between said tracks in corresponding arcuate relation therewith and provided with lineally and transversely spaced apertures through which said balls respectively project for maintaining the same in spaced rela-



tion lineally and transversely of said spacing member, said apertures being of lesser diameter than that of said balls and engaging the same in opposition to said first track for retaining said balls, said second track being provided with two lineally extending angularly spaced radial flanges at the opposite edge portions thereof and slidably engaging respectively the opposite lineal edges of said spacing member to correspondingly position said spacing member and with it said balls, and stop formations at opposite ends of said first track and oppositely engageable by said spacing member to limit movement thereof lineally of said first track.

2,353,977
PACKING DEVICE FOR FLUID PRESSURE APPARATUS
Peter Warborn Thornhill, Leamington Spa, England, assignor to Automotive Products Company Limited and The Ribbesford Company Limited, both of Leamington Spa, England
Application May 24, 1943, Serial No. 488,261
In Great Britain July 3, 1942
14 Claims. (Cl. 288—18)

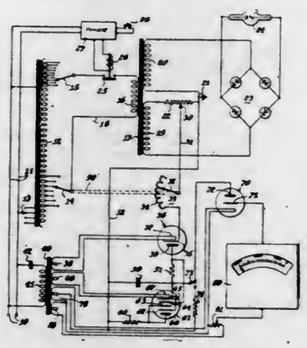


1. An annular packing device comprising in combination with a backing ring of soft rubber or the like, a facing element separate from the backing ring, which facing element is composed of fibrous material in terminate strip form, wound to produce a plurality of turns which are relatively displaced in the axial direction so as to lie side by side in circumferential edge contact with one another, each end of the strip-like fibrous material being arranged to meet substantially another part of said material to form a butt joint, which latter is displaced around the circumference of the facing element with respect to the other butt joint or joints in the fibrous material.

2,353,978
POLISHING AND FOGGING INHIBITING PRODUCT
Harold C. Weber, Milton, Mass.
No Drawing. Application June 25, 1938, Serial No. 215,928
4 Claims. (Cl. 15—209)

1. An improved polishing and fog-inhibiting article, which is substantially dry to the touch, consisting of a non-linting textile material impregnated with a neutralized sulfated aliphatic hydrocarbon derivative containing from twelve to eighteen carbon atoms, said impregnating composition being substantially free from compounds other than the aforesaid hydrocarbon derivatives.

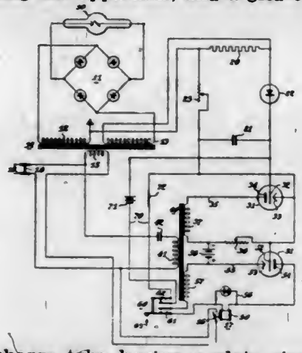
2,353,979
MEASURING SYSTEM
Louis L. Weisglass, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 4, 1942, Serial No. 449,815
15 Claims. (Cl. 250—95)



1. In combination with an X-ray apparatus having an X-ray tube and electric circuit means connected with said tube for supplying energy thereto, a measuring system comprising energy accumulating means connected to said circuit means for accumulating energy proportional to the energy supplied to said tube, simultaneously with energization of the latter, discharge means connected with said energy accumulating means for reducing the accumulated energy substantially in accordance with the heat dissipation in said tube, and means connected to said energy accumulating means for indicating the energy accumulated therein at any moment as a measure of the load condition of said tube.

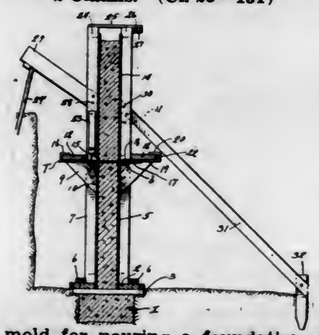
2,353,980
MILLIAMPERE SECONDS TIMER
Louis L. Weisglass, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 4, 1942, Serial No. 449,816
5 Claims. (Cl. 250—95)

1. An exposure system for X-ray apparatus, comprising a voltage source controlled by the apparatus for producing an output voltage proportional to the exposure current of the apparatus, a charging circuit of given time constant connected to said voltage source and containing a low leakage capacitor for accumulating in the latter a charge of increasing voltage supplied from said source during exposure periods, an electrometric tube circuit connected with said capacitor for measuring said voltage, a relay for controlling the apparatus, and a grid-controlled



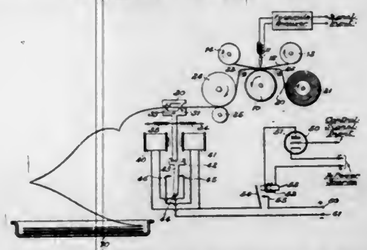
gas discharge tube having a plate circuit connected with said relay and a grid circuit connected with said electrometric tube circuit for controlling said relay and to cause it to terminate the exposure when said capacitor voltage reaches a given magnitude.

2,353,981
FOUNDATION WALL MOLD
Charles E. Wire, Washington, D. C.
Application September 22, 1942, Serial No. 459,296
2 Claims. (Cl. 25—131)



1. A mold for pouring a foundation wall for a building comprising, in combination, joists positioned lengthwise along the ground surface, means for maintaining means in spaced relation, said joists inwardly of the inner longitudinal margins of the joists providing longitudinal shoulders, studs freely placed in a vertical position upon the joists flush with the inner longitudinal margins of the joists, with the lower extremities of the studs abutting said shoulders, brackets comprising lengths of construction material secured to certain of the studs and extending outwardly when the studs are applied, each bracket having a horizontal top end additional joists supported upon said top ends of the brackets and bearing against a plurality of studs to further hold the studs in effective position, said additional joists being disposed outwardly of the studs to serve as footways, tie members engaged with the last joists at opposite sides for holding the last joists in effective position, and sheetings contacting the inner opposed faces of the studs and between which the wall material is to be poured.

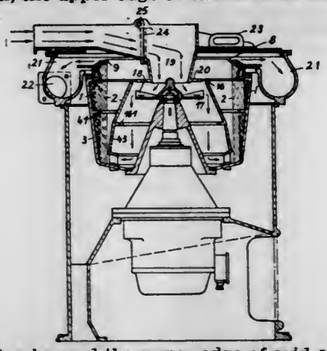
2,353,982
MATERIAL CREASING AND INDENTING APPARATUS
Charles J. Young, Ardmore, Pa., and Myer Solomon, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application September 23, 1941, Serial No. 411,990
5 Claims. (Cl. 178—11)



1. Facsimile apparatus comprising a recording drum and means for passing an elongated recording strip relative to said drum and moving said strip so that the strip and drum have at least tangential peripheral contact, means for marking said recording strip at the point of contact with said drum under the control of received signalling impulses, a recording strip folding means for folding said recording strip alternately in opposite directions of fold, said folding means comprising a pair of die members each having a male and a female section alternately positioned relative to each other, electro-magnetic means for moving at least one of said die members relative to the other, means for passing the recording strip between the die members so that the longitudinal distance on the recording strip between the point of tangential contact with the drum and the die members is equal to the spacing between folds of opposite direction in the recording strip so that when the die members are moved relative to each other the said strip material is creased, and means responsive to received signalling impulses for magnetically causing the die members at the time of receipt of signals to be moved relative to each other to engage each other with the recording strip interposed so as to determine the fold.

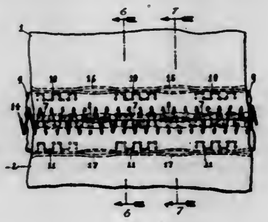
2,353,983
PURIFICATION OF PULP
Hellmuth Banning, Duren, Rhineland, Germany; vested in the Alien Property Custodian
Application March 7, 1938, Serial No. 194,265
In Great Britain March 10, 1937
3 Claims. (Cl. 233—46)

1. A centrifugal separator for the purification of paper-, cellulose- or wood-pulp from impurities, comprising at least one drum with a bottom, an annular flange on said drum above said bottom, said flange extending interiorly of the drum for the formation of a deposit of fibres holding heavy impurities in the space below said flange, an annular body arranged on said drum above said flange, said annular body having a wall the lower portion thereof extending in a substantially vertical direction and the upper portion thereof extending in an upwardly and inwardly inclined direction, the upper edge of said annular body forming an overflow edge and being nearer to the axis of the drum than the innermost edge of said annular flange, and an annular member disposed inside said annular body, the outer surface of said annular member being spaced from the inner surface of the wall of said annular body to form a throttling passage for the discharge of the entire flow of the purified material, the upper edge of said annular member



extending beyond the upper edge of said annular body, and the inner surface of said annular member forming skimming means for the separation of the light impurities.

2,353,984
AIR-PERVIOUS CLOTHING
Anthony Barone, New York, N. Y.
Application February 15, 1943, Serial No. 475,874
1 Claim. (Cl. 2—87)

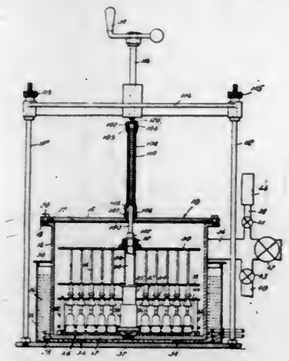


A seam for ventilating a garment between adjoining garment sections; the garment sections being joined together by an interrupted seam, the interrupted parts forming openings through the garment, a strip member positioned over the seam and the interrupted parts, the strip member having each of its edges secured to the respective garment section by an interrupted seam, means for maintaining a spaced relation between the garment sections and said strip, said means being substantially coextensive with the first mentioned interrupted seam and positioned between the garment section and strip whereby the space thus formed permits circulation of air through the interruptions between garment sections, and those securing the edges of the strip.

2,353,985
PRESERVATION OF BIOLOGICALLY ACTIVE SUBSTANCES
Courtland H. Barr, Glenolden, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application November 7, 1938, Serial No. 239,417
4 Claims. (Cl. 226—82)

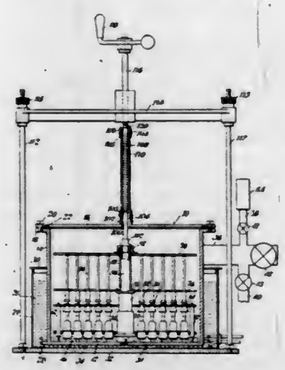
1. Apparatus for the production of desiccated biologically active and other substances sealed in evacuated containers with a perforable stopper

comprising a chamber with a removable wall section adapted to be sealed with a vacuum tight seal, a conduit leading from said chamber, means within said chamber for supporting a plurality of containers vertically at a uniform level, aligning means above said supporting means to keep



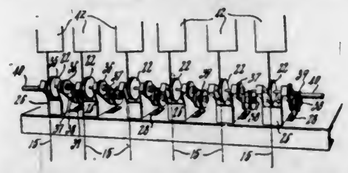
said containers in a vertical position, means to support a perforable stopper above each said container and in alignment therewith, and means, including a plurality of plungers movable in guides for forcing said stoppers into the corresponding containers and into tight engagement therewith.

2,353,986
PRESERVATION
Courtland H. Barr, Glenolden, Pa., assignor to Sharp & Dohme Incorporated, Philadelphia, Pa., a corporation of Maryland
Original application November 7, 1938, Serial No. 239,417. Divided and this application August 3, 1943, Serial No. 497,251
5 Claims. (Cl. 34—5)



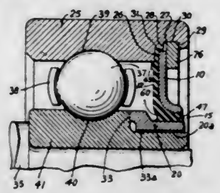
1. The method of drying a product containing water comprising freezing said product, subjecting said frozen product to a vacuum effective to sublime the ice without permitting it to pass through an intermediate liquid phase and for a period sufficient to remove most of the water while maintaining the temperature of said frozen product below its freezing temperature, and thereafter raising the temperature of said frozen product while the residual water is being removed.

2,353,987
LIQUID APPLICATOR
Frederick S. Bartlett, Bristol, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 6, 1941, Serial No. 396,790
1 Claim. (Cl. 91—50)



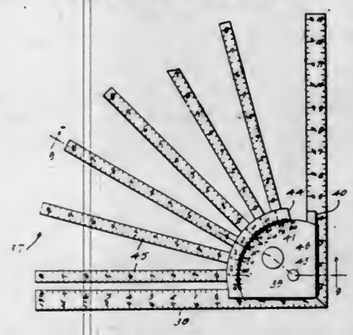
Apparatus for applying an aqueous dispersion of rubber or rubber-like material to a moving strand to coat the strand without subjecting the dispersion to an appreciable amount of friction, comprising in combination a rotatable applicator having a grooved annular periphery for advancing a stream of said dispersion to an application station, a transfer disc for supplying the aqueous dispersion to the applicator groove without the disc contacting the applicator, means for rotating the applicator to carry said stream downwardly to the application station and means for turning said disc, means for feeding a substantially continuous length of said strand upwardly tangentially to said groove through a portion of said stream, to thereby create in said groove a self-renewing puddle of said dispersion that is supported in a suspended condition by the upward travel of the strand.

2,353,988
SEAL FOR ANTIFRICTION BEARINGS
Dwight E. Batesole, Glenbrook, and George H. Kendall, Noroton Heights, Conn., assignors to Norma-Hoffmann Bearings Corporation, Stamford, Conn., a corporation of New York
Application April 20, 1942, Serial No. 440,042
4 Claims. (Cl. 286—11)



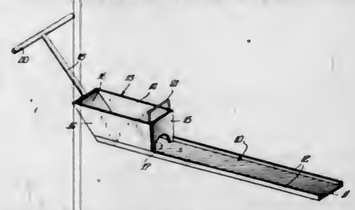
1. In a fluid sealing device for antifriction bearings having relatively rotating members, one of said members having a holding groove and the other a sealing surface, the groove and sealing surface being within the lateral sides of the rotating members, and the sealing surface being in a plane at right angles to the axis of rotation, the combination of three members bonded to each other, the first member being rigidly supported by engagement with said holding groove and extending from that rotating member towards the other rotating member, the second member being axially movable and having a sealing surface in a plane at right angles to the axis of rotation and abutting the sealing surface of said other rotating member and radially spaced from the proximate end of the first member, and a third member radially disposed between the first and second members closing the space therebetween and of resilient rubber-like material of a length in contact with the second member greater than the radial space between the first and second members, to act in shear stress throughout first to resist movement of the second member in directions normal to the thrust of the second member in order to maintain contact of the sealing surfaces in substantially their original radial position with respect to each other and to maintain the fluid pressure surface area of the third member substantially constant, and secondly to absorb the axial vibrations of the second member to maintain its sealing surface in contact with the other sealing surface.

2,353,989
GEOMETRICAL INSTRUMENT
Joseph H. D. Beaucage, Pittsfield, Mass.
Application December 11, 1941, Serial No. 422,568
3 Claims. (Cl. 33—93)



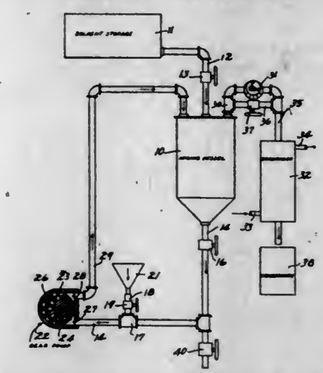
1. A geometrical instrument comprising a segmental member having a curved edge extending more than 90 degrees and straight edge portions secured to the arms of a carpenter's square, a plate disposed below and pivoted to said segmental member to move in the angle of such a square, said plate having a curved portion concentric with said curved edge to coact therewith in protractor relation, and blade means extending from said portion.

2,353,990
TAMPING DEVICE
Tom Arthur Biair, Amarillo, Tex.
Application October 13, 1943, Serial No. 506,121
8 Claims. (Cl. 104—13)



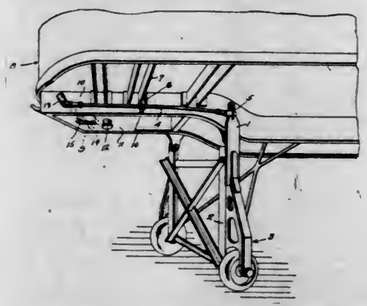
1. A device of the character described comprising an elongated flat bottomed tamping member provided with a channel-way on its upper face whereby the ballast is directed to the outer end of the member; and a ballast holding receptacle arranged on said member and having means adapted to deliver portions of the ballast material onto the member and permit the material to travel along the member; the device being provided with a rearwardly disposed handle.

2,353,991
PROCESS FOR FORMING PLASTIC SOLUTIONS AND INCORPORATING SOLID FILLING MATERIAL THEREIN
Clarence E. Boutwell, Birmingham, Ala.
Application September 2, 1941, Serial No. 409,218
5 Claims. (Cl. 106—193)



1. A process of incorporating solid filler material in plastics which comprises forming a solution of the plastic in a volatile solvent, forcibly circulating the solution in a confined restricted path, introducing solid filler material and grinding it into the solution while circulating in said path, maintaining a sub-atmospheric pressure in the path at the point of introduction of the solid material, and evaporating the solvent.

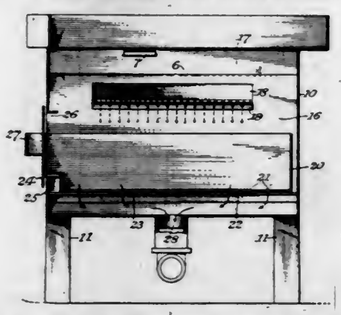
2,353,992
SAFETY LOCK FOR SEMITRAILERS
Donald Earl Bramble, Chicago, Ill.
Application April 2, 1943, Serial No. 481,619
3 Claims. (Cl. 280—33.1)



1. An automatic safety lock for semi-trailers of the type having a retractible landing gear, a fifth wheel plate and a depending king pin engageable with the fifth wheel of a tractor, comprising a pair of brackets mounted on the fifth wheel plate, said fifth wheel plate having a longitudinal slot therein between the brackets and forwardly of the king pin, a transverse shaft journaled in the brackets and in the frame structure of the semi-trailer, a transverse bar fixed on the fifth wheel plate at the forward end of the slot, a dog fixed on the shaft between the brackets and operable, for forward movement, in the slot for positioning in front of the fifth wheel of the tractor for engagement therewith for preventing separation of said tractor from the semi-

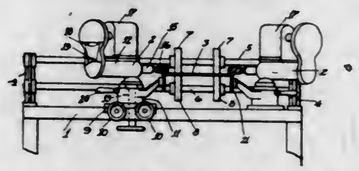
trailer, said dog, when in operative position, being engageable with the bar to provide a reinforcing stop for the dog, and means operatively connecting the shaft to the landing gear for forwardly swinging the dog to operative position when said landing gear is moved to inoperative position.

2,353,993
WASTE AND GREASE TRAP
Mario Cavicchioli, New York, N. Y.
Application April 26, 1943, Serial No. 484,594
2 Claims. (Cl. 4—187)



1. In combination with a receptacle, a grease and refuse trap having inlet means, a housing including spaced sidewalls, a rear wall, a bottom having a drain outlet, a front wall having a cleanout opening the lower edge of which terminates in a flange extending horizontally inwardly, a removable drawer-trap slidably mounted in said housing, said drawer-trap including spaced side walls, a front wall larger than said cleanout opening to overlie the outside edges of said cleanout opening when said drawer-trap is in a closed position, a rear wall and a perforated bottom having a crimp rising perpendicularly from said bottom and extending horizontally to the said front wall, the horizontal portion of said crimp resting upon said flange when said drawer-trap is in a closed position, the vertical portion of said crimp engaging the longitudinal edge of said flange and co-acting with the front wall which engages the outside edges of said cleanout opening to lock said drawer-trap in place.

2,353,994
MACHINE FOR TREATING PAPER
Percival W. Chapman, Norwich, and Oscar A. Jouret, Moosup, Conn., assignors to The Lester & Wasley Co., Inc., Norwich, Conn., a corporation of Connecticut
Application July 24, 1940, Serial No. 347,134
1 Claim. (Cl. 92—68)



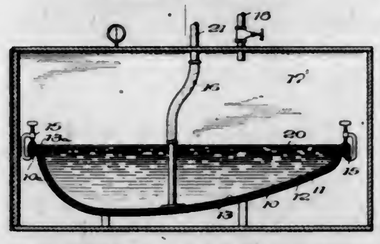
A machine for deckling or skiving the edge of a continuous web of paper comprising in combination means for supporting and longitudinally moving the web of paper by frictional engagement of the web between the edges thereof, a milling cutter rotatable about an axis parallel to, but spaced from, said web, said cutter being operable upon one side of said web along the edge thereof, a web support providing a flat surface engageable with the side of the web opposite to said cutter for holding the advancing web against said cutter, with the flat surface of said support extending beyond the ends of said cutter, as measured in the direction of web movement, said support being turnable bodily in either direction about an axis extending at right angles to the edge of the web and lying in a plane parallel to said web, but offset therefrom, and means for adjusting said support about its axis and maintaining it in the selected position, whereby the angular relationship between the plane of the flat surface of said support and the cutter axis is established to produce deckling or skiving of the edge of the web of paper.

2,353,995
MOLDED ARTICLE AND METHOD OF MAKING THE SAME
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application June 4, 1940, Serial No. 338,707
4 Claims. (Cl. 41—10)



1. An article of manufacture comprising a shaped body of crystal clear molded synthetic resin having embedded therein pieces of solids of relatively large size and pieces of solids of a smaller size and in sufficient quantity to render said article substantially nontransparent, the proportionate quantity and location of the pieces of each size within the body being such that the larger pieces appear to be embedded in a matrix material formed of the smaller pieces.

2,353,996
METHOD OF MOLDING
Boris A. Cooke and Leonard W. Gane, Auburn, N. Y., assignors to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application January 21, 1943, Serial No. 473,128
4 Claims. (Cl. 18—56)

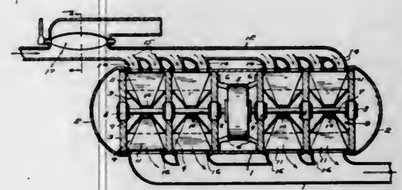


1. In the method of molding a composition of a thermosetting binder and vegetable fiber filler wherein said composition is confined between a rigid mold member and a rubber member and said mold assembly is directly exposed to heat and fluid pressure in a pressure chamber, the step of maintaining at least a portion of the surface of said rubber member submerged in a liquid of relatively low heat conductivity while said mold assembly is exposed to said heat and fluid pressure in said chamber.

2,353,997
MANUFACTURE OF THIOUREA
Robert H. Cooper, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 22, 1941, Serial No. 411,883
2 Claims. (Cl. 260—552)

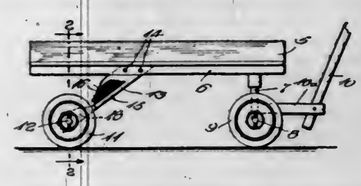
1. In the process of making thiourea by reacting calcium cyanamide with hydrogen sulfide the steps of initiating the reaction by adding calcium cyanamide to hydrogen sulfide in an amount substantially greater than the stoichiometric equivalent of the calcium cyanamide added to the reaction zone, maintaining throughout the reaction and any subsequent additions of the reactants, the hydrogen sulfide in stoichiometric excess of the total calcium cyanamide present in the reaction zone at any time and finally converting nearly all of the hydrogen sulfide to thiourea by adding further calcium cyanamide.

2,353,998
MUFFLER
Daniel Cortez, Washington, and Charles Paternoster, Duquesne, Pa.
Application November 7, 1942, Serial No. 464,870
3 Claims. (Cl. 181—64)



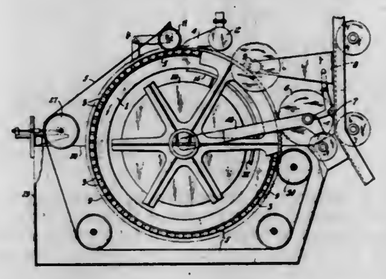
1. A muffler comprising a cylinder, transverse partitions dividing the cylinder into a series of chambers, intake and exhaust manifolds communicating with all but one of the chambers, an electric motor operable in said one of the chambers, and rotors operable in the remaining chambers and operatively connected to said motor for actuation thereby.

2,353,999
WOODEN WAGON AND SPRING THEREFOR
Kermit Astor Counts, Winchester, Tenn.
Application August 24, 1943, Serial No. 499,837
3 Claims. (Cl. 267—41)



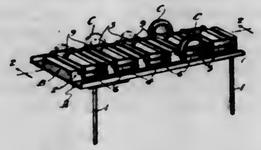
1. A wooden wagon comprising a running gear and a body, yieldable supports for the body including wooden standards each having one end connected to the body and the other end connected to an axle of the running gear, each of said standards having integrally formed superimposed spring leaves separated at their ends and successively coacting with one another as the load is increased.

2,354,000
PROCESS AND APPARATUS FOR MOLDING SOAP
Robert Craig, Heswall, and Laurence Seymour Harber, Peterborough, England; said Harber assignor to Baker Perkins Limited, Peterborough, England, and said Craig assignor to Lever Brothers & Unilever Limited, Port Sunlight, England, a company of Great Britain
Application January 25, 1941, Serial No. 375,986
In Great Britain January 26, 1940
16 Claims. (Cl. 25—9)



6. Apparatus for molding molten soap into billets and the like comprising a mold, means to feed molten soap into said mold, means to cover said mold, means to subject the molten soap confined in the mold to a continuously exerted resilient pressure during cooling, means to cool the soap while thus subjected to pressure to form at least a solidified outer shell, and means to remove the billet of soap from the mold for further cooling.

2,354,001
COIN HOLDER FOR MAKING CHANGE
Paul G. Crampton, Arlington, N. J.
Application December 12, 1942, Serial No. 468,779
2 Claims. (Cl. 133—11)



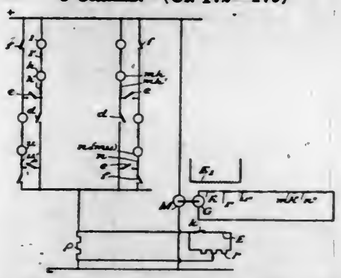
1. A coin holder comprising a block, one end of which serves as one end wall of a coin holding pocket, a second wall movable toward and from said end of said block, and means yieldingly actuating said second wall toward said end of said block so that coins can be clamped and held between said block and said second wall, said walls being of a height less than the diameter of said coins so that the coins in said pocket will project above the top edges of said walls, said block having a surface approximately perpendicular to the plane of the first named wall and said second wall extending beyond said surface so that a coin can be slid along said surface into contact with said second wall or another coin in said pocket, and thereafter said second wall can be pushed by said coin away from the first-mentioned wall to permit dropping of said coin into said pocket.

2,354,002

METHOD OF TRANSITION BETWEEN COUPLINGS OF DIRECT-CURRENT MOTORS

Paul Marie Jacques Séverin de Giacomoni, Paris, France; vested in the Alien Property Custodian

Application June 9, 1942, Serial No. 446,374
In France March 3, 1941
5 Claims. (Cl. 172—179)



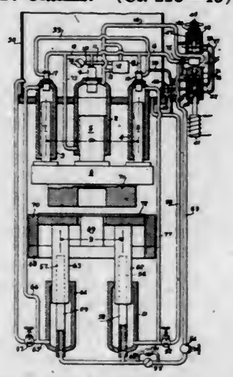
5. A method of transition between two forms of connections for a group of direct current motors comprising respectively a connection of relatively low terminal voltage for said motors and a connection of relatively high terminal voltage for said motors, said motors all having at least a part of their field windings connected in series with one another in a field circuit traversed by an exciting current proportional to the total of the armature currents of all of said motors, said method comprising the steps of first reducing the current in said field circuit substantially below its normal value proportional to said total armature current for said lower voltage connection while maintaining said motors in said lower voltage connection, then shifting said motors to said higher voltage connection thereby increasing the current in said field circuit to a value substantially above said normal value, and thereafter again reducing the current in said field circuit while maintaining said motors in said higher voltage connection.

2,354,003

HYDRAULIC PRESS

Walter Ernst, Mount Gilead, Ohio, and Don C. Youngblood, Park Ridge, Ill., assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware

Application July 15, 1942, Serial No. 451,066
10 Claims. (Cl. 113—45)



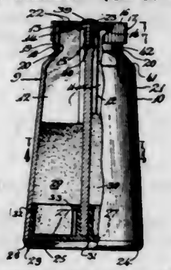
1. In a press having a platen and fluid operable cushion means cooperating with said platen to cushion the pressing action thereof, hydraulic motor means operatively connected with said platen for advancing the same including main and auxiliary cylinder-piston-assemblies, and means connected with said cushion means for conveying pressure fluid expelled by said cushion means to the auxiliary cylinder-piston-assembly of said motor means for aiding the same in advancing said platen.

2,354,004

CONDIMENT HOLDER

Jacob Fess, Chicago, Ill.

Application December 8, 1941, Serial No. 422,027
3 Claims. (Cl. 65—45)



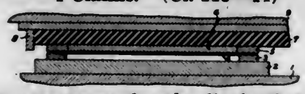
1. A device of the character described comprising, body means subdivided into a multiplicity of compartments, cap means provided with dispensing means rotatably mounted on the top of said body means, resilient and removable bottom means secured to the said body means, the said bottom means comprising, a body portion, and a bottom portion subdivided into a number of walled compartments each adapted to fit resiliently and removably a compartment in the said body means.

2,354,005

DEVICE FOR METAL DRAWING

Paul E. Flowers, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware

Application October 7, 1941, Serial No. 413,996
4 Claims. (Cl. 113—44)



1. In a press, a female die having a cavity and arranged to support a metal sheet on its upper surface, a clamping member overlying the upper surface of said die and adapted to clamp the metal sheet against the surface of said die, a substantially rigid male die member fitting within the clamping member and of such size and shape as to substantially fill the space within the female die, and resilient means overlying the clamping member and male die and adapted simultaneously to exert clamping pressure on the clamping member and shaping pressure on the male die.

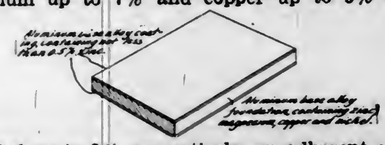
2,354,006

ALUMINIUM BASE ALLOY WITH PROTECTIVE COATING

Gaston Gauthier, Chambery, Savoie, France; vested in the Alien Property Custodian

Application February 1, 1941, Serial No. 377,049
In France January 26, 1940
1 Claim. (Cl. 29—181)

An aluminium base alloy, comprising a foundation member of the type that has a propensity to undergo cracking intercrystalline corrosion, containing a major significant quantity of zinc up to 15%, minor significant quantities of magnesium up to 7% and copper up to 5% and



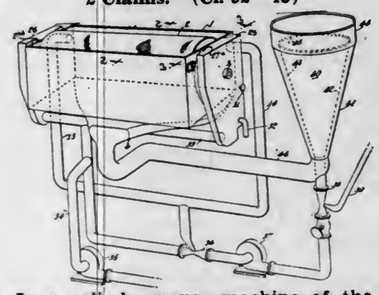
nickel up to 3%, respectively, an adherent coating thereon comprising an aluminium base alloy containing a minor quantity of zinc in an amount of the order of 0.5–3.0% but not less than 0.5%.

2,354,007

PAPER MACHINE FLOW MIXER

Philip H. Goldsmith, Wilmington, Del.

Original application September 27, 1938, Serial No. 231,854. Divided and this application May 9, 1941, Serial No. 392,717
2 Claims. (Cl. 92—43)



1. In a cylinder paper machine of the type wherein a portion of the paper stock supplied to the forming surface of said machine is continuously recirculated and wherein said recirculated stock is diluted with white water and mixed with fresh stock coming to said machine, apparatus for mixing said diluted stock and said fresh stock comprising, in combination, a conduit for said diluted stock having a portion of gradually diminished cross-sectional area to momentarily increase the rate of flow of said diluted stock therethrough, and a second conduit for said fresh stock connected to said first conduit approximately at the point of minimum cross-sectional area of said first conduit, said second conduit having a gradually diminished cross-sectional area at the point of junction with said first conduit to increase the rate of flow of said fresh stock at said point of junction, whereby said fresh stock and diluted stock are intimately mixed to form a homogeneous stock supply for said machine.

2,354,008

BEVERAGE BREWING APPARATUS

Milton K. Grey, Chicago, Ill., assignor to Hill-Shaw Company, Chicago, Ill., a corporation of Illinois

Application June 12, 1942, Serial No. 446,687
1 Claim. (Cl. 210—162)

A filter comprising a frame having an annular contractile ring-shaped base, a vertical standard positioned co-axially of the base and provided with a radially extending integral portion rigidly securing the standard to the base and a conical filter cloth open at the base thereof enclosing the frame with the apex of the cloth resting on and supported by the upper end of the standard and the open lower edge provided with a draw string beneath the base retaining the cloth taughtly about the frame whereby the filter is self-supporting in a vessel having an annular concave filter seat for receiving the base in contracted condition.

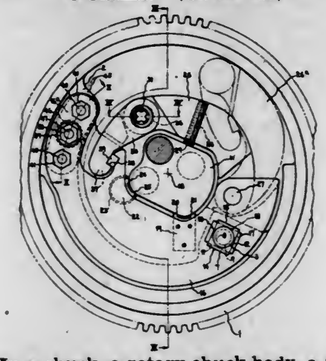


2,354,009

CRANKSHAFT CHUCK

William F. Groene and Harold J. Siekmann, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application November 14, 1939, Serial No. 304,382
9 Claims. (Cl. 82—40)



1. In a chuck, a rotary chuck body, a work engaging member floatingly mounted on said chuck body; means on said member for engaging a prelocated work piece in said chuck, a clamp bar pivotally mounted on said member and adapted to be swung over said work piece, work engaging means on said clamp to contact said work piece, a latch pivotally mounted on the outer end of said clamp bar, having means engaging a keeper fixed in said work engaging member, eccentric clamping means inter-connecting said clamp bar and said latch whereby operation of said eccentric means causes said clamp bar to engage its abutment with said work piece to securely bind said work piece to said work engaging member, and means for locking said work engaging member to said chuck body when said work engaging member is bound on said work piece.

2,354,010

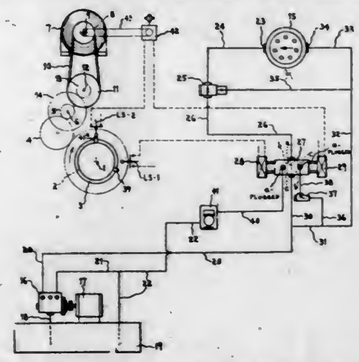
SPINDLE CONTROL MECHANISM

William F. Groene and Harold J. Siekmann, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application October 27, 1941, Serial No. 416,682
9 Claims. (Cl. 82—28)

1. In a machine tool, a work spindle driving motor, a hydraulic braking motor connected to and driven by said spindle driving motor, a work spindle driven from said motor, a fluid pressure pump, means for connecting pressure from said pump at all times to the input side of said hydraulic braking motor, a discharge connection from said hydraulic braking motor to a control

valve, a decelerating relief valve interconnected in the line between said output of said hydraulic braking motor and said control valve and means whereby the pressure discharge from said decelerating relief valve is connected to the input side of said hydraulic braking motor, a flow restricting valve connected to said control valve and discharging into a fluid reservoir associated with said fluid pressure pump, means in said control valve for normally positioning said valve in a position whereby discharge from the output of said hydraulic braking motor is normally transmitted to the input side of said braking motor freely through said decelerating relief valve, while fluid pressure is maintained in a circuit of free circulation from said fluid pressure pump, means associated with said work spindle effected by its rotation for operating said control valve immediately after power is disconnected from said spindle driving motor for connecting discharge from said exhaust side of said hydraulic braking motor to the input side of said flow restricting valve thereby causing fluid initially to be partially transmitted to said flow restricting valve while the major portion of said discharge from said hydraulic braking motor passes under pressure through said decelerating relief valve into the input side of said hydraulic braking motor, said flow restricting



valve functioning to continue slow rotation of said hydraulic driving motor at a predetermined speed under the influence of pressure from said fluid pressure pump, and a centrifugal limit switch operable by a predetermined rate of rotation of said work spindle for rendering a second switch, operated by the position of rotation of said work spindle, effective for moving said control valve to a position, when discharge from said exhaust side of said hydraulic braking motor is of an amount capable of being carried by said flow restricting valve, whereby said control valve is effective to positively shut off discharge of fluid from the output of said hydraulic braking motor by connecting said discharge to the output side of a check valve and in connecting fluid pressure from said hydraulic pump to the input side of said flow restricting valve while at the same time maintaining this pressure, on the input side of said hydraulic braking motor, said check check valve being interconnected between said control valve and said pressure line from said hydraulic pump to the input side of said hydraulic braking motor whereby fluid pressure from said hydraulic pump may be automatically applied simultaneously to both said input and output sides of said hydraulic braking motor when brought to rest by operation of said control valve to its last mentioned position.

2,354,011

METHOD OF ADHERING RUBBER TO METAL AND PRODUCT THEREOF

Malcolm E. Gross, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application January 6, 1942, Serial No. 425,764
9 Claims. (Cl. 154—2)

1. The method of making a composite rubber-metal structure comprising rubber and metal in adhering relation which comprises interposing a salt between a vulcanizable rubber composition and the metal and vulcanizing the assembly under pressure, said salt being made by reacting an acid having a dissociation constant not greater than about 9.5×10^{-4} with an organo-metallic salt of a heavy metal and an organic acid having a dissociation constant not greater than about 2.0×10^{-5}, said reaction being produced in a solvent medium in which the acid and the reacting salt are soluble but in which the salt that is produced is insoluble.

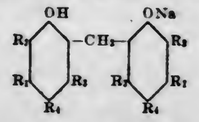
2,354,012

DIHYDROXY HALOGENATED DIPHENYL METHANES AND PROCESS FOR MAKING SAME

William S. Gump, Montclair, N. J., assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Original application July 26, 1941, Serial No. 404,155. Divided and this application November 20, 1943, Serial No. 511,113
4 Claims. (Cl. 260—619)

1. Compounds selected from the class consisting of those having the general formula:



wherein R_1 is a member selected from the group consisting of hydrogen, chlorine and bromine; R_2 is a member selected from the group consisting of chlorine and bromine; R_3 is a member selected from the group consisting of chlorine and bromine and R_4 is a member selected from the group consisting of chlorine and bromine.

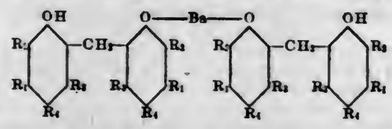
2,354,013

DIHYDROXY HALOGENATED DIPHENYL METHANES AND PROCESS FOR MAKING SAME

William S. Gump, Montclair, N. J., assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Original application July 26, 1941, Serial No. 404,155. Divided and this application November 20, 1943, Serial No. 511,114
4 Claims. (Cl. 260—619)

1. Compounds selected from the class consisting of those having the general formula:



wherein R_1 is a member selected from the group consisting of hydrogen, chlorine and bromine; R_2 is a member selected from the group consist-

ing of chlorine and bromine; R_3 is a member selected from the group consisting of chlorine and bromine and R_4 is a member selected from the group consisting of chlorine and bromine.

2,354,014

METHOD OF FOOD PRODUCT PRESERVATION

Edward C. Haines, Moorestown, N. J.

No Drawing. Application July 29, 1942, Serial No. 452,786
1 Claim. (Cl. 99—155)

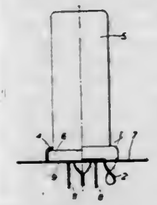
The method of preserving fruit juices for human consumption which consists in mixing with the fresh juice less than about 1% by volume of propylene oxide, immediately sealing the mixture in an an air-tight container and thereafter maintaining it therein until it is to be consumed after a time at least sufficient for the oxide to hydrolyze to propylene glycol.

2,354,015

MEANS FOR MOUNTING ELECTRIC CONDENSERS OR OTHER ARTICLES ON SUPPORT PLATES

William Cecil Handley, Frodsham, and Joshua Creer Quayle, Helsby, via Warrington, England, assignors to British Insulated Cables Limited, Prescot, Lancashire, England, a British company

Application October 14, 1942, Serial No. 462,034
In Great Britain November 11, 1941
1 Claim. (Cl. 248—361)



Means for attaching an electric unit subject to vibration, to a support, said electric unit having a peripherally extending shoulder facing away from the support, said means comprising an annular member embracing the electric unit and having an inwardly extending flange engaging said shoulder on the electric unit and a plurality of lugs on said annular member adapted to pass through correspondingly positioned apertures in the support and having their projecting ends deformed to engage behind the support and anchor them thereto, whereby said unit is clamped firmly in surface-to-surface engagement with the support.

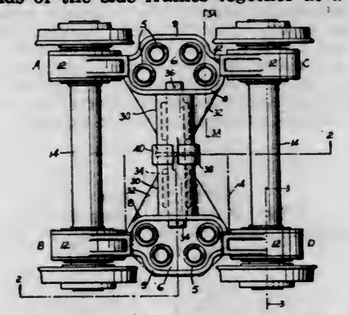
2,354,016

CAR TRUCK CONSTRUCTION

James L. Haynes, Glen Ellyn, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 3, 1941, Serial No. 396,419
10 Claims. (Cl. 105—182)

1. In a device of the character indicated, a pair of opposite side frames having bearing housings rigid with the ends thereof, a thrust resisting bearing of the self aligning type having its outer race ring secured in each housing against axial movement, and a wheeled axle journalled for rotation in opposite bearings and fixed to the inner race members thereof to tie the corresponding ends of the side frames together at a fixed



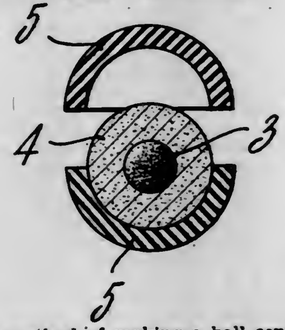
distance apart while providing for rocking movement of the axles in vertical planes to out-of-parallel relation.

2,354,017

METHOD OF MAKING BALL CENTERS

Eardley Hazell, North Kingstown, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application February 7, 1939, Serial No. 255,056
4 Claims. (Cl. 154—18)



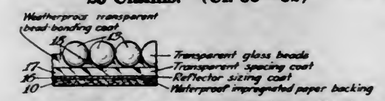
1. The method of making a ball center which comprises, molding to shape a pill from a partially dehydrated substantially dry to the touch granulated silica gel and an alkali hydroxide, enclosing the pill in an envelope of rubber-like material, and subjecting the assembly to time and temperature conditions sufficient to reduce the pill to a mobile body including alkali silicate and water.

2,354,018

LIGHT REFLECTOR SHEET

Harry Heltzer and John Edmund Clarke, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

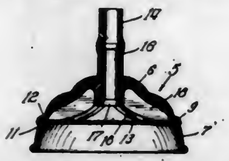
Application August 3, 1940, Serial No. 350,642
25 Claims. (Cl. 88—82)



1. A flexible weatherproof light reflector sheet adapted to the making of signs and indicia for outdoor use and which can be readily cut to desired shapes and united to base surfaces, comprising a flexible water-resistant support includ-

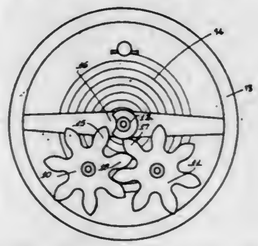
ing a flexible weatherproof bead-bonding layer and a multiplicity of contiguous small glass beads partially embedded therein to form a continuous surface layer, light reflecting means associated with the beads to produce in combination therewith a "reflexive" reflection of incident light, and an integral back coating of water-resistant adhesive adapted to firmly bond the reflector sheet to base surfaces to which applied.

2,354,019
SPRAY HEAD
Orloff W. Holden, Chicago, Ill.
Application April 20, 1942, Serial No. 439,619
3 Claims. (Cl. 299—141)



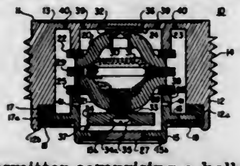
1. A bath spray head including in combination a one-piece dome shaped rubber member adapted to be connected with water conveying means, and a perforated spray disc, said member having a water inlet portion at one end with an opening and an oppositely disposed discharge portion, a walled yieldable skirt at the discharge portion with an internal annular face, said member having an annular groove with a disc ledge defining one annular edge of said face and said skirt having an opening defining the other annular edge, said skirt extending in width from said ledge to said annular opening and said width being at least twice the thickness of the wall of said skirt, said perforated disc being supported at its edge in said groove on said disc ledge and said width of such skirt acting to strengthen said yieldable skirt and maintain said disc on said ledge against the liquid pressures applied on the disc from the side thereof toward the water inlet, and said annular-skirt-opening-diameter being more than twice the diameter of the opening at the water inlet portion.

2,354,020
CLOCKWORK ESCAPEMENT
Guido Hönger, Geneva, Switzerland, assignor to Mefina S. A., Binningen, Switzerland, a corporation of Switzerland
Application June 25, 1942, Serial No. 448,467
In Switzerland July 26, 1941
3 Claims. (Cl. 58—117)



1. An escapement mechanism for clockwork comprising a pair of similar intermeshing gears rotatable about parallel axes one of said gears being driven by the clockwork, and a pallet oscillatable about an axis parallel to the axes of said gears and having its periphery intersecting symmetrically the circumferential arcs of travel of the ends of the teeth of said gears said pallet having an indentation in its periphery through which the ends of the teeth of both gears can pass.

2,354,021
TRANSMITTER
Albert F. Horlacher, Genoa, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application July 9, 1941, Serial No. 401,592
11 Claims. (Cl. 179—122)



3. A transmitter comprising a hollow casing, a first movable electrode resiliently mounted within said casing, a second movable electrode resiliently mounted within said casing, a first chamber defined in said casing adjacent said first electrode, a second chamber defined in said casing adjacent said second electrode, a first restricted passage formed in said casing and communicating between the exterior and said first chamber, whereby the movement of said first electrode may be controlled by sound-pressure waves, a second restricted passage formed in said casing and communicating between the exterior and said second chamber, whereby the movement of said second electrode may be controlled by sound-pressure waves, the dimensions of said second passage being so proportioned and related that it offers a relatively high impedance to the passage of sound-pressure waves within a given frequency band in the operating range of the transmitter, and a variable impedance element arranged between said electrodes, the effective impedance of said element being governed in accordance with the relative movement between said electrodes.

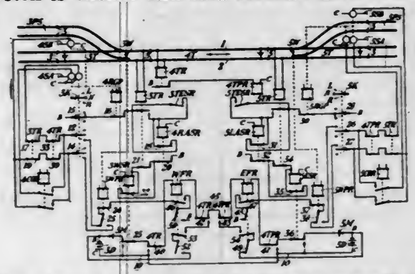
2,354,022
PROCESS FOR THE MANUFACTURE OF SIEVE NETTINGS
Emil Hubert, Dessau-Ziebigk, and Herbert Rein, Leipzig, Germany; vested in the Alien Property Custodian
No Drawing. Application December 22, 1939, Serial No. 310,552. In Germany December 22, 1938
4 Claims. (Cl. 28—72)

1. A process of producing fine-meshed sieve material which comprises stretching wires of a synthetic organic polymer during their manufacture, weaving the wires to form a meshed material and heat shrinking said meshed material to form the fine-meshed sieve material.

2,354,023
TRAFFIC LOCKING CIRCUIT
Clifford D. Ihrig, Edgewood, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 21, 1942, Serial No. 435,745
5 Claims. (Cl. 246—26)

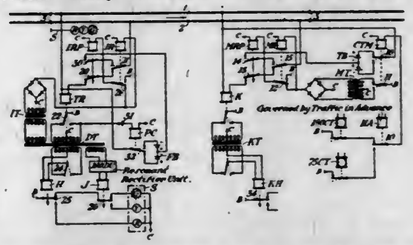
1. In combination, a stretch of railway track extending between a first and a second location

and over which traffic may move in either direction between said two locations, a first signal at the first location governing entrance of trains into said track stretch, a second signal at the second location governing entrance of trains into said track stretch, a first polarized relay at the first location, means effective when and only when said first polarized relay is energized by current of normal polarity to permit said first signal to provide a proceed indication, a second polarized relay at the second location, means effective when and only when said second polarized relay is energized by current of reverse polarity to permit said second signal to provide a proceed indication, a line circuit over which said polarized relays may be energized in series, means including a contact closed only when said first signal is to be cleared for energizing said polar relays in series with current of normal polarity supplied over said line circuit provided said track stretch is vacant and said second signal is displaying its stop indication to thereby permit the first signal to provide a proceed indication and prevent the display of a proceed indication by the second signal, means including a contact closed only when said second signal is to be cleared for energizing said polar relays in series with current of reverse polarity supplied over said line circuit provided said track stretch is vacant and said first signal is displaying its stop indication to thereby permit the second signal to provide a proceed indication and prevent the display of a proceed indication by the first signal, and means effective when a train enters said track stretch to interrupt said line circuit and to establish a stick circuit to supply to the polarized relay associated with the signal permitted to display a proceed indication energy of the same polarity that was supplied to said relay over said line circuit to thereby cause said relay to maintain the established direction of traffic until said track stretch is vacated.



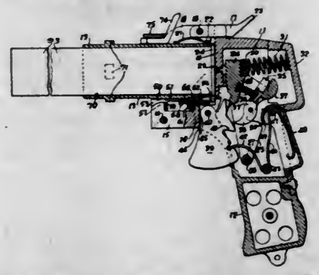
2,354,024
CODED TRACK CIRCUIT
Arthur L. Jerome, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 29, 1943, Serial No. 508,192
18 Claims. (Cl. 246—38)

1. In combination, a section of railway track, a first and a second coding relay and a polarized detector relay at the exit end of the section, the first coding relay having contacts continuously actuated between a first and a second position, the second coding relay having contacts biased to a released position in which they connect the detector relay across the section rails and being movable to a picked-up position in which they cause to be supplied to the section rails energy of normal or reverse polarity according as the contacts of the first coding relay are in their first or their second position, means effective on movement of the contacts of said first coding relay between their two positions in either direction to pick up the contacts of the second coding relay for a predetermined period substantially shorter than the periods that the contacts of the first coding relay remain in each of their two positions, a control relay responsive to movement of a contact of the detector relay between its two positions, a



polarized code following track relay at the entrance end of the track section operated by energy supplied over the section rails, and means effective on movement of the track relay contacts to their normal position to supply to the section rails an impulse of energy of one polarity and effective on movement of the track relay contacts to their reverse position to supply to the section rails an impulse of energy of the other polarity.

2,354,025
FIREARM
Edwin H. Johnson, Dayton, Ohio, assignor to The Kilgore Mfg. Company, Tipp City, Ohio, a corporation of Ohio
Application July 20, 1942, Serial No. 451,591
9 Claims. (Cl. 42—1)



2. A firearm for discharging signal flares having a barrel constructed and arranged to receive interchangeably muzzle loaded or breech loaded fixed ammunition, and a single mechanism for retaining and releasing muzzle loaded ammunition for discharge through the muzzle and for extracting breech loaded ammunition.

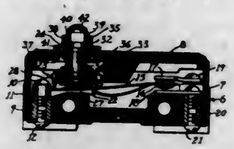
2,354,026
CASTING
Thoger G. Jungersen, Summit, N. J.
Application January 11, 1940, Serial No. 313,458
In Canada April 16, 1937
9 Claims. (Cl. 22—200)



1. A process of casting an article intricate to the extent of having one or more small projec-

tions or depressions, comprising: arranging a model of the ultimate article to be cast within a mold casing having walls forming a space surrounding said model and with blocking out form taking material in all of said space with the exception of that portion of the space which is adjacent a portion of the model for which a mold section is to be made thus leaving a portion of the model exposed, then filling said space adjacent said model with a flexible mold forming material under the influence of heat and pressure to form a mold section over the exposed portion of said model which mold section remains permanently flexible, then while leaving the model and mold section already formed in place, removing an adjacent portion of the blocking out material to expose a different portion of the model and filling the space formed by removing the blocking out material with flexible mold forming material under the influence of heat and pressure to form a separate mold section for said portion of the model contiguous to the first mold section which latter mold section remains permanently flexible, successively casting articles corresponding to said mold with an applied force sufficient to fill said mold including its intricate detail.

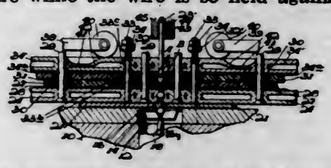
2,354,027
SNAP SWITCH OVERTRAVEL MECHANISM
Oscar H. Kaminky, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application December 31, 1942, Serial No. 470,789
7 Claims. (Cl. 200—67)



1. In a device of the character described, the combination of a housing, a switch element comprising a thin, leaf spring, snap action switch member operatively supported therein, one end being movable with snap action from one extreme position to another for switch operation when pressure is applied to a portion of said element, an operating plunger in said housing guided for reciprocatory movement with respect to the housing and engaging said switch element to apply pressure thereon, an external actuating plunger also guided for reciprocatory movement with respect to the housing, a pin movable with one of said plungers and projecting therefrom into the other of said plungers and guided therein for reciprocatory movement with respect thereto, means in said housing for positively limiting movement of the internal plunger toward the switch element, and a coiled compression spring encircling said pin inside the housing for yieldably and resiliently transmitting pressure from the external plunger to the internal plunger, said spring being arranged to yield to permit overtravel of the external plunger when movement of the internal plunger is stopped.

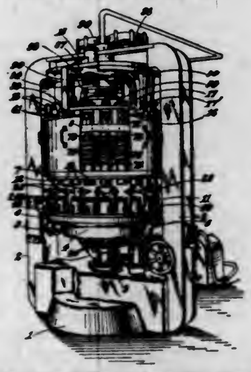
2,354,028
METHOD OF PRODUCING FLUSH CONTACTS
Henry Kershaw, Belleville, N. J.
Application February 11, 1943, Serial No. 475,538
4 Claims. (Cl. 29—155.55)

1. The method of forming a flush contact attached to a metallic element, comprising feeding a metallic wire longitudinally to bring its leading end into contact with the metallic element, then holding the wire against longitudinal movement, heating the wire at a point remote from the leading end of the wire to plasticize the same while the wire is so held against longitudinal movement, forming the plasticized portion of the wire into a head having a greater diameter than the wire while the wire is so held against lon-



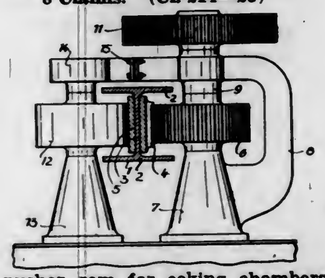
gitudinal movement, heating the contacting leading end of the wire and the metallic element to plasticize the same while the wire is so held against longitudinal movement, moving the metallic element toward the leading plasticized end of the wire while the wire is so held against longitudinal movement to weld the same, and severing the wire upon that side of the head remote from the leading end.

2,354,029
MOLDING PRESS
Arthur William Kingston, Denham, England
Application July 16, 1942, Serial No. 451,102
In Great Britain August 5, 1938
5 Claims. (Cl. 18—20)



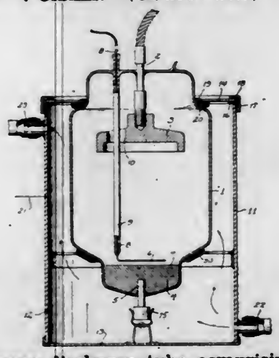
5. In a rotary molding press for thermoplastic materials, the combination of a stationary frame, a rotary member mounted on said frame, means for rotating said rotary member, a plurality of molding units mounted on said rotary member each unit comprising a resiliently mounted jacketed mold and a jacketed die capable of limited movement under spring control relative to a reciprocably mounted member, a valve-member rotatable with said rotary member and having at least one port connecting with each jacket pair associated with a molding unit, a second valve-member on said stationary frame co-operating with said first-mentioned valve member for directing first heating and then cooling media to the jackets of said units successively, means for angularly adjusting said second-mentioned valve-member for varying the cyclic points of admission and cut-off of said media, cam track means on said stationary frame having an inclined portion and a flat portion, means on said reciprocable members for engagement by said cam track to reciprocate said members to lift the dies carried thereby and support them out of contact with the molds during a predetermined extent of rotation of the rotary member, co-operating cam track means having an inclined portion and a flat portion, angularly adjustable means for varying the length of the flat portion of said co-operating cam track means, means on said reciprocable members for engagement by said co-operating cam track means to urge the dies carried thereby towards said molds to take up the resilience of their mountings and thereafter hold them in pressure engagement therewith, and means for simultaneously adjusting the angularity of said second valve member and of said length varying means of said co-operating cam track means.

2,354,030
PUSHER RAM FOR COKE OVENS
Heinrich Koppers, Essen, Germany; vested in the Alien Property Custodian
Application January 6, 1941, Serial No. 373,295
In Germany December 12, 1939
8 Claims. (Cl. 214—23)



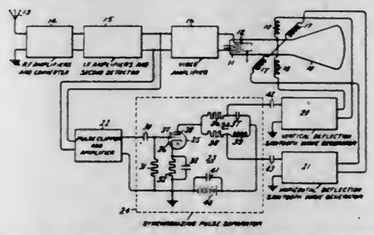
1. A pusher ram for coking chambers comprising, a metallic beam having a vertical web portion and relatively thicker upper and lower transverse flange portions, protection plates affixed to the web portion and substantially covering the opposite web faces, and a toothed rack formed on one of said protection plates for mechanical reciprocation of the ram into and out of the coking chamber.

2,354,031
SPACE DISCHARGE TUBE
Louis H. La Forge, Jr., Cleveland, Ohio, assignor to Invex Corporation, Cleveland, Ohio, a corporation of New York
Application April 26, 1941, Serial No. 390,569
7 Claims. (Cl. 250—27.5)



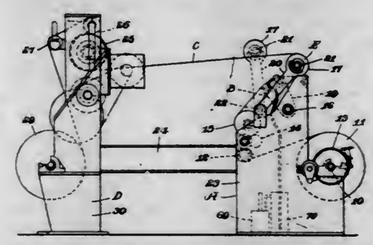
2. A space discharge tube comprising an envelope containing an anode and a mercury pool cathode arranged to be subjected to potential, a starter comprising a starter electrode having a portion spaced from the pool surface, and means for causing a discharge between the anode and the pool cathode to start at a minimum potential impressed across the electrode and pool which is less than sufficient to effect emission of ionizing electrons from the pool said means comprising an activating metal dissolved in the mercury.

2,354,032
SYNCHRONIZING PULSE SEPARATING CIRCUIT
Harold T. Lyman, Milford, Conn., assignor to General Electric Company, a corporation of New York
Application January 19, 1943, Serial No. 472,839
6 Claims. (Cl. 178—7.5)



1. A pulse separator for cathode ray television apparatus and the like comprising a thermionic amplifier, a source of line and frame synchronizing pulses, means for impressing said pulses on the input of said amplifier, a substantially constant impedance network comprising first and second parallel branches connected in the load circuit of said amplifier, said first branch comprising an inductance and a resistance in series and said second branch comprising a capacity and a resistance in series, one of said branches constituting a differentiating circuit, each of said resistances being equal to the square root of the ratio of the inductance to the capacity, and means responsive to voltage produced in said one branch for generating high frequency line deflection waves in synchronism with said line pulses.

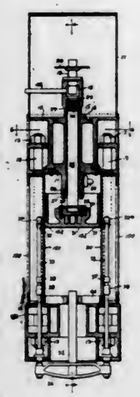
2,354,033
METHOD AND APPARATUS FOR COATING SHEET MATERIAL
Lyle L. McGladrey, Minneapolis, and Cecil M. Rhodes, St. Paul, Minn., assignors to Rapinwax Paper Company, Minneapolis, Minn., a corporation of Minnesota
Application October 13, 1941, Serial No. 414,744
14 Claims. (Cl. 117—102)



1. The method of coating a sheet through the use of a coating machine, the method consisting

in applying an excessive surface of coating to the sheet, passing the coated sheet over a vacuum chamber with the coated surface subjected to vacuum, this vacuum chamber drawing the coated surface of the sheet against the edges of the vacuum chamber and thereby removing the excess coating.

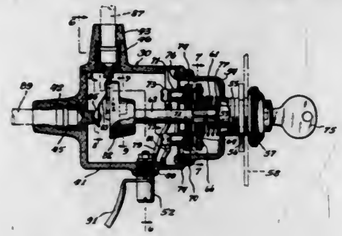
2,354,034
PRESS
Howard F. MacMillin and Johan A. Muller, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application January 16, 1941, Serial No. 374,713
2 Claims. (Cl. 100—71)



1. A press comprising a bed, said bed having spaced side elements extending vertically from said bed, a press platen slidably mounted between the side elements, said bed, side elements and press platen constituting a sub-assembly; a press head having a main bore therein constructed to a standard inner diameter, a cylinder body having an internal bore and a standard external diameter substantially the same as the inner diameter of said press head, said body being disposed within the bore of said press head, means for detachably connecting said cylinder to said head, a piston located within said internal bore of said cylinder body and provided with a piston rod, said piston rod being provided with means for detachable connection with said press platen; said press head, cylinder body, piston and piston rod constituting an additional sub-assembly; said second named sub-assembly being disposed on top of said first named sub-assembly, means attaching said side elements to said base and said press head to said side elements; whereby in the assembly of said second named sub-assembly one of several cylinders of differently sized internal diameter but of the same external diameter and a piston to fit said cylinder bore may be positioned within the bore of said press head, thereby to effect a press of desired tonnage, said side members further having means for guiding said platen and positioning the same relative to said piston to facilitate alignment of the platen and piston during the assembly of said first named assembly and said second named assembly.

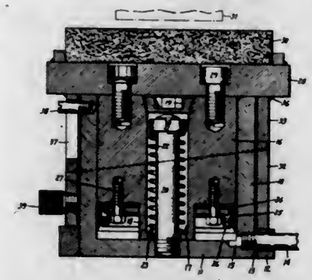
2,354,035
AUXILIARY IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Carl E. Maier, Chicago, Ill., assignor to Blackstone Manufacturing Co., Inc., Chicago, Ill., a corporation of Illinois
Application November 10, 1941, Serial No. 418,460
1 Claim. (Cl. 200—42)

A switch comprising an insulating casing having an extended neck portion housing a cylinder lock, a stem mounted coaxially with said lock and rotatable therewith, an insulating disc mounted on one end of said stem and rotatable therewith, said insulating disc having a pair of integral contact elements mounted thereon, an insulating member mounted in said casing through which said stem merely extends, said insulating member carrying a pair of opposed contact members arranged to register with said



contact elements when said stem is selectively rotated as by a key in said lock, spring means for urging said contact elements and said contact members in engagement, and a contact element insulatably mounted on the other end of said stem and rotatable therewith, said contact element arranged to selectively bridge a contact terminal mounted in said casing coaxially with said stem and one of two contacts mounted radially thereof.

2,354,036
HYDRAULIC JACK
Walter E. Mainwaring, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 31, 1942, Serial No. 464,128
4 Claims. (Cl. 254—93)



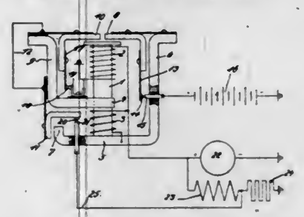
1. Hydraulic jack arrangement comprising a hydraulic cylinder having a connection for receiving fluid under pressure, a plunger slidably disposed in the cylinder, and means for holding an object hydraulically raised to a certain position by the plunger comprising cylinder cam means concentrically surrounding the cylinder.

2,354,037
HYDRAULIC JACK AND BRAKE ARRANGEMENT FOR VERTICAL GENERATORS AND THE LIKE
Walter E. Mainwaring, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application October 31, 1942, Serial No. 464,128. Divided and this application September 15, 1943, Serial No. 502,538
2 Claims. (Cl. 171—252)



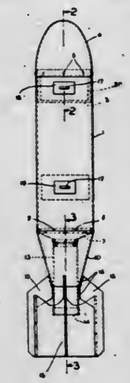
1. Hydraulic jack and brake arrangement for vertical generators and the like comprising in combination a generator support, a rotor having a brake ring rotatably held on the support, and a plurality of jack and brake arrangements each being held on the support and having a platform for engaging the ring, and adjustable cam means for holding the platform in raised position.

2,354,038
COMBINED ELECTROMAGNETIC REGULATOR AND SWITCH
Friedrich Menzel, Stuttgart, Germany; vested in the Alien Property Custodian
Application March 10, 1942, Serial No. 434,042
In Germany May 6, 1940
5 Claims. (Cl. 320—33)



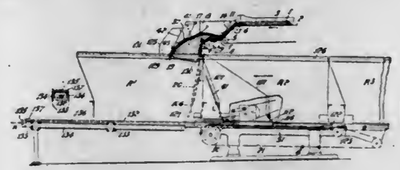
1. The combination of a variable speed generator and a storage battery to be charged thereby, said generator having a shunt field and a regulating resistance connected thereto, of an electromagnetic structure comprising a core, a cross piece of magnetic material intermediate the ends of said core, a voltage coil on said core at one side of said piece and connected across said generator, a normally open circuited series coil wound on said core at the said one side of said cross piece, a second series coil wound on said core at the opposite side of said cross piece, a magnetic frame secured to one end of said core and extending substantially the length thereof, an armature supported on said frame and movable in response to the total flux through said core to close the circuit from said generator to said battery, said cross piece having an extension along said core on said one side, an armature carried by said extension, normally short circuiting said resistance and operable by the flux in the core at said one side to connect said resistance in circuit in series with said field, and an armature operable in response to the flux in said core at said opposite side to close the circuit through said normally open circuited series coil on said one side in parallel to the circuit through said series coil on said opposite side, said coils being wound and connected in such a way that their respective currents create fluxes which are additive when said battery is charging.

2,354,039
PRACTICE BOMB
Harry W. Mitchell, Shaker Heights, Ohio
Application October 22, 1942, Serial No. 462,978
8 Claims. (Cl. 35—25)



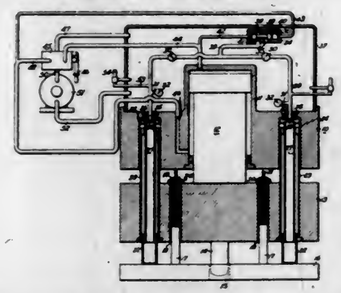
1. A practice bomb comprising a body formed of paper stock and a nose formed of a plastic, said nose having a smooth outer surface unbroken by cracks or blemishes which might affect the course of the bomb.

2,354,040
COLLECTING MECHANISM
Desmond Walter Molins and Félix Frédéric Ruau, Deptford, London, England, assignors to Molins Machine Company, Limited, London, England
Application May 15, 1942, Serial No. 443,175
In Great Britain May 8, 1941
14 Claims. (Cl. 226—5)



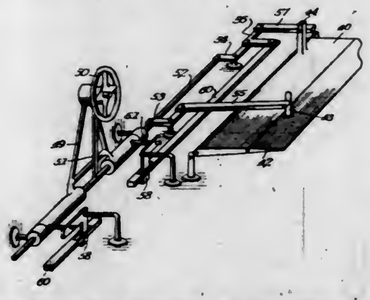
1. In apparatus for feeding cigarettes or like articles through a predetermined path in a direction transverse to their length, the combination with means forwarding articles to said path from a source of supply, of means affording opposed surfaces engaging the sides of the articles and defining said path therebetween, at least one of said surfaces being supported for movement toward and away from the other surface by decrease or increase in the number of articles passing between the surfaces, conveyor means movable through a path intersecting said first path for forwarding the articles therein, driving mechanism for said conveyor means, and means operable by said movable surface and connected with said mechanism for interrupting the conveyor drive whenever the distance between said surfaces reaches a predetermined minimum whereby a reserve supply of articles is accumulated in said path.

2,354,041
BLANK-HOLDER PRESS
Johan A. Muller, Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application April 1, 1942, Serial No. 437,303
11 Claims. (Cl. 113—45)



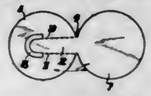
1. In combination in a press, a press ram for exerting pressure on a work piece, blankholder means for holding said work piece while it is being shaped, and a plurality of clamping cylinder-piston-assemblies operatively connected with said ram and said blankholder means for exerting pressure on the latter in response to a relative movement of said ram and said blankholder means, each of said clamping cylinder-piston-assemblies comprising a clamping cylinder movable by said ram, and also comprising two hollow plungers extending into said cylinder and adapted to be telescoped into each other, one of said plungers being stationary and forming fluid passage means communicating with the interior of said cylinder, while the other and larger plunger is connected to said blankholder means.

2,354,042
LONGITUDINALLY CONTROLLABLE AIRFOIL
Max M. Munk, Cottage City, Md.
Application May 1, 1937, Serial No. 140,238
2 Claims. (Cl. 244—13)



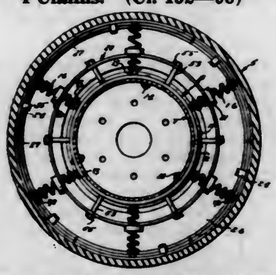
1. In a tailless airplane, in combination, an inherently longitudinally stable wing, a longitudinal control surface mounted for vertical angular displacement relative to said wing for developing pitching moments acting in the desired direction to longitudinally control the airplane, an adverse lift neutralizing surface mounted for vertical angular displacement relative to said wing to adjusted positions relative to the control positions of said longitudinal control surface, respectively, for neutralizing adverse lift developed by said control surface, pilot operated control mechanism connected to said longitudinal control surface and to said adverse lift neutralizing surface, said pilot operated control mechanism being effective for angularly vertically displacing said longitudinal control surface to control positions and constructed and arranged whereby simultaneous displacement of said neutralizing surface in a direction opposite the direction of displacement of said longitudinal control surface is effected to thereby substantially reduce the adverse lift developed by said longitudinal control surface in any control position thereof throughout the operating range of said longitudinal control surface.

2,354,043
BOTTLE CLOSURE
Anna Netalová and Antonie Wolfová, Prague, Bohemia-Moravia; vested in the Alien Property Custodian
Application May 20, 1939, Serial No. 274,832
In Czechoslovakia June 1, 1938
4 Claims. (Cl. 215—51)



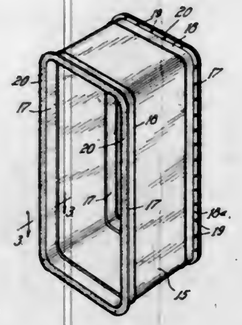
1. A bottle closure comprising a symmetrical cardboard blank folded upon itself substantially about the axis of symmetry, and a tab integral with and extending from one of said folded portions at right angles to said axis, said tab forming a section of said other folded portion, the outline of said tab being defined by a series of perforations, whereby the tab edges are releasably secured to the surrounding material of said other portion.

2,354,044
SPRING VEHICLE WHEEL TIRE
Frank Nicoletti, Pittsburgh, Pa.
Application April 6, 1944, Serial No. 529,780
4 Claims. (Cl. 152—98)



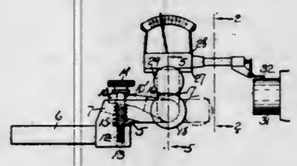
1. A spring tire for a vehicle wheel having a channel rim comprising a web and side flanges, said spring tire comprising a flat spring clamping ring, said clamping ring being out at one point to permit opening it to circumpose it on the web and between said side flanges, locking means for contracting the ends of the ring together to constrict the ring on said rim, sets of laterally spaced lugs spaced circumferentially around the radially outward side of said ring, a tread annulus normally circumferentially spaced around said clamping ring, radial helical springs secured to the lugs and radially inward side of said tread annulus, a spring control ring concentrically spaced between said clamping ring and said tread annulus, said spring control ring being positioned between the springs and having lateral eyes encircling the individual springs, and a cushion tread removably secured on said tread annulus.

2,354,045
PASSAGEWAY ENCLOSURE FOR PASSENGER CARS
Karl F. Nystrom and Leonard Le Roy Lentz, Milwaukee, Wis.
Application August 24, 1942, Serial No. 456,118
9 Claims. (Cl. 105—15)



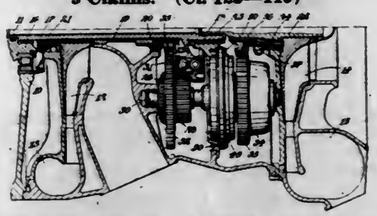
1. A passageway enclosure between aligned railway cars provided with diaphragms disposed about the passageway openings at the car ends and foot-plates secured to the car buffer members, a protruding door frame rigidly secured at the end of each car about its end opening and provided with a uniform surface about the top, sides and bottom thereof; a continuous yieldable tube, arranged within the diaphragms at adjacent car-ends, provided with contour forming members adapted to encircle said door frames and fit against said surface in dirt excluding relation and to rest on said foot-plates; vertical shafts rotatably arranged at the end of each car adjacent and on each side of said door-frames and provided with radially disposed fingers adapted to hold the tube-ends against said surface of the door-frames; and means operable from within said door frames whereby said shafts may be rotated into tube holding and releasing positions.

2,354,046
INDICATOR HOLDER
John E. Oslund, Wethersfield, Conn.
Application March 6, 1943, Serial No. 478,317
10 Claims. (Cl. 248—288)



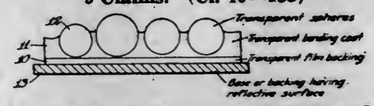
2. An indicator holder including a body having means for attachment to a support, a supporting lever pivotally mounted on said body and comprising two members pivotally joined by the pivot of said lever, means for rigidly securing said members one to the other at said pivot, means on one of said members for attachment thereto of an indicator, and means on the other of said members for adjusting the position of said lever as a whole.

2,354,047
SUPERCHARGED INTERNAL-COMBUSTION ENGINE
Frank Morgan Owner, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a company of Great Britain
Application January 18, 1943, Serial No. 472,767
In Great Britain December 2, 1941
5 Claims. (Cl. 123—119)



3. In combination, a supercharger, multi-speed transmission for driving said supercharger comprising a continuously driven carrier, medium and high speed planet gears rotatably supported on said carrier, sunwheels independently mounted in connection with said planet gears, a ring gear in driving relation to said supercharger and in driven relation to said planet gears, means for selectively arresting the motion of either of said sunwheels to cause said ring gear to rotate at a selected medium or high speed, a low speed gear unit comprising means to free said low gear ratio unit when either of said medium or high speed ratios are engaged and to further automatically connect said low gear ratio to said ring gear whenever the medium and high speed ratios are disengaged.

2,354,048
FLEXIBLE LENTICULAR OPTICAL SHEET
Philip V. Palmquist, Minneapolis, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application August 3, 1940, Serial No. 351,168
9 Claims. (Cl. 40—135)

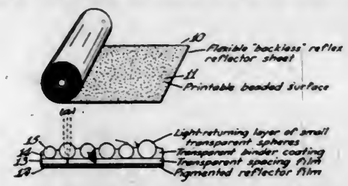


5. As a new article of manufacture, a flexible and stretchable transparent lenticular optical sheet of the character described, conformable to embossed sign surfaces, comprising a flexible and stretchable transparent bonding sheet having a layer of small transparent spheres partially embedded therein, adapted to produce "reflexive" reflection of light from reflective surfaces to which applied.

2,354,049
BACKLESS REFLEX LIGHT REFLECTOR
Philip V. Palmquist, New Canada Township, Ramsey County, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application January 19, 1944, Serial No. 518,846
24 Claims. (Cl. 40—135)

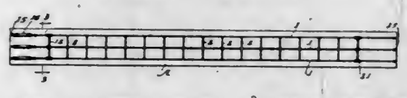
1. A flexible "backless" reflex reflector sheet comprising a self-sustaining flexible film sheet, a light-returning layer of small transparent spheres bonded in one side of the film sheet so as to provide a multiplicity of contiguous convex lens elements, and pigment light-reflective means

underlying the spheres so as to produce in combination therewith a reflex-reflection of incident beams of light, there being no permanent or in-



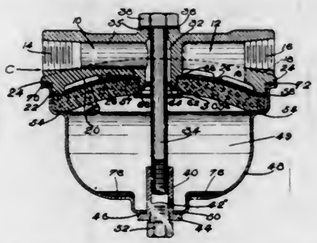
tegral backing underlying the reflective means; constituting a thin and pliable, unitary, reflex reflector sheet adapted to be readily cut and to be readily attached to base surfaces.

2,354,050
RUNNER TRAINING APPARATUS
Joseph Paupa, Chicago, Ill.
Application September 2, 1943, Serial No. 500,954
8 Claims. (Cl. 35—29)



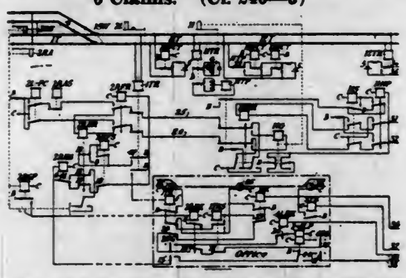
1. An apparatus of the character described, comprising a long, narrow flexible panel composed of at least three parallel, spaced, longitudinal lines and cross ties forming with the lines two ladderlike running lanes arranged side by side, and means to support said panel in a taut condition a short distance above a surface on which the user intends to run.

2,354,051
FUEL OIL FILTER
Vernon R. Pawelsky and William A. Biermann, Milwaukee, Wis., assignors to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 29, 1941, Serial No. 408,768
5 Claims. (Cl. 210—165)



1. In a device of the character described having a concave cover provided with an inlet and outlet, a screen mounted on said cover in filtering relationship to said outlet and adapted to follow the contour of said cover, a bowl forming a chamber and having a reinforced bottom, a bushing secured to the bottom of said bowl, a single bolt connecting said cover and said bowl, a gauze element held in contact relationship to said screen, a purifying element held in contact relationship to said gauze element and being concave at its interior surface so as to allow escape of air from said chamber, a retaining spring for said purifying element.

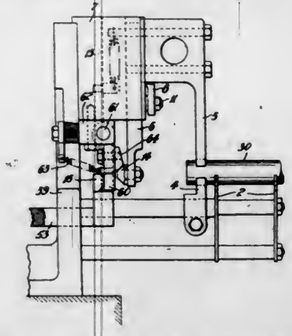
2,354,052
RAILWAY TRAFFIC CONTROLLING APPARATUS
John M. Pelikan, Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 26, 1942, Serial No. 456,174
6 Claims. (Cl. 246—3)



1. In a block signaling system for railways, a stretch of track divided into track sections, a track circuit for each track section having a track relay, head block signals for governing traffic movements into the stretch in opposite directions, a manually controlled relay for each signal, a system of cascade connected line circuits for controlling the signals, each line circuit extending the length of one or more track sections and including contacts controlled by the track relays which are closed only when the corresponding track sections are unoccupied, means controlled by back contacts of each manually controlled relay for supplying current to the adjacent end of the line circuit system to effect the energization of said line circuits in cascade to thereby prepare a circuit for the opposing signal at the other end of the stretch, means comprising front contacts of each manually controlled relay for controlling the associated signal in accordance with the condition of energization of said line circuit system when supplied with current at its opposite end, a block relay near one end of the stretch, means including the track relays for connecting said track circuits in cascade and for transmitting distinctive currents over the track rails section by section to the location of said block relay only when all the block sections are unoccupied, means controlled by the track relays and selectively responsive to said distinctive currents for energizing said block relay, direction locking means effective when in one condition to prevent the energization of one manually controlled relay and when in another condition to prevent the energization of the other manually controlled relay, and means preventing a change in the condition of said direction locking means except when said block relay is energized.

2,354,053
APPARATUS FOR TESTING OR MEASURING SIZES OR DIMENSIONS
George Frederick Pembroke, Deptford, London, England
Application June 4, 1943, Serial No. 489,666
In Great Britain June 5, 1942
1 Claim. (Cl. 33—147)

Measuring apparatus comprising in combination a reciprocable feeler-member, a measurement transmitter-member, reciprocable in a fixed path transverse to that of said feeler, and an intermediate member independently mounted and disposed between, and adapted to co-operate with, the reciprocable feeler and the measurement transmitter, the said intermediate member being mounted on a fixed pivot and arranged to follow the straight line movement of the transmitter-member with a swinging movement, an abutment on the intermediate member, and a further abutment movable with one of the other said members, each of the abutments having a portion inclined to the direction of movement



of both the feeler and the transmitter, the abutments being caused to engage at their inclined surfaces which are so arranged that movement of the feeler-member determines the extent of movement of the transmitter-member, and wherein the said surface of one of the said abutments is of convex arcuate form to compensate for the swinging movement.

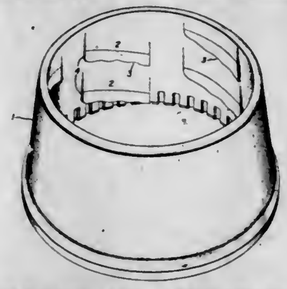
2,354,054
WINDOW CONSTRUCTION
Lawrence J. Plym, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Original application October 26, 1939, Serial No. 301,478, now Patent No. 2,304,598, dated December 8, 1942. Divided and this application August 15, 1942, Serial No. 454,936
5 Claims. (Cl. 287—51)



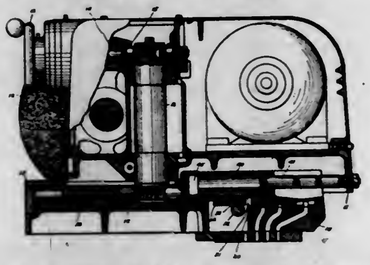
1. In a window sash construction provided with side rails, a muntin and means for securing an end of the muntin in a side rail, said muntin having its end reduced and adapted to be projected through an opening in the side rail, the reduced end being notched and provided with a rearwardly projecting, deformable tongue, which when projected through the side rail and the end distorted sidewise, the end of the tongue engages a surface of the side rail and prevents its withdrawal from the rail.

2,354,055
CASE HARDENED MALLEABLE CASTING AND PROCESS FOR MAKING THE SAME
James H. Powers, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application March 24, 1942, Serial No. 435,926
6 Claims. (Cl. 148—21.55)

1. A casting containing about .80 to 1.10% carbon, about .90 to 1.10% silicon, about .70 to .90% manganese, about .50 to 1.10% molybdenum, about .40 to .60% copper with the remainder substantially all iron, said casting having a case at least .04 inch thick and a hardness of 62 to 71 or more on the Rockwell C scale.



2,354,056
FEED CUSHIONING MECHANISM
Ralph E. Price, Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa.
Application December 8, 1941, Serial No. 422,172
3 Claims. (Cl. 51—2)

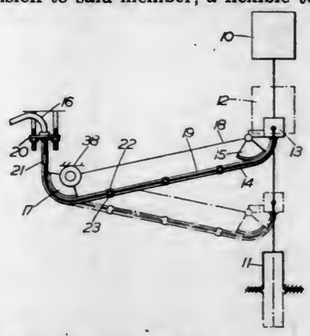


1. In a metal working machine, a movable slide, means for moving said slide including a piston and cylinder and hydraulic connections therefor, means for resisting the operation of said moving means at a predetermined point in the movement of said slide including a throttle valve in the exhaust line, a back lash piston and cylinder one of which is connected directly to said slide and connections from said backlash cylinder to the exhaust passage of said slide moving means between said power cylinder and said throttle valve, the pressure built up against said throttle valve being effective to resist movement of said back lash piston.

2,354,057
COOLING MEANS FOR ENGINE PISTONS
William Hamilton Purdie, Sunderland, England, assignor to William Doxford & Sons Limited, Sunderland, Durham, England, a British company
Application August 16, 1943, Serial No. 498,898
In Great Britain August 21, 1942
2 Claims. (Cl. 123—176)

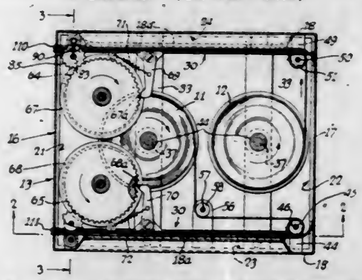
2. In an internal-combustion engine, the combination of a piston whereto a cooling liquid is to be supplied, a rigid link pivotally engaged at one end with a part moving with said piston and extending laterally from the part in movement with said piston, a roller on the other end of said link whereon said roller moves extending at right-angles to the path of said piston, a guide-member carried on said link near said roller, a flexible

tension-member having one end secured to said piston lying along said link and round said guide-member, an anchorage on a fixed part of the engine for said tension-member, means for applying tension to said member, a flexible tube com-



municating with said piston at one end lying beside said tension-member and having its other end communicating with a fixed supply pipe on said engine and means for tying said flexible tube to said tension member to restrain it from vibration.

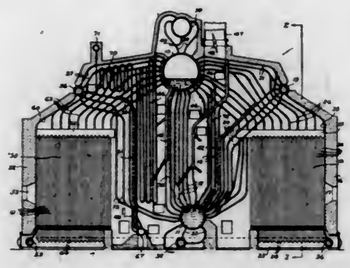
2,354,058
ADVERTISING DISPLAY DISPENSER
Leon Ridgeway Redfield, Astoria, Long Island, N. Y.
Application April 11, 1941, Serial No. 388,109
2 Claims. (Cl. 242—55.2)



1. A paper dispenser comprising a casing having a top wall, side walls and end walls, and being open at the bottom, said end walls being formed with windows, a frame within the bottom of the casing and fixed to the side and end walls, a bottom wall attached to said frame, to close the bottom of said casing, a pair of arms pivoted to said frame and formed with bearing openings to receive the lower ends of vertical shafts, means on the top wall to journal the upper ends of said vertical shafts, rolls of paper on said vertical shafts, a pair of plates within said casing and spaced from said windows forming passages therewith, and means to feed paper from said rolls through said passages.

2,354,059
STEAM GENERATOR
Gustav A. Rehm, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application May 15, 1942, Serial No. 443,036
7 Claims. (Cl. 122—240)

1. A steam generator comprising a transverse steam-and-water drum, a transverse water drum therebeneath, a bank of upright water tubes connecting the drums, a baffle located in front of the tube bank, a rear baffle located behind the tube bank, the lower edges of both baffles being spaced from the water drum, and the upper portion of one baffle being spaced from the steam-and-water drum to provide a gas passage, an offtake connected with the said gas passage, a steam generating furnace spaced forwardly from the first-mentioned baffle and having an outlet in its upper portion, means to conduct hot gases from the outlet downwardly in front of the first-



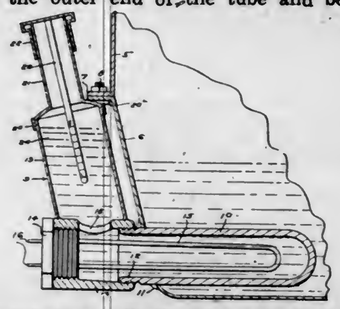
mentioned baffle and rearwardly beneath the lower edge thereof, a superheater furnace spaced rearwardly from the rear baffle and having an outlet in its upper portion, a superheater located between the superheater furnace and the tube bank, means to conduct hot gases from the superheater furnace outlet into contact with the superheater and downwardly behind the rear baffle and thence forwardly beneath the lower edge thereof, and means to conduct the gases from both furnaces upwardly in contact with the tube bank to the offtake.

2,354,060
MOISTUREPROOF SHEET MATERIAL
Cecil M. Rhodes, St. Paul, and John P. Sermattei, Minneapolis, Minn., assignors to Rapinwax Paper Company, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application May 16, 1941, Serial No. 393,844
8 Claims. (Cl. 117—68)

8. As an article of manufacture, a moisture-proof and heat sealable wrap suitable for articles high in moisture content, consisting of a cellulose base sheet selected from the class comprising paper and regenerated cellulose, coated on the inside surface with an under coat of .3 to 1.2 pounds of latex solids containing a small amount of glycerine per 2,880 sq. ft. ream, and a top coat of paraffin wax, and on the outside surface with a coating of only paraffin wax, the total wax weight on the two sides ranging from 3 to 7 pounds per 2,880 sq. ft. ream.

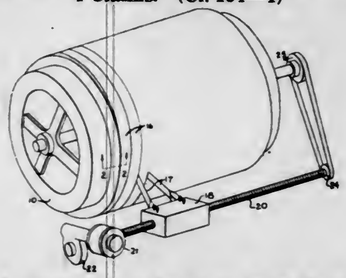
2,354,061
CRANKCASE HEATER
Richard H. Richardson, Welland, Ontario, Canada
Application May 21, 1943, Serial No. 487,921
4 Claims. (Cl. 219—38)

1. In combination, a crankcase, a tube projecting into the crankcase, a plug at the outer end of the tube, a heating element projecting from the plug and into the tube, a reservoir rising from the outer end of the tube and being in



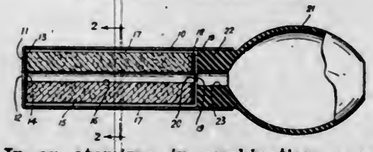
communication with the tube and a volume of liquid in the reservoir tube of a type having a low boiling point.

2,354,062
METHOD OF MAKING BELTS
Norman J. Ritzert, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application March 13, 1941, Serial No. 383,194
4 Claims. (Cl. 154—4)



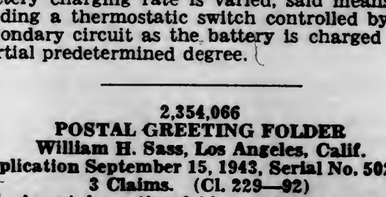
1. A process of making a belt of the desired trapezoidal cross sectional shape comprising building up the belt body on the surface of a drum-like mandrel, cutting the belt body along diverging angles spirally of said mandrel to form a long length belt, curing said cut belt, severing said cured belt to the desired length, and attaching the ends of said belt with a belt connector to provide an endless belt.

2,354,063
ATOMIZING DEVICE
William H. Rose, Jersey City, N. J.
Application February 25, 1942, Serial No. 432,212
8 Claims. (Cl. 299—88)



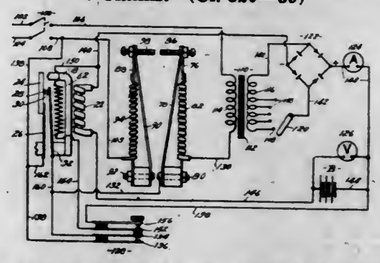
1. In an atomizer, in combination, a casing having an end member with an exit opening therethrough; a mass of liquid-absorbent material within said casing having an opening therethrough in alignment with said exit opening; spacing means immediately between said end member and said liquid-absorbent mass having an opening therethrough in alignment with said exit opening and said liquid-absorbent mass opening, the diameter of said spacer opening being less than the diameter of said end opening and of said liquid-absorbent mass opening and the diameter of said liquid-absorbent mass opening being greater than the diameter of said end opening; and pressure producing means on said casing at the end opposite said exit opening.

2,354,064
LIQUID SPRAYING DEVICE
William H. Rose, Jersey City, N. J.
Application December 11, 1942, Serial No. 468,634
18 Claims. (Cl. 299—88)



1. In a liquid spraying device, in combination, a casing, means adapted for the introduction of air under pressure into the rearward end thereof, a tubular exit member carried by the forward end of said casing and extended inwardly therefrom, a coil member within said casing and carried by said tubular member, liquid absorbing material surrounding said coil member and means adapted for the introduction of a liquid to said liquid-absorbing material.

2,354,065
BATTERY CHARGER
Earl J. Rueb and John E. Trulson, Kansas City, Mo.
Application April 15, 1943, Serial No. 483,215
7 Claims. (Cl. 320—39)



1. A battery charger comprising a primary circuit, a secondary circuit adapted for connection with the terminals of the battery to be charged, means to vary the primary circuit whereby the battery charging rate is varied, said means including a thermostatic switch controlled by the secondary circuit as the battery is charged to a partial predetermined degree.

2,354,066
POSTAL GREETING FOLDER
William H. Sass, Los Angeles, Calif.
Application September 15, 1943, Serial No. 502,710
3 Claims. (Cl. 229—92)

1. A postal greeting folder consisting of a main sheet comprising a plurality of sheet sections which has a rectangular body portion with a sealing tab protruding from one of its end edges, there being in said main sheet a longitudinal slit

leading at a right angle to said end edge and extending to and terminating at substantially the center of the sheet, thereby dividing off from each other a front cover sheet section and a rear cover sheet section, there being a fold line across the sheet at a right angle to said slit along which said front and rear sections are foldable thereby providing a one-piece double sheet section extending at a right angle to said slit, the center of said fold line coinciding with the inner end of said slit, there being a fold line extending longitudinally along the unslitted part of the double



sheet section and located opposite to said slit, said two fold lines and slit defining four rectangular foldable sheet sections of which the two sections forming the double sheet are folded back to back with said fold line forming a common edge of the two sheets, there being a strip of adhesive coating extending at least partly across one back face of the main sheet along that side of the first recited fold line that is farthest from the aforesaid sealing tab whereby to secure the two sections forming the double sheet in their back to back folded condition, said folded sheet forming the central leaf of a folder readable like a book of which said front cover forms the first sheet and said rear cover forms the back sheet.

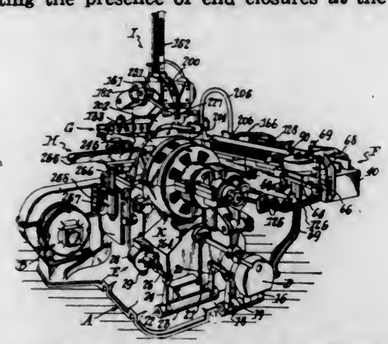
2,354,067
JEWEL
William F. Schmalz, Rockville, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application July 8, 1940, Serial No. 344,302
3 Claims. (Cl. 63—32)



1. A flat-backed jewel comprising in combination, a shaped body of light transmitting material having an outer surface composed of a plurality of facets formed at the edges thereof and also having a relatively deep recess in the back of said body to provide an inner surface therefor, said inner surface being composed of a plurality of substantially flat surface portions of which the majority thereof extend generally nonparallelly in opposed relationship to the majority of the facets of said outer surface, and a member secured to the back of said body and having a reflecting surface spaced from said inner surface of said body.

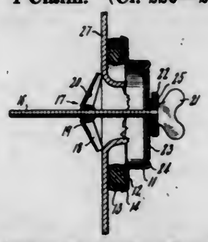
2,354,068
CONTAINER BODY AND END CLOSURE FEEDING MECHANISM
Otto A. Schmitt, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Original application November 10, 1939, Serial No. 303,991. Divided and this application October 10, 1940, Serial No. 360,669
7 Claims. (Cl. 113—114)

1. In a machine of the character described, a container body and end closure assembly station, means for moving individual container bodies and end closures along individual paths in timed relation so as to be presented in complementary relation with an end closure in registry with each container body at said assembly station, driving means for said container body and end closure moving means, an end closure testing station, a container body testing station, said testing stations being spaced like feed time intervals from the assembly station, means for testing the presence of end closures at the end



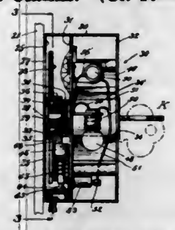
closure testing station, means for testing the presence of container bodies at the container body testing station, driving means controlling means, and means cooperatively connecting the two testing means with the controlling means for actuating the latter to stop the driving means only when the container body testing means is engaged by and detects the presence of a container body and the end closure testing means fails of engagement with an end closure for testing the presence thereof.

2,354,069
REPAIR DEVICE
Jesse W. Shields, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 21, 1943, Serial No. 483,937
1 Claim. (Cl. 220—25)



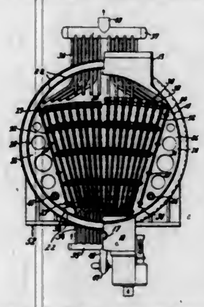
A repair device for sealing flared holes in containers comprising a cup-shaped member having a laterally extending flange on its open face constituting a seat, a soft resilient sealing ring secured to said seat and leaving the radially outer portions of the interior of the cup-shaped member unobstructed, the combined depth of the cup-shaped member and the thickness of the sealing ring being sufficient to normally clear the flared edges of the hole in the container when the device is in operative position, a threaded rod extending axially through the cup-shaped member, an expansible toggle threaded to one end of said rod adjacent the open end of the cup-shaped member, a thumb wing attached to the opposite end of said rod, a spiral-helical spring interposed between the thumb wing and the cup-shaped member, and a projecting portion raised from the base of the cup-shaped member for centering and retaining the spiral-helical spring.

2,354,070
AUTOMOBILE THEFT PREVENTING DEVICE
Bernard H. Skelly, Bridgeport, Conn.; Frances A. Skelly administratrix of said Bernard H. Skelly, deceased
Application September 29, 1941, Serial No. 412,777
12 Claims. (Cl. 40—15)



1. In a device of the type described, a casing to be mounted to a vehicle; a support housed by said casing; a pair of visible signals carried by said support; an indicia holder rotatably mounted on said support; and a pair of indicia means carried by said holder, said holder being movable to alternate positions on said support wherein one or the other of said indicia means is visible, the indicia means visible in either position of said holder concealing one of said signals.

2,354,071
SURFACE TYPE HEAT EXCHANGER
Arthur R. Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 1, 1942, Serial No. 425,307
4 Claims. (Cl. 257—43)



2. Condenser boiler comprising a cylindrical shell having a top portion forming an inlet for mercury vapor and a bottom portion forming an outlet for mercury liquid, means for reinforcing the shell comprising a plurality of spaced annular channel members surrounding and sealed to the shell, the shell having circumferentially spaced openings to establish communication between the interior of the shell and the channels formed by said channel members, two plates located within the shell on opposite sides of and oppositely inclined towards a central plane through the shell to define a condenser space proper between them decreasing in cross sectional area in the direction of flow of mercury vapor, spaced banks of tubes located within said space, and means for removing non-condensables from the spaces defined between each of said plates and the adjacent portions of the shell, the shell portion adjacent the plates being free from said circumferentially-spaced openings to preclude non-condensables in the last named spaces from flowing into the channels.

2,354,072
GOLDBEATING LUBRICANT
Donald D. Swift, Hartford, Conn., assignor to M. Swift & Sons, Inc., a corporation of Connecticut
No Drawing. Application October 28, 1939, Serial No. 301,797
8 Claims. (Cl. 252—36)

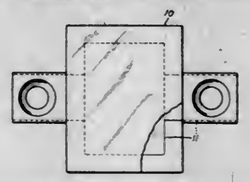
4. An improved lubricant for metal beating comprising comminuted particles of a metal soap from the group consisting of calcium stearate, magnesium stearate, and zinc stearate, characterized by being insoluble in alcohol, soft enough to be scratched by a fingernail, and capable of microscopic subdivision, each particle being covered by a surface layer of a fatty acid sodium soap soluble in alcohol, nonadhesive, having a fairly high melting point, and chemically stable.

2,354,073
ROLL-LEAF AND METHOD OF MAKING THE SAME
Donald D. Swift, Hartford, Conn., assignor to M. Swift & Sons, Inc., a corporation of Connecticut
Application December 23, 1939, Serial No. 310,779
4 Claims. (Cl. 41—37)



1. In combination, a carrier strip of cellulose acetate, a layer of releasable burnishing and adhering material thereon, a layer of metallic leaf thereon, and a coat of sizing thereon.

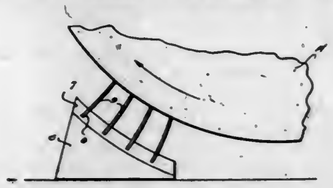
2,354,074
METHOD OF IMPREGNATING ELECTRIC ARTICLES
Johan Gudbrand Tandberg, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application July 18, 1942, Serial No. 451,485
In Sweden June 11, 1941
2 Claims. (Cl. 117—47)



1. The method of initially impregnating hitherto unimpregnated articles having interstices

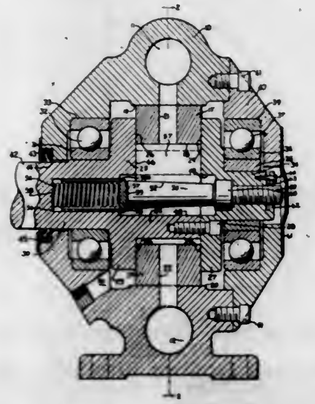
comprising first boiling the unimpregnated articles in benzol, and then boiling the articles in a solution of polystyrol dissolved in toluol-xylol, said solution having a higher boiling point than benzol.

2,354,075
EDGING STONE WIPER
Elmer H. Teschner, West Palm Beach, Fla.
Application March 15, 1944, Serial No. 526,568
4 Claims. (Cl. 51—272)



1. An edging stone wiper of the class described comprising a plurality of longitudinally spaced transversely disposed flexible wiper blades conformable to the outer peripheral edge of the edging stone, and supporting and retaining means for said blades.

2,354,076
VANE PUMP
Warren R. Tucker and George A. Waldie, Dayton, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application February 6, 1941, Serial No. 377,709
5 Claims. (Cl. 103—136)

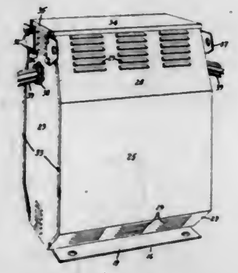


1. In a pump, a cylinder, a rotor rotatable therein, reciprocable vanes carried by the rotor, means within said rotor to cause the vanes to maintain constant engagement with the inner wall of said cylinder while reciprocating in and moving bodily with said rotor comprising a tapered pin in engagement with the inner ends of said vanes, resilient means carried in said rotor acting against the larger end of said pin for constantly forcing said pin in a direction to move the vanes outwardly, and adjustable means carried by said rotor acting against the smaller end of said pin to limit the maximum movement of the pin in said direction.

2,354,077
PROCESS FOR PRODUCING FILAMENTS, THREADS, FIBERS, BANDS, FILMS, AND THE LIKE FROM PROTEINS
Lambertus Alexander van Bergen, Aarle-Rixtel, Netherlands; vested in the Alien Property Custodian
No Drawing. Application May 11, 1940, Serial No. 334,656. In the Netherlands May 11, 1939
6 Claims. (Cl. 18—54)

1. A process for the production of filaments, threads, fibers, bands, films and the like having a high resistance to boiling which comprises extruding a solution of a protein in alkali into a coagulating bath, and hardening the resultant product by treatment with an aldehyde and with a solution containing as essential ingredients formate ions and polyvalent metal ions, said protein solution containing at most 0.4 mol of free alkali per kg. of protein.

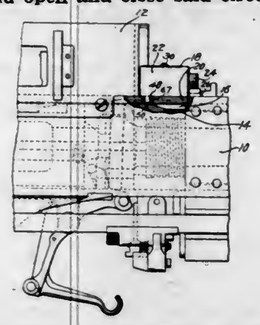
2,354,078
ELECTRIC APPARATUS
Paul A. Vance, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application April 21, 1942, Serial No. 439,801
10 Claims. (Cl. 175—361)



1. In an electric apparatus, a core having a plurality of laminations, means for clamping said laminations together, an enclosing casing for said core including a plurality of side members, means including means extending from said core clamping means for supporting said casing through said core clamping means, opposite of said side members having inwardly extending portions on at least one end thereof, said inwardly extending portions having openings to permit free circulation of air over said core inside said casing, and means including said means extending from said core clamp means for providing lifting means for said apparatus so that the casing need not support the weight of the apparatus during lifting.

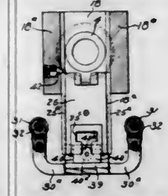
2,354,079
ROUNDS COUNTER FOR AUTOMATIC FIREARMS
George Webb, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application September 27, 1941, Serial No. 412,565
5 Claims. (Cl. 42—1)

1. The combination of an automatic firearm including means movable upon each firing of said firearm, an electrically actuated counter, an electric power source, a switch, a circuit connecting said counter, electric power source and switch, and means actuated by said movable means upon movement thereof to operate said switch and open and close said circuit to actu-



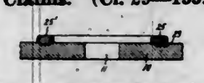
ate said counter, said switch operating means holding the switch open at the time of firing said firearm.

2,354,080
AUTOMATIC FIREARM BREECHBLOCK STOP
George Webb, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application April 6, 1942, Serial No. 437,852
6 Claims. (Cl. 89—3)



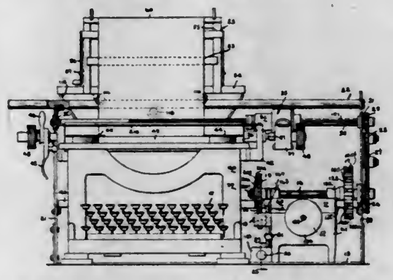
1. An automatic firearm comprising in combination, a casing, a longitudinally reciprocable barrel having a barrel extension connected therewith and positioned within the casing, a breech block member guided on the barrel extension for downward and upward movement out of and into breech-closing position, and mechanism for moving the breech block member downward and upward in timed relation with the reciprocation of the barrel and barrel extension, in combination with a stop member carried by the barrel extension and having a portion positioned to limit downward movement of the breech block, one of said members being formed with a recess and the other member having a projection adapted to be received in said recess when the breech block member is in engagement with said stop member to substantially prevent horizontal movement of the lower end of the breech block member in a direction transverse to the horizontal axis of the firearm.

2,354,081
METHOD OF FORMING CONTACTS
William J. Weder, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application January 20, 1940, Serial No. 314,826
4 Claims. (Cl. 29—155.55)



1. The method of manufacturing a contacting surface on a current-conducting member of an electric switch comprising molecularly bonding a strip of material whose oxide does not substantially interfere with electrical current conduction longitudinally to said member and simultaneously deforming said strip to produce a contact surface of a predetermined character.

2,354,082
TYPEWRITER CONTROLLER
Clayton E. Wyrick, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application August 13, 1941, Serial No. 406,623
13 Claims. (Cl. 197—121)

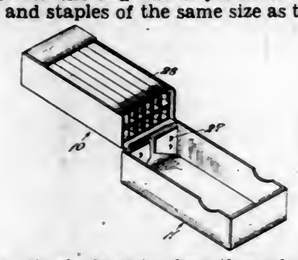


1. A control mechanism for the platen of a typing machine comprising a motor, a clutch connected to said motor, means for transmitting power from said clutch to said platen, means driven concomitantly with said power transmitting means for controlling rotation of said platen, means associated with said controlling means for regulating the degree of forward or rearward rotation of said platen, manually actuated means for concomitantly initiating engagement of said clutch and positioning of said regulating means into active cooperation with said platen controlling means, means carried by said platen controlling means for automatically causing disengagement of said regulating means therefrom after a predetermined movement of said platen control means, and manually actuated means for moving said regulating means with respect to said platen controlling means to position said regulating means with respect to said platen controlling means to permit said platen controlling means to rotate said platen a predetermined amount to advance a predetermined length of paper sheet over said platen.

2,354,083
STAPLE PACKAGE
William H. Bixby, East Providence, R. I., assignor to Green Brothers, Inc., a corporation of Rhode Island
Continuation of application Serial No. 380,584, February 26, 1941. This application July 26, 1943, Serial No. 496,163
2 Claims. (Cl. 206—46)

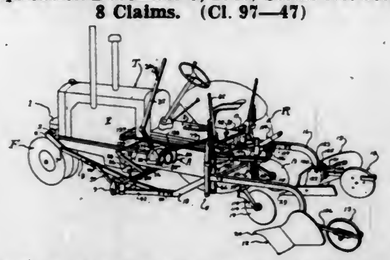
1. A package comprising a single place of sheet stock comprising a body section and a cover section hingedly related, said body section having a bottom wall, opposite side walls and one end wall and an open end, strips of staples in said body, said cover section comprising a top wall, opposite side walls and opposite end walls to telescope over the side and end walls of said body when the sections are swung about said hinge connection, tabs on the side walls adjacent said hinge of a less width than that of the side walls providing a space between the free edge of the

side walls and the adjacent edge of said tabs and extending from said side walls in overlapping relation with the end wall adjacent to said hinge portion and staples of the same size as those con-



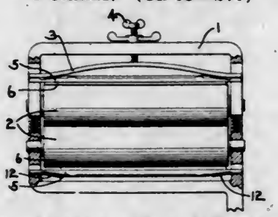
tained in the body extending through said tabs and end wall from the outside surface inwardly for securing said tabs and end wall to each other and exposing said staples to view.

2,354,084
TRACTOR ATTACHMENT
Gerald Geraldson, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application December 9, 1940, Serial No. 369,148
8 Claims. (Cl. 97—47)



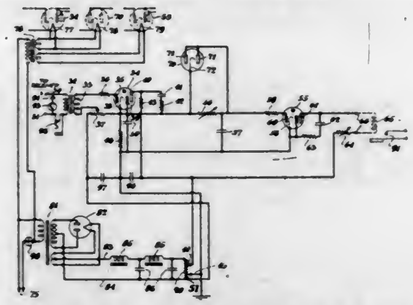
1. In a plow for attachment to a tractor, the combination of a unit including a plurality of pull bars pivotally attached to the front of the tractor and extending rearwardly therebeneath, a cross-bar connected with said pull bars rearwardly of the pivotal connection and extending transversely between them, and a plurality of plow beams pivotally connected with said unit to be propelled thereby, means for vertically adjusting said unit for adjusting the plowing depth, means for angularly adjusting said plow beams relatively to said unit, power lift means adapted for simultaneously lifting said plow beams and means individual to said plow beams for retaining them in raised position independently of each other.

2,354,085
WRINGER GUARD
Henry J. Heetderks, Holland, Mich.
Application August 20, 1941, Serial No. 407,515
4 Claims. (Cl. 68—270)



1. The combination with a clothes wringer having rollers and a frame, of a guard comprising a guide longer than said rollers and connected to said frame and having a longitudinal slot extending entirely through the guide, a rigid wiper bar extending entirely through the slot in said guide and engaging one of said rollers and that portion of the wiper bar extending through said slot being narrower than the slot to permit tipping of the wiper bar relative to the guide and to the roller.

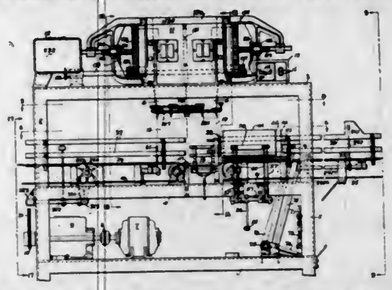
2,354,086
RADIOMETEOROGRAPH RECEIVING RELAY APPARATUS
John R. MacKay, West Caldwell, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application September 30, 1941, Serial No. 413,051
23 Claims. (Cl. 250—2)



1. In radio apparatus comprising a radio receiver adapted to receive significantly timed impulses from a remote transmitter, and a recording device responsive to timed impulses, the combination of an ionic discharge tube having a control electrode, means connecting said electrode to the receiver for discharge of the tube in response to said impulses, means responsive to discharge of the tube for establishing a predetermined unidirectional control voltage for the duration of each impulse, relay apparatus for effecting operation of the recording device in response to said control voltage, and unidirectional time delay means intermediate said voltage establishing means and said relay apparatus and comprising a condenser connected to said relay apparatus and connecting means intermediate said condenser and said voltage establishing means, having a high resistance to current in one direction and a low resistance to current in the opposite direction.

2,354,087
DUAL TYPE VOLUME FILLER
Morris M. Raymer, Augusta, Mich., assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware
Application March 6, 1940, Serial No. 322,632
10 Claims. (Cl. 249—2)

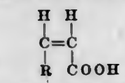
1. In a container-filling machine, in combination, a source of power, load forming mechanism for filling containers, a scale having a beam counterweighed to a standard load, means for presenting the containers in succession onto the scale to receive a load and to be weighed, load varying mechanism controlled by the scale to increase or decrease the amount of each succeeding load delivered by the load forming mechanism in the event that the scale indicates a variation in the tested load from the standard, power driven means actuated by said source of power for driving said load varying mechanism, said load varying mechanism including a clutch interposed within said power driven means, a clutch lever for actuating said clutch and an electromagnet energized when the scale indicates a variation from the standard load, a latch interposed between said clutch lever and said electromagnet for preventing movement of said clutch lever, said electro-



magnet, when energized, actuating said latch to unlatch said clutch lever, and means actuated by said source of power operating independently of the energization of said electromagnet for preventing actuation of said clutch except during a predetermined portion of the cycle of operation of the container-filling machine which portion is between filling operations of said load forming mechanism.

2,354,088
STABILIZED DIAZO-TYPE SENSITIVE MATERIAL
Maximilian K. Reichel, Albany, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 4, 1942, Serial No. 467,901
11 Claims. (Cl. 95—6)

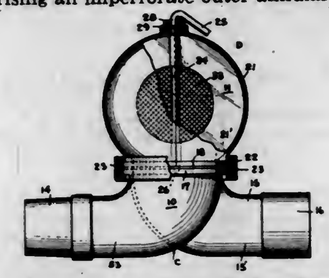
1. The process of increasing the stability of a diazotype light-sensitive layer containing a suitable diazo compound which comprises adding to the coating solution an alpha-beta-unsaturated acrylic acid of the following formula:



wherein R stands for a radical selected from the group consisting of alkyl, phenyl, pyridyl, quinolyl and substituted phenyl, pyridyl and quinolyl radicals, and coating a suitable base with said solution.

2,354,089
DUST ARRESTING INDICATOR FOR SUCTION CLEANERS
Daniel Benson Replogle, Berkeley, Calif.; Bank of America National Trust and Savings Association, Carl S. Replogle, Harold E. Queen, and Laurie H. Bullock, executors of said Daniel Benson Replogle, deceased, assignors to The Ohio Citizens Trust Company, Toledo, Ohio, a corporation of Ohio, trustee
Application September 29, 1941, Serial No. 412,861
22 Claims. (Cl. 302—65)

1. In a suction cleaning system, including a suction cleaning tool, a source of suction and tubular elements connecting said tool with said source of suction, a dust indicator located within the system having a body provided with inlet and outlet openings, said indicator including a transparent globular element having air and dust deflecting means therein comprising a circular diaphragm mounted therein, said diaphragm comprising an imperforate outer annular portion

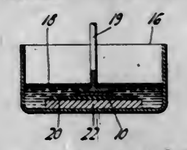


snugly fitting the interior of the globular element and having a central opening for passage of air therethrough, and means for rotating said diaphragm with reference to the inlet and outlet openings about a central axis.

2,354,090
PLYWOOD
Alfred J. Stamm and Raymond M. Seborg, Madison, Wis., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Original application August 26, 1940, Serial No. 354,250. Divided and this application May 4, 1943, Serial No. 485,616
5 Claims. (Cl. 20—89)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A wood product consisting of dense, compressed, permanently water-resisting phenol-formaldehyde resin-treated face-plies, having hard weather- and chemical-resistant, smooth finished surfaces and a distribution of resin throughout the cell-wall structure, the resin being chemically bonded to the polar groups of the wood constituents of the face plies, which face plies are integral with an untreated, substantially uncompressed core, the resin bond being chemically continuous with the resin throughout the face plies.

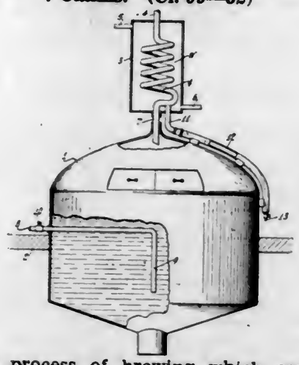
2,354,091
OPTICAL DEVICE AND MANUFACTURE THEREOF
Alfred H. Sharpe, Buffalo, N. Y., and Victor Walker, Fort Erie, Ontario, Canada, assignors to AinCin, Inc., Buffalo, N. Y.
Application September 25, 1941, Serial No. 412,318
18 Claims. (Cl. 41—42)



1. A method of shaping and finishing a glass body comprising subjecting a locally irregular surface portion of said body to reaction with a solution containing active hydrofluoric acid ingredients while mechanically removing the reaction products from only the high portions of said surface until the desired contour is formed by means of a member disposed in contact with said surface and sliding relative thereto in such manner as to continuously displace the by-products

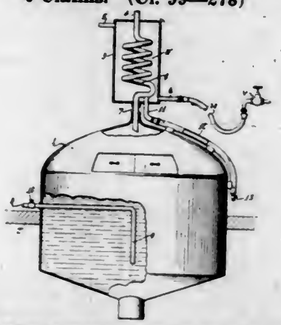
of the chemical reactions from only the high portions of said surface and to continuously replenish said solution in the regions of said high portions with fresh supplies of said active acid ingredients.

2,354,092
ART OF BREWING BEER, ALE, OR NEAR-BEER
Berthold Stein, Brooklyn, N. Y.
Application December 11, 1940, Serial No. 369,574
7 Claims. (Cl. 99—52)



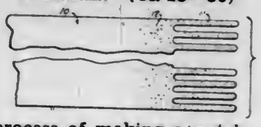
1. The process of brewing which comprises, in a first brew-kettle stage, heating the wort to boil at substantially atmospheric pressure while venting the vaporized constituents thereof, thereby to bring the wort to the desired concentration while eliminating its undesirable vaporizable constituents; and in a second kettle stage introducing hops and heating the brew to boil at atmospheric pressure, while conserving the vaporized constituents thereof by cooling and condensing the vapors, and flowing at least the main part of the resulting condensate back into the boiling brew, including the desirable hop oil content thereof.

2,354,093
BREWING APPARATUS
Berthold Stein, Brooklyn, N. Y.
Original application December 11, 1940, Serial No. 369,574. Divided and this application June 22, 1942. Serial No. 447,965
6 Claims. (Cl. 99—278)



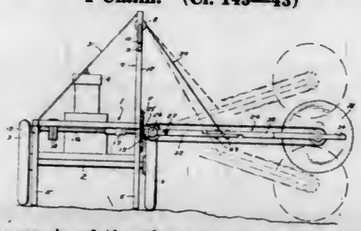
1. A brewing apparatus including a brew kettle for boiling wort and hops, a reflux condenser supported over the kettle and having a jacket and surrounded thereby a condensing tube, the latter having an air-tight connection at the top of the kettle with its interior, the upper end of the condenser establishing a communication of the interior of the kettle with the outside air at atmospheric pressure, the kettle being otherwise closed, and such condenser serving to condense the steam and vapors carrying the volatile aromatic and essential oils from the brew of wort and hops at atmospheric pressure, and to return such oils into the kettle by gravity, and separating means having a passage connected with the condensing tube of the condenser and extending through and outside of the jacket of the condenser, such means terminating in an accessible valve-controlled outlet and serving to withdraw from the condenser tube the undesirable substances in liquid form emanating from the hops at a low boiling point until such time as the kettle reaches a boiling point high enough to evaporate such oils from the brew.

2,354,094
METHOD OF MAKING NOTEBOOK PLASTIC BINDINGS
Charles W. Thomas, Elkins Park, Pa., assignor to Keystone Index Card Company, Philadelphia, Pa., a corporation of Delaware
Application March 17, 1942, Serial No. 435,022
5 Claims. (Cl. 18—56)



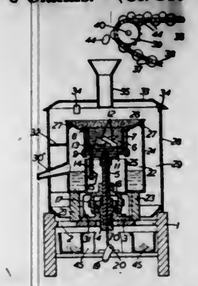
1. The process of making a notebook binding comprising cutting a number of outstanding teeth from an edge of a sheet of paper material, coating portions of said sheet including the said teeth with a thermoplastic material, heating portions of the said sheet including said teeth to render said material plastic, forming said teeth into the desired shape while said material is in plastic condition and maintaining said teeth in their newly formed shape until cold.

2,354,095
SAW RIG
Ernest D. Adams, Athol, Mass.
Application May 17, 1943, Serial No. 487,321
1 Claim. (Cl. 143—43)



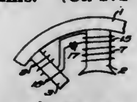
A saw rig of the character described, comprising a wheel supported frame, an engine mounted on said frame, a mast of substantially U-shaped construction rising from the frame, metallic straps mounted vertically on the lower portions of the legs of the mast in spaced relation thereto, a vertical plate slidably and non-rotatably mounted at its ends for adjustment in a vertical plane between the straps and the legs of the mast, means for securing the plate in adjusted position, a shaft having one end portion extending transversely through and journaled in the plate, means connected to the other end of the shaft for driving the shaft from the engine, a second vertical plate rotatably adjustable in a vertical plane about said shaft and disposed at the outer side of said first-named plate, means for releasably securing the second named plate in rotatably adjusted position relative to the first named plate, a shaft journaled on the second named plate transversely of the first-named shaft, gears connecting the second named shaft to the first named shaft for actuation thereby, a boom mounted for swinging movement on the second named shaft, a circular saw rotatably mounted on the boom on an axis transversely of the latter, means connecting the circular saw to the second named shaft for actuation thereby, a drum mounted on the upper portion of the mast, and a cable connecting the mast to the drum for raising and lowering thereby.

2,354,096
MEANS FOR SHELLING EGGS
David Turner Archer, Dublin, Eire
Application August 14, 1942, Serial No. 454,857
In Great Britain August 15, 1941
8 Claims. (Cl. 146—2)



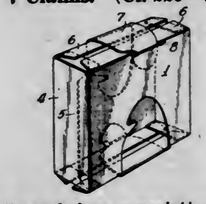
1. A machine for shelling eggs comprising a frame, a footstep bearing mounted therein, a hollow spindle seated in said bearing, a drum concentrically mounted on said spindle, open at the top and having a foraminous circumferential wall, a disc axially slidable on said drum with its peripheral edge in proximity to said wall, blades extending upwards from said disc, means preventing relative rotation of said disc and drum, a rod secured to said disc and passing through said hollow spindle, an annular container around said drum, an annular cover to said container surrounding the drum near the top thereof, an outer casing surrounding and spaced from said container, means for dropping eggs periodically into said drum and for reciprocating said rod in synchronism with the operation of the egg-dropping means.

2,354,097
DIRECT-CURRENT MOTOR
Clarence A. Atwell, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 18, 1942, Serial No. 458,807
8 Claims. (Cl. 171—228)



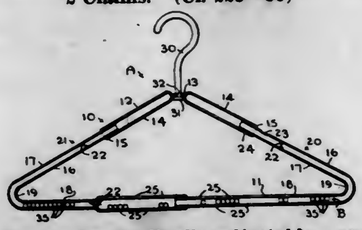
1. A direct-current dynamo-electric machine having a stator member and a rotor member, a plurality of main pole pieces on the stator member, main field windings on said main pole pieces to provide a main field flux for the machines, a plurality of commutating poles on the stator member, commutating field windings on the commutating poles to provide a commutating field flux, auxiliary commutating field windings to provide additional commutating field flux, energizing means for said auxiliary commutating field windings, said energizing means comprising windings on the main pole pieces in inductive relation to the main field windings, and means permitting current to flow from the energizing windings to the auxiliary commutating field windings in one direction only.

2,354,098
CARDBOARD BOX
William Bamber, Banstead, England
Application July 21, 1942, Serial No. 451,766
In Great Britain November 11, 1941
7 Claims. (Cl. 229—16)



1. A cardboard box consisting of four side panels with short flanges at each end adapted when bent inwardly to form a frame round the ends of the box, and flaps formed in panels of the box by cutting along three sides of each such flap, leaving the fourth side attached to the flange at one end of the panel, each said flap being bent back, the one over one end and the other over the other end of the box, and each having its free end attached by engaging in a slit in an opposing portion of the box.

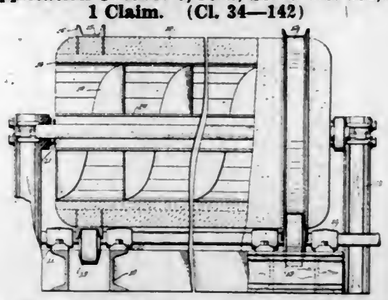
2,354,099
GARMENT HANGER
Cornelius G. Bess, United States Army, Geiger Field, Wash.
Application November 2, 1942, Serial No. 464,223
2 Claims. (Cl. 223—86)



1. In a longitudinally-adjustable garment hanger comprising a garment shoulder-receiving portion and a trouser-receiving portion, a length of tubular material, flattened at its transverse medial portion and providing a pair of downwardly diverging end portions, extending from said first-named portion and having open free extremities, a substantially V-shaped tubular portion, with the same transverse cross section throughout its length, having one end telescoping into a free extremity of one of said downwardly diverging free end portions, a second substantially V-shaped tubular portion, having a like transverse cross section along most of its length and an enlarged transverse cross at one of its ends, with said second V-shaped tubular portion in telescoping relationship with the other extremity of said downwardly diverging free ends

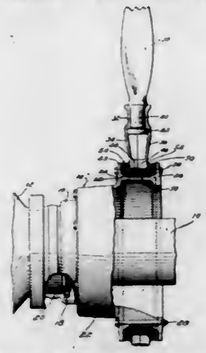
and with said first V-shaped tubular portion in telescoping relationship, at one end with the enlarged cross sectional end of said second V-shaped tubular portion, whereby both said garment shoulder-receiving portion and said trouser-receiving portion may be narrowed by telescoping said V-shaped portions and said end portions at the same time, and means for suspending said hanger, carried at the flattened transverse medial portion of said length of tubular material.

2,354,100
RADIANT HEATER
William Spencer Bowen, Westfield, N. J.
Application October 7, 1942, Serial No. 461,215
1 Claim. (Cl. 34—142)



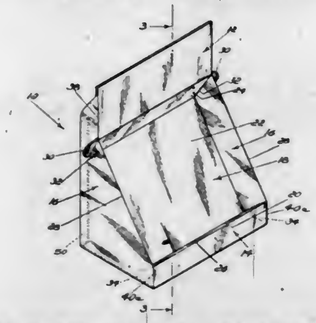
A heating mechanism comprising a cylindrical drum having an inner lining provided with longitudinally extending corrugations and a refractory outer covering, rollers for supporting said drum for rotation, driving means for rotating at least one of said rollers, a helical vane within said drum having its outer edges secured to the peaks of the corrugations, a tube secured to the vane and extending axially of said drum, an electric heating element within the tube for heating by radiation, and means for supporting said heating element in spaced relation to said tube.

2,354,101
FAN CONSTRUCTION
Claude O. Broders, East Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 7, 1942, Serial No. 453,969
9 Claims. (Cl. 170—173)



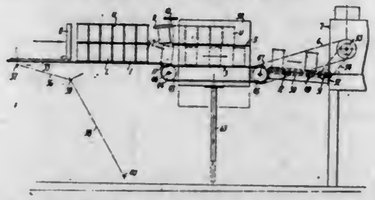
1. A fan having a hub with a circumferential channel including an outwardly directed flange, a blade supporting ring concentric with said hub and having its inner rim disposed within said channel, and a plurality of removable ring mounting units disposed in the peripheral space between said hub and said ring, each comprising an outer channel member closely receiving the inner rim of said ring, an inner channel member received closely in said hub channel and resilient means in the space between said channel members.

2,354,102
DISPLAY DEVICE
Otto Brunner, Jackson Heights, N. Y.
Application January 10, 1944, Serial No. 517,763
6 Claims. (Cl. 248—174)



1. A collapsible display device comprising a supporting frame formed of sheet material and having relatively foldable portions relatively movable to lie in flat condition when the device is collapsed or to lie in transverse planes in frame supporting relation when the device is in operative condition, said supporting frame having an opening therein, foldable means formed of sheet material, foldably connected to said frame to lie in flat condition with said frame when the device is collapsed and movable into receptacle defining relation in position in said opening when the device is in operative condition, and means for releasably retaining said frame parts in said frame supporting relation and said foldable means in receptacle-defining relation in said frame.

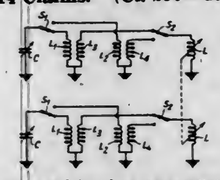
2,354,103
CAN TRANSFER APPARATUS AND METHOD
Frederick W. Butler, Oakland, Calif., assignor to Alaska Packers Association, San Francisco, Calif., a corporation of California
Application May 10, 1941, Serial No. 392,880
12 Claims. (Cl. 198—29)



1. Can transfer apparatus comprising; a substantially horizontal table; a conveyor extending from one end of said table, arranged and adapted to receive a tier of cans moved horizontally from said table onto said conveyor; means for so moving a tier of cans adapted to be positioned on said table; means actuating said conveyor for moving cans deposited thereon in direction away from said table; a generally horizontally disposed

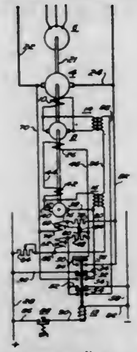
platform spaced above said conveyor arranged and adapted to receive an upper tier of cans that may be supported on a tier that is directly supported on said table when such latter tier is moved onto said conveyor carrying the upper tier therewith; means mounting said platform for downward movement; said platform being arranged and adapted to deposit cans thereon onto said conveyor when so lowered for carrying the cans so deposited away from said platform; and means for raising said platform to its original spaced relation after the cans so deposited on the conveyor therefrom have been carried away by said conveyor.

2,354,104
BAND-SPREAD TUNING CIRCUIT FOR RADIO RECEIVERS
Frank Caplin, Bournemouth, and Charles Edward Payne, Mitcham, England, assignors to Radio Corporation of America, New York, N. Y., a corporation of New York
Application June 24, 1941, Serial No. 399,436
In Great Britain July 9, 1940
14 Claims. (Cl. 250—40)



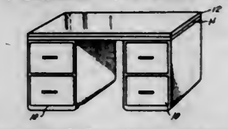
1. A band-spread tuning arrangement for radio receivers comprising a main tuning circuit having a tuning inductance, a variable band-spread inductance separate from said tuning circuit, and means for coupling said variable band-spread inductance to said tuning inductance whereby variation of said variable band-spread inductance has the effect of varying the tuning of the main tuning circuit due to the effect of said band-spread inductance on said coupling means.

2,354,105
CONTROL SYSTEM
Willard G. Cook, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 21, 1942, Serial No. 435,694
17 Claims. (Cl. 171—223)



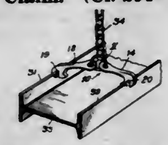
1. In a control system for a variable voltage generator, a source of potential for exciting said generator, means for adjusting the potential supplied by the said source of potential for exciting the generator, means for further varying the potential acting to excite the generator in accordance with the difference between the generator potential and the potential for which the generator is adjusted, and means for applying a potential proportionate to the generator potential to excite the generator in an opposite sense to its normal excitation when it is desired to reduce the generator potential to substantially zero value.

2,354,106
COMBINED DESK AND TABLE
Mary Kathryn Cooper, Dayton, Ohio
Application February 20, 1943, Serial No. 476,547
7 Claims. (Cl. 311—101)



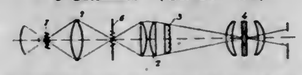
1. An article of furniture comprising a top, having upper and lower members supported one upon the other, and two pedestals having their upper ends in supporting engagement with the respective end portions of the lower member of said top, said pedestals being movable to positions adjacent the respective ends of said top or to substantially abutting positions spaced from said ends, said top being connected with said pedestals for sliding movement thereon transversely to the direction of movement of said pedestals to space the rear edge of the lower member of said top from the adjacent edges of said pedestals, and the upper member being pivotally connected with said lower member for movement into supporting engagement with the tops of said pedestals in the rear of said lower member to locate said members in the same horizontal plane.

2,354,107
BEAM CLAMP
Irving Diamond, Elizabeth, N. J.
Application July 16, 1943, Serial No. 494,965
1 Claim. (Cl. 294—78)



A beam clamp comprising a pair of arms connected by a ring, hooks on said arms, slots in said arms adapted to engage the flanges of a beam in offset relationship whereby said ring exerts a torque action on said arms.

2,354,108
COPYING APPARATUS
Leopold Flemming, Berlin-Schoneberg, Germany, assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application March 28, 1941, Serial No. 385,588
In Germany March 12, 1940
6 Claims. (Cl. 88—24)



1. In a device for projecting colored transparent positives or copying color films, a light sys-

tem for flooding the transparent positive or color film with light including a source of light, a condenser and an objective, a lenticular screen between the condenser and objective, and a striped filter within the objective and means for varying said striped filter so as to control the colors in the light with which the film is copied or projected.

2,354,109
METHOD OF FORMING SELENIUM COATINGS
Edward Alison Flood, Rockcliffe Park, Ontario, Canada, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of the Dominion of Canada
No Drawing. Application December 24, 1941, Serial No. 424,332
5 Claims. (Cl. 117—22)

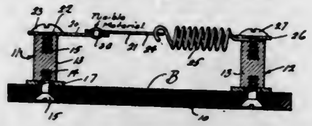
1. A method of forming continuous vitreous coatings of selenium on solid surfaces which comprises disassociating selenium in a flame of a combustible mixture to form reactive radicals and fragments and playing the cracking zone of the flame on the solid surface to be coated.

2,354,110
RESINOUS MATERIAL EMBODYING GLASS FIBERS
James G. Ford, Sharon, and Roger D. Spencer, Irwin, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 23, 1941, Serial No. 408,126
6 Claims. (Cl. 117—76)



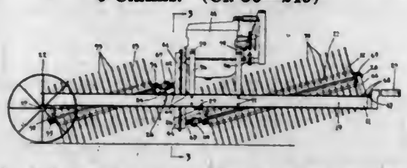
1. A composite material comprising, in combination, a heat treated, thermosetting phenol-aldehyde resin, a plurality of glass fibers distributed in the phenol-aldehyde type resin, and a tenaciously adherent coating of a thermoplastic reaction product of polyvinyl acetate and an aldehyde on the glass fibers, the coating providing for a good bond of the phenol-aldehyde type resin to the glass fibers and the thermoplastic coating permitting relative glass fiber movement whereby high strength in the composite material is obtained.

2,354,111
FIRE DETECTOR
Allen J. Gardenhour, Waynesboro, Pa.
Application December 1, 1942. Serial No. 467,521
4 Claims. (Cl. 200—142)



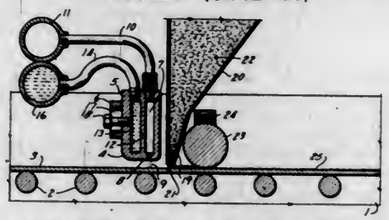
1. In a fusible switch unit for fire alarm systems the combination of a flat insulation base, a pair of upstanding detachable binding posts mounted upon said base in spaced relation, terminal clips connected by said binding posts directly upon the top of said base, a pair of links, fusible material connecting proximate ends of said links, means connecting one of said links in direct contact with the upper end of one of the binding posts, and means placing said links under tension and connecting the remote end of the other link to the other binding post in non-contacting relation therewith.

2,354,112
HARVESTER
Jonathan Garst, Palo Alto, Calif.
Application June 30, 1941, Serial No. 400,434
9 Claims. (Cl. 56—249)



1. A harvester comprising a wheel supported frame adapted to travel along the ground lengthwise of a row of plants, a pair of revoluble members carried by said frame, each member consisting of an elongated core and a plurality of thin flexible normally limp whip lashes attached thereto and distributed about and along the same, such core extending generally fore and aft of the harvester, means for rotating the core about its axis at a speed sufficient to effect the radial extension of the whip lashes by centrifugal force, the tips of the radially extended lashes lying in a surface of revolution progressively approaching the ground rearwardly thereof at its underside, the disposition of the tips of the extended whip lashes being such as to effect the engagement thereof at progressively lower elevations with appendages of said plants for flicking-off the same, said revoluble members being relatively axially disposed to take positions, one at one side and one at the other side of the medial vertical plane of the row of plants and to present their whip lashes to the plants at opposite sides thereof.

2,354,113
APPARATUS FOR COATING METALS AND SIMILAR MATERIALS
Arthur R. Gould, Kansas City, Kans.
Application February 26, 1941, Serial No. 380,715
2 Claims. (Cl. 91—18)

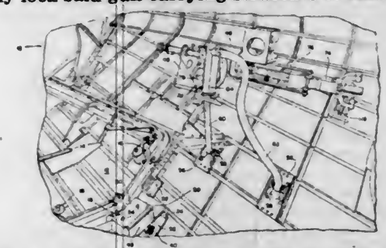


1. Apparatus for coating metal with particles of solid material including, means supporting the metal for movement in a fixed path, a plurality of jets arranged in a lateral alignment to direct a plurality of flames onto the surface of the metal, means for spreading the particles onto the heated metal, and means for pressing the particles into the metal while the surface of the metal is in plastic condition.

2,354,114
AIRCRAFT GUN INSTALLATION
Henry K. Growald, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application March 4, 1941, Serial No. 381,622
14 Claims. (Cl. 89—37.5)

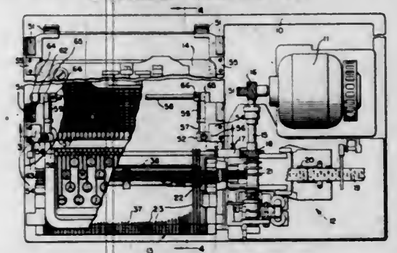
1. A retractable gun mount comprising a base member and a bodily swingable gun carrying

structure including a pivotally attached gun stirrup, means acting upon said gun stirrup to releasably lock said gun carrying structure to said base



member and alternate lock means carried by the said structure and engageable to lock said stirrup out of engagement with the base member.

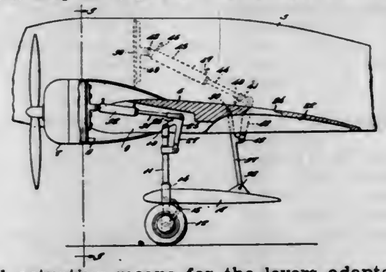
2,354,115
UNIT GUIDING AND LATCHING DEVICE
Erwin A. Gubisch, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application January 25, 1943, Serial No. 473,509
6 Claims. (Cl. 178—80)



4. In combination, a signal determining means, a series of key actuated devices for operating said means, coupling instrumentalities associated with said said devices, a translating mechanism comprising a tape sensing device, a selecting device controlled by said tape sensing device, a series of selectable members corresponding to said series of devices, said members having bifurcated ends conformed for ready reception of said instrumentalities, means for facilitating the couplement of said instrumentalities and said members, and means for automatically locking said signal determining means and said translating mechanism in coupled relation.

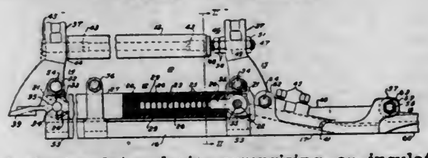
2,354,116
AUXILIARY WING AND WHEEL RETRACTING MECHANISM FOR AIRPLANES
James Laddie Hajek, Jr., Cleveland, Ohio
Application April 8, 1942, Serial No. 438,176
1 Claim. (Cl. 244—102)

An airplane comprising a main wing having a recess in its underside, a pair of landing wheel struts pivoted at their upper ends to said main wing, said struts having wheels journaled at their lower ends and said struts and wheels being movable into and out of retracted position in said recess, stub shafts projecting laterally from the struts an auxiliary wing, means pivotally attaching the ends of the auxiliary wing to the respective stub shafts of the struts, a strut pivotally connecting the auxiliary wing to the main wing, bellcrank levers each having an end pivoted to the main wing at the respective pivots for the wheels and wing struts and another end pivoted to the respective struts intermediate their ends,



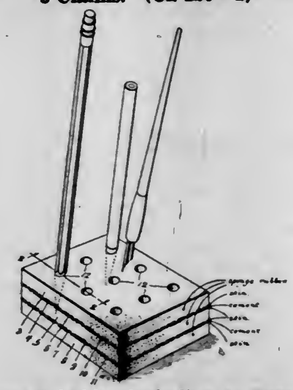
and actuating means for the levers adapted to move the wheel struts and the auxiliary wing into and out of retracted position in the recess.

2,354,117
INSULATOR DEVICE
Raymond P. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1941, Serial No. 388,584
5 Claims. (Cl. 191—39)



1. An insulator device comprising, an insulating tension member, an end member having an upwardly projecting arm portion, a transverse pin member positioned in the end member operable to provide a hinged connection between the tension member and the end member, an insulating compression member associated with the arm portion in spaced relation to the tension member, a runner member positioned beneath the tension member, and a substantially U-shaped retaining means for the runner member positioned about and operable to retain the pin member.

2,354,118
PENCIL HOLDER
Richard B. Hansen, Akron, Ohio
Application November 20, 1943. Serial No. 511,124
3 Claims. (Cl. 120—1)



1. A pencil holder including an upper sponge rubber slab, a second sponge rubber slab under

said upper slab, and a relatively stiff rubber web between and unitarily united with said sponge rubber slabs, said sponge rubber slabs and said relatively stiff rubber web having alined openings into which to wedge the pointed end of a pencil.

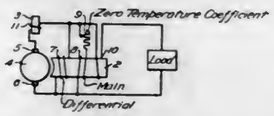
2,354,119

TEMPERATURE-COMPENSATED DYNAMO-ELECTRIC MACHINE

William R. Harding, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 21, 1942, Serial No. 443,860

8 Claims. (Cl. 171—223)



1. A dynamo-electric machine having a differential exciting field winding and a main exciting field winding, said exciting field windings being of a conductor having a substantial temperature coefficient of resistance, a resistor connected in series with the main winding, said resistor having a small temperature coefficient of resistance, and a common-voltage energizing-means for both of said exciting field windings.

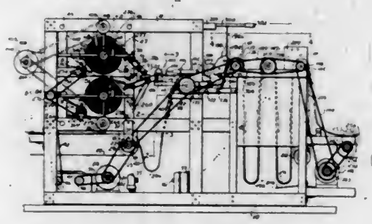
2,354,120

APPARATUS FOR ASSEMBLING SHEET MATERIAL

Urban C. Haren, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application October 15, 1941, Serial No. 415,063

4 Claims. (Cl. 154—1)



1. Apparatus for assembling adherent unvulcanized sheet material, said apparatus comprising means for guiding a strip of adhesive material to an assembling station, a supply of unvulcanized extensible sheet material interwound with a liner and liner rewinding means therefor adjustable in a direction lateral of the path of travel of the strip, means located between said supply and the assembling station and responsive to lateral shifting of the sheet material for automatically controlling the adjusting movement of said supply and rewinding means to align a sheet of material delivered therefrom with said strip at the assembling station, and means at the assembling station for pressing said sheet into engagement with said strip.

2,354,121

MATRIX FILM FOR THE PRODUCTION OF COLORED COPIES

Gerd Heymer, Wolfen, Kreis Bitterfeld, Germany, assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 14, 1940, Serial No. 356,835. In Germany May 5, 1939

6 Claims. (Cl. 95—2)

1. A process of producing colored copies on matrix film which comprises exposing three matrix films each comprising an emulsion carrier and a single photographic emulsion layer thereon which is panchromatically sensitized and contains a readily removable from gray to black filter dyestuff to the different primary color lights proceeding directly from three-color separation originals and processing the exposed films in the manner usual with matrix film.

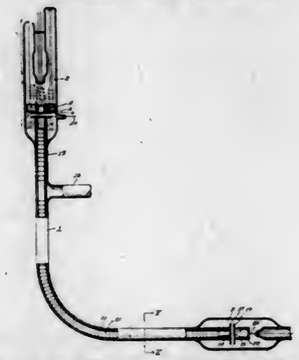
2,354,122

VACUUM TUBE

John A. Hipple, Jr., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 17, 1942, Serial No. 439,345

3 Claims. (Cl. 250—27.5)



1. A vacuum tube comprising a wall portion of insulating material in the form of a cylinder and a metallic lining for said wall portion comprising a flexible metal strap having fastened thereon a series of overlapping metal scales.

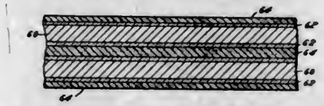
2,354,123

INSULATION FOR SILICON IRONS

Clifford C. Horstman, Sharpsville, and Weldon H. Brandt, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 16, 1941, Serial No. 407,200

8 Claims. (Cl. 148—7)



1. The method of treating sheets of silicon-iron to product an electrically insulating film on the surfaces of the sheets during an annealing process to develop grain orientation, which comprises, in combination, preoxidizing the sheets to produce a thin blue temper film of oxide on the surfaces of the sheets, coating the sheets with magnesium oxide and silica capable of chemically reacting with the oxide temper film at annealing temperatures, stacking a plurality of the coated, preoxidized sheets and heat-treating the stacked sheets at a temperature of from 1150° C. to 1300° C. in a reducing atmosphere comprising hydrogen gas for a period of time sufficient to develop grain orientation and to provide for the chemical reaction of the oxide and the magnesium oxide coating at the surfaces of the sheets to form an electrically insulated film which adheres tenaciously to the sheets.

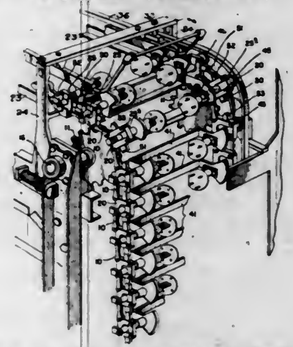
2,354,124

LOCKING CHAIN LINKS

Thomas R. James, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware

Application November 16, 1942, Serial No. 465,730

6 Claims. (Cl. 198—131)



1. In a machine, a conveyor chain having a series of hinged links, blocks carried by alternate links of the chain and having interengaging fingers extending forward and backward from each link and engaging complementary fingers of adjacent blocks for operably connecting the blocks in each chain, each block being held by the adjacent links at each side to prevent them from rotating relative to each other when the chain links are in a straight line but permitting the blocks to separate when the chain passes around a sprocket.

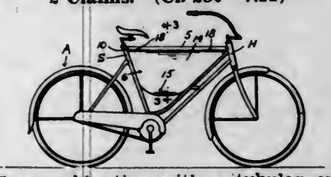
2,354,125

BICYCLE

Albert C. Johnston, Waco, Tex.

Application September 11, 1942, Serial No. 458,008

2 Claims. (Cl. 280—7.11)



2. The combination with a tubular cross-bar for ladies' bicycles having one end open and a slot formed in its lower side extending from said open end toward its opposite end, a receptacle formed of opposed hinged sections having a portion of each section removably inserted in the aforesaid slot, oppositely extending flanges formed on those portions of the receptacles disposed in the slot resting on the inner lower wall of the cross-bar, and attaching means removably securing the cross-bar to the bicycle.

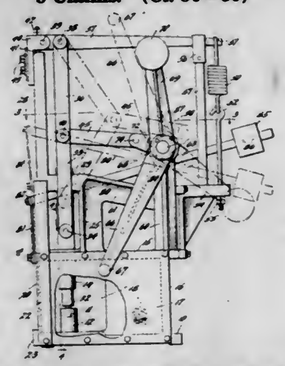
2,354,126

TOGGLE PRESS

John F. Johnson, Sr., North East, Md., assignor to Triumph Explosives, Inc., Elkton, Md., a corporation of Maryland

Application April 21, 1942, Serial No. 439,941

8 Claims. (Cl. 86—30)



1. In a press for compacting explosive materials, in combination, a base, an explosive proof chamber on said base, a frame extending upwardly from the base and providing a vertical guideway, a pressure exerting plunger reciprocable in said way and penetrating said chamber to cooperate with work resting on said base, a lever pivoted to said frame at a point just forward of the axis of reciprocation of said plunger, a support on said frame having a forked upper end to receive the opposite end of the lever and support the same horizontally, a spring engaging the free end of the lever and adjustable to tension said lever end into said fork, a pair of hinged toggle links, one having its lower end pivoted to said plunger and the other having its upper end pivoted to said lever at the intersection of the plunger axis therewith, a link pivoted to said toggle hinge and extending generally horizontally, a shaft journaled in frame parts on a horizontal axis transverse to that of said link, a crank on said shaft having a crank pin engaging said link, a hand crank on said shaft adapted to move outside of said frame, and a counterweight attached to said shaft and angularly positioned thereon to normally hold the same in toggle breaking position whereby the plunger is raised.

2,354,127

ATMOSPHERE HEAT-TREATING FURNACE

Albert Krauscope, Jeannette, and Gerhard P. Lessmann, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 7, 1941, Serial No. 396,996

3 Claims. (Cl. 20—68)



1. A sealing means adapted to bar the leakage of gas through the joint between a furnace-door and the door-seat of a furnace, comprising a heat-resistant elongated trough-member; a compressible and flexible stack of heat-resistant and heat-insulating material restrictably movable in said trough-member; means comprising

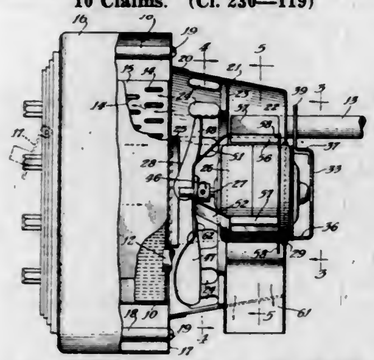
a plurality of spaced spring-means between the bottom of said trough-member and said stack for pressing said stack outwardly at a plurality of points; and a flexible sheet-metal means comprising discrete side-prongs for engaging the sides of said stack and of said trough-member and comprising a contact-portion on the outer side of said stack between the said sides thereof; said stack being of such height as to extend beyond side-edges of said trough-member and to seal the spaces between said side-prongs in sealing positions of said sealing means.

2,354,128

FAN FOR HEAT EXCHANGE DEVICES

Donald W. Lake, Downers Grove, and Jack Briskin, Chicago, Ill., assignors to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware

Application June 29, 1942, Serial No. 448,884
10 Claims. (Cl. 230—119)



1. In a fan structure for a heat exchange device, the combination of a propeller fan member formed of sheet metal comprising a plurality of obliquely positioned blades formed integrally with each other and extending radially in spaced relation adapted upon rotation of the fan member to drive a stream of air axially therefrom, arms formed integrally with said radially positioned blades between each two adjacent blades and extending rearwardly from said blades, and paddles on said arms formed integrally with the arms in position to force air outwardly by centrifugal action upon rotation of said fan member.

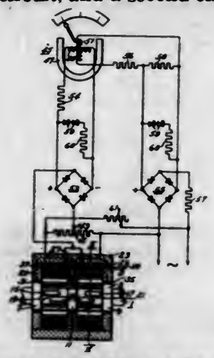
2,354,129

STRAIN MEASURING SYSTEM

Bernard F. Langer, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 19, 1942, Serial No. 466,147
10 Claims. (Cl. 265—25)

1. A system for measuring the deflections of a member subject to a stress comprising, in combination, a Wheatstone bridge circuit, at least one electrical coil included as one leg in said bridge circuit, a source of alternating current for energizing said bridge circuit, means in flux linkage with said electrical coil adapted to vary a voltage in said electrical coil in an amount corresponding to the deflections of said member, a meter comprising a first and a second internal circuit providing an indication corresponding to the opposed effects produced by the currents in said internal circuits, a first circuit including a rectifier network having a substantially linear resistance characteristic interconnecting said first internal circuit of said meter with the output terminals of said bridge circuit, and a second circuit including



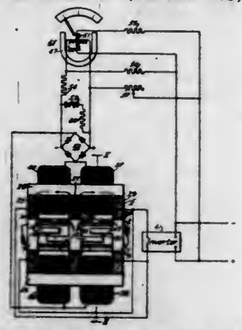
a rectifier network having a substantially linear resistance characteristic interconnecting said second internal circuit of said meter with said source of alternating current.

2,354,130

STRAIN MEASURING SYSTEM

Bernard F. Langer, Pittsburgh, and Thomas E. Browne, Jr., Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 19, 1942, Serial No. 466,149
11 Claims. (Cl. 265—25)



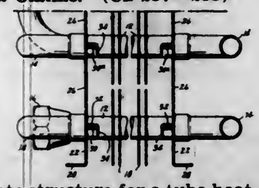
1. A system for measuring the deflections of a member subject to a stress comprising, in combination, electrical coil means, a source of direct potential, conversion means for converting said direct-potential to an alternating potential for energizing said electrical coil means, means in flux linkage with said electrical coil means adapted to vary a voltage in said electrical coil means in an amount indicative of the deflections of said member, a meter comprising a first and a second internal circuit providing an indication corresponding to the opposed effects produced by the currents in said internal circuits, a first circuit including a rectifier network interconnecting said first internal circuit of said meter with said electrical coil means whereby said first internal circuit of said meter has applied thereacross a voltage corresponding to a change in voltage in said electrical coil means, a second circuit interconnecting said second internal circuit of said meter with said source of direct potential, said rectifier network in said first circuit comprising a bridge rectifier and a shunting circuit across the output terminals thereof including a plurality of rectifier elements and resistance means in series therewith, said shunting circuit having a characteristic of compensating for resistance variations with current variations in said bridge rectifier.

2,354,131

REFRIGERATING APPARATUS

Lester U. Larkin, Chicago, Ill., assignor to Lul Products, Inc., Baltimore, Md., a corporation of Maryland

Original application March 19, 1938, Serial No. 196,881. Divided and this application August 28, 1941, Serial No. 408,564
2 Claims. (Cl. 257—255)



1. End plate structure for a tube heat exchanger including a plurality of sections having edges meeting along the center lines of the tubes, the edge of one section being formed with a U-shaped flange having spaced apertures, and the adjacent edge of an adjacent section being formed with a flange adapted to be received within said U-shaped flange and with projections adapted to extend through said apertures.

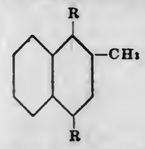
2,354,132

THERAPEUTIC PRODUCT AND PROCESS FOR THE MANUFACTURE OF THE SAME

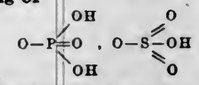
John Lee, Nutley, and Ulrich V. Solmssen, Clifton, N. J., assignors to Hoffmann-La Roche, Incorporated, Nutley, N. J., a corporation of New Jersey

No Drawing. Application June 26, 1940, Serial No. 342,566
4 Claims. (Cl. 260—457)

3. A package comprising a glass container containing a solution of the salt of the structure:



wherein R is a radical selected from the group consisting of



and stabilized by the addition of a salt of a quadrivalent sulfur-containing acid capable of yielding SO_2 with HCl.

2,354,133

PROCESS FOR PRODUCING ALUMINA FROM CLAY

Sanford C. Lyons, Bennington, Vt., assignor to Georgia Kaolin Company, Elizabeth, N. J., a corporation of Georgia

No Drawing. Application May 22, 1943, Serial No. 488,089
9 Claims. (Cl. 23—141)

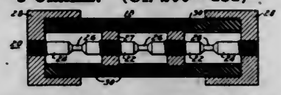
1. The method of obtaining alumina from clay, which consists in digesting the clay with hot sulphuric acid, separating the solution of salts so obtained from the insoluble siliceous residue, adding ammonium sulphate to said solution to form double sulphates, adding sodium hyposulphite to the solution of double sulphates and thereby precipitating the salts of certain impurities, separating the insoluble precipitate from the solution, separating aluminum ammonium sulphate from compounds of iron by differential crystallization, and calcining the separater alum crystals to drive off ammonium sulphate and sulphuric anhydride.

2,354,134

CIRCUIT INTERRUPTER

Leon R. Ludwig and Paul O. Langguth, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 5, 1941, Serial No. 417,906
5 Claims. (Cl. 200—131)



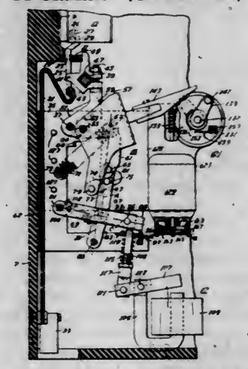
3. In a circuit interrupter, a tubular enclosure having end walls, spaced terminals for said enclosure, conducting means in said enclosure connected between said terminals, said conducting means including fusible portions spaced along said enclosure, at least one partition wall in said enclosure mounted on said conducting means intermediate said fusible portions, and spacer means positioned in said enclosure in the spaces between said walls for preventing movement of said partition wall after fusion of said fusible portions.

2,354,135

MOTOR OPERATED CIRCUIT BREAKER

John W. May, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

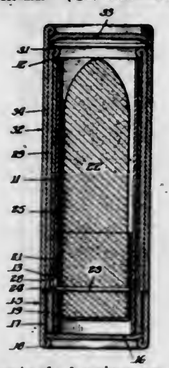
Application May 1, 1941, Serial No. 391,243
11 Claims. (Cl. 200—89)



1. A circuit breaker having relatively movable contacts, operating mechanism therefor comprising spring means for applying a force to open said contacts, an operating lever pivoted on a fixed support for closing said contacts, a rotatable crank arm disconnected from said lever for engaging and moving said lever to close said contacts, means comprising an electric motor for rotating said crank arm through a cycle to close said contacts and stop the crank arm in a posi-

tion clear of said lever, said operating lever also being manually operable to close said contacts, means for holding said contacts in fully closed position independently of said operating lever against the force of said spring means, means movable from a normal position to a tripped position to cause opening of said contacts irrespective of the position of said operating lever, means for automatically resetting said movable means and said holding means following a tripping operation and a trip device operable to cause movement of said movable means to tripped position.

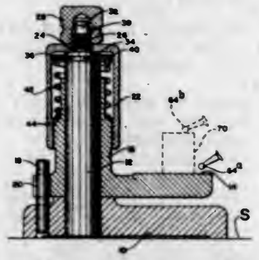
2,354,136
STICK RECEPTACLE
Richard M. Morey, Chicago, Ill., assignor to W. C. Ritchie and Company, Chicago, Ill., a corporation of Illinois
Application November 21, 1941, Serial No. 419,863
1 Claim. (Cl. 206—56)



In a stick-receptacle having an outer cylindrical tube, a cylindrical liner inside of said tube having a spiral slot therethrough, a cylindrical tube inside of said liner having a slot terminating short of both ends of the tube, a flanged cap closing and rigid with the lower end of said slotted tube and located below the corresponding end of said outer tube whereby it is accessible for manual turning of the inner tube, a cylindrical holder for the lower end of the stick slidable spirally in said inner tube, said holder having a projection occupying the slots of said inner tube and of said liner, whereby turning of said inner tube relative to said outer tube propels said holder in either direction to render its stick accessible for use or protected in said receptacle, the novel combination of features being that said liner and said inner tube are both of fibrous material, that said liner is adhered to said outer tube, that the slot of said inner tube is oblique to the axis of such tube in lesser degree than that of the slot of said liner and in a direction the reverse of the obliquity of the slot of said liner, that the slotted tube inside of said liner has a closed slit from the lower end of the slot to the corresponding end of said inner tube and that said slit of such inner tube is covered by the flange of said cap.

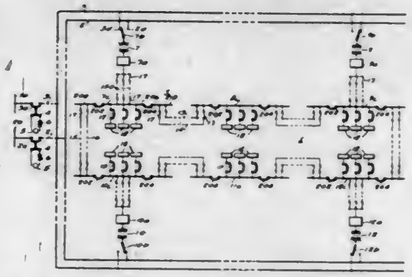
2,354,137
HEIGHT GAUGE
Lawrence V. Nystrom, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application July 10, 1943, Serial No. 494,432
4 Claims. (Cl. 33—170)

1. A height gauge having a base, a standard rising from the base, a platform having a sleeve slidably mounted on the standard, means for preventing rotation of the platform with respect to the standard, a nut rotatably mounted on said standard and having a screw-threaded connection with said sleeve, means for locking the nut in any adjusted position, the top surface of the



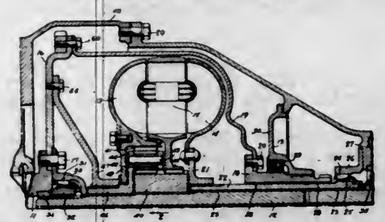
base and the bottom surface of the platform being parallel for all adjusted positions, and a single spring acting between the sleeve and the standard for preventing backlash between the nut and sleeve and for holding the nut firmly down against the upper end of the standard.

2,354,138
ELECTRICAL DISTRIBUTION SYSTEM
John S. Parsons, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 10, 1942, Serial No. 446,447
23 Claims. (Cl. 171—97)



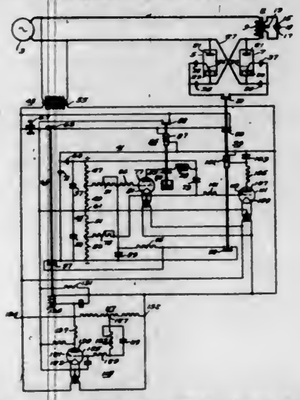
23. In an electrical distribution system, a plurality of buses each having a load section and a pair of terminal sections, a separate load-break switch for connecting each of said terminal sections to its associated load section, a group of connecting circuits extending between each pair of said buses to form therewith a loop circuit, each end of each of said groups of connecting circuits being connected to a separate terminal section of the associated buses, whereby each of said groups of connecting circuits may be disconnected from the remainder of said loop circuit by operation of a pair of said load-break switches, current responsive disconnecting means at each end of each of said connecting circuits for disconnecting a faulty connecting circuit from its associated load buses, a plurality of sources of electrical energy, and means connecting each of said sources of electrical energy to the load sections of certain of said buses, said last-named means including switch means operable for selectively connecting each of the associated load sections to either of a pair of said sources of electrical energy.

2,354,139
DRIVE MECHANISM
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 19, 1941, Serial No. 423,654
4 Claims. (Cl. 74—189.5)



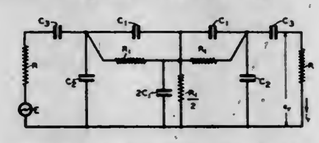
1. In a transmission, a driving shaft, a driven shaft, a torque converter having an impeller, a stator, and a driven member between the impeller and the stator, a sleeve extension on the stator mounted on the driven shaft, a sun gear fixed on the driven shaft interiorly of the impeller and the driven member, said driven member being splined on the sun gear, a ring gear on an interior portion of the impeller, planet gears meshing with the ring gear and the sun gear, a carrier for the planet gears having a sleeve projecting beyond the impeller and rotatably mounted on the driven shaft, and a driving connection from the driving shaft to the carrier sleeve.

2,354,140
ELECTRONIC CONTROL SYSTEM
Robert W. Pearson, Wilkinsburg, and Donald P. Faulk, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 14, 1942, Serial No. 442,939
1 Claim. (Cl. 250—27)



For use in supplying power from a source of alternating current to a load, the combination comprising an electric discharge valve of the arc-like type interposed between said source and load, a control circuit for said valve including a normally charged capacitor, said control circuit being effective to render said valve conductive in each positive half period of the source only while the potential of said capacitor has a certain relative magnitude with respect to a preselected value, a discharge circuit for said capacitor comprising an inductive reactance and a second electric discharge valve of the arc-like type connected in series across said capacitor, means for rendering said second valve conductive to discharge said capacitor, means for thereafter recharging said capacitor comprising a second source of potential and an impedance connected in series across said capacitor, said impedance means, potential source and capacitor being of such dimensions that the discharging rate of said capacitor would be equalled by the charging rate before the capacitor potential decreased below the arc-drop of said device if said reactance were replaced by a resistor of such dimensions as to prevent an excessive crest current through said device, whereby the capacitor potential rises above said preselected value in a time interval of the order of 1 to 4 half-periods of said first source after said second valve is rendered conductive, timing means for effecting re-operation of said means for rendering the valve conductive after a predetermined time delay, and means controlled by said first valve for initiating operation of said timing means when said capacitor potential rises above said preselected value.

2,354,141
UNIVERSAL RESISTANCE CAPACITANCE FILTER
Ellison S. Purington, Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 26, 1942, Serial No. 456,286
7 Claims. (Cl. 178—44)



5. A resistor-capacitor filter network comprising input and output terminating resistors, a plurality of condensers of values C_3, C_1, C_1 and C_3 series-connected between said resistors, a pair of resistors of equal value R_1 connected in shunt to the condensers of equal value C_1, a condenser of value $2C_1$ having one terminal connected to the common terminal between the resistors of equal value R_1, a condenser of value C_2 connected to each of the other terminals of the resistors of equal value R_1, and a resistor of value

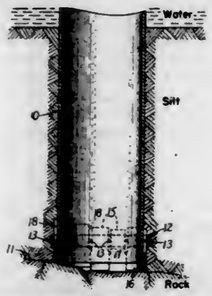
$$\frac{R_1}{2}$$

having one terminal connected to the common terminal of the condensers of equal value C_1.

2,354,142
SELF-ADJUSTING SEALING EDGE FOR INSTALLATION OF PIERS
Alonzo D. Quinn, Garden City, N. Y., assignor to Moran, Proctor, Freeman & Mueser, New York, N. Y., a partnership
Application April 20, 1942, Serial No. 439,662
3 Claims. (Cl. 61—52)

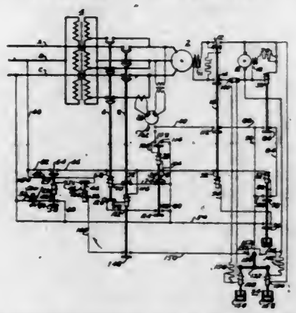
1. A pier mold, one end of said mold being enveloped by a sleeve, said sleeve comprising a series of relatively slidable plates, said plates being maintained in position by a strap, and means cooperating with said strap and said mold providing for adjustment of the slidability of said plates in accordance with the type of bottom upon which the pier is to be erected, whereby the mold may be lowered against an uneven, hard

bottom stratum with said plates sliding with respect to the mold as they come into engagement with said hard stratum but whereby the resist-



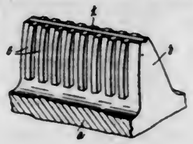
ance to sliding between said plates and the mold may be made sufficiently great that silt, etc., overlying said hard stratum will not cause sliding of said plates as the mold is lowered.

2,354,143
CONTROL SYSTEM
Maurice E. Reagan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 12, 1942, Serial No. 454,534
3 Claims. (Cl. 172—289)



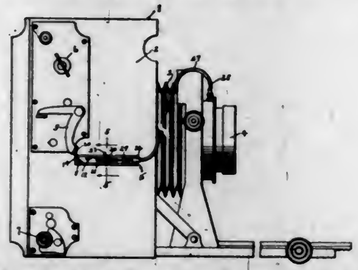
1. In a control system for a synchronous condenser having a field excitation winding, an exciter for the condenser driven in accordance with the speed thereof, a starting breaker operable to connect the condenser to a source of reduced starting voltage, a master relay initially operable to effect closure of the starting breaker, a circuit for controlling the operation of the master relay, said circuit including normally closed contact members of a lockout relay operable to deenergize the master relay, circuit control means including a field switch operable to connect the field excitation winding to the exciter in response to a predetermined increase in the output potential of the exciter, a running breaker operable to connect the condenser to a source of running voltage, said running breaker having contact means for effecting the opening of the starting breaker in response to the closure of the running breaker, a relay responsive to the power factor of the condenser during the starting period for effecting closure of the running breaker subsequent to the closure of the field switch, a differential relay jointly responsive to the field excitation current and the output potential of the exciter and operable in response to a predetermined variation in the proportionality between said output potential and excitation current to energize the lockout relay to deenergize the master relay and effect the opening of the running breaker, and contact means actuated by the running breaker for rendering the differential relay effective to energize the lockout relay only during the time the running breaker is closed.

2,354,144
SHAVING TOOL WITH INSERTED CUTTING BLADES AND METHOD OF MAKING SAME
Walter F. Ross, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application January 11, 1941, Serial No. 374,097
11 Claims. (Cl. 76—101)



8. The method of making an inserted-blade gear finishing tool which consists in cutting teeth in one boundary of a tool body having a central hole, slotting said teeth transversely between their ends from their crests toward their roots, grooving the crests of the teeth lengthwise, placing in the slots so made blades of greater width than the teeth so that the opposite side boundaries of the blades protrude laterally from the slots, passing and securing a binder around a tooth and the contiguous part of the body lengthwise of the tooth, in the crest groove thereof and across the inserted blades, to hold the blades in place prior to their permanent union, and then uniting the blades permanently to the flanking portions of the tooth substance by fused surface bonding.

2,354,145
LENS CAPPING MECHANISM
Walter O. Runcie, Lima, Peru, assignor of twenty-five per cent to Harold L. Price, Alexandria, Va.
Application August 16, 1941, Serial No. 407,192
8 Claims. (Cl. 95—53)



1. In combination with a camera having a focal plane release lever and lens shutter release mechanism, means for inter-connecting the focal plane shutter release lever and the lens shutter release mechanism for dual operation, said means including a dual release slide operatively connected with the shutter release lever and lens shutter releasing mechanism, and means slidably mounting the dual release slide on the camera.

2,354,146
SOFTENING OF WATER AND THE FLOCCULATION OF SUSPENDED SOLIDS IN AQUEOUS LIQUIDS
John Oswald Samuel, Swansea, Wales, assignor to Unifloc Reagents Limited, Swansea, Wales, a British company
No Drawing. Original application February 20, 1940, Serial No. 319,983. Divided and this application February 28, 1941, Serial No. 381,002. In Great Britain February 23, 1939
13 Claims. (Cl. 210—23)

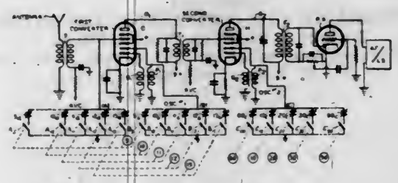
1. A process for the softening of water and the flocculation of solids suspended therein which process comprises adding to the water to be treated an amount equal to 0.5 to 4 lbs. per 1,000 gallons of the said water of an alkali as herein defined and mixing with the water 0.1 to 1 lb. per 1,000 gallons of the said water of a reagent produced by reacting together substantially equal amounts of aluminum sulphate ($Al_2(SO_4)_3.12H_2O$) and an alkali metal hydroxide at a temperature not exceeding 140° C. and adding starch to the reaction mixture at a temperature not below room temperature and not exceeding 140° C. and removing the precipitate from the water.

2,354,147
STEEL
Howard Scott, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 14, 1942, Serial No. 426,686
4 Claims. (Cl. 75—124)

1. A steel comprising from 0.80% to 1.20% of carbon, from 0.15% to 1.00% of manganese, not more than 0.15% of nickel, from 0.05% to 1.50% of chromium, from 0.01% to 0.50% of metal selected from the group consisting of aluminum and vanadium, from 0.50% to 5.00% of molybdenum, from 0.50% to 3.50% of silicon and the balance iron, the silicon and molybdenum being present in accordance with the formula:

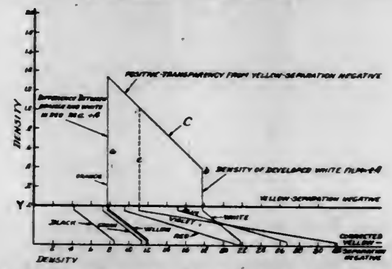
% silicon+0.7 (% molybdenum)=3.0% to 5.5%

2,354,148
PUSH-BUTTON TUNER FOR RADIO RECEIVERS
Hubert R. Shaw, Drexel Hill, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application September 15, 1942, Serial No. 458,346
11 Claims. (Cl. 250—40)



1. The method of operating a radio receiver to select any 10 kc. carrier modulated channel within a given band of signal modulated radio carrier frequencies, which consists in receiving a narrow band of said frequencies which contains a plurality of 10 kc. channels including the desired channel, mixing said band of frequencies with a locally produced frequency to produce a narrow band of intermediate frequencies, which latter band is the same for any selected 10 kc. channel in the given band of frequencies, mixing said band of intermediate frequencies with a second locally produced frequency to produce a second narrow band of intermediate frequencies, which second band is the same for certain groups of 10 kc. channels and different for certain other 10 kc. channel groups, and selecting from said second band of frequencies a single frequency which contains the signal modulations of the desired 10 kc. channel.

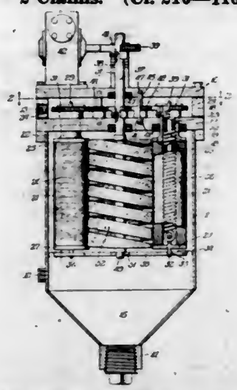
2,354,149
CORRECTION OF COLOR-SEPARATION NEGATIVES
Benjamin L. Sites, Chicago, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 12, 1941, Serial No. 410,520
3 Claims. (Cl. 95—5.1)



1. In the process of making a photographic-transparency protective-overlay through a first designated-color separation-negative of a multi-color subject for use with a second different designated-color separation-negative of the same subject, said first separation-negative including a group of separated-colors each incorporating said first separation-negative designated-color, said second separation-negative including a group of separated-colors each incorporating said second separation-negative designated-color, said subject having areas of different colors including (1) White and (2) the blended-color which would be produced by a combination of the designated colors of said two separation-negatives, the novel combination of steps, in any operative order, of : (*a*) determining in said first separation-negative said White-area density, (*b*) determining in said first separation-negative said blended-color area density, (*c*) determining in said second separation-negative said White-area density, (*d*) determining in said second separation-negative said blended-color area density, (*e*) preliminarily determining the density-gradient of the photographic-overlay to be produced through said first separation-negative for use with said second separation-negative, said density-gradient being the ratio of the density-range of said blended-color in said second separation-negative to the density-range of said blended-color in said first separation-negative, said gradient including as the density of said blended-color area the sum of the density-range of said blended-color in said second separation-negative and the developed White-area density, if any, in the overlay to be produced, (*f*) exposing a light-sensitive photographic-medium of known properties through said first separation-negative and developing and fixing said exposed medium to produce a photographic-overlay having said preliminarily-determined density-gradient and

having its said blended-color area density such that when combined with said blended-color area density of said second separation-negative their combined blended-color area densities will at least equal the combined White-area densities in said second separation-negative and overlay.

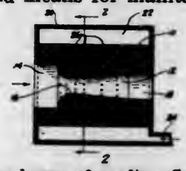
2,354,150
CLEANABLE FILTER
Ralph L. Skinner, Birmingham, Mich.
Application September 13, 1941, Serial No. 410,755
2 Claims. (Cl. 210—118)



1. In a filter having a casing, a plurality of cylindrical filter-packs of the same diameter in said casing with their axes arranged in a circle and parallel to one another, each said filter-pack including a group of apertured discs, means to hold said discs of each filter-pack together in face-to-face relation with their apertures in register forming an internal passage in the pack, an inlet to admit the fluid to be filtered into said casing outside of said filter-packs, an outlet from said casing communicating with said filter-pack passages for delivery of the filtered fluid from the filter, the filtration occurring through the shallow spaces between said discs, the novel combination of mountings for said packs permitting the packs to rotate on their axes, a round brush of greater diameter than that of said filter-packs having its axis coincident with the center of said circle and parallel to the axes of said filter-packs, a mounting for said brush permitting the brush to rotate about its said axis, the bristles of said brush being arranged in spiral form about said brush axis and engaging the surfaces of said filter-packs, and means to simultaneously rotate said brush and said filter-packs, whereby the brush during such rotation removes the foreign matter from the external surfaces of said filter-packs at least in part longitudinally of the latter.

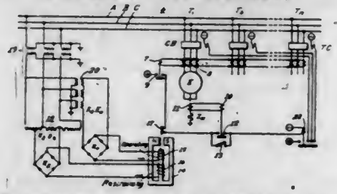
2,354,151
FLUID NOZZLE
Victor J. Skoglund, San Diego, Calif., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 16, 1942, Serial No. 439,167
2 Claims. (Cl. 60—35.6)

1. A heat resistant expansion nozzle for producing a fluid jet from a source of hot gas under pressure comprising a block of refractory material having a smooth walled gas expanding bore therein, said bore having a convergent inlet portion and a restricted throat portion smoothly merging into each other to form a laminar flow gas expanding bore, and means for protecting the walls of said bore from the effects of heat and erosion by said hot gas including, a cooling chamber around said block, means for introducing a cooling fluid into said chamber under a pressure higher than the pressure of the hot gas passing through said converging inlet portion of said bore, and means for maintaining a cooling



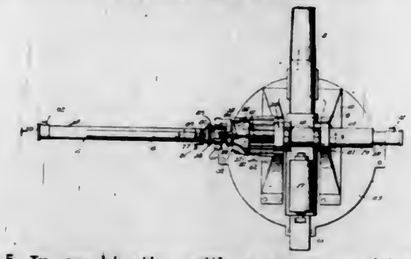
and insulating layer of cooling fluid between said hot gas and the walls of said bore comprising restricted passages extending generally radially from both the convergent and the throat portions of said bore to said chamber, said restricted passages being of greater length and consequently greater flow restriction at said throat portion than at said convergent portion.

2,354,152
SINGLE-GROUND-FAULT-DETECTING RELAY
William K. Sonnemann, Roselle Park, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 30, 1942, Serial No. 445,255
27 Claims. (Cl. 175—294)



1. The combination, with a three-phase apparatus, of means for deriving, from the apparatus, a first relaying-quantity which is selectively responsive to a negative-sequence electrical quantity of the apparatus at the relaying-point, means for deriving, from the apparatus, a second relaying-quantity which is selectively responsive to a zero-sequence electrical quantity of the apparatus at the same relaying-point, and relaying-means for differentially comparing the magnitudes of said two relaying quantities.

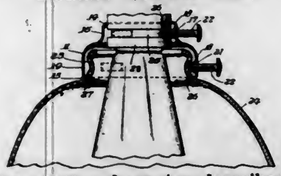
2,354,153
AUTOMATIC GUN-POINTING MECHANISM
Dwight J. Stebbins, Morris, Minn.
Application September 19, 1941, Serial No. 411,456
7 Claims. (Cl. 89—41)



5. In combination with a gun comprising a

supporting structure provided with a bearing, a barrel, and a tubular element connected to, and extending transversely of, the barrel, journalled in the bearing, and serving to support the barrel so that it is tiltable vertically into different angular positions, an elongated adjustable range finder extending through, and rotatably mounted in, said tubular element.

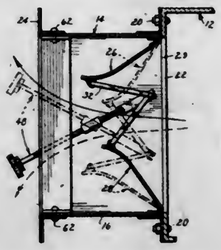
2,354,154
SHADE HOLDER
Clarence L. Steber, Oak Park, Ill.
Application April 3, 1943, Serial No. 481,726
1 Claim. (Cl. 240—128)



A device of the character described comprising a unitary, generally bell-shaped, resilient tubular holder having opposed, open ends of different diameter, a tapered neck portion adjacent the end of smaller diameter having a plurality of circumferentially spaced, in-struck portions and a lateral opening in spaced relation with said in-struck portions, said neck portion being adapted to receive an electric socket member provided with a circumferential groove adapted to receive said in-struck portions, and a threaded member adapted to engage said neck portion through said lateral opening and to engage said socket member in said groove and operable to cooperate with said in-struck portions to secure said holder to said socket member, said holder also having a generally cylindrical portion adjacent its end of larger diameter, said cylindrical portion being adapted to receive the neck of a shade and having a plurality of circumferentially spaced in-struck portions and a lateral opening in spaced relation with said in-struck portions, and a threaded member adapted to engage said cylindrical portion through said lateral opening and operable to cooperate with said in-struck portions to secure said holder upon the neck of said shade, whereby the holder may be secured to or detached from the socket member by the manipulation of a single threaded member, and whereby the lamp shade may be secured to or detached from the shade holder by the manipulation of a single threaded member.

2,354,155
OUTLET DEVICE FOR AIR-CONDITIONING SYSTEMS
Edwin Sternberg, New York, N. Y.
Application December 29, 1941, Serial No. 424,688
5 Claims. (Cl. 98—40)

1. An outlet for an air duct of an air conditioning system, comprising a casing having an inlet opening and an outlet opening, a nozzle comprising a pair of vanes for controlling said inlet opening and for directing air through said outlet, means mounting said vanes for pivotal movement, said vanes being movable on their respective pivots from positions in which they cover said opening to positions in which they uncover said opening and to a plurality of intermediate positions for regulating the size of said opening, each of said vanes extending radially from its pivot toward the companion vane and terminating in a free end spaced radially from said pivot, the free ends of said vanes being adjacent each other when the companion vanes are in said covering positions thereof, and being spaced from each other in said uncovering and intermediate positions of said vanes, means connected to said vanes between their pivots and their free ends for mov-



ing said vanes on said pivots for covering and uncovering said opening, and means for moving said vanes on their pivots in the same direction relative to each other to adjust the air-flow directing positions of said vanes when said vanes are in said uncovering and intermediate positions thereof.

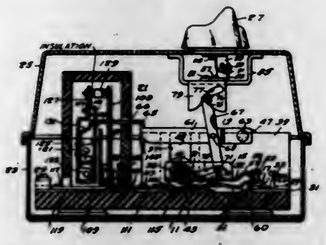
2,354,156
LIGHT-WEIGHT COMPOSITION AND ITS PRODUCTION
Glenn Sucetti, Los Angeles, Calif., assignor to Universal Zonolite Insulation Co., Chicago, Ill., a corporation of Montana
No Drawing. Application July 30, 1941, Serial No. 404,627
10 Claims. (Cl. 106—86)

1. In the process of making a light-weight concrete, including mixing a light-weight porus aggregate of under 50 pounds per cubic-foot including at least 80% of exfoliated-vermicuite by volume, a binder and water and permitting the mixture to set, the novel features being the inclusion in said mixture of an asphalt-emulsion containing a saponified-resin as a stabilizing-agent and having the property of maintaining the bulk of the mixture, upon completion of its mixing, at least equal to the bulk of the original aggregate introduced into the mixture, said bulking of the mixture being produced by said emulsion entrapping and permanently retaining as substantially-uniformly-distributed air-cells the air expelled from the cavities of the aggregate particles by the entrance of the liquid into their interstices, which action renders the aggregate water-repellent, the binder being practically evenly dispersed throughout the emulsion by which it is also rendered water-resistant.

2,354,157
ENCLOSED CIRCUIT BREAKER
Ralph H. Swingle, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 9, 1942, Serial No. 450,269
19 Claims. (Cl. 200—116)

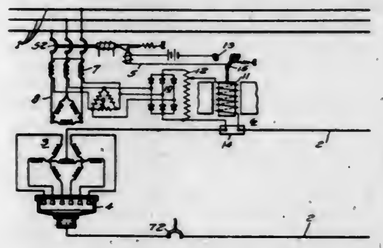
15. A circuit breaker comprising a contact movable to open and close the circuit, a member movable in one direction to normally move said contact to open position and in the opposite direction to normally move said contact to closed position, operating means for said movable member including a slotted member within which a part of said contact moving member is posi-

tioned and one side of which slot is engageable with the contact moving member to apply a force to move it in said one direction and the other side of which slot is engageable with the contact moving member to apply a force to move it in said opposite direction, said slot having a space into which said part of the contact moving member is movable to permit the contact to



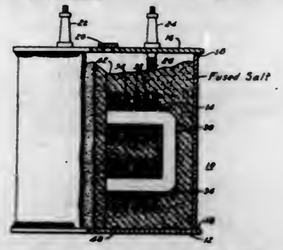
move to open the circuit while said slotted member is held stationary, electro-responsive means for controlling movement of said part of the contact moving member into said space, and one side of said slot comprising a cam surface for camming said part of the contact moving member out of said space and resetting said electro-responsive means upon movement of the slotted member.

2,354,158
VAPOR-ELECTRIC DEVICE
William R. Taliaferro, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1940, Serial No. 348,751
7 Claims. (Cl. 175—363)



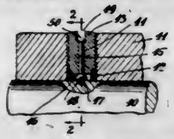
1. A conversion system comprising an alternating-current circuit, a direct-current circuit, a multi-valve vapor-electric converter for transferring energy between said circuits, current transformer means for providing a potential proportional to the current flowing between said alternating-current circuit and said converter, means for rectifying the output potential of said current transformer means, a shunt for providing a potential proportional to the current in the direct-current circuit, the polarity of said potential being dependent on the direction of current flow in said direct-current circuit, means for balancing said potentials for normal operation of said converter, a relay including a single winding connected to be energized by unbalance of said potentials, a circuit breaker connected between said alternating-current circuit and said converter, tripping means for said circuit breaker, said tripping means being energized by operation of said relay means.

2,354,159
COOLING ELECTRICAL APPARATUS
Emerson Venable, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1940, Serial No. 358,650
3 Claims. (Cl. 175—361)



1. Electrical apparatus comprising, in combination, an electrical member subject to heating when in operation, and a heat conducting dielectric body surrounding and embedding the electrical member to provide for spacing the member, and for dissipating the heat, the heat conducting dielectric body composed essentially of a substantially homogeneous crystalline mineral solid cast about the member while in a molten state, the mineral solid selected from the group consisting of sodium chloride, potassium chloride, calcium fluoride, sodium fluoride and potassium fluoride, and providing for a good transfer of heat from the embedded electrical member to the mineral solid and a rapid conduction of the heat to the exterior of the body in order to maintain predetermined temperatures in the electrical member, the cast mineral being so disposed about the electrical member that it constitutes the major electrical insulation therefor.

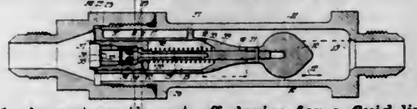
2,354,160
LOCKING DEVICE
August Gunnar Ferdinand Wallgren, Stockholm, Sweden, assignor to Liljeqvist Sågblads-Och Redskapsfabrik N Y A A. B., Eskilstuna, Sweden, a corporation of Sweden
Original application July 15, 1937, Serial No. 153,719, now Patent No. 2,244,930, dated June 10, 1941. Divided and this application February 18, 1941, Serial No. 379,414. In Sweden July 17, 1936
2 Claims. (Cl. 85—1)



1. In a device for locking two members against relative rotation, a locking element adapted to be disposed between said members and being formed with a hardened projection extending in the direction of the axial movement of said element as the members are locked together, said projection terminating in a sharp edge throughout its entire extent from side to side and projecting axially beyond the end of the locking element for penetrating in an axial direction the material of one of the members to thereby prevent relative rotation between said element and said one of said members, said element being formed with a recess immediately adjacent to every part of said edge for receiving the material

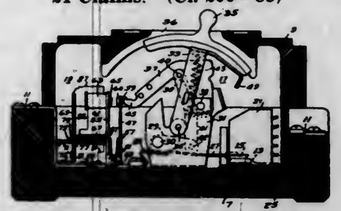
which is displaced as a result of said axial penetration, the other of said members having a bore, and a rod of softer material than said projection secured in fixed relation to said element and extending through said bore and being initially rotatable relative to said other member, said rod being deformable so as to engage said other member for preventing relative rotation between said element and said other member.

2,354,161
AUTOMATIC CUTOFF DEVICE
William Waterman, Chicago, Ill.
Application February 8, 1943, Serial No. 475,140
11 Claims. (Cl. 137—153)



1. An automatic cut-off device for a fluid line comprising in combination a valve housing, a normally open valve movable by fluid flow to close the passage through said housing, and brake means including a fluid flow passage so designed with relation to the flow characteristics of the valve as to resist closing of the valve and operative to permit closing of the valve on passage of a substantially predetermined volume of fluid at velocities exceeding a predetermined minimum.

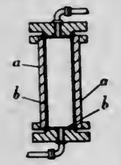
2,354,162
CIRCUIT BREAKER
Joe Weber, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 19, 1942, Serial No. 435,367
21 Claims. (Cl. 200—88)



8. A circuit breaker comprising relatively movable contacts, operating mechanism for said contacts, a trip device comprising an electromagnet operable when energized to cause opening of the contacts, a variable resistor for controlling the energization of said electromagnet, auxiliary magnetic means operable to vary the magnetic reluctance of said electromagnet, and a bimetallic element operable when heated in response to overload currents for simultaneously actuating the resistor to effect increased energization of the electromagnet and for actuating the auxiliary magnetic means to reduce the magnetic reluctance.

2,354,163
LINING FOR HYDROCARBON TREATING APPARATUS
Charles Weizmann, London, and Herbert Steiner, Eccles, England
Application May 7, 1943, Serial No. 486,060
In Great Britain August 6, 1941
1 Claim. (Cl. 196—47)

In the thermal treatment of hydrocarbons in the vapor phase in metallic apparatus at temperatures sufficiently high to normally cause the deposition of carbon in the apparatus, the improvement which comprises employing a reaction apparatus having an inner surface of copper exposed to the hydrocarbons undergoing treatment

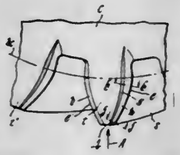


and, prior to the reaction, oxidizing said copper surface and then reducing it to metallic copper, thereby producing a porous, matt surface, whereby carbon deposition on said surface is substantially eliminated.

2,354,164
COPPER RUBY GLASS
Woldemar A. Weyl, State College, Pa., assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application February 29, 1940, Serial No. 321,447
7 Claims. (Cl. 106—53)

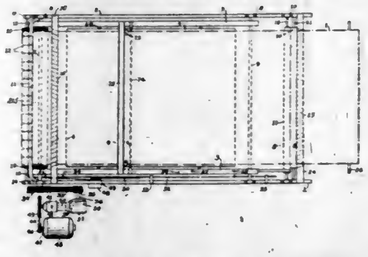
1. A copper ruby glass comprising an ordinary glass and containing in addition a copper phosphide dispersed therein.

2,354,165
METHOD OF SHARPENING FLAT TOP GEAR SHAPING CUTTERS
James L. Williamson, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application March 10, 1942, Serial No. 434,055
4 Claims. (Cl. 51—287)



1. The method of grooving or sharpening flat top gear shaper cutters with an angle of top rake smaller than the intersection between a side of the cutter tooth and the end face of such tooth lying in a plane perpendicular to the cutter axis, with a varying width of the top rake surface, which consists in effecting a relative rolling motion between such a cutter and a grooving tool such that a displacement between such tool and one edge of the end face of a tooth of the cutter takes place along such edge, maintaining a part of such tool in cutting action upon the said end face at and inward from the before mentioned edge thereof in a line normal to such edge, making the same angle with the contiguous side face in all planes normal to such edge, maintaining that part of the grooving tool which coincides with the side edge of the tooth constantly in the same plane perpendicular to the axis of the cutter and, during the progress of the grooving action from the tip toward the root of the cutter tooth, feeding the grooving tool inward from the side of the tooth.

2,354,166
MARKING MACHINE
Roy H. Windham and Burl P. Phillips, Rome, Ga., assignors to B. J. Bandy, Dalton, Ga.
Application June 6, 1941, Serial No. 396,899
16 Claims. (Cl. 101—1)



1. A machine for marking a relatively long section of cloth for producing such articles as bed spreads, bath mats, and the like comprising a supporting structure, a pattern table mounted on said supporting structure, a flexible pattern having a design thereon detachably mounted on said table, feed means for progressively moving said cloth across said pattern, said table and pattern being stationary with respect to the path of movement of the cloth and means having rubbing engagement with said cloth for outlining the design of said pattern thereon.

2,354,167
SHOVEL SHIFTING TOOL FOR LOADING MACHINES
Ralph Wooten, Roundup, Mont.
Application February 21, 1944, Serial No. 523,305
1 Claim. (Cl. 254—88)



A shovel shifting tool for use in connection with loading machines of the shaker-conveyor type, said tool comprising an elongated bar and a ground-engaging frame attached to the lower end of said bar for supporting said bar at a substantial angle to the horizontal, said frame comprising a pair of convergent side plates and a cross-plate arranged in the form of a triangle, the side plates being substantially shorter along their forward edges than along their rear edges and being cutaway so as together provide a V-shaped ground-engaging toe and a pair of spurs for engaging the ground to prevent slippage.

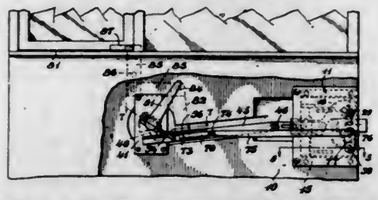
2,354,168
CAMERA
Thomas McG. Aiken, Pittsburgh, Pa.
Application May 23, 1942, Serial No. 444,185
15 Claims. (Cl. 95—63)

1. Apparatus for use in conjunction with an exposure aperture of a camera, comprising a shutter for the aperture, a spring normally holding the shutter closed, an actuating lever for moving the shutter against the spring tension, a power spring of greater strength than the first-named spring, an operating unit for the actuating lever, having lost-motion engagement therewith and having operative connection with the power spring, means for latching the unit to hold the power spring under tension and the unit in spaced relation to the actuating lever,



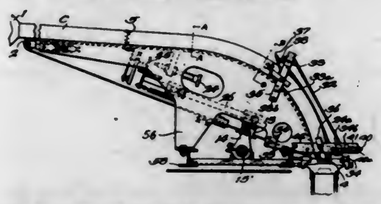
whereby upon release of the latch the said unit will acquire momentum before it operates the shutter-actuating lever, and a second shutter for the aperture having a closing device which is operated by the last-named movement of the said unit.

2,354,169
AUTOMOBILE DOOR AND WINDOW LOCK
Henry M. Fredholm, Midlothian, Ill.
Application March 25, 1943, Serial No. 480,538
20 Claims. (Cl. 70—147)



14. In a lock for automobile doors, the combination of a latch bolt, outside and inside means for retracting the same, deadlocking means for the outside retracting means operative from the inside of the door, latching means also operative from the inside of the door to latch the inside retracting means, and key operated means operative from the outside of the door for moving both the latching means and deadlocking means to and from operative positions.

2,354,170
APPARATUS AND METHOD FOR CHARGING POTTERY MOLDS
William J. Miller, Swissvale, and Ashley J. Reek, Carrick, Pa.; said Reek assignor to said Miller
Original application August 21, 1939, Serial No. 291,158. Divided and this application October 6, 1942, Serial No. 460,946
18 Claims. (Cl. 25—24)



4. In apparatus for charging pottery molds with clay, means for feeding a slug of clay downwardly in endwise fashion toward a segregating position, a mold and support therefore disposed below the end of the slug and in axial alignment therewith, a substantially horizontal cut off wire,

means for moving the wire horizontally through the projecting end of the slug to cut a disc therefrom and deposit it on said mold and means operable to produce rapid motion of the last named means so as to cut off the slice with such speed that the slice will fall in substantially level horizontal position from the end of the slug to the surface of the mold.

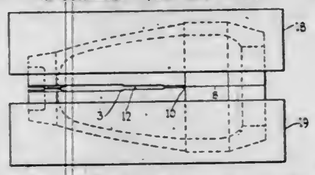
2,354,171
LUBRICANT
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application June 23, 1942, Serial No. 448,152
7 Claims. (Cl. 252—35)

5. A lubricant consisting essentially of a chlorinated benzene inhibited against corrosion and reinforced for load carrying capacity with small amounts of a corrosion inhibitor and an extreme pressure addition agent.

2,354,172
OPERATION OF ANION-EXCHANGE UNITS
Robert J. Myers, Rydal, and Donald S. Herr, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 16, 1942, Serial No. 451,224
4 Claims. (Cl. 210—24)

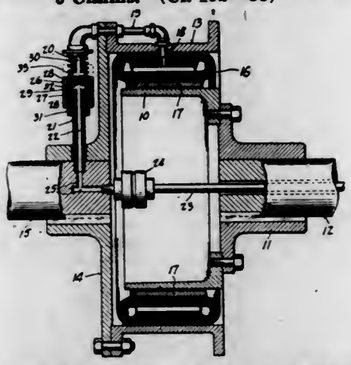
1. In the process of removing dissolved salts from water by passage of salt-containing water through a cation exchange material in its hydrogen form, subsequent passage through an anion exchange resin in its basic form until said exchange material and resin fail to remove the salt components and the effluent from the anion exchange resin becomes acidic, and regeneration of said spent exchange material and resin, the spent anion exchange resin being regenerated with an aqueous alkaline solution, the improvement which comprises continuing the passage of the water being desalted through said material and resin to give an acidic effluent from spent anion exchange resin, treating the spent anion exchange resin with an aqueous alkaline solution to regenerate said resin, and rinsing said solution from the regenerated resin by means of acidic effluent from said spent anion exchange resin.

2,354,173
WELDING
George H. Phelps, Floral Park, N. Y.
Application August 8, 1941, Serial No. 405,963
2 Claims. (Cl. 219—10)



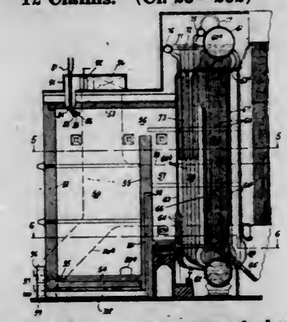
1. In the method of electric resistance welding two pieces of metal having edge portions of different thickness and of different distances from a surface and wherein the pieces are pressed together in edge to edge contact, electrical contact is made with surfaces of the pieces and an electric current is caused to flow through the contacting edges, the step which consists in shaping the contacting edges of the pieces to effect a progressive separation of the edges inversely as the thickness of the edge portions and the distance from the surface with which electrical contact is made.

2,354,174
FLUID PRESSURE CLUTCH
Walter P. Schmitter, Wauwatosa, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 15, 1941, Serial No. 410,883
3 Claims. (Cl. 192—88)



1. A clutch comprising a pair of driving and driven clutch members, fluid pressure means expandable to effect a driving relation between said members and contractable to break said relation, and means including a valve having an integral part centrifugally urged away from the axis of rotation of said members for controlling said fluid pressure means.

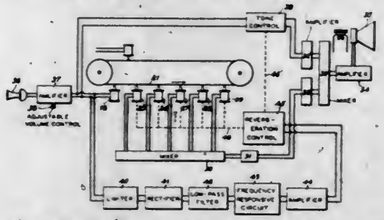
2,354,175
APPARATUS FOR THE RECOVERY OF HEAT AND CHEMICALS FROM WASTE LIQUOR
Leslie S. Wilcoxson, Ridgewood, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application July 27, 1940, Serial No. 347,944
12 Claims. (Cl. 23—262)



2. Apparatus for the recovery of chemicals in a dry condition and heat from waste liquor containing inorganic chemicals and combustible organic matter comprising in combination walls defining a furnace chamber having a normally closed bottom and a gas outlet in the upper part thereof, means constructed and arranged for introducing and burning the combustible organic matter in the waste liquor in suspension in said

furnace chamber to yield a dry chemical ash, whereby the combustion gases contain in suspension substantially all of the chemical ash produced in said furnace chamber, an unobstructed vertical gas passage receiving said combustion gases from said gas outlet, a steam boiler having a transversely elongated vertical pass receiving said ash-laden combustion gases from said gas passage, transversely spaced groups of vertical water tubes arranged to divide said pass into side-by-side sections, means forming a second serially connected vertical pass having a bank of vertical steam generating tubes therein and a gas outlet at the lower end thereof, and a pair of horizontally arranged transversely extending upper and lower drums connected to said tube bank, the effective flow areas of said vertical gas passage and said first and second vertical passes being constructed and relatively proportioned to provide a gas velocity therein sufficient to maintain said chemical ash in suspension.

2,354,176
AUTOMATIC REVERBERATION CONTROL
Alfred N. Goldsmith, New York, N. Y.
Application December 21, 1942, Serial No. 469,599
20 Claims. (Cl. 179—100.2)

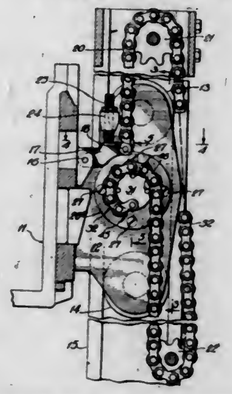


1. A method of control which consists in deriving the sub-audible tempo frequency of music or speech, and utilizing the derived tempo frequency for control purposes.

2,354,177
METHOD OF PREPARING FLUOSILICIC ACID AND FLUOSILICIC ACID SALTS
Henry C. Kawecki, Temple, Pa., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
No Drawing. Application December 20, 1941, Serial No. 423,770
5 Claims. (Cl. 23—88)

3. The method of forming sodium silico fluoride which comprises suspending calcium fluoride and silica, each in finely divided condition, in the relative proportions of 3 molar weights of the fluoride to one molar weight of the silica, in a sulfuric acid aqueous solution containing from 5 to 40%, by weight, sulfuric acid, the volume of said solution being at least sufficient to provide 3 molar weights of sulfuric acid for each 3 molar weights of calcium fluoride suspended therein, heating the solution to a temperature within the range 65–70° C. for an extended time interval, separating the solution obtained from the insoluble material remaining and adding to the solution an amount of sodium sulfate that is approximately sufficient to precipitate from the solution substantially all of the fluosilicic acid present therein, cooling the solution to about atmospheric temperatures and separating the precipitated sodium silico fluoride from the solution.

2,354,178
CHAIN WINDING MECHANISM FOR INDUSTRIAL TRUCKS
Bronislaus Ulinski, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application July 31, 1942, Serial No. 453,123
8 Claims. (Cl. 187—9)

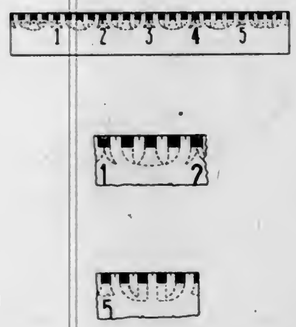


1. In a truck of the class described having a carriage mounted for vertical movement on said truck, a sprocket chain secured at one end to said carriage and applied about a power sprocket on said truck whereby rotation of said sprocket pulls said chain and lifts said carriage relatively to said truck, the slack side of said chain extending from said sprocket back to said carriage, a chain winding member to which the end of the slack side of said chain is secured, the surface of said chain winding member being formed for cooperation with the parts of said chain for holding said chain in predetermined vertical alignment with said chain winding member, means mounting said chain winding member for rotation on said carriage whereby to wind the slack end of said chain about said member, and a spring for rotating said member.

DESIGNS

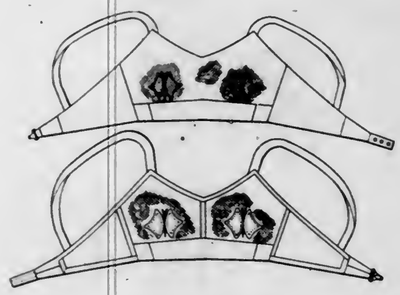
JULY 18, 1944

138,309
DESIGN FOR A RULER OR SIMILAR ARTICLE
Herbert Austin Aikins, Cleveland Heights, Ohio
Application January 12, 1944, Serial No. 112,217
Term of patent 14 years
(Cl. D52—1)



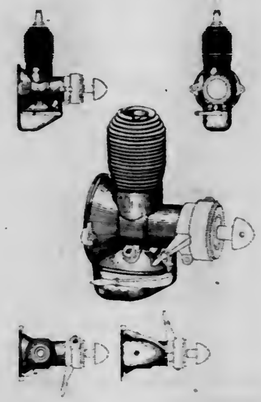
The ornamental design for a ruler or similar article, substantially as shown and described.

138,310
DESIGN FOR A BRASSIÈRE
Pierre Amyot, Quebec, Quebec, Canada
Application January 31, 1944, Serial No. 112,395
Term of patent 7 years
(Cl. D20—4)



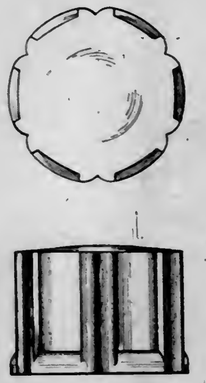
The ornamental design for a brassière, as shown.

138,311
DESIGN FOR A MINIATURE ENGINE
Thomas R. Arden, Danbury, Conn., assignor to Bard-Parker Company, Inc., Danbury, Conn., a corporation of New York
Application December 10, 1943, Serial No. 111,983
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a miniature engine, as shown and described.

138,312
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application April 21, 1944, Serial No. 113,324
Term of patent 14 years
(Cl. D58—26)



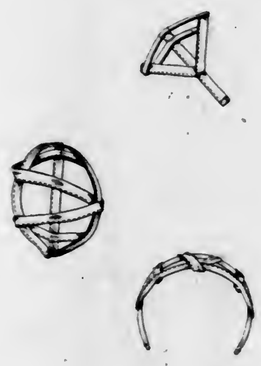
The ornamental design for a container cap, substantially as shown.

138,313
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application April 21, 1944, Serial No. 113,325
Term of patent 14 years
(Cl. D58—26)



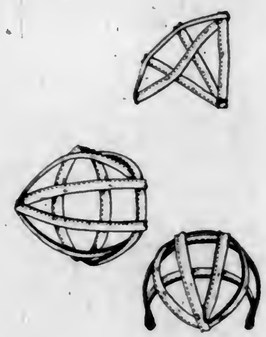
The ornamental design for a container cap, substantially as shown.

138,314
DESIGN FOR A WOMAN'S HAT FRAME
Max Gross, Buffalo, N. Y., assignor to Chic-Maid Hat Manufacturing Co., Inc., Buffalo, N. Y., a corporation of New York
Application May 11, 1944, Serial No. 113,552
Term of patent 3½ years
(Cl. D3—13)



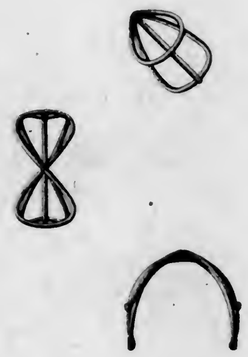
The ornamental design for a woman's hat frame, as shown and described.

138,315
DESIGN FOR A WOMAN'S HAT FRAME
Max Gross, Buffalo, N. Y., assignor to Chic-Maid Hat Manufacturing Co., Inc., Buffalo, N. Y., a corporation of New York
Application May 12, 1944, Serial No. 113,559
Term of patent 3½ years
(Cl. D3—13)



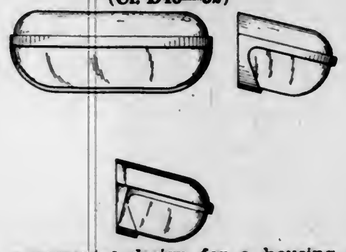
The ornamental design for a woman's hat frame, as shown and described.

138,316
DESIGN FOR A WOMAN'S HAT FRAME
Max Gross, Buffalo, N. Y., assignor to Chic-Maid Hat Manufacturing Co., Inc., Buffalo, N. Y., a corporation of New York
Application May 13, 1944, Serial No. 113,574
Term of patent 3½ years
(Cl. D3—13)



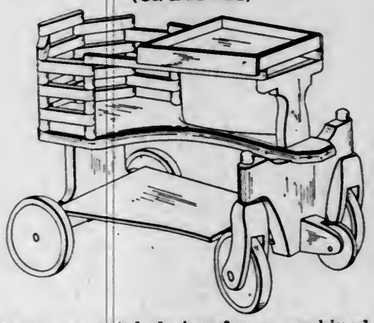
The ornamental design for a woman's hat frame, as shown and described.

138,317
DESIGN FOR A HOUSING FOR A VEHICLE LIGHT
Eric B. Hallman, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 21, 1944, Serial No. 112,976
Term of patent 7 years
(Cl. D48—32)



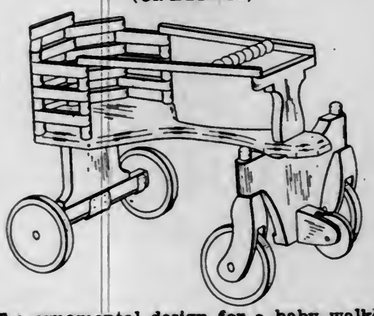
The ornamental design for a housing for a vehicle light, as shown.

138,318
DESIGN FOR A COMBINED BABY STROLLER AND FEEDER
Hiram Hopkins, Los Angeles, Calif.
Application June 8, 1943, Serial No. 110,405
Term of patent 7 years
(Cl. D14—14)



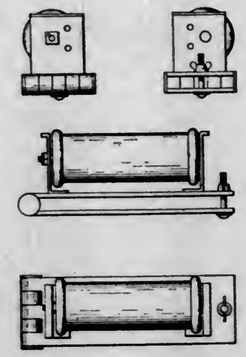
The ornamental design for a combined baby stroller and feeder, as shown.

138,319
DESIGN FOR A BABY WALKER
Hiram Hopkins, Los Angeles, Calif.
Application June 8, 1943, Serial No. 110,407
Term of patent 7 years
(Cl. D14—14)



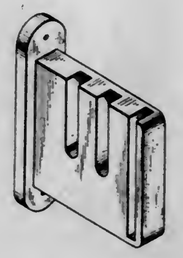
The ornamental design for a baby walker, as shown.

138,320
DESIGN FOR AN AUTOMOBILE ACCELERATOR PEDAL ATTACHMENT
Spurgeon L. Johnston, Tiburon, Calif.
Application March 29, 1944, Serial No. 113,061
Term of patent 14 years
(Cl. D14—6)



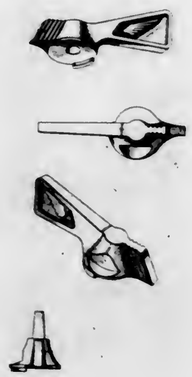
The ornamental design for an automobile accelerator pedal attachment, as shown.

138,321
DESIGN FOR A COMBINED CORNICE, CURTAIN AND DRAPERY BRACKET
William Lyons, Lynbrook, N. Y., assignor to William Lyons Novelty Co. Inc., New York, N. Y., a corporation of New York
Application April 4, 1944, Serial No. 113,136
Term of patent 14 years
(Cl. D21—1)



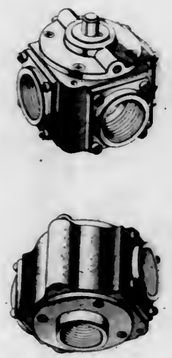
The ornamental design for a combined cornice, curtain and drapery bracket, substantially as shown.

138,322
DESIGN FOR AN ACTUATOR HANDLE
Joseph F. Melichar, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application March 22, 1944, Serial No. 113,003
Term of patent 14 years
(Cl. D26—1)



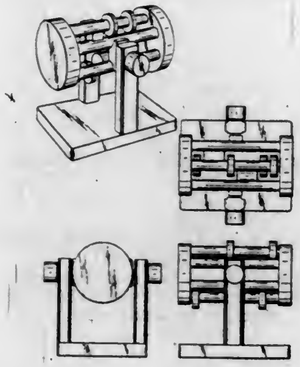
The ornamental design for an actuator handle, as shown and described.

138,323
DESIGN FOR A VALVE
Joseph F. Melichar, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application April 6, 1944, Serial No. 113,160
Term of patent 14 years
(Cl. D91—1)



The ornamental design for a valve, as shown.

138,324
DESIGN FOR A TOY
Gretchen Mielke, Minneapolis, Minn., assignor to Fibro Container Corporation, Minneapolis, Minn., a corporation of Minnesota
Application April 3, 1944, Serial No. 113,130
Term of patent 7 years
(Cl. D34—15)



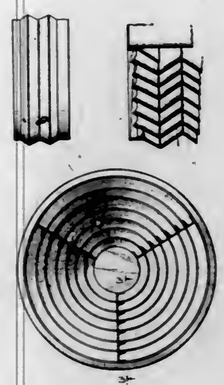
The ornamental design for a toy, as shown.

138,325
DESIGN FOR A VALVE CHECK
Clarence Pool, Rivera, Calif.
Application February 7, 1944, Serial No. 112,480
Term of patent 7 years
(Cl. D91—1)



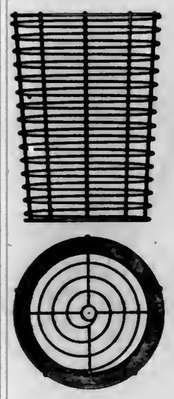
The ornamental design for a valve check, as shown.

138,326
DESIGN FOR A PORTHOLE VENTILATOR
Edward Rambusch, Harrison, N. Y., assignor to Rambusch Decorating Company, New York, N. Y., a corporation of New York
Application May 2, 1944, Serial No. 113,444
Term of patent 3½ years
(Cl. D71—1)



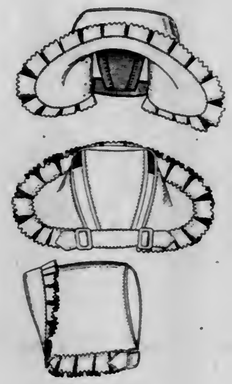
The ornamental design for a porthole ventilator, as shown.

138,327
DESIGN FOR A BASKET OR SIMILAR ARTICLE
Earl F. Smith and Guy Kenneth Wilson, Muncie, Ind.
Application November 15, 1943, Serial No. 111,702
Term of patent 14 years
(Cl. D58—4)



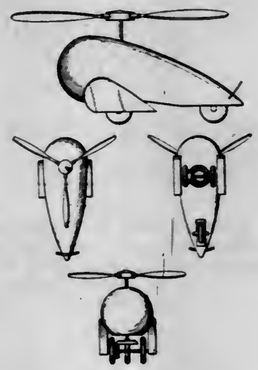
The ornamental design for a basket or similar article, as shown.

138,328
DESIGN FOR A HAT
Max Solash, Linden, N. J.
Application June 7, 1944, Serial No. 113,896
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a hat, substantially as shown.

138,329
DESIGN FOR A TOY AIRPLANE
Fred C. Wasson, Alhambra, Calif.
Application February 12, 1944, Serial No. 112,569
Term of patent 3½ years
(Cl. D34—15)



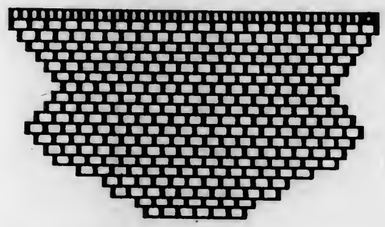
The ornamental design for a toy airplane, as shown.

138,330
DESIGN FOR A WALKING CANE
George Byron Wisecarver, Pikeville, Ky.
Application April 10, 1944, Serial No. 113,206
Term of patent 14 years
(Cl. D88—4)



The ornamental design for a walking cane, as shown.

138,331
DESIGN FOR A SNOOD OR SIMILAR ARTICLE
Lilly Daché Després, New York, N. Y., assignor, by mesne assignments, to Weco Products Company, Chicago, Ill., a corporation of Illinois
Application November 13, 1943, Serial No. 111,680
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a snood or similar article, as shown.

138,332
DESIGN FOR AN EARRING
Clifford A. Furst, New York, N. Y.
Application June 8, 1944, Serial No. 113,911
Term of patent 7 years
(Cl. D45—9)



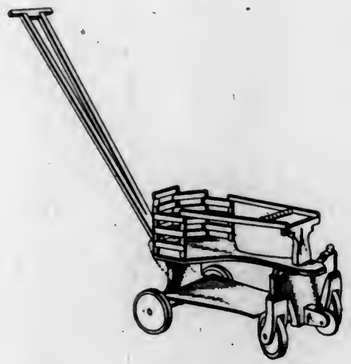
The ornamental design for an earring, substantially as shown.

138,333
DESIGN FOR A HANDKERCHIEF
Enrique Jaime Gassett, San Antonio, Tex.
Application March 22, 1944, Serial No. 113,008
Term of patent 14 years
(Cl. D3—12)



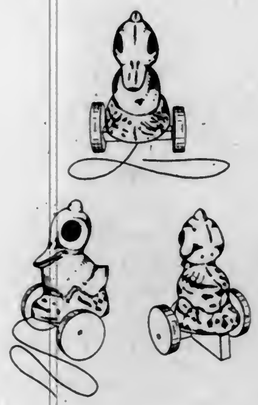
The ornamental design for a handkerchief, as shown and described.

138,334
DESIGN FOR A STROLLER
Hiram Hopkins, Los Angeles, Calif.
Application June 8, 1943, Serial No. 110,406
Term of patent 7 years
(Cl. D14—14)



The ornamental design for a stroller, as shown and described.

138,335
DESIGN FOR A TOY DUCK
Russell J. Awsumb, Hopkins, Minn., assignor to Fibro Container Corporation, Minneapolis, Minn., a corporation of Minnesota
Application February 11, 1944, Serial No. 112,543
Term of patent 7 years
(Cl. D34—15)



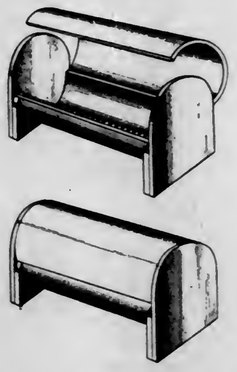
The ornamental design for a toy duck, as shown.

138,336
DESIGN FOR A JACKET
Eddie Bauer, Seattle, Wash.
Application April 20, 1943, Serial No. 110,011
Term of patent 14 years
(Cl. D3—14)



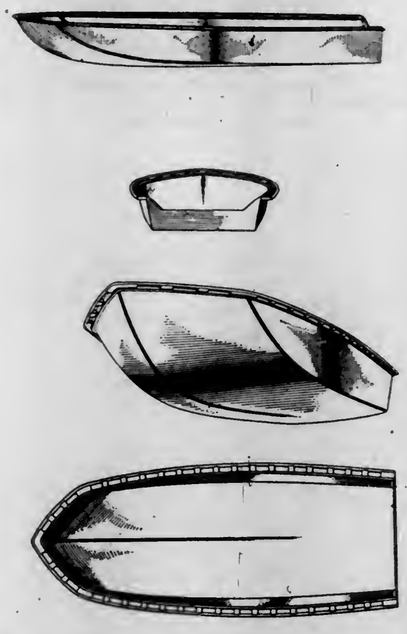
The ornamental design for a jacket, as shown.

138,337
DESIGN FOR A RECORD CABINET
Henry E. Braloff, Rockville Centre, N. Y.
Application February 17, 1944, Serial No. 112,607
Term of patent 7 years
(Cl. D33—10)



The ornamental design for a record cabinet, as shown and described.

138,338
DESIGN FOR A BOAT OR THE LIKE
Carl H. Clement, Jr., United States Army, Fort Belvoir, Va.
Application April 2, 1943, Serial No. 109,890
Term of patent 14 years
(Cl. D71—1)



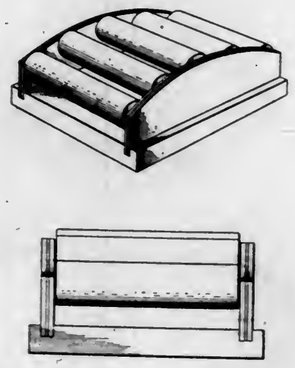
The ornamental design for a boat or the like, as shown.

138,339
DESIGN FOR A MAGAZINE RACK OR SIMILAR ARTICLE
Nat Cooper, New York, N. Y.
Application March 21, 1944, Serial No. 112,974
Term of patent 3½ years
(Cl. D33—2)



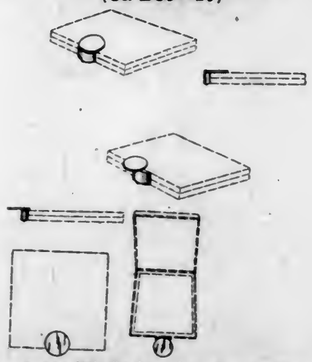
The ornamental design for a magazine rack or similar article, substantially as shown.

138,340
DESIGN FOR A FOOT AND BODY EXERCISER
Hubert L. Cox, Canton, Ohio
Application December 13, 1943, Serial No. 111,997
Term of patent 7 years
(Cl. D83—1)



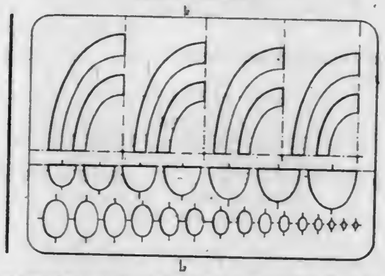
The ornamental design for a foot and body exerciser, as shown.

138,341
DESIGN FOR A COMPACT OR SIMILAR ARTICLE
Sigmund Dawer, New York, N. Y.
Application April 15, 1944, Serial No. 113,258
Term of patent 14 years
(Cl. D86—10)



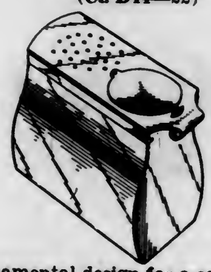
The ornamental design for a compact or similar article, substantially as shown and described.

138,342
DESIGN FOR A TEMPLET FOR DRAWING ELLIPSES
Adrian J. Gilardi, Seattle, Wash.
Application May 3, 1944, Serial No. 113,452
Term of patent 14 years
(Cl. D52—1)



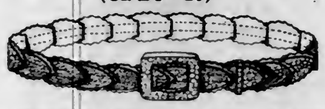
The ornamental design for a templet for drawing ellipses, substantially as shown.

138,343
DESIGN FOR A COMBINED SALT AND PEPPER SHAKER
Anthony Granese, Blackwood Terrace, N. J.
Application March 15, 1944, Serial No. 112,910
Term of patent 14 years
(Cl. D44—22)



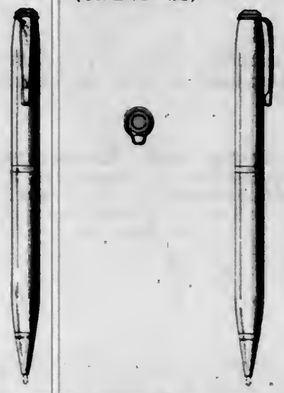
The ornamental design for a combined salt and pepper shaker, as shown.

138,344
DESIGN FOR A BELT
Basil Darrell Huff, New York, N. Y.
Application February 18, 1944, Serial No. 112,619
Term of patent 3½ years
(Cl. D3—10)



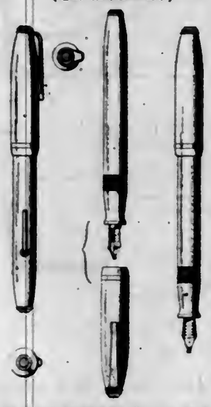
The ornamental design for a belt, substantially as shown and described.

138,345
DESIGN FOR A PENCIL
David Kahn, Englewood, N. J.
Application October 14, 1943, Serial No. 111,355
Term of patent 14 years
(Cl. D74—24)



The ornamental design for a pencil, substantially as shown and described.

138,346
DESIGN FOR A FOUNTAIN PEN
David Kahn, Englewood, N. J.
Application October 14, 1943, Serial No. 111,356
Term of patent 14 years
(Cl. D74—17)



The ornamental design for a fountain pen, as shown and described.

138,347
DESIGN FOR A DRESS
Samuel Kuznetz, New York, N. Y.
Application June 10, 1944, Serial No. 113,943
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,348
DESIGN FOR A DRESS
Samuel Kuznetz, New York, N. Y.
Application June 10, 1944, Serial No. 113,945
Term of patent 3½ years
(Cl. D3—26)



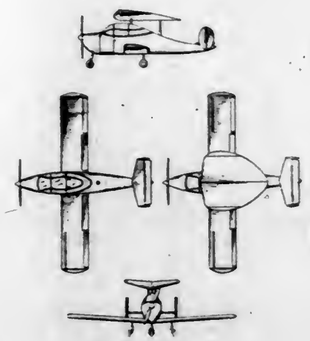
The ornamental design for a dress, substantially as shown.

138,349
DESIGN FOR A DRESS
Samuel Kuznetz, New York, N. Y.
Application June 10, 1944, Serial No. 113,946
Term of patent 3½ years
(Cl. D3—26)



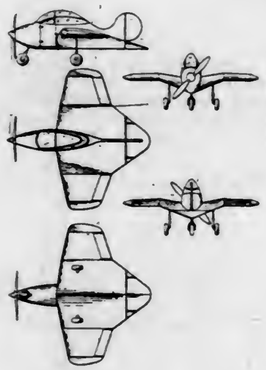
The ornamental design for a dress, substantially as shown.

138,350
DESIGN FOR AN AIRPLANE
Edward M. Lanier, Newark, N. J.
Application October 14, 1943, Serial No. 111,353
Term of patent 14 years
(Cl. D71—1)



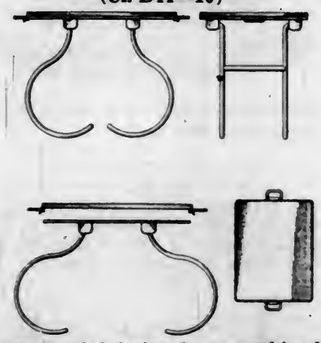
The ornamental design for an airplane, substantially as shown.

138,351
DESIGN FOR AN AIRPLANE
Edward M. Lanier, Newark, N. J.
Application October 14, 1943, Serial No. 111,354
Term of patent 14 years
(Cl. D71—1)



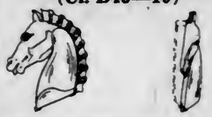
The ornamental design for an airplane, substantially as shown.

138,352
DESIGN FOR A COMBINED SERVICE TRAY AND LAP TABLE
Emanuel R. Morando, New York, N. Y.
Application January 27, 1944, Serial No. 112,351
Term of patent 7 years
(Cl. D44—10)



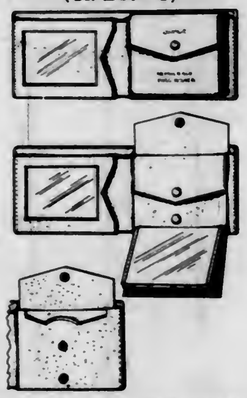
The ornamental design for a combined service tray and lap table, as shown and described.

138,353
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application February 12, 1944, Serial No. 112,567
Term of patent 7 years
(Cl. D45—19)



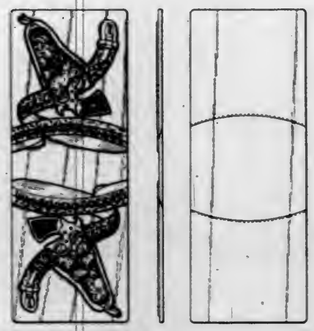
The ornamental design for a brooch pin, substantially as shown.

138,354
DESIGN FOR A COMBINED BILLFOLD, PASS HOLDER, AND CHANGE PURSE
Samuel J. Smallman, New York, N. Y.
Application March 9, 1944, Serial No. 112,837
Term of patent 14 years
(Cl. D87—3)



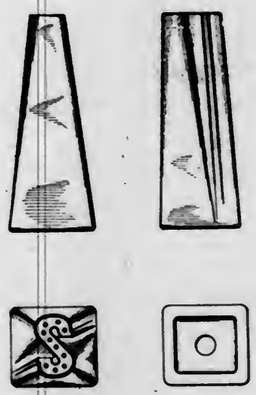
The ornamental design for a combined billfold, pass holder, and change purse, substantially as shown and described.

138,355
DESIGN FOR A BACK FOR BILLFOLD OR SIMILAR ARTICLE
Arthur A. Tolbert, Yoakum, Tex., assignor to Texas Tanning & Manufacturing Co., Yoakum, Tex.
Application February 15, 1944, Serial No. 112,592
Term of patent 3½ years
(Cl. D87—3)



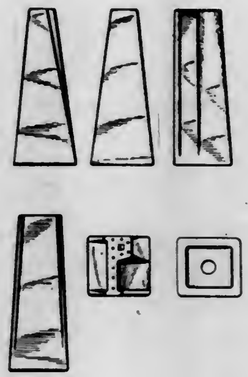
The ornamental design for a back for billfold or similar article, as shown and described.

138,356
DESIGN FOR A SALT SHAKER
Boris Trifonoff, East Liverpool, Ohio, assignor of fifty per cent to George E. Marsh, East Liverpool, Ohio
Application April 19, 1944, Serial No. 113,306
Term of patent 7 years
(Cl. D44—22)



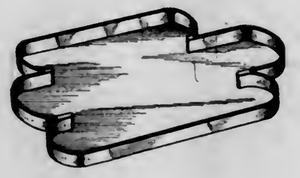
The ornamental design for a salt shaker, as shown.

138,357
DESIGN FOR A PEPPER SHAKER
Boris Trifonoff, East Liverpool, Ohio, assignor of fifty per cent to George E. Marsh, East Liverpool, Ohio
Application April 19, 1944, Serial No. 113,307
Term of patent 7 years
(Cl. D44—22)



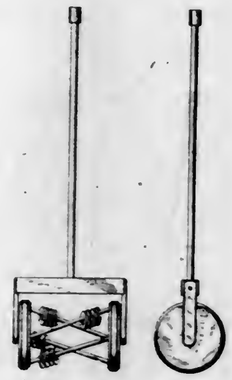
The ornamental design for a pepper shaker, as shown.

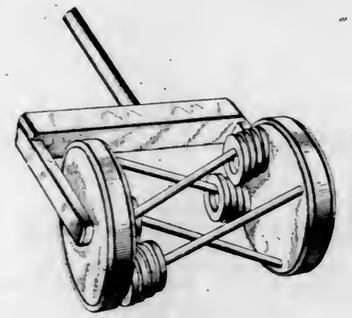
138,358
DESIGN FOR A TRAY OR SIMILAR ARTICLE
Wesley Dale Weeks, Phillips, Tex.
Application April 26, 1944, Serial No. 113,380
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a tray or similar article, as shown.

138,359
DESIGN FOR A TOY OR THE LIKE
Meyer Rapaport, Chicago, Ill.
Application March 13, 1944, Serial No. 112,889
Term of patent 7 years
(Cl. D34—15)





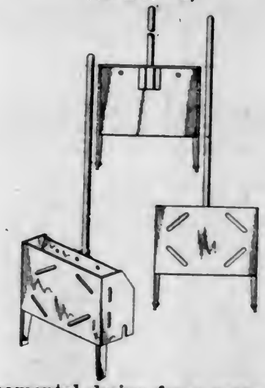
The ornamental design for a toy or the like, as shown.

138,360
DESIGN FOR A BALL TOSSING AND CATCHING GAME DEVICE
James Jernigan Sanders, Nashville, Tenn.
Application April 13, 1944, Serial No. 113,234
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a ball tossing and catching game device, as shown.

138,361
DESIGN FOR A MOP WRINGER
Irwin Siebert, Cleveland, Ohio
Application September 30, 1943, Serial No. 111,239
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a mop wringer, as shown.

THE
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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

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July 25, 1944

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T. M. Renewals	92	
Reissues	4	No. 22,520 to No. 22,523, inclusive.
Plant Patents	1	No. 634
Patents	463	No. 2,354,179 to No. 2,354,641, inclusive.
Designs	29	No. 138,362 to No. 138,390, inclusive.
Total	667	

Amendments to Amendments

RULE 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

Communications to the Patent Office

RULE 8. A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the Office in separate letters.

Adjudicated Patents

(C. C. A. N. Y.) Cornell patent, No. 2,025,973, for a hollow wrought metal body and method of making same, claims 1–6 and 8 *Held* not infringed and invalid. *Cornell v. Chase Brass & Copper Co.*, 142 F.(2d) 157, affirming 48 F. Supp. 979.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., July 5, 1944.*

James F. Larkin, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of National Lead Company, 111 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered July 26, 1938, No. 358,897, to James F. Larkin, 301 Hightower Bldg., Oklahoma City, Okla. The records of this Office show that Katharine Larkin Angus is administratrix of the estate of said Larkin, deceased. Notice of such declaration sent by registered mail to said administratrix having been returned by the post office as undeliverable, notice is hereby given that unless the assigns or legal representatives of said Larkin shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., July 7, 1944*

Plumbers Trade Journal Publishing Co., its assigns or legal representatives take notice:

A petition for cancellation having been filed in this Office by McGraw-Hill Publishing Company, Inc., 330 West 42nd St., New York, N. Y., to effect the cancellation of trade-mark registration of Plumbers Trade Journal Publishing Co., 239 West 30th St., New York, N. Y., No. 243,185, dated June 12, 1928, and the notice of such proceeding sent by registered mail to the said Plumbers Trade Journal Publishing Co., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Plumbers Trade Journal Publishing Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business July 8, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 47,430; Trade-Mark Division, 1,390. Oldest new case, Aug. 8, 1943; oldest amended, Aug. 12, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry: Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Dec. 17	†Feb. 18	477
2. BERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Dec. 22	Dec. 10	603
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Dec. 3	Dec. 6	997
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	†Feb. 14	†Jan. 14	477
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	Oct. 4	Oct. 4	1,235
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 17	†Jan. 7	1,130
7. JARBOE, C. G., Optics, Photography	†Feb. 19	†Mar. 1	712
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Feb. 4	†Feb. 5	562
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	†Jan. 20	†Jan. 10	721
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Mar. 18	†Mar. 16	265
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Oct. 2	Sept. 18	1,082
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	†Feb. 3	†Feb. 2	576
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	†Feb. 23	†Feb. 15	661
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	†Feb. 24	†Jan. 20	731
16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 31	†Jan. 25	584
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 27	Oct. 16	527
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Sept. 3	Sept. 17	878
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	†Jan. 15	Dec. 22	538
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Feb. 15	†Jan. 3	407
21. THOMPSON, T. J., Textiles	†Jan. 3	Dec. 27	433
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 22	Nov. 23	1,100
23. BARROWS, B., Cash Registers; Calculators (part)	Oct. 28	Aug. 18	163
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 15	†Feb. 21	476
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Dec. 9	Dec. 22	759
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 8	Oct. 4	928
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 22	Oct. 11	474
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Dec. 3	Oct. 22	742
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	†Jan. 17	†Jan. 20	769
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Oct. 16	Oct. 12	1,069
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Jan. 29	†Jan. 7	1,052
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 27	Dec. 24	682
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Mar. 2	†Feb. 19	642
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders: Signals and Indicators.	†Jan. 21	†Jan. 22	591
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	†Feb. 28	†Feb. 25	527
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	†Feb. 1	†Jan. 24	438
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 16	Nov. 16	755
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Nov. 5	Nov. 10	543
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	†Jan. 3	†Jan. 13	700
40. DRUMMOND, E. J., Receptacles (part); Packages	†Mar. 2	†Feb. 25	619
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 28	Nov. 8	411
42. MARANS, H., Electric Signaling	†Feb. 21	†Feb. 23	328
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 10	Dec. 13	742
44. HARVEY, L. P., Refrigeration, Preserving	Oct. 6	Oct. 21	419
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Dec. 22	Dec. 15	1,048
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 11	Nov. 11	495
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 31	Dec. 9	662
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Dec. 7	Dec. 11	790
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Dec. 28	†Jan. 1	639
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Dec. 20	Dec. 20	1,414
51. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	Nov. 24	Nov. 24	1,380
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Dec. 11	Dec. 3	897
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	†Feb. 29	Nov. 18	443
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Aug. 11	Aug. 12	991
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 22	Oct. 26	611
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Dec. 16	Nov. 29	773
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices: Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 8	Oct. 30	813
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Jan. 1	†Jan. 8	697
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Nov. 24	Nov. 16	1,396
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 27	Oct. 27	873
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	†Feb. 10	†Jan. 24	507
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Jan. 26	Dec. 29	959
63. WINKELSTEIN, A. H., Poisons: Fermentation; Foods and Beverages; Oils and Fats	Nov. 4	Oct. 20	945
64. NASH, P. M., Acetylene; Gas Mixers: Compositions (part); Fuel	†Feb. 21	†Feb. 17	1,012
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 15	Sept. 9	885
Trade-Marks: RICHMOND, F. A	†May 11	†June 15	1,390
Designs: KALUPY, H. H	†May 19	†June 6	673

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ainsworth, Wm., & Sons, Inc., Denver, Colo. Assay balances, analytical balances, and parts and accessories therefor, etc. Serial No. 460,397; July 25. Class 26.

Alco Oil and Chemical Corp., Philadelphia, Pa. Synthetic resins. Serial No. 470,286; July 25. Class 1.

Alco Oil and Chemical Corp., Philadelphia, Pa. Synthetic rubber. Serial Nos. 470,287–8; July 25. Class 1.

Algoma Products, Detroit, Mich. Refrigeration apparatus. Serial No. 459,249; July 25. Class 31.

Allied Chemical & Dye Corporation, New York, N. Y. Felt base shingles. Serial No. 466,371; July 25. Class 12.

American Platinum Works, The, Newark, N. J. Crucibles, dishes, pans, etc. Serial No. 465,971; July 25. Class 26.

Astlett, H. A., & Co., New York, N. Y. Laundry washing machines. Serial No. 469,108; July 25. Class 24.

Atlas Welding Accessories Company. (See Honhart, Jack C.)

Avon Products, Inc., New York, N. Y. Nail polish, compact rouge, and lipsticks. Serial No. 468,016; July 25. Class 6.

Bachmann Bros., Inc., Philadelphia, Pa. Goggles. Serial No. 470,787; July 25. Class 26.

Ballarde, Inc., New York, N. Y. Perfumes. Serial No. 468,363; July 25. Class 6.

Barbizon Corporation, The, New York, N. Y. Ladies' wearing apparel. Serial No. 470,368; July 25. Class 39.

Bates, C. J., & Son, Chester, Conn. Crochet hooks. Serial No. 469,217; July 25. Class 40.

Beacon Steel Products Co. Inc., New York, N. Y. Hollow pier forms for concrete or the like. Serial No. 457,307; July 25. Class 12.

Bell Watch Company, New York, N. Y. Watches. Serial No. 458,564; July 25. Class 27.

Beverstein Medical Company, Elkhart, Ind. Cough syrup and for ointment. Serial No. 468,828; July 25. Class 6.

Brecht Candy Company, The, Denver, Colo. Candy. Serial No. 470,479; July 25. Class 46.

Brody, Samuel C., Cambridge, Mass. Noise-makers. Serial No. 468,866; July 25. Class 22.

Brownlow Chemical Co., New York, N. Y. Cleanser disinfectants. Serial No. 463,413; July 25. Class 6.

Calcium Products, Inc., Bunnell, Fla. Coquina rock and shell. Serial No. 469,428; July 25. Class 1.

Central Soya Company, Inc., Fort Wayne, Ind. Dairy feeds. Serial No. 470,757; July 25. Class 46.

Certain-teed Products Corporation, Chicago, Ill. Sheet material of felt base saturated with a bituminous saturant. Serial No. 462,812; July 25. Class 12.

Certain-teed Products Corporation, Chicago, Ill. Sheet material of felt base. Serial No. 467,185; July 25. Class 12.

Chasers, Inc., New York, N. Y. Mints. Serial No. 469,245; July 25. Class 6.

Childs, Marquis W., Washington, D. C. Daily newspaper column. Serial No. 467,512; July 25. Class 38.

Chrisalty Laboratories, Inc., The, Newark, N. J. Vitamin preparation. Serial No. 469,004; July 25. Class 6.

Chrysler Corporation, Highland Park, Mich. Marine tug. Serial No. 463,989; July 25. Class 19.

Cole of California, Inc., Los Angeles, Calif. Dresses, bathing suits, swimming suits, etc. Serial No. 469,150; July 25. Class 39.

Compania Importadora La Vinatera, S. A., Habana, Cuba. Ethyl alcohol, rum, brandy, etc. Serial No. 464,568; July 25. Class 49.

Continental Can Company, Inc., New York, N. Y. Power and manually operated pressure cookers and canning retorts. Serial No. 463,594; July 25. Class 13.

Crompton Company, Crompton, R. I. Fabrics in the piece. Serial No. 469,037; July 25. Class 42.

Curtis-Stephens-Embry Co., Reading, Pa. Girls' shoes. Serial No. 467,122; July 25. Class 39.

D-W Products, Incorporated, Denver, Colo. Proprietary medicine designed and recommended as hematinic. Serial No. 464,016; July 25. Class 6.

Dailey Mills, Inc., Binghamton, N. Y. Livestock and poultry feeds. Serial No. 469,864; July 25. Class 46.

Davis, Bryan, Publishing Company, Inc., New York, N. Y. Monthly magazine. Serial No. 469,458; July 25. Class 38.

Day Chemical Co., Newark, N. J. Vitamin preparation. Serial No. 468,598; July 25. Class 6.

Dicalite Company, The, Los Angeles, Calif. Compositions for dehumidifying air and other gases. Serial No. 465,739; July 25. Class 6.

Dodge, Mary, Studio City, Calif. Popped popcorn and confections. Serial No. 469,987; July 25. Class 46.

Dome Chemicals Incorporated, New York, N. Y. Preparations for counteracting protein and vitamin B deficiencies. Serial No. 469,809; July 25. Class 6.

Donnin, Irving N., doing business under the trade name and style of El Encanto, Miami Beach, Fla. Perfumes, colognes, lotions. Serial No. 468,746; July 25. Class 6.

Durex Products, Inc., New York, N. Y. Antiseptic vaginal jelly. Serial No. 469,724; July 25. Class 6.

El Encanto. (See Donnin, Irving N.)

Epstein, Martin, New York, N. Y. Composition sheet material. Serial No. 468,602; July 25. Class 50.

Fabish, Louise, doing business as Seron, New York, Forest Hills, Long Island, N. Y. Perfumes, toilet water. Serial No. 468,072; July 25. Class 6.

Flur-O-Dent Company. (See Walnger, Samuel.)

French Importing Company. (See Scharfer, Harry.)

Garco Products, Inc., Connoquenessing, Pa. Comminuted mixture of silica and glass. Serial No. 468,787; July 25. Class 12.

Geist, Jack, & Co., New York, N. Y. Misses' and women's blouses, slack suits, and play suits. Serial No. 470,024; July 25. Class 39.

Gem Hosiery Company, New York, N. Y. Hosiery. Serial No. 460,259; July 25. Class 39.

General Aniline & Film Corporation, New York, N. Y. Sensitized photographic paper. Serial No. 470,884; July 25. Class 26.

Gilliland, John T., Brooklyn, N. Y. Commercial photographs. Serial No. 452,528; July 25. Class 38.

Gilman Brothers Co., The, Gilman, Conn. Fibrous cotton heat and sound insulating material. Serial No. 466,257; July 25. Class 12.

Gimbel Brothers, Inc., New York, N. Y. Men's, boys' and children's outer garments. Serial No. 470,305; July 25. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber cement. Serial No. 470,074; July 25. Class 5.

Grant, Foster, Co. Inc. Leominster, Mass. Pocket, dressing and hair combs. Serial No. 470,072; July 25. Class 40.

Greiner, William, Company, Chicago, Ill. Pigskin leather. Serial No. 469,836; July 25. Class 1.

Hannah & Hogg Distributing Company, Inc., Chicago, Ill. Whiskey, brandy, dry gin and sloe gin. Serial No. 469,837; July 25. Class 49.

Hearst Corporation, The, New York, N. Y. Newspaper section or department. Serial No. 469,766; July 25. Class 38.

Honhart, Jack C., doing business as Atlas Welding Accessories Company, Detroit, Mich. Welding accessories. Serial No. 461,033; July 25. Class 23.

Industrial Raw Materials Corporation, New York, N. Y. Wax prepared for sealing cracks in concrete. Serial No. 468,289; July 25. Class 12.

Industrial Raw Materials Corporation, New York, N. Y. Wax prepared for sealing cracks in concrete. Serial No. 468,293; July 25. Class 12.

Industrial Raw Materials Corporation, New York, N. Y. Wax. Serial No. 468,296; July 25. Class 44.

James Manufacturing Company, Fort Atkinson, Wis. Farm building doors. Serial No. 468,325; July 25. Class 12.

Kais, Inc., New York, N. Y. Hot iron transfers. Serial No. 466,583; July 25. Class 38.

Lenel Company. (See Rothschild, Lionel G.)

Levenson Company, The, Boston, Mass. Women's and misses' coats. Serial No. 469,680; July 25. Class 39.

Levy, Abraham, doing business as Plaskin Chemical Co., New York, N. Y. Preparation for medicinal and cosmetic treatment of the skin. Serial No. 463,077; July 25. Class 6.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' topcoats, overcoats, and suits. Serial No. 469,636; July 25. Class 39.

Little Sport Tog Mfg. Co., New York, N. Y. Boys', girls', children's and infants' wash suits, and wash dresses, coveralls, etc. Serial No. 469,775; July 25. Class 39.

Littlejohn & Co., Inc., New York, N. Y. Liquid tanning extract. Serial No. 469,776; July 25. Class 6.

Look, Incorporated, Des Moines, Iowa. Motion picture films, sound films, etc. Serial No. 469,231; July 25. Class 26.

Luxor Leathercraft Corporation, New York, N. Y. Wardrobe trunks, briefcases, hand luggage, etc. Serial No. 469,545; July 25. Class 3.

MacEslin and Company. (See MacEslin, Donald R.)

MacEslin, Donald R., doing business as MacEslin and Company, York, Pa. Preparation for the relief of headache, minor neuralgia, muscular aches and colds. Serial No. 469,408; July 25. Class 6.

Maupai, F. P., Dyeing Company, Inc., West New York, N. J. Textile fabrics in the piece. Serial No. 468,387; July 25. Class 42.
McKesson & Robbins, Incorporated, New York, N. Y. Antiseptic and analgesic. Serial No. 469,817; July 25. Class 6.
Milani, Louis, Foods, Chicago, Ill. Noodle soup mix with chicken fat. Serial No. 471,159; July 25. Class 46.
Milkmaid Inc., Paterson, N. J. Soap. Serial No. 467,896; July 25. Class 4.
Millman, Herman, New York, N. Y. Photographic developing racks. Serial No. 470,624; July 25. Class 26.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sheet material including paper and cloth. Serial No. 454,878; July 25. Class 50.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coated abrasives. Serial No. 469,573; July 25. Class 4.
Minnesota Paper and Cordage Co., Minneapolis, Minn. Periodical publication. Serial No. 456,320; July 25. Class 38.
Montgomery, Wm., Company, Philadelphia, Pa. Packaged breakfast cereals, salt, bottled fruit preserves, etc. Serial Nos. 439,312–13; July 25. Class 46.
Mott Steel Products Company, Detroit, Mich. Tools. Serial No. 469,690; July 25. Class 23.
Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 469,999; July 25. Class 27.
Munroe, Ivan, Tallahassee, Fla. Comic strip drawings. Serial Nos. 469,907–9; July 25. Class 38.
Myerson, Anne D., doing business as Wiz Products Company, Philadelphia, Pa. Nonalcoholic, maltless beverages, syrups and concentrates. Serial No. 470,083; July 25. Class 45.
National Association of Personnel Directors, Chicago, Ill. Publication. Serial No. 469,165; July 25. Class 38.
National Committee on Housing, Inc., New York, N. Y. Publication. Serial No. 469,859; July 25. Class 38.
Nelore Company, Chicago, Ill. Ointment. Serial No. 469,211; July 25. Class 6.
Nuodex Products Co., Inc., Elizabeth, N. J. Composition for the preservative treatment of cellulosic materials. Serial No. 469,015; July 25. Class 6.
Parfums Blanchard, New York, N. Y. Perfumes, toilet waters, bath powders, and skin lotions. Serial No. 466,540; July 25. Class 6.
Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready mixed paints, paint enamels, etc. Serial No. 469,091; July 25. Class 16.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 469,941; July 25. Class 6.
Permanente Metals Corporation, The, Oakland, Calif. Magnesia-containing products. Serial No. 460,534; July 25. Class 1.
Porcelain Enamel & Mfg. Co. of Baltimore, doing business as The Porcelain Enamel & Mfg. Co., Baltimore, Md. Fireproof inorganic ceramic coating composition. Serial No. 462,461; July 25. Class 16.
Porcelain Enamel & Mfg. Co., The. (See Porcelain Enamel & Mfg. Co. of Baltimore.)
Plaskin Chemical Co. (See Levy, Abraham.)
Press Wireless, Inc., Chicago, Ill. Radio transmitters and component parts thereof. Serial No. 470,630; July 25. Class 21.
Procter & Gamble Company, The, Cincinnati, Ohio. Soap. Serial No. 469,511; July 25. Class 4.
Reichhold Chemicals, Inc., Detroit, Mich. Synthetic plastic resins and solutions. Serial No. 470,230; July 25. Class 5.
Reid, Murdoch & Co., Chicago, Ill. Ginger ale and root beer. Serial No. 460,439; July 25. Class 45.
Reliance Merchandise Company, Chicago, Ill. Vanity cases. Serial No. 469,094; July 25. Class 2.
Rexon Inc., New York, N. Y. Cigarette and cigar holders, cigarette and cigar cases, pipes, etc. Serial No. 470,639; July 25. Class 8.
Rice, Newton J., doing business as Wimelbacher & Rice, New York, N. Y. Fabric gloves. Serial No. 469,968; July 25. Class 39.
Rigid-Tex Corporation, Buffalo, N. Y. Structurally reinforced ferrous and non-ferrous metal sheets. Serial No. 466,587; July 25. Class 14.
Rio-Mar Growers, Nogales, Ariz. Fresh vegetables. Serial No. 470,514; July 25. Class 46.
Rosenblatt, D. B., Incorporated, Minneapolis, Minn. Men's and women's overcoats. Serial No. 470,231; July 25. Class 39.
Rothschild, Lionel G., doing business as Lenel Company, Dallas, Tex. Cologne. Serial No. 469,279; July 25. Class 6.
Sandahl, Charles L., Austin, Tex. Non-alcoholic, noncereal, maltless beverages. Serial No. 470,004; July 25. Class 45.
Scharfer, Harry, doing business as French Importing Company, Chicago, Ill. Hair nets. Serial No. 469,346; July 25. Class 39.
Self & Jancik, Pharr, Tex. Fresh vegetables. Serial No. 470,045; July 25. Class 46.
Sentry Company, The, Foxboro, Mass. Furnaces (electrically heated), mufflers, and combustion tubes, etc. Serial No. 468,351; July 25. Class 34.
Seron, New York. (See Fabish, Louise.)
Skuttle Manufacturing Company, Detroit, Mich. Fabricated chimneys for fuel burning apparatus. Serial No. 468,165; July 25. Class 12.
Smith, Landon P., Inc., Irvington, N. J. Wedges for tool handles. Serial No. 464,733; July 25. Class 13.
Solomon, M. & S., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. Serial No. 469,519; July 25. Class 39.
Southern Tulare Olive Marketing Association, Terra Bella, Calif. Olives and olive oil. Serial No. 469,579; July 25. Class 46.
Square D Company, Detroit, Mich. Electric motor-like units. Serial No. 469,444; July 25. Class 21.
Standard Brands Incorporated, New York, N. Y. Vitaminic wafers. Serial No. 470,088; July 25. Class 6.
Stein, Hall Manufacturing Company, Chicago, Ill. Composition soya flour, malted cereal flour and a dextrine. Serial No. 467,903; July 25. Class 46.
Stockland Road Machinery Co., Minneapolis, Minn. Earth handling scoops. Serial No. 469,348; July 25. Class 23.
Stroman, Charles H., Claymont, Del. Printed music and song sheets. Serial No. 469,740; July 25. Class 38.
Sunset Line & Twine Co., San Francisco, Calif. Fishing lines. Serial No. 470,745; July 25. Class 22.
Textile Mills, Chicago, Ill. Ironing board pads and ironing board covers. Serial No. 469,851; July 25. Class 24.
Timber Engineering Company, Washington, D. C. Fastenings made of wood. Serial No. 465,588; July 25. Class 12.
Truscon Steel Company, Youngstown, Ohio. Wood windows. Serial No. 459,444; July 25. Class 12.
Valcort Hosiery Corporation, New York, N. Y. Ladies' and misses' hosiery. Serial No. 470,053; July 25. Class 39.
Vertical Visible Records Corporation, The, Newark, N. J. Record cards. Serial No. 470,011; July 25. Class 37.
Wainger, Samuel, doing business as Flur-O-Dent Company, Detroit, Mich. Dentifrice. Serial No. 469,582; July 25. Class 6.
Western Cartridge Company, New Haven, Conn. Periodical publications. Serial No. 461,029; July 25, 1944. Class 38.
White, H. Kirk, and Company, Oconomowoc, Wis. Developing etching ink. Serial No. 464,630; July 25. Class 11.
Whiting-Plover Paper Co., Stevens Point, Wis. Booklet. Serial No. 469,029; July 25. Class 38.
Wico Electric Company, West Springfield, Mass. Magnetos. Serial No. 470,549; July 25. Class 21.
Wimelbacher & Rice. (See Rice, Newton J.)
Wiz Products Company. (See Myerson, Anne D.)
Woodworth, N. A., Company, Ferndale, Mich. Thread plug gages, cylindrical plug gages, etc. Serial No. 470,782; July 25. Class 26.
Wyeth Incorporated, Philadelphia, Pa. Dried serum. Serial No. 469,921; July 25. Class 6.
Wyndale Manufacturing Corporation, Indianapolis, Ind. Metals. Serial No. 469,883; July 25. Class 14.
Yale Daily News, New Haven, Conn. Newspapers. Serial No. 460,280; July 25. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories. (See Milliken, John T., & Company.)
Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical condensers. 408,201; July 25; Serial No. 467,553; published May 16, 1944. Class 21.
American Oil Company, The, Baltimore, Md. Anti-freezing liquids. 408,193; July 25; Serial No. 467,423; published May 9, 1944. Class 6.
American Steel and Wire Company of New Jersey, The. (See Washburn & Moen Manufacturing Company, assignor.)
Anglim, W. G., doing business as Juliet Lingerie Co., St. Paul, Minn., assignor to Vanity Fair Mills, Inc., Reading, Pa. Ladies' silk lingerie. 185,482; renewed June 17, 1944.
Arabol Mf'g Co., The, New York, N. Y. Sizing, finishing, and detergent preparation. 190,408; renewed Oct. 14, 1944.
Arabol Mf'g Co., New York, N. Y. Preparation for boiling cotton fabrics. 190,409; renewed Oct. 14, 1944.
Arabol Mf'g Co., New York, N. Y. Adhesives having a cereal base. 191,582; renewed Nov. 11, 1944.

Arabol Mf'g Co., New York, N. Y. Wall size. 191,583; renewed Nov. 11, 1944.
Arbogast, Fred, Akron, Ohio. Artificial bait. 408,208; July 25; Serial No. 467,800; published May 16, 1944. Class 22.
Automatic Signal Corporation, East Norwalk, Conn. Motor driven electric circuit controllers. 408,156; July 25; Serial No. 447,859; published Feb. 23, 1943. Class 21.
Baldwin Perfumery Co., The, Chicago, Ill., assignor to Bourjois, Inc., New York, N. Y. Hair dressings, perfumes and essences, and perfume extracts, etc. 191,436; renewed Nov. 11, 1944.
Barbasol Company, The, Indianapolis, Ind. Toilet powder. 192,064; renewed Nov. 25, 1944.
Barker, Fred V., doing business as Barker's Meat Builder Co., Rhodell, W. Va. Conditioner for livestock. 408,230; July 25. Class 6.
Barker's Meat Builder Co. (See Barker, Fred V.)
Barr, Robert F., doing business as Southern Wholesale Jewelers, Valdosta, Ga. Diamond rings, wedding rings, and ladies' and men's stone set rings. 408,225; July 25. Class 28.
Best Foods, Inc., The, New York, N. Y. Leather dressings and polishes. 408,214–15; July 25; Serial Nos. 468,133–4; published May 9, 1944. Class 4.
Billow, Benjamin, New York, N. Y. Middy blouses, underwear, hosiery, etc. 186,884; renewed July 22, 1944.
Biltrite Collar Company, assignor to Phillips-Jones Corporation, New York, N. Y. Men's collars. 184,988; renewed June 3, 1944.
Birdsell Laboratories, Inc., South Bend, Ind. Mechanical razors and razor blades. 408,218; July 25. Class 23.
Blake, Moffitt & Towne, San Francisco, Calif. Printed paper, corrugated paper, bond paper, etc. 191,504; renewed Nov. 11, 1944.
Bloomingdale Bros., Inc., New York, N. Y. Ready-mixed paints. 408,199; July 25; Serial No. 467,511; published May 16, 1944. Class 16.
Blum & Bergeron, Houma, La. Canned shrimp. 191,738; renewed Nov. 18, 1944.
Bonzoline Manufacturing Company Limited, The, assignor to The Composition Billiard Ball Supply Company Limited, London, England. Golf, croquet, billiard balls, etc. 186,625; renewed July 22, 1944.
Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 191,545; renewed Nov. 11, 1944.
Bouchard, Mack, & Son, assignor to Bouchard Potato Co., Inc., Caribou, Maine. Seed potatoes. 191,695; renewed Nov. 18, 1944.
Bouchard Potato Co. (See Bouchard, Mack, & Son, assignor.)
Bourjois, Inc. (See Baldwin Perfumery Co., assignor.)
Bovinine Company, The, Chicago, Ill. Hematogens. 408,206; July 25; Serial No. 467,712; published May 9, 1944. Class 6.
Boyle, John, & Company, Incorporated, New York, N. Y. Awning stripes and ticking. 192,022–4; renewed Nov. 25, 1944.
Brewer & Company, Inc., Worcester, Mass. Abdominal supporters. 408,221; July 25. Class 44.
Brooks Bank Note Company, Springfield, Mass. Writing and printing paper. 408,229; July 25. Class 37.
Cadie Chemical Products, Inc., New York, N. Y. Cleaning, scouring, and polishing pads. 408,226; July 25. Class 4.
Canova Foods, Incorporated. (See Maury-Cole Company, assignors.)
Celotex Corporation, The, Chicago, Ill. Paints and painters' materials. 408,163; July 25; Serial No. 459,983; published May 2, 1944. Class 16.
Centennial Flouring Mills Co. (See Tacoma Grain Co., assignor.)
Chappel Bros., Inc., Rockford, assignor to The Quaker Oats Company, Chicago, Ill. Canned meat and cereals. 188,325–6; renewed Aug. 26, 1944.
Citrus Products Company, Chicago, Ill. Maltless-beverage flavors and beverages made therefrom. 191,551; renewed Nov. 11, 1944.
Clark Door Company, Inc., Newark, N. J. Motor-operated automatic folding door. 408,175; July 25; Serial No. 465,224; published May 16, 1944. Class 12.
Clute, Edgar W., doing business as E & E Hobby Supply Shop, Chicago, Ill. Dope in the nature of paint, thinner for paints, lacquers, and solvents. 408,189; July 25; Serial No. 467,334; published May 9, 1944. Class 16.
Columbia Varnish Company, Los Angeles, Calif. Ready-mixed paints, varnishes, and paint enamels. 190,768; renewed Oct. 21, 1944.
Columbia-Walescraft Co., New York, N. Y. Billfolds, wallets, key cases, etc. 408,168; July 25; Serial No. 464,476; published May 16, 1944. Class 3.
Composition Billiard Ball Supply Company Limited, The. (See Bonzoline Manufacturing Company Limited, The, assignor.)
Consolidated Diamond Saw Blade Corp., Yonkers, N. Y. Diamond grinding wheels, diamond cut-off blades, and diamond slicing blades. 408,170; July 25; Serial No. 464,598; published May 9, 1944. Class 4.
Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplanes and structural parts thereof. 408,172; July 25; Serial No. 464,811; published May 16, 1944. Class 19.
Continental-Diamond Fibre Company, Newark, Del. Built-up mica plate. 408,167; July 25; Serial No. 463,775; published May 16, 1944. Class 1.
Crane Packing Company, Chicago, Ill. Lubricants. 408,231; July 25. Class 15.
Crane, Z. & W. M., Inc., Dalton, Mass. Writing paper and mailing envelopes. 185,394; renewed June 17, 1944.
Dame Nature Co., Chicago, Ill., and New York, to Dame Nature Co., Inc., New York, N. Y. Compact rouge, skin-improver cream, compact powder, etc. 192,106; renewed Nov. 25, 1944.
Dame Nature Co., Inc. (See Dame Nature Co.)
Davidson Manufacturing Corporation, Chicago, Ill. Powder used in the printing industry. 408,209; July 25; Serial No. 467,804; published May 9, 1944. Class 6.
Davidson Manufacturing Corporation, Chicago, Ill. Powder that is applied to a lithographic plate. 408,210; July 25; Serial No. 467,806; published May 9, 1944. Class 6.
Davis Engineering Corporation, Wilmington, Del., and Elizabeth, to Davis Engineering Corporation, Elizabeth, N. J. Combination gas and water heaters. 190,189; renewed Oct. 7, 1944.
Delaware Coca Cola Bottling Company, Wilmington, Del., assignor to Seminole Flavor Company, Chattanooga, Tenn. Ginger ale. 185,278; renewed June 10, 1944.
De Long Hook and Eye Company, The, Philadelphia, Pa. Bob pins. 408,196–7; July 25; Serial Nos. 467,488–9; published May 16, 1944. Class 40.
Dri-Wear Fur Processing Corporation, New York, N. Y. Chemicals for treating furs. 408,222; July 25. Class 6.
E-Z Chemical Company. (See Gibbs, Malcolm G., assignor.)
Elgin American Manufacturing Co., assignor, by mesne assignments, to Illinois Watch Case Co. Cosmetic containers. 191,119; renewed Nov. 4, 1944.
Elowsky, S. M., & Co., Brooklyn, assignor, by mesne assignments, to Sporteens, Inc., New York, N. Y. Athletic apparel. 176,270; renewed Nov. 20, 1943.
Elrex Watch Company, Inc., New York, N. Y. Watches. 408,220; July 25. Class 27.
Fisk Rubber Company, The, Chicopee Falls, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Vehicle tires. 189,831; renewed Sept. 30, 1944.
Food Fair Stores, Inc., Philadelphia, Pa. Carbonated, non-alcoholic, non-cereal, maltless beverages. 408,213; July 25; Serial No. 467,883; published May 9, 1944. Class 45.
Forrest Knitting Mills. (See Highland Shaker Sweater Co.)
Freedom Oil Company, Freedom, Pa. Paint thinner. 408,216; July 25; Serial No. 468,412; published May 16, 1944. Class 16.
Gem Hammock & Fly Net Company, The, Milwaukee, Wis. Brooms and mops. 183,806; renewed May 6, 1944.
Gem Products, Inc., Milwaukee, Wis. Oil type furniture polish, wood-scratch remover, liquid polishing wax, etc. 408,188; July 25; Serial No. 467,031; published May 9, 1944. Class 16.
Gibbs, Malcolm G., doing business as Key Chemical Company, assignor to E-Z Chemical Company, Washington, D. C. Laxative medicinal preparation. 191,920; renewed Nov. 25, 1944.
Gibford-Weiffenbach Company, doing business as The Habanix Leather Products Company, assignor, by mesne assignments, to The Suntorbach Company, Adrian, Mich. Belts for personal wear. 190,306; renewed Oct. 14, 1944.
Globe Beverage Co. (See Grassini, Frank L.)
Glover, H. Clay, Co., Inc., New York, N. Y. Animal medicines. 192,113; renewed Nov. 25, 1944.
Goodyear Tire & Rubber Company, Akron, Ohio. Thermal and sound insulating material. 408,185–6; July 25; Serial Nos. 466,794–5; published May 16, 1944. Class 12.
Grassini, Frank L., doing business as Globe Beverage Co., to P. Salotti, doing business as Globe Beverage Co., Chicago, Ill., successor. Nonalcoholic, maltless beverage. 182,593; renewed Apr. 15, 1944.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 408,223; July 25. Class 27.
Gyro-Balance Corporation, Greenwich, Conn. Machine for balancing masses, machines for producing, measuring, etc. 408,169; July 25; Serial No. 464,506. Class 26.
Habanix Leather Products. (See Gibford-Weiffenbach Company.)
Harris, J. E., Company, The, Wooster, Ohio, and Atlanta, Ga. Flat wall paint. 408,171; July 25; Serial No. 464,781; published May 16, 1944. Class 16.
Hearn Department Stores. (See Hearn, James A., & Son Inc., assignor.)
Hearn, James A., & Son Inc., assignor to Hearn Department Stores, Inc., New York, N. Y. Table linens, linen towels, and toweling. 191,178; renewed Nov. 4, 1944.

Hecht, George J., assignor to The Parent's Institute, Inc., New York, N. Y. Printed periodical. 190,516; renewed Oct. 14, 1944.
Heileman, G., Brewing Co., La Crosse, Wis. Beer. 408,190; July 25; Serial No. 467,336; published May 9, 1944. Class 48.
Heller, B., & Company, Chicago, Ill. Dry powder preparation used in making pies, etc. 188,263; renewed Aug. 19, 1944.
Heller, B., & Company, Chicago, Ill. Preparation used to increase the viscosity or thickness and to improve malted milk and other food beverages. 188,319; renewed Aug. 26, 1944.
Heller, B., & Company, Chicago, Ill. Chemical preparation. 189,403; renewed Sept. 16, 1944.
Heller, B., & Company, Chicago, Ill. Imitation-lemon flavoring compound. 189,985; renewed Sept. 30, 1944.
Heller, B., & Company, Chicago, Ill. Imitation-orange flavoring compound. 189,986; renewed Sept. 30, 1944.
Highland Knitting Mills. (See Highland Shaker Sweater Co., assignor.)
Highland Shaker Sweater Co., Camden, N. J., assignor to Highland Knitting Mills, also doing business as Forrest Knitting Mills, Philadelphia, Pa. Knitted sweaters, caps, and scarfs, etc. 190,199; renewed Oct. 7, 1944.
Hobby, E & E, Supply Shop. (See Clute, Edgar W.)
Hoffman, E. A., Candy Co., Inc., Los Angeles, Calif. Candy. 191,954; renewed Nov. 25, 1944.
Idaho Canning Company, Limited, Payette, Idaho. Canned vegetables. 186,734; renewed July 22, 1944.
Illinois Watch Case Co. (See Elgin American Manufacturing Co., assignor.)
International Industries, Inc., Ann Arbor, Mich. Cameras, enlargers for making enlarged prints from photographic films, projectors, etc. 408,155; July 25; Serial No. 443,506; published July 15, 1941. Class 26.
Irvine Company, The, Tustin, Calif. Fresh vegetables. 188,208; renewed Aug. 19, 1944.
Jewell Electrical Instrument Co., Chicago, Ill., assignor, by mesne assignments, to Jewell Electrical Instrument Company, Newark, N. J. Electrical measuring instruments. 188,645; renewed Sept. 2, 1944.
Johns-Manville Corporation, New York, N. Y. Impregnated, chemically resistant asbestos cement sheets or slabs. 408,166; July 25; Serial No. 462,994; published May 16, 1944. Class 12.
Juliet Lingerie Co. (See Anglim, W. G.)
Kansas City Macaroni & Importing Co., Kansas City, Mo. Alimentary pastes. 186,497; renewed June 22, 1944.
Katz, Joseph M., Pittsburgh, Pa. Stationery. 408,200; July 25; Serial No. 467,525; published May 16, 1944. Class 37.
Key Chemical Company. (See Gibbs, Malcolm G.)
Killiant Chemical Company. (See Nowlin, H. B.)
Lande & Miskend, to Lande & Miskend, Inc., New York, N. Y., successor. Women's silk undergarments and negligees. 189,326; renewed Sept. 16, 1944.
Lowe, Joe, Co. Inc., Brooklyn, assignor to Joe Lowe Corporation, New York, N. Y. Cake, ice cream, and bread. 191,797; renewed Nov. 18, 1944.
Lowe, Joe, Corporation. (See Lowe, Joe, Co. Inc., assignor.)
Madison-Kipp Corporation, Madison, Wis. Die castings. 408,224; July 25. Class 14.
Magnet Mills, Inc. (See Voorhees, Joseph P., assignor.)
Manteca Canning Company, Manteca, Calif. Canned fruits and canned vegetables. 190,898; renewed Oct. 28, 1944.
Maury-Cole Company, assignor, by mesne assignments, to Canova Foods, Incorporated, Memphis, Tenn. Coffee. 190,375; renewed Oct. 14, 1944.
Max Ams, Inc., New York, N. Y. Prune juice, prune concentrate, and prune butter. 408,176; July 25; Serial No. 465,595; published May 9, 1944. Class 46.
Mellier Company, Perfumer. (See Sanitol Company, The, assignor.)
Merrell, Wm. S., Company, The, Cincinnati and Lockland Station, Ohio. Bacteriostatic and detergent local application. 408,177; July 25; Serial No. 466,012; published May 9, 1944. Class 6.
Mestre, Jose R., Barcelona, Spain. Pharmaceutical preparations. 187,413; renewed Aug. 5, 1944.
Milliken, John T., & Company, St. Louis, Mo., to Abbott Laboratories, North Chicago, Ill., successor. Preparation for bathing and massaging the skin. 190,300; renewed Oct. 14, 1944.
Morley, I. & R., assignor to I. & R. Morley, Limited, London, England. Underwear. 183,790; renewed May 6, 1944.
Morley, I. & R. Limited. (See Morley, I. & R., assignor.)
National Retailer-Owned Grocers, Inc., Chicago, Ill. Sanitary napkins. 408,157; July 25; Serial No. 457,315; published Feb. 2, 1943. Class 44.
National Telephone Supply Company, The, Cleveland, Ohio. Electrical connecting units. 408,217; July 25; Serial No. 468,467; published May 16, 1944. Class 21.
Niagara Blower Company, Buffalo and New York, N. Y. Blower type evaporative heat exchangers. 408,162; July 25; Serial No. 459,941; published July 13, 1943. Class 34.
Norton Coal Corporation. (See Sunlight Collieries Company.)
Norton Coal Mining Company, to Norton Coal Corporation, Nortonville, Ky. Coal. 191,001; renewed Oct. 28, 1944.
Nowlin, Addie Clark. (See Nowlin, H. B., assignor.)
Nowlin, H. B., doing business as Killiant Chemical Company, assignor to Addie Clark Nowlin, Fort Worth, Tex. Chemical composition for destroying insects. 190,410; renewed Oct. 14, 1944.
O-Cedar Corp'n., Chicago, Ill. Polish. 189,252; renewed Sept. 16, 1944.
Old Dutch Industrial Products Co., Inc., Kearney, N. J. Shoe dressings. 408,191; July 25; Serial No. 467,376; published May 9, 1944. Class 4.
O'Steen, James T., doing business as OTS Relief Co., Wichita Falls, Tex. Preparation for treatment of piles and hemorrhoids. 408,194; July 25; Serial No. 467,464; published May 9, 1944. Class 6.
OTS Relief Co. (See O'Steen, James T.)
Pardy, Eva, Chicago, Ill. Salve. 182,817; renewed Apr. 15, 1944.
Parents' Institute, Inc. (See Hecht, George J., assignor.)
Parfumerie Roger et Gallet, S. A., Paris, France. Soaps in cake form, soap pastes, and soap powders. 187,283; renewed July 29, 1944.
Parfumerie Roger et Gallet, S. A., Paris, France. Pastes, powders, and perfumery. 187,411; renewed Aug. 5, 1944.
Pennsylvania Pulverizing Company, Lewistown, Pa. Silica. 188,500–1; renewed Aug. 26, 1944.
Pennsylvania Pulverizing Company, Lewistown, Pa. Pulverized or ground silica. 189,661; renewed Sept. 23, 1944.
Pennsylvania Pulverizing Company, Lewistown, Pa. Feldspar. 190,844; renewed Oct. 28, 1944.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Solvent emulsion cleaners. 408,183–4; July 25; Serial Nos. 466,707–8; published May 9, 1944. Class 4.
Pennzoil Company, The. (See Pennzoil Co. Inc., assignor.)
Pennzoil Co. Inc., Buffalo, N. Y., assignor to The Pennzoil Company, Oil City, Pa. Lubricants in oil and grease form. 189,005; renewed Sept. 9, 1944.
Pennzoil Co. Inc., Buffalo, N. Y., assignor to The Pennzoil Company, Oil City, Pa. Lubricants in oil and grease form. 190,711; renewed Oct. 21, 1944.
Phillips-Jones Corporation. (See Biltrite Collar Company, assignor.)
Phillips Petroleum Company, Bartlesville, Okla. Carbon compounding material. 408,178; July 25; Serial No. 466,101; published May 16, 1944. Class 1.
Phillips Petroleum Company, Bartlesville, Okla. Carbon black. 408,179; July 25; Serial No. 466,102; published May 16, 1944. Class 1.
Porocel Corporation, Wilmington, Del., and Philadelphia, Pa. Bauxite. 408,187; July 25; Serial No. 466,929; published May 9, 1944. Class 6.
Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 190,359; renewed Oct. 14, 1944.
Procter & Gamble Company, Cincinnati, Ohio. Red oil. 191,487; renewed Nov. 11, 1944.
Progressive Hat Mfg. Co., St. Louis, Mo. Ladies', misses' and children's hats. 188,040; renewed Aug. 19, 1944.
Psyllium Company, The, Towson, Md. Vitamin preparations. 408,164; July 25; Serial No. 460,035; published June 29, 1943. Class 6.
Quaker Chemical Products Corporation, Conshohocken, Pa. Textile finishes. 408,212; July 25; Serial No. 467,860; published May 9, 1944. Class 6.
Quaker Chemical Products Corporation, Conshohocken, Pa. Soaps. 408,228; July 25. Class 4.
Quaker Oats Company, The. (See Chappel Bros., Inc., assignor.)
Quaker Oats Company, The, Chicago, Ill. Rolled oats and wheat flour. 186,088; renewed July 1, 1944.
Quaker Oats Company, The, Chicago, Ill. Poultry feed. 188,553; renewed Aug. 26, 1944.
Radio Development & Research Corporation, New York, N. Y. Electronic equipment and accessories. 408,159; July 25; Serial No. 459,084; published May 16, 1944. Class 21.
Rand Company, Inc., North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Indexes. 191,585–6; renewed Nov. 11, 1944.
Reaco Products. (See Reamer, I. Thomas.)
Reamer, I. Thomas, doing business as Reaco Products, Durham, N. C. Medicinal preparation for asthma. 408,205; July 25; Serial No. 467,700; published May 9, 1944. Class 6.
Regal Knitting Company, assignor to Regal Knitwear Co. Inc., New York, N. Y. Knitted wear for infants and children. 188,058; renewed Aug. 19, 1944.
Regal Knitwear Co. Inc. (See Regal Knitting Company, assignor.)
Reliance Varnish Company, Inc., Louisville, Ky. Base lacquers, ready mixed paints, varnishes, etc. 408,219; July 25. Class 16.
Remington Rand Inc. (See Rand Company, Inc., assignor.)
Rowntree and Company, Limited, doing business as Rowntree's and Rowntree & Co. Ltd., York, England, and Poughkeepsie, N. Y., to Rowntree & Company Limited, York, England. Cough drops. 189,541; renewed Sept. 23, 1944.

Rowntree and Company Limited, York, England, and Poughkeepsie, N. Y., to Rowntree & Company Limited, York, England. Candy. 190,913; renewed Oct. 28, 1944.
Rowntree's and Rowntree & Co., Ltd. (See Rowntree and Company, Limited.)
Salotti, Peter. (See Grassini, Frank L.)
Sanitol Company, The, St. Louis, Mo., assignor to Mellier Company, Perfumer, to Mellier Company, Perfumer, New York, N. Y. Perfume, toilet water, face powder, etc. 191,922; renewed Nov. 25, 1944.
Savogran Company, The, Boston, Mass. Cleaning compound for painted surfaces, etc. 408,180; July 25; Serial No. 466,106; published May 9, 1944. Class 4.
Schultz-Rosky-Block Co., Chicago, Ill. Knitted underwear, sweater coats, bathing suits, etc. 191,725; renewed Nov. 18, 1944.
Scott, William J., doing business as Scott's Laboratories, assignor to Scott's Laboratories, Chicago, Ill. Toilet preparations. 188,468; renewed Aug. 26, 1944.
Scott's Laboratories. (See Scott, William J., assignor.)
Sears, Roebuck and Co., Chicago, Ill. Power boats and row boats. 408,160; July 25; Serial No. 459,638; published May 16, 1944. Class 19.
Security Mills, Knoxville, Tenn., by change of name Security Mills, Inc. Horse, dairy, and scratch feed. 191,879; renewed Nov. 18, 1944.
Security Mills, Inc. (See Security Mills.)
Seminole Flavor Company. (See Delaware Coca Cola Bottling Company, assignor.)
Shaw, Virgil E., Rockford, Ill. Metal flux for brazing cast iron. 191,488; renewed Nov. 11, 1944.
Shearer, Thomas R., Verona, N. J. Chemical composition for sealing or waterproofing. 408,182; July 25; Serial No. 466,554; published May 9, 1944. Class 6.
Shipmark Company, Worcester, Mass. Writing paper and envelopes. 408,227; July 25. Class 37.
Southern Wholesale Jewelers. (See Barr, Robert F.)
Southport Paint Company, Inc., Savannah, Ga. Automobile top dressings. 408,165; July 25; Serial No. 462,859; published May 9, 1944. Class 4.
Sperti, Inc., Cincinnati, Ohio. Sterile dressing. 408,158; July 25; Serial No. 457,192; published May 9, 1944. Class 6.
Sporteens, Inc. (See Elowsky, S. M., & Co., assignor.)
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Heating and illuminating oils. 408,202; July 25; Serial No. 467,624; published May 16, 1944. Class 15.
Stein, Fred, Laboratories, The, Atchison, Kans. Apparatus for testing the amount of moisture in materials. 408,192; July 25; Serial No. 467,412; published May 16, 1944. Class 26.
Sun Oil Company, Philadelphia, Pa. Lubricating oil. 184,899–900; renewed June 3, 1944.
Sunlight Collieries Company, to Norton Coal Corporation, Nortonville, Ky., successor. Coal. 185,308; renewed June 10, 1944.
Suntorbach Company. (See Gibford-Weiffenbach Company, assignor.)
Tacoma Grain Co., Tacoma, assignor to Centennial Flouring Mills Co., Seattle, Wash. Wheat flour. 191,938; renewed Nov. 25, 1944.
Thermo Electric Manufacturing Co., Dubuque, Iowa. Electric furnaces. 408,173; July 25; Serial No. 464,930; published Feb. 15, 1944. Class 21.
Tremco Manufacturing Company, The, Cleveland, Ohio. Paint enamels. 408,181; July 25; Serial No. 466,182; published May 16, 1944. Class 16.
United Conveyor Corporation, Chicago, Ill. Plastic pipe joint cement. 408,161; July 25; Serial No. 459,797; published May 16, 1944. Class 12.
Universal Zonolite Insulation Co., Chicago, Ill. Poultry litter. 408,203; July 25; Serial No. 467,628; published May 16, 1944. Class 1.
Valentine Laboratories, Inc., Chicago, Ill. Vitamin preparation. 408,195; July 25; Serial No. 467,478; published May 9, 1944. Class 6.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Petroleum composition. 408,198; July 25; Serial No. 467,503; May 9, 1944. Class 6.
Vanity Fair Mills, Inc. (See Anglim, W. G., assignor.)
Van Pelt & Brown, Inc., Richmond, Va. Medicinal preparation for increasing the hemoglobin content of the blood. 408,232; July 25. Class 6.
Vegetable Ivory Button Institute, Inc., New York, N. Y. Vegetable ivory buttons. 408,174; July 25; Serial No. 465,163; published May 16, 1944. Class 40.
Vestal Chemical Company, St. Louis, Mo. Soaps; lavatory, toilet, and floor cleaners, and metal polishes. 191,634; renewed Nov. 11, 1944.
Voorhees, Joseph P., New York, N. Y., assignor to Magnet Mills, Inc., Clinton, Tenn. Hosiery. 190,193; renewed Oct. 7, 1944.
Walker Vitamin Products, Inc., Mt. Vernon, N. Y. Vitamins and vitamin combinations. 408,211; July 25; Serial No. 467,830; published May 9, 1944. Class 6.
Warner, William R., & Co. Inc., Wilmington, Del., and New York, N. Y. Medicinal preparations. 408,207; July 25; Serial No. 467,775; published May 9, 1944. Class 6.
Washburn & Moen Manufacturing Company, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Steel, iron, and copper wire. 24,805; renewed May 29, 1944.
Weatherbest Corporation. (See Weatherbest Stained Shingle Co., Inc., assignor.)
Weatherbest Stained Shingle Co. Inc., assignor to Weatherbest Corporation, North Tonawanda, N. Y. Shingles. 190,430; renewed Oct. 14, 1944.
West American Rubber Company, Los Angeles, Calif. Machinery packing. 187,953; renewed Aug. 12, 1944.
Wheelan, Robert B., New York, N. Y. Radio loud speakers. 190,476; renewed Oct. 14, 1944.
White, George Starr, Los Angeles, Calif. Therapeutic pads. 192,001; renewed Nov. 25, 1944.
Wild & Company, to George A. Wild, doing business as Wild & Company, Ann Arbor, Mich., successor. Men's clothing and furnishings. 185,611; renewed June 24, 1944.
Wild, George A. (See Wild & Company.)
Woodworth, N. A., Company, Ferndale, Mich. Gage for measuring comparative sizes of machined parts or the like. 408,204; July 25; Serial No. 467,636; published May 16, 1944. Class 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbon black. Phillips Petroleum Company. 408,179; July 25; Serial No. 466,102; published May 16, 1944.
Carbon compounding material. Phillips Petroleum Company. 408,178; July 25; Serial No. 466,101; published May 16, 1944.
Coal. Sunlight Collieries Company. 185,308; renewed June 10, 1944.
Coal. Norton Coal Mining Company. 191,001; renewed Oct. 28, 1944.
Feldspar. Pennsylvania Pulverizing Company. 190,844; renewed Oct. 28, 1944.
Litter, Poultry. Universal Zonolite Insulation Co. 408,203; July 25; Serial No. 467,628; published May 16, 1944.
Mica plate, Built-up. Continental-Diamond Fibre Company. 408,167; July 25. Serial No. 463,775; published May 16, 1944.
Seed potatoes. Mack Bouchard & Son. 191,695; renewed Nov. 18, 1944.
Silica. Pennsylvania Pulverizing Company. 188,500–1; renewed Aug. 26, 1944.
Silica, Pulverized or ground. Pennsylvania Pulverizing Company. 189,661; renewed Sept. 23, 1944.

CLASS 2

Cosmetic containers. Elgin American Manufacturing Co. 191,119; renewed Nov. 4, 1944.

CLASS 3

Billfolds, wallets, key cases, etc. Columbia-Walescraft Co. 408,168; July 25. Serial No. 464,476; published May 16, 1944.

CLASS 4

Cleaning compound for painted surfaces, etc. Savogran Company. 408,180; July 25; Serial No. 466,106; published May 9, 1944.
Cleaning, scouring, and polishing pads. Cadie Chemical Products, Inc. 408,226; July 25.
Dressings and polishes, Leather. Best Foods, Inc. 408,214–15; July 25; Serial Nos. 468,133–4; published May 9, 1944.
Dressings, Shoe. Old Dutch Industrial Products Co. 408,191; July 25; Serial No. 467,376; published May 9, 1944.
Grinding wheels, diamond cut-off blades and diamond slicing blades, Diamond. Consolidated Diamond Saw Blade Corp. 408,170; July 25; Serial No. 464,598; published May 9, 1944.
Soap. Procter & Gamble Company. 190,359; renewed Oct. 14, 1944.
Soaps. Quaker Chemical Products Corporation. 408,228; July 25.
Soaps in cake form, soap pastes, and soap powders. Parfumerie Roger et Gallet, S. A. 187,283; renewed July 29, 1944.
Soaps, lavatory, toilet and floor cleaners, and metal polishes. Vestal Chemical Company. 191,634; renewed Nov. 11, 1944.
Solvent emulsion cleaners. Pennsylvania Salt Manufacturing Company. 408,183–4; July 25; Serial Nos. 466,707–8; published May 9, 1944.
Top dressings, Automobile. Southport Paint Company. 408,165; July 25; Serial No. 462,859; published May 9, 1944.

CLASS 5

Adhesives having a cereal base. Arabol Mf'g Co. 191,582; renewed Nov. 11, 1944.
Size, Wall. Arabol Mf'g Co. 191,583; renewed Nov. 11, 1944.

CLASS 6

Animal medicines. H. Clay Glover Co. 192,113; renewed Nov. 25, 1944.
Anti-freezing liquids. American Oil Company. 408,193; July 25; Serial No. 467,423; published May 9, 1944.
Bacteriostatic and detergent local application. Wm. S. Merrell Company. 408,177; July 25; Serial No. 466,012; published May 9, 1944.
Bauxite. Porocel Corporation. 408,187; July 25; Serial No. 466,929; published May 9, 1944.
Chemical composition for destroying insects. H. B. Nowlin. 190,410; renewed Oct. 14, 1944.
Chemical composition for sealing or waterproofing. T. R. Shearer. 408,182; July 25; Serial No. 466,554; published May 9, 1944.
Chemical preparations. B. Heller & Company. 189,403; renewed Sept. 16, 1944.
Chemicals for treating furs. Dri-Wear Fur Processing Corporation. 408,222; July 25.
Conditioner for livestock. F. V. Barker. 408,230; July 25.
Cough drops. Rowntree and Company. 198,541; renewed Sept. 23, 1944.
Flux for brazing cast iron, Metal. V. E. Shaw. 191,488; renewed Nov. 11, 1944.
Hair dressings, perfumes and essences and perfume extracts, etc. Baldwin Perfumery Co. 191,436; renewed Nov. 11, 1944.
Hematogens. Bovinine Company. 408,206; July 25; Serial No. 467,712; published May 9, 1944.
Laxative medicinal preparation. M. G. Gibbs. 191,920; renewed Nov. 25, 1944.
Medicinal preparation for asthma. I. T. Reamer. 408,205; July 25; Serial No. 467,700; published May 9, 1944.
Medicinal preparation for increasing the hemoglobin content of the blood. Van Pelt & Brown, Inc. 408,232; July 25.
Medicinal preparations. William R. Warner & Co. Inc. 408,207; July 25; Serial No. 467,775; published May 9, 1944.
Oil, Red. Procter & Gamble Company. 191,487; renewed Nov. 11, 1944.
Pastes, powders and perfumery. Parfumerie Roger et Gallet, S. A. 187,411; renewed Aug. 5, 1944.
Perfume, toilet water, face powder, etc. Sanitol Company. 191,922; renewed Nov. 25, 1944.
Petroleum composition. R. T. Vanderbilt Company. 408,198; July 25; Serial No. 467,503; published May 9, 1944.
Pharmaceutical preparations. J. R. Mestre. 187,413; renewed Aug. 5, 1944.
Powder that is applied to a lithographic plate. Davidson Manufacturing Corporation. 408,210; July 25; Serial No. 467,806; published May 9, 1944.
Powder, Toilet. Barbasol Company. 192,064; renewed Nov. 25, 1944.
Powder used in the printing industry. Davidson Manufacturing Corporation. 408,209; July 25; Serial No. 467,804; published May 9, 1944.
Preparation for bathing and massaging the skin. J. T. Milliken & Company. 190,300; renewed Oct. 14, 1944.
Preparation for boiling cotton fabrics. Arabol Mf'g Co. 190,409; renewed Oct. 14, 1944.
Preparation for treatment of piles and hemorrhoids. J. T. O'Steen. 408,194; July 25; Serial No. 467,464; published May 9, 1944.
Rouge, skin-improver cream, compact powder, etc., Compact. Dame Nature Co. 192,106; renewed Nov. 25, 1944.
Salve. E. Pardy. 182,817; renewed Apr. 15, 1944.
Sizing, finishing, and detergent preparation. Arabol Mf'g Co. 190,408; renewed Oct. 14, 1944.
Sterile dressing. Sperti, Inc. 408,158; July 25; Serial No. 457,192; published May 9, 1944.
Textile finishes. Quaker Chemical Products Corporation. 408,212; July 25; Serial No. 467,860; published May 9, 1944.
Toilet preparations. W. J. Scott. 188,468; renewed Aug. 26, 1944.
Vitamin preparation. Valentine Laboratories, Inc. 408,195; July 25; Serial No. 467,478; published May 9, 1944.
Vitamin preparations. Psyllium Company. 408,164; July 25; Serial No. 460,035; published June 29, 1943.
Vitamins and vitamin combinations. Walker Vitamin Products, Inc. 408,211; July 25; Serial No. 467,830; published May 9, 1944.

CLASS 12

Cement, Plastic pipe joint. United Conveyor Corporation. 408,161; July 25; Serial No. 459,797; published May 16, 1944.
Cement sheets or slabs, Impregnated, chemically resistant asbestos. Johns-Manville Corporation. 408,166; July 25; Serial No. 462,994; published May 16, 1944.
Door, Motor-operated automatic folding. Clark Door Company. 408,175; July 25; Serial No. 465,224; published May 16, 1944.
Insulating material, Thermal and sound. Goodyear Tire & Rubber Company. 408,185–6; July 25; Serial Nos. 466,794–5; published May 16, 1944.
Shingles. Weatherbest Stained Shingle Co. Inc. 190,430; renewed Oct. 14, 1944.

CLASS 14

Die castings. Madison-Kipp Corporation. 408,224; July 25.
Steel, iron, and copper wire. Washburn & Moen Manufacturing Company. 24,805; re-renewed May 29, 1944.

CLASS 15

Oils, Heating and illuminating. Standard Oil Company of California. 408,202; July 25; Serial No. 467,624; published May 16, 1944.
Oils, Lubricating. Sun Oil Company. 184,899–900; renewed June 3, 1944.
Lubricants. Crane Packing Company. 408,231; July 25.
Lubricants in oil and grease form. Pennzoil Co. Inc. 189,005; renewed Sept. 9, 1944.
Lubricants in oil and grease form. Pennzoil Co. Inc. 190,711; renewed Oct. 21, 1944.

CLASS 16

Dope in the nature of paint, thinner for paints, lacquers, and solvents. E. W. Clute. 408,189; July 25; Serial No. 467,334; published May 9, 1944.
Lacquers, ready mixed paints, varnishes, etc., Base. Reliance Varnish Company. 408,219; July 25.
Paint enamels. Tremco Manufacturing Company. 408,181; July 25; Serial No. 466,182; published May 16, 1944.
Paint, Flat wall. J. E. Harris Company. 408,171; July 25; Serial No. 464,781; published May 16, 1944.
Paint thinner. Freedom Oil Company. 408,216; July 25; Serial No. 468,412; published May 16, 1944.
Paints and painters' materials. Celotex Corporation. 408,163; July 25; Serial No. 459,983; published May 2, 1944.
Paints, Ready-mixed. Bloomingdale Bros., Inc. 408,199; July 25; Serial No. 467,511; published May 16, 1944.
Paints, varnishes, and paint enamels, Ready-mixed. Columbia Varnish Company. 190,768; renewed Oct. 21, 1944.
Polish. O-Cedar Corp'n. 189,252; renewed Sept. 16, 1944.
Polish, wood-work scratch remover, liquid polishing wax, etc., Oil type furniture. Gem Products, Inc. 408,188; July 25; Serial No. 467,031; published May 9, 1944.

CLASS 19

Airplanes and structural parts thereof. Consolidated Vultee Aircraft Corporation. 408,172; July 25; Serial No. 464,811; published May 16, 1944.
Boats and row boats, Power. Sears, Roebuck and Co. 408,160; July 25; Serial No. 459,638; published May 16, 1944.

CLASS 21

Electric circuit controllers, Motor driven. Automatic Signal Corporation. 408,156; July 25; Serial No. 447,859; published Feb. 23, 1943.
Electrical condensers. Aircraft-Marine Products Inc. 408,201; July 25; Serial No. 467,553; published May 16, 1944.
Electrical connecting units. National Telephone Supply Company. 408,217; July 25; Serial No. 468,467; published May 16, 1944.
Electronic equipment and accessories. Radio Development & Research Corporation. 408,159; July 25; Serial No. 459,084; published May 16, 1944.
Furnaces, Electric. Thermo Electric Manufacturing Co. 408,173; July 25; Serial No. 464,930; published Feb. 15, 1944.
Radio loud speakers. R. B. Wheelan. 190,476; renewed Oct. 14, 1944.

CLASS 22

Bait, Artificial. F. Arbogast. 408,208; July 25; Serial No. 467,800; published May 16, 1944.
Balls, Golf, croquet, billiard, etc. Bonsoline Manufacturing Company Limited. 186,625; renewed July 22, 1944.

CLASS 23

Razors and razor blades, Mechanical. Birdsell Laboratories, Inc. 408,218; July 25.

CLASS 26

Apparatus for testing the amount of moisture in materials. Fred Stein Laboratories. 408,192; July 25; Serial No. 467,412; published May 16, 1944.
Cameras, enlargers, projectors, etc. International Industries, Inc. 408,155; July 25; Serial No. 443,508; published July 15, 1941.
Gage for measuring comparative sizes of machined parts or the like. N. A. Woodworth Company. 408,204; July 25; Serial No. 467,636; published May 16, 1944.

Machine for balancing masses, machines for producing, measuring, etc. Gyro-Balance Corporation. 408,169; July 25; Serial No. 464,506.
Measuring instruments, Electrical. Jewell Electrical Instrument Co. 188,645; renewed Sept. 2, 1944.

CLASS 27

Watches. Elrex Watch Company. 408,220; July 25.
Watches, watch cases and watch movements. Gruen Watch Company. 408,223; July 25.

CLASS 28

Rings, wedding rings, and ladies' and men's stone set rings, Diamond. R. F. Barr. 408,225; July 25.

CLASS 29

Brooms and mops. Gem Hammock & Fly Net Company. 183,806; renewed May 6, 1944.

CLASS 34

Heat exchangers, Blower type evaporative. Niagara Blower Company. 408,162; July 25; Serial No. 459,941; published July 13, 1943.
Heaters, Combination gas and water. Davis Engineering Corporation. 190,189; renewed Oct. 7, 1944.

CLASS 35

Machinery packing. West American Rubber Company. 187,953; renewed Aug. 12, 1944.
Tires, Vehicle. Fisk Rubber Company. 189,831; renewed Sept. 30, 1944.

CLASS 37

Indexes. Rand Company. 191,585–6; renewed Nov. 11, 1944.
Paper and envelopes, Writing. Shipmark Company. 408,227; July 25.
Paper and mailing envelopes, Writing. Z. & W. M. Crane, Inc. 185,394; renewed June 17, 1944.
Paper, corrugated paper, bond paper, etc., Printed. Blake, Moffitt & Towne. 191,504; renewed Nov. 11, 1944.
Paper, Writing and printing. Brooks Bank Note Company. 408,229; July 25.
Stationery. J. M. Katz. 408,200; July 25; Serial No. 467,525; published May 16, 1944.

CLASS 38

Periodical, Printed. G. J. Hecht. 190,516; renewed Oct. 14, 1944.

CLASS 39

Apparel, Athletic. S. M. Elowsky & Co. 176,270; renewed Nov. 20, 1943.
Belts for personal wear. Gibford-Weiffenbach Company. 190,306; renewed Oct. 14, 1944.
Blouses, underwear, hosiery, etc., Middy. B. Billow. 186,884; renewed July 22, 1944.
Clothing and furnishings, Men's. Wild & Company. 185,611; renewed June 24, 1944.
Collars, Men's. Biltrite Collar Company. 184,988; renewed June 3, 1944.
Gloves and mittens. Boss Manufacturing Company. 191,545; renewed Nov. 11, 1944.
Hats, Ladies', misses', and children's. Progressive Hat Mfg. Co. 188,040; renewed Aug. 19, 1944.
Hosiery. J. P. Voorhees. 190,193; renewed Oct. 7, 1944.
Knitted wear for infants and children. Regal Knitting Company. 188,058; renewed Aug. 19, 1944.
Lingerie, Ladies' silk. W. G. Anglim. 185,482; renewed June 17, 1944.
Sweaters, caps and scarfs, etc., Knitted. Highland Shaker Sweater Co. 190,199; renewed Oct. 7, 1944.
Undergarments and negligees, Women's silk. Lande & Miskend. 189,326; renewed Sept. 16, 1944.
Underwear. L. & R. Morley. 183,790; renewed May 6, 1944.
Underwear, sweater coats, bathing suits, etc., Knitted. Schultz-Rosky-Block Co. 191,725; renewed Nov. 18, 1944.

CLASS 40

Buttons, Vegetable ivory. Vegetable Ivory Button Institute, Inc. 408,174; July 25; Serial No. 465,163; published May 16, 1944.
Pins, Bob. De Long Hook and Eye Company. 408,196–7; July 25; Serial Nos. 467,488–9; published May 16, 1944.

CLASS 42

Awning stripes and ticking. John Boyle & Company. 192,022–4; renewed Nov. 25, 1944.
Linens, linen towels, and toweling, Table. James A. Hearn & Son Inc. 191,178; renewed Nov. 4, 1944.

CLASS 44

Pads, Therapeutic. G. S. White. 192,001; renewed Nov. 25, 1944.
Sanitary napkins. National Retailer-Owned Grocers, Inc. 408,157; July 25; Serial No. 457,315; published Feb. 2, 1943.
Supporters, Abdominal. Brewer & Company, Inc. 408,221; July 25.

CLASS 45

Beverage, Nonalcoholic, maltless. F. L. Grassini. 182,593; renewed Apr. 15, 1944.
Beverages, Carbonated, non-alcoholic, non-cereal, maltless. Food Fair Stores, Inc. 408,213; July 25; Serial No. 467,883; published May 9, 1944.
Flavors and beverages made therefrom, Maltless-beverage. Citrus Products Company. 191,551; renewed Nov. 11, 1944.
Ginger ale. Delaware Coca Cola Bottling Company. 185,278; renewed June 10, 1944.

CLASS 46

Cake, ice cream, and bread. Joe Lowe Co. Inc. 191,797; renewed Nov. 18, 1944.
Candy. E. A. Hoffman Candy Co. 191,954; renewed Nov. 25, 1944.
Candy. Rowntree and Company Limited. 190,913; renewed Oct. 28, 1944.
Canned fruits and canned vegetables. Manteca Canning Company. 190,898; renewed Oct. 28, 1944.
Canned meat and cereals. Chappel Bros. 188,325–6; renewed Aug. 26, 1944.
Canned shrimp. Blum & Bergeron. 191,738; renewed Nov. 18, 1944.
Canned vegetables. Idaho Canning Company. 186,734; renewed July 22, 1944.
Coffee. Maury-Cole Company. 190,375; renewed Oct. 14, 1944.
Feed, Horse, dairy, and scratch. Security Mills. 191,879; renewed Nov. 18, 1944.
Flavoring compound, Imitation-lemon. B. Heller & Company. 189,985; renewed Sept. 30, 1944.
Flavoring compound, Imitation-orange. B. Heller & Company. 189,986; renewed Sept. 30, 1944.
Flour, Wheat. Tacoma Grain Co. 191,938; renewed Nov. 25, 1944.
Juice, concentrate, and butter, Prune. Max Ams, Inc. 408,176; July 25; Serial No. 465,595; published May 9, 1944.
Oats and wheat flour, Rolled. Quaker Oats Company. 186,088; renewed July 1, 1944.
Pastes, Alimentary. Kansas City Macaroni & Importing Co. 186,497; renewed June 22, 1944.
Poultry feed. Quaker Oats Company. 188,553; renewed Aug. 26, 1944.
Powder preparation used in making pies, etc., Dry. B. Heller & Company. 188,263; renewed Aug. 19, 1944.
Preparation used to increase the viscosity or thickness and to improve malted milk and other food beverages. B. Heller & Company. 188,319; renewed Aug. 26, 1944.
Vegetables, Fresh. Irvine Company. 188,208; renewed Aug. 19, 1944.

CLASS 48

Beer. G. Heileman Brewing Co. 408,190; July 25; Serial No. 467,336; published May 9, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

De Lisle, Francis A., Albion, Ind., assignor to G. B. Finnegan, Jr., trustee, Mountain Lakes, N. J. Filter. Re. 22,520; July 25.

Doty, Charles R. (See Lemmon, W. S., Doty, Walz, and Holt.)

Finnegan, George B., Jr., trustee. (See De Lisle, Francis A., assignor.)

Holt, Albert C. (See Lemmon, W. S., Doty, Walz, and Holt.)

International Business Machines Corporation. (See Lemmon, W. S., Doty, Walz, and Holt, assignors.)

Knarreborg, Otto H., Devils Lake, N. Dak. Combination rake and stacker. Re. 22,521; July 25.

Krause, Charles A., Jr., Fox Point, Wis. Preparation of dehydrated pre-cooked food products. Re. 22,522; July 25.

Lemmon, Walter S., Riverside, Conn., C. R. Doty, Yonkers, N. Y., R. F. Walz, Glen Ridge, and A. C. Holt, Oradell, N. J., assignors to International Business Machines Corporation, New York, N. Y. System of coding and decoding. Re. 22,523; July 25.

Walz, Richard F. (See Lemmon, W. S., Doty, Walz, and Holt.)

LIST OF PLANT PATENTEES

Sparre, Gustav, Clarkson, Ontario, Canada, assignor to The Wayside Gardens Company, Mentor, Ohio. Chrysanthemum plant. 634; July 25.

Wayside Gardens Company, The. (See Sparre, Gustav, assignor.)

LIST OF DESIGN PATENTEES

Allied Plastics Company. (See Crane, Walton B., assignor.)

Alsdorf, James W., Glencoe, assignor to Cory Glass Coffee Brewer Co., Chicago, Ill. Coffee maker. 138,362; July 25.

Baker, Leo F., Chicago, Ill. Knife. 138,365; July 25.

Bradley, Eugene H., Chicago, Ill. Fluorescent light fixture. 138,370; July 25.

Churchill, Charles H., Cortland, N. Y. Saddle horse swing seat. 138,371; July 25.

Clark, Robert H. (See Wilson, Harry C., assignor.)

Colonial Mfg. Co. (See Gantwarg, Charles, assignor.)

Cory Glass Coffee Brewer Co. (See Alsdorf, James W., assignor.)

Crane, Walton B., Beverly Hills, assignor to Allied Plastics Company, Los Angeles, Calif. Cigarette case. 138,372; July 25.

Crane, Walton B., Beverly Hills, assignor to Allied Plastics Company, Los Angeles, Calif. Cigarette case. 138,373; July 25.

Dehn, William W. (See Whitesell, R. O., and Dehn.)

Gantwarg, Charles, assignor to Colonial Mfg. Co., Inc., New York, N. Y. Finger ring. 138,366; July 25.

Gantwarg, Charles, assignor to Colonial Mfg. Co., Inc., New York, N. Y. Finger ring. 138,374; July 25.

Gartner, Emil H. (See Myers, L., and Gartner.)

Giuriati, Leonello, New York, N. Y. Combined beverage cooler and dispenser. 138,363; July 25.

Graham, Elizabeth N., New York, N. Y. Traveling bag. 138,364; July 25.

Gruber, Abe, New York, N. Y. Suit. 138,387; July 25.

Gruber, Abe, New York, N. Y. Suit. 138,388; July 25.

Gruber, Abe, New York, N. Y. Suit. 138,389; July 25.

Gruber, Abe, New York, N. Y. Suit. 138,390; July 25.

Heintz, Ralph M., Cleveland, assignor to Jack & Heintz Research Corporation, Bedford, Ohio. Gyro horizon indicator. 138,375; July 25.

Jack & Heintz Research Corporation. (See Heintz, Ralph M., assignor.)

Katsetos, Christos M., Cincinnati, Ohio. Toy. 138,367; July 25.

Krieger, Herman, New York, N. Y. Embroidered trimming. 138,376; July 25.

Krieger, Herman, New York, N. Y. Embroidered trimming. 138,377; July 25.

Mallory, P. R., & Co. (See Whitesell, R. O., and Dehn, assignors.)

Martin, Joseph F., Jr., Detroit, Mich. Game device. 138,378; July 25.

Most, John E., Detroit, Mich. Clothespin. 138,379; July 25.

Myers, Lewis, Providence, and Emil H. Gartner, Edgewood, R. I. Golf club head. 138,380; July 25.

Quigg, Murray T. (See Volf, Christian A., assignor.)

Richards, Kenneth D., Gardner, Mass. Fishing fly body. 138,381; July 25.

Rosengard, Charles L., Hartford, Conn. Rotary toothbrush. 138,384; July 25.

Sipe, Bruce E., Kansas City, Mo. Hog oiler. 138,382; July 25.

Volf, Christian A., Van Nuys, Calif., assignor to M. T. Quigg, New York, N. Y. Sound resonating and modulating cabinet. 138,385; July 25.

Volf, Christian A., Van Nuys, Calif., assignor to M. T. Quigg, New York, N. Y. Wall resonator and sound distributor. 138,386; July 25.

Wilson, Harry C., Beverly Hills, assignor to R. H. Clark, Los Angeles, Calif. Fixture for holding a thread-cutting tool, or the like, while grinding the cutting end thereof. 138,368; July 25.

Wilson, Harry C., Beverly Hills, assignor to R. H. Clark, Los Angeles, Calif. Tool holder. 138,369; July 25.

Whitesell, Robert O., and W. W. Dehn, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Portable electric rectifying device. 138,383; July 25.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrams, Armand J., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Method and apparatus for catalytic conversions. 2,354,353; July 25.

Abrams, Armand J., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrocarbon conversion. 2,354,354; July 25.

Abrams, Armand J., and I. H. Wellnsky, Dallas, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Conversion of hydrocarbons. 2,354,355; July 25.

Adams, Arthur H., Jr., assignor to National Rayon Dyeing Company, Newark, N. J., Barnhardt Brothers, Charlotte, and Tryon Processing Co., Tryon, N. C. Color chart. 2,354,493; July 25.

Adams, Joy C. (See Young, A. M., and Adams.)

Adams, Roger, Urbana, Ill. Marihuana active compounds. 2,354,492; July 25.

Adlake Company, The. (See Verhagen, Christian M., assignor.)

Adt, Dorothy De Witt, executrix. (See Adt, John B.)

Adt, John B., deceased; D. De Witt Adt, executrix, assignor, by mesne assignments, to The John B. Adt Co., Baltimore, Md. Material feeding and vapor removing mechanism for rotary driers. 2,354,567; July 25.

Adt, John B., Co., The. (See Adt, John B., assignor.)

Advance Solvents and Chemical Corporation. (See Mack, Gerry, assignor.)

Aero Supply Mfg. Co. Inc. (See Downey, George T., assignor.)

Agriculture of the United States of America, and his successors in office, Claude R. Wickard, as Secretary of. (See Bowen, Charles V.)

Agriculture of the United States of America, and his successors in office, Claude R. Wickard, as Secretary of. (See Goldsworth, Marion C., assignor.)

Agriculture of the United States of America, Claude R. Wickard, and to his successors in Office. (See Manley, R. H., and Evans, assignors.)

Ajdukovich, George, St. Louis, Mo. Hernial truss. 2,354,494; July 25.

Aladdin Radio Industries, Incorporated. (See Crossley, Alfred, assignor.)

Albin, Frederick G., Los Angeles, Calif., assignor to Radio Corporation of America. Sound recording system. 2,354,295; July 25.

Alderfer, Sterling W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making elastic novelty yarn. 2,354,449; July 25.

Aler, Richard P., Baltimore, Md. Automatic pen filler and cleaner. 2,354,288; July 25.

Alien Property Custodian. (See Gerhard, Ernst.)

Alien Property Custodian. (See Jendrassik, George.)

Alien Property Custodian. (See Klesskalt, Siegfried.)

Alien Property Custodian. (See Lutz, Frederick.)

Alien Property Custodian. (See Wolfram, A., and Jahn.)

Allen, Paul E., Skokie, Ill. Bottleholder. 2,354,568; July 25.

Allen, Raymond W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Press. 2,354,447; July 25.

Allied Chemical & Dye Corporation. (See Gainey, Frank W., assignor.)

Alloy Processes Limited. (See Gentil, Henri L., assignor.)

Amend, Adolph Jr. (See Engel, G. C., and Amend, Jr.)

American Brake Shoe Company. (See Lidkea, Harvey J., assignor.)

American Coating Mills, Inc. (See Gilbert, Clyde L., assignor.)

American Cyanamid Company. (See Bradley, Theodore F., assignor.)

American Cyanamid Company. (See Kienle, R. H., and Amick, assignors.)

American Cyanamid Company. (See Laury, Napoleon A., assignor.)

American Machine and Metals, Inc. (See Webb, Albert E., assignor.)

American Metal Crafts Company. (See Okerholm, C. H., and Pasquale, assignors.)

American Steel and Wire Company of New Jersey, The. (See Brickman, Alan E., assignor.)

American Steel and Wire Company of New Jersey, The. (See Harris, A. W., and Henry, assignors.)

Amick, Chester A. (See Kienle, R. H., and Amick.)

Amsler-Morton Company, The. (See Morton, William A., assignor.)

Anderson, Lossie E. (See Webber, R. C., and Anderson.)

Anderson, Volney S., Los Angeles, Calif. Self-trimming mold. 2,354,241; July 25.

Arms, Merton H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Grinding machine. 2,354,296; July 25.

Aschenbrenner, Charles S., Temple, assignor to Textile Machine Works, Wyomissing, Pa. Fluid circulating apparatus for knitting machines and the like. 2,354,188; July 25.

Ashton, Charles E., Stockton, Calif. Picking device. 2,354,356; July 25.

Atkin, Lawrence. (See Schultz, A. S., Atkin, and Frey.)

Aviation Corporation, The. (See Chubb, Leroy B., assignor.)

Ayres, Francis L., Des Plaines, assignor to Stewart-Warner Corporation, Chicago, Ill. Fastening means for detachable covers and other devices. 2,354,297; July 25.

Babb, Claude R., Lakewood, assignor to The Yoder Company, Cleveland, Ohio. Mechanism for removing welding burrs. 2,354,289; July 25.

Babcock & Wilcox Company, The. (See Shellenberger, Rolfe, assignor.)

Badger Meter Mfg. Company. (See Weisse, Frank W. E., assignor.)

Barnhardt Brothers, et al. (See Adams, Arthur H., Jr., assignor.)

Barrett, Harold G., assignor to Thermek Corporation, Chicago, Ill. Machine for raising spines. 2,354,298; July 25.

Barthelemy, Walter L., Dayton, Ohio. Engine. 2,354,357; July 25.

Bates, Charles J., Englewood, N. J., assignor to Diebold, Incorporated. Valve door construction. 2,354,358; July 25.

Bays, George S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Viscosimeter. 2,354,299; July 25.

Beals, Gillson W., assignor to The Miller Company, Meriden, Conn. Lighting fixture shade and holder. 2,354,242; July 25.

Beard, Lois F., St. Petersburg, Fla. Hull. 2,354,569; July 25.

Becker, Bernard M., assignor to Universal Oil Products Company, Chicago, Ill. Reactor tube. 2,354,640; July 25.

Beckham, Leland J., Geddes, assignor to The Solvay Process Company, New York, N. Y. Improving hydrocarbon mixtures. 2,354,359; July 25.

Bedford, Frederick W., assignor to Bedford Products, Dunkirk, N. Y. Producing fruit or vegetable juice concentrate. 2,354,633; July 25.

Bedford Products. (See Bedford, Frederick W., assignor.)

Bell, Rupert B., assignor to King-Seeley Corporation, Ann Arbor, Mich. Windshield wiper mechanism. 2,354,189; July 25.

Benckenstein, Charles H., Vinton, La. Increasing permeability of sands and strata. 2,354,570; July 25.

Bendix Aviation Corporation. (See Jandasek, Joseph, assignor.)

Benkert, Louis M., assignor to Progressive Welder Company, Detroit, Mich. Welding apparatus. 2,354,190; July 25.

Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Pothead or terminal for electric cable systems. 2,354,191; July 25.

Bigelow, Roy S., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading station for shuttle cars. 2,354,360; July 25.

Blackhurst, Lawrence N. (See Reinhardt, R. C., Jones, and Blackhurst.)

Blain, Albert, Philadelphia, Pa., assignor to Radio Corporation of America. Facsimile apparatus. 2,354,571; July 25.

Blake, Robert P., Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del. Apparatus and method for orienting the surface molecules of plastic materials. 2,354,243; July 25.

Blanc, W., et L. Paiche. (See Blanc, William V., assignor.)

Blanc, William V., assignor to W. Blanc et L. Paiche, Geneva, Switzerland. Charge forming device. 2,354,179; July 25.

Bock, Carl J., Birmingham, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Transfer case for power transmissions. 2,354,300; July 25.

Bodenstein, Paul H., assignor to J. Haimowitz and J. D. Shifrin, New York, N. Y. Dehydration process. 2,354,495; July 25.

Boisclair, Maurice A. (See Sheps, L. J., Boisclair, Cooper, and Fristensky.)

Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Automatic control device. 2,354,431; July 25.

Bowen, Charles V., Bethesda, Md., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Insecticide. 2,354,192; July 25.

Bowen, Charles V., Bethesda, Md., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Insecticide. 2,354,193; July 25.

Bradley, Theodore F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Producing surface coverings containing oxygen-convertible synthetic resins. 2,354,572; July 25.

Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Manufacture of miniature incandescent lamps. 2,354,194; July 25.

Briant, Raymond C., Pittsburgh, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making composite articles. 2,354,426; July 25.

Brickman, Alan E., Monongahela, Pa., assignor to The American Steel and Wire Company of New Jersey. Harness connector for looms. 2,354,180; July 25.

Brink, Winfield S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making disk wheels. 2,354,439; July 25.

Brizzolara, Robert T., New Dorp, Staten Island, N. Y. Refrigeration method and apparatus. 2,354,496; July 25.

Brizzolara, Robert T., New Dorp, Staten Island, N. Y. Refrigeration apparatus. 2,354,497; July 25.

Brock, William C., Glen Morgan, W. Va. Fuel tank. 2,354,573; July 25.

Bronson Reel Company. (See McMahon, Richard P., assignor.)

Brougham, Herbert W., Seattle, Wash. Production recorder. 2,354,361; July 25.

Brown, Harry S., Stafford County, assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Closure fastener. 2,354,498; July 25.

Brown, James E., Brookville, assignor to James L. Brown, Grove City, Pa. Filter tank assembly. 2,354,195; July 25.

Brown, James L. (See Brown, James E., assignor.)

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Windshield wiper. 2,354,440; July 25.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Molding and vulcanizing hollow articles. 2,354,446; July 25.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Friction device. 2,354,448; July 25.

Browne, Harold B. (See Hughes, A. E., Browne, and Roderick.)

Bryant Chucking Grinder Company. (See Arms, Merton H., assignor.)

Buck, Johannes S. (See Lang, E. H., and Buck.)

Budd, Edward G., Manufacturing Company. (See Calhoun, John J., assignor.)

Budd, Edward G., Manufacturing Company. (See Labaree, B., and Knipe.)

Budd, Edward G., Manufacturing Co. (See Watter, M., and Scammell, assignors.)

Budd, Edward G., Manufacturing Co. (See Whitesell, John C., Jr., assignor.)

Burns, Bruce, assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Oil cooler having protective and control means. 2,354,362; July 25.

Burroughs Wellcome & Co. (U. S. A.) Inc. (See Lang, E. H., and Buck, assignors.)

Burry, Arthur A., Toronto, Ontario, Canada. Means for heating thermoplastic materials for molding. 2,354,363; July 25.

Burt, Fred, et al. (See Harmon, Luther R., assignor.)

Byron Jackson Co. (See Mullinix, G. E., and Hambly, assignors.)

Cahill, Arthur T., Weehawken, N. J. Typewriting machine, typesetting machine, and other keyboard instruments. 2,354,196; July 25.

Calhoun, John J., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Ammunition charger. 2,354,499; July 25.

Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Insulated coil. 2,354,500; July 25.

Campbell, Alvin A., Hackettstown, N. J. Measuring device. 2,354,197; July 25.

Carliss, Oswald S., Fairfield, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Weighing pendulum and recorder disk assembly. 2,354,301; July 25.

Carlsen, Leonard O., Rochester, and O. A. Johnson, Irondequoit, assignors to Gleason Works, Rochester, N. Y. Machine for producing gears. 2,354,181; July 25.

Carlson, Bert G., Erieside, Ohio, and G. Tyler, Seattle, Wash., assignors to Jack & Heintz, Inc., Bedford, Ohio. Metering device. 2,354,244; July 25.

Carlson, Wilbur L., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Magneto unit. 2,354,302; July 25.

Carr, Edward L., Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Treating mercaptothiazoles with ammonia derivatives and product produced thereby. 2,354,427; July 25.

Carson, Clarence M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Moistureproofed glassine paper. 2,354,574; July 25.

Carter, Mitchell, Yardley, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Forming rubber articles. 2,354,433; July 25.

Carver, Ernest E., Vancouver, British Columbia, Canada. Garden shears. 2,354,303; July 25.

Case, J. I., Company. (See MacGregor, Wallace F., assignor.)

Caterpillar Tractor Company. (See Reggio, Ferdinando C., assignor.)

Celanese Corporation of America. (See Haney, C. I., and Martin, assignors.)

Cello, Orlando, Soleure, Switzerland. Turbine runner. 2,354,304; July 25.

Chapman, James E., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Oil cooling device. 2,354,364; July 25.

Cheeseman, Albert R., Toronto, Ontario, Canada. Cut-out for electric irons. 2,354,575; July 25.

Chesny, Heins H. (See Elkington, F., and Chesny.)

Chicago Eye Shield Company. (See Malcom, Robert, assignor.)

Chicksan Tool Company. (See Phillips, Dwight M., assignor.)

Christensen, Paul M., Newington, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Contact construction. 2,354,501; July 25.

Christoffersen, Christoffer, Cedar Grove, N. J., assignor to Gibbs & Cox, Incorporated, New York, N. Y. Cargo handling device. 2,354,182; July 25.

Chubb, Leroy B., Williamsport, Pa., assignor, by mesne assignments, to The Aviation Corporation, New York, N. Y. Manufacture of propeller blades. 2,354,198; July 25.

Clark Equipment Company. (See Lapsley, R., and Dence, assignors.)

Clark, Lewis P., Hampton, N. H. Lawn mower trailer. 2,354,576; July 25.

Cleveland Steel Products Corporation. (See Smith, W. J., and von Haase, assignors.)

Cockrill, William T., and T. J. Duncan, Flint, Mich. Head shield. 2,354,502; July 25.

Collins, Lee A., Louisville, Ky. Television and other transmissions. 2,354,199; July 25.

Colonial Broach Company. (See Thompson, Richard A., assignor.)

Colt's Patent Fire Arms Manufacturing Company. (See Christensen, Paul M., assignor.)

Cone, John H., Cedar Bayou, and A. J. Shmidl, Houston, Tex., assignors to Standard Oil Development Company. Wetting agent. 2,354,577; July 25.

Container Corporation of America. (See Lowey, R. E., Potter, and Kilmer, assignors.)

Container Corporation of America. (See Rateliff, Francis K., assignor.)

Cooper, Kendall V. (See Sheps, L. J., Boisclair, Cooper, and Fristensky.)

Corbosiero, Joseph, Fitchburg, Mass. Tool. 2,354,245; July 25.

Cox, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective of the telephoto type. 2,354,503; July 25.

Cox, Edwin, assignor to Virginia-Carolina Chemical Corporation, Richmond, Va. Acidulated grass or leguminous fodder with nontoxic corrosion inhibitor. 2,354,417; July 25.

Cox, John T., Jr. (See Novotny, C. K., and Cox, Jr.)

Craig, Henry W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Mounting for fuel tanks. 2,354,438; July 25.

Creed and Company Limited. (See Mason, Frederick P., assignor.)

Crichton, Francis D., Washington, D. C. Picture frame. 2,354,183; July 25.

Crompton & Knowles Loom Works. (See Robb, Walter Y., assignor.)

Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)

Cross, Roland C., Bath, England. Rotary valve controlled internal-combustion engine. 2,354,305; July 25.

Crossley, Alfred, assignor, by mesne assignments, to Aladdin Radio Industries, Incorporated, Chicago, Ill. Coupling device for adjustable coupling systems. 2,354,365; July 25.

Cruver Manufacturing Company. (See Ibach, Emil, assignor.)

Cutler-Hammer, Inc. (See Seeger, Edwin W., assignor.)

Cutler, Wallace M., Gloucester, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Drying hides and skins. 2,354,200; July 25.

D'Alello, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Plasticized aminoplast. 2,354,504; July 25.

D'Alello, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignor to General Electric Company. Diazine derivatives. 2,354,505; July 25.

Dand, William R., Altadena, and W. E. Steen, Pasadena, assignors to Smith Meter Company, Los Angeles, Calif. Shock absorber for fluid flow installations. 2,354,201; July 25.

Daniel, William W., assignor to Snap-On Tools Corporation, Kenosha, Wis. Drive socket connector. 2,354,184; July 25.

Darli Industrial Management, Incorporated. (See Ligh, D. R., and Ehrenhaft, assignors.)

Davis, Ralph C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Control apparatus. 2,354,429; July 25.

Dayton Pump & Mfg. Company, The. (See Horvath, Anthony G., assignor.)

Dayton Pump and Manufacturing Company, The. (See Eickmeyer, E. E., and Horvath, assignors.)

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation Ltd., Wilmington, Del. Manufacturing certain acylated polyamino ethers. 2,354,578; July 25.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation Ltd., Wilmington, Del. Manufacturing certain acylated polyamino ethers. 2,354,579; July 25.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation Ltd., Wilmington, Del. Manufacturing certain acylated polyamino ethers. 2,354,580; July 25.

Deltz, Stephen J., assignor to United Cinephone Corporation, Torrington, Conn. Spooling mechanism and motor control circuit. 2,354,185; July 25.

De Jong, Jack, New York, N. Y. Arm joint for dolls. 2,354,581; July 25.

Dence, Donald S. (See Lapsley, R., and Dence.)

Dennis, Samuel L., Elizabethtown, N. C. Convertible penplayhouse. 2,354,202; July 25.

Dermond, Lawrence C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 2,354,290; July 25.

Diebold, Incorporated. (See Bates, Charles J., assignor.)

Diehl, John A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Mooring buoy. 2,354,441; July 25.

Doherty, Arthur, Los Angeles, Calif. Combination furnace and water heater. 2,354,507; July 25.

Doke, Ernest G., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Securing clip. 2,354,506; July 25.

Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Noise balancing. 2,354,508; July 25.

Donahue, William T., Chicago, Ill., assignor to Johns-Manville Corporation, New York, N. Y. Insulation package. 2,354,186; July 25.

Dons, Eddie M., and O. G. Mauro, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Apparatus for using normally gaseous solvents to separate wax and oil. 2,354,246; July 25.

Dons, Eddie M., and O. G. Mauro, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Process of using normally gaseous solvents to separate wax and oil. 2,354,247; July 25.

Douglas Aircraft Company. (See Noble, J. D., and Van Dyke, assignors.)

Dow Chemical Company, The. (See Griswold, Nelson D., assignor.)

Dow Chemical Company, The. (See Reinhardt, R. C., Jones, and Blackhurst, assignors.)

Downey, George T., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Selector valve. 2,354,582; July 25.

Dreher, Stanley C., assignor to The Minute-Man Machine Co., Cincinnati, Ohio. Abrasive cutoff machine. 2,354,509; July 25.

Dreyfus, Camille, New York, N. Y. Wearing apparel. 2,354,248; July 25.

Dunbar, Irwin. (See Miller, K. I., and Dunbar.)

Duncan, Thomas J. (See Cockrill, W. T., and Duncan.)

Du Pont, E. I., de Nemours & Company. (See Gladding, Ernest K., assignor.)

Du Pont, E. I., de Nemours & Company. (See Jacobson, Ralph A., assignor.)

Eagle-Picher Lead Company, The. (See Nordyke, John S., assignor.)

Earp, Charles W., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Automatic frequency control. 2,354,510; July 25.

Eastern Tool and Manufacturing Company. (See Elwell, George H., assignor.)

Eddy, William C., Chicago, Ill., assignor to Radio Corporation of America. Synchronizing system. 2,354,583; July 25.

Edison, Thomas A., Incorporated. (See Ludwick, William L., assignor.)

Ehrenhaft, Franz F. (See Ligh, D. R., and Ehrenhaft.)

Eickmeyer, Earl E., and A. G. Horvath, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Gasoline dispensing apparatus. 2,354,249; July 25.

Eisenband, Edna T., et al., co-executors. (See Traylor, John A. and J. B.)

Elkington, Frank, Sheffield, and H. H. Chesny, Worksop, England. Manufacture of reactive magnesium oxide. 2,354,584; July 25.

Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,354,306; July 25.

Emery, William M., Shaker Heights, Ohio, assignor to The Rotor Tool Company. Motor-driven hand tool. 2,354,307; July 25.

Emsco Derrick & Equipment Company. (See Walton, George W., assignor.)

Engel, George C., Ridgewood, and A. Amend, Jr., Harrington Park, N. J., assignors to General Time Instruments Corporation, New York, N. Y. Time system. 2,354,511; July 25.

Engstrom, Thor. (See Neubaum, A. A., and Engstrom.)

Evans, Arthur G., Canton, Ill., assignor to International Harvester Company. Tractor-mounted implement. 2,354,250; July 25.

Evans, Cyril D. (See Manley, R. H., and Evans.)

Everett, Arthur C., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container cleaning machine. 2,354,308; July 25.

Exiner, A. R. (See Seymour, Herbert T., assignor.)

Extruded Plastics, Inc. (See Slaughter, Charles E., assignor.)

Fasold, George A. (See Greider, H. W., and Fasold.)

Felix, Friedrich, Basel, and R. von Capeller, Riehen, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs. 2,354,187; July 25.

Finch, Harry de V., Berkeley, and K. E. Marple, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif. Treatment of vinyl type halides. 2,354,512; July 25.

Finch, James L., East Rockaway, N. Y., assignor to Radio Corporation of America. Low capacity filament transformer system. 2,354,585; July 25.

Fiore, Otto, Grantwood, N. J., assignor to William W. Fitzhugh, Inc., Brooklyn, N. Y. Folding device. 2,354,251; July 25.

Firestone Tire & Rubber Company, The. (See Alderfer, Sterling W., assignor.)

Firestone Tire & Rubber Company, The. (See Allen, Raymond W., assignor.)

Firestone Tire & Rubber Company, The. (See Bosomworth, George P., assignor.)

Firestone Tire & Rubber Company, The. (See Briant, Raymond C., assignor.)

Firestone Tire & Rubber Company, The. (See Brink, Winfield S., assignor.)

Firestone Tire & Rubber Company, The. (See Brown, Roy W., assignor.)

Firestone Tire & Rubber Company. (See Carr, Edward L., assignor.)

Firestone Tire & Rubber Company, The. (See Carter, Mitchell, assignor.)

Firestone Tire & Rubber Company, The. (See Craig, Henry W., assignor.)

Firestone Tire & Rubber Company, The. (See Davis, Ralph C., assignor.)

Firestone Tire & Rubber Company, The. (See Diehl, John A., assignor.)

Firestone Tire & Rubber Company, The. (See Greenup, H. W., and Wohler, assignors.)

Firestone Tire & Rubber Company, The. (See Grubbs, William J., assignor.)

Firestone Tire & Rubber Company, The. (See Hale, James E., assignor.)

Firestone Tire & Rubber Company, The. (See Kuhn, Max O., assignor.)

Firestone Tire & Rubber Company, The. (See Lyon, Walter E., assignors.)

Firestone Tire & Rubber Company, The. (See Novotny, C. K., and Cox, Jr., assignor.)

Firestone Tire & Rubber Company, The. (See Saurer, Curt, assignor.)

Firestone Tire & Rubber Company, The. (See Stedman, Theodore W., assignor.)

Firestone Tire & Rubber Company, The. (See Stevens, Horace D., assignor.)

Firestone Tire & Rubber Company, The. (See Wilson, R. F., and Klingman, assignors.)

Fischer, Albert C., Chicago, Ill. Method of and machine for treating and laying strip material from packages. 2,354,586; July 25.

Fisher, John G., Monrovia, Calif. Valve shutoff device. 2,354,366; July 25.

Fitzer, Mitchel, New York, N. Y. Interchangeable setting for finger rings. 2,354,513; July 25.

Fitzhugh, William W., Inc. (See Fiore, Otto, assignor.)

Fontaine, Robert A., Martinsville, Va. Closure for vehicle bodies. 2,354,450; July 25.

Forbes, John D., San Francisco, Calif. Cartridge or shell for chain shot. 2,354,451; July 25.

Ford, David O., Petersburg, Va. Display sign. 2,354,367; July 25.

Foregger Company, The. (See Macintosh, Robert R., assignor.)

Foregger, Richard V., Roslyn, N. Y. Anesthetic apparatus. 2,354,452; July 25.

Fram Corporation. (See Wilkinson, James W., assignor.)

Franek, Clarence C., Swarthmore, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Manufacturing turbine blades. 2,354,587; July 25.

Fraser, Harold M., and T. A. Maxwell, assignors to International Lubricant Corporation, New Orleans, La. Lubricating composition. 2,354,252; July 25.

Frede, Charles F., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,354,309; July 25.

Fregeolle, Donat H. (See St. Pierre, E., and Fregeolle.)

Frey, Charles N. (See Schultz, A. S., Atkin, and Frey.)

Fristensky, Peter. (See Sheps, L. J., Boisclair, Cooper. and Fristensky.)

Fröhlich, Alfred. (See Schneider, W., Fröhlich, and Zeh.)

Gainey, Frank W., Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation. Dyestuff. 2,354,588; July 25.

Gallagher, William P., assignor to International Register Company, Chicago, Ill. Interval timer. 2,354,368; July 25.

Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. Amplifying system. 2,354,514; July 25.

Garrett Corporation, Airesearch Manufacturing Company division. (See Burns, Bruce, assignor.)

Garrett Corporation, Airesearch Manufacturing Company division. (See Chapman, James E., assignor.)

Garrett Corporation, Airesearch Manufacturing Company division. (See Gill, George H., assignor.)

Garrison, Allen D., Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treating wells. 2,354,203; July 25.

Gazda, Antoine, New York, N. Y. Fighter craft. 2,354,453; July 25.

Geffner, Samuel H., New York, N. Y. Dental floss holder. 2,354,454; July 25.

General Aniline & Film Corporation. (See Kumetat, K., and Riester, assignors.)

General Aniline & Film Corporation. (See Schneider, W., Frölich, and Zeh, assignors.)

General Electric Company. (See Camilli, Guglielmo, assignor.)

General Electric Company. (See D'Alelio, Gaetano F., assignor.)

General Electric Company. (See D'Alelio, G. F., and Underwood, assignors.)

General Electric Company. (See Dome, Robert B., assignor.)

General Electric Company. (See Gardiner, Paul C., assignor.)

General Electric Company. (See Hewlett, Clarence W., assignor.)

General Electric Company. (See Kjolseth, Ole K., assignor.)

General Electric Company. (See Norgaard, Donald E., assignor.)

General Electric Company. (See Silas, Frederick R., assignor.)

General Motors Corporation. (See Bock, Carl J., assignor.)

General Motors Corporation. (See Carlson, Wilbur L., assignor.)

General Motors Corporation. (See Dermond, Lawrence C., assignor.)

General Motors Corporation. (See Harris, Marcus R., assignor.)

General Motors Corporation. (See Koehring, Roland P., assignor.)

General Motors Corporation. (See Miller, Sidney E., assignor.)

General Motors Corporation. (See Rady, William J., assignor.)

General Motors Corporation. (See Sullins, Howard H., assignor.)

General Steel Castings Corporation. (See Frede, Charles F., assignor.)

General Time Instruments Corporation. (See Engel, G. C., and Amend, Jr., assignors.)

Gentil, Henri L., Paris, France, assignor to Alloy Processes Limited, London, England. Reduction of magnesium. 2,354,253; July 25.

Gentry, George C., U. S. Army, Oakwood, Ohio. Turret drive for guns. 2,354,204; July 25.

Georgi, Carl, South Norwalk, Conn., assignor to Snyder and Black, New York, N. Y. Calendar and diary. 2,354,589; July 25.

Gephart Manufacturing Co. (See Harsted, Harry H., assignor.)

Gerhard, Ernst, Berlin, Germany; vested in the Alien Property Custodian. Directional antenna with suppressed lobes or ears. 2,354,254; July 25.

Gerhold, Clarence G., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of paraffin hydrocarbons. 2,354,641; July 25.

Gibbs & Cox, Incorporated. See Christoffersen, Christoffer, assignor.)

Gilbert, Clyde L., assignor to American Coating Mills, Inc., Elkhart, Ind. Bottle carrier. 2,354,369; July 25.

Gilbert, Clyde L., assignor to American Coating Mills, Inc., Elkhart, Ind. Bottle carrier. 2,354,370; July 25.

Gilfillan, Paul M., and I. Gurwick, assignors to Shellmar Products Company, Mount Vernon, Ohio. Container and method of manufacture. 2,354,590; July 25.

Gill, George H., Manhattan, Beach, assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Inglewood, Calif. Oil cooler control. 2,354,371; July 25.

Gillum, Donald E., and D. H. Van Riper, Los Angeles, Calif. Check valve. 2,354,255; July 25.

Gladding, Ernest K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn winding apparatus. 2,354,455; July 25.

Gleason Works. (See Carlsen, L. O., and Johnson, assignors.)

Gleekman, Harry, Boston, Mass. Collar and making the same. 2,354,205; July 25.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Television apparatus. 2,354,591; July 25.

Goldsworthy, Marion C., Takoma Park, Md., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Fungicide. 2,354,206; July 25.

Goodale, Elmer D., Bayside, Long Island, N. Y., assignor to Radio Corporation of America. Electrical network. 2,354,592; July 25.

Goodman Manufacturing Company. (See Bigelow, Roy S., assignor.)

Goodman Manufacturing Company. (See Sloane, William W., assignor.)

Goodson, Louis H. (See Walter, L. A., and Goodson.)

Goodwin, Lloyd O., assignor to Stanolind Oil & Gas Company, Tulsa, Okla. Back-pressure valve. 2,354,310; July 25.

Grant, Charles H., et al. (See Lawler, Frank P., assignor.)

Gray, G. A., Company, The. (See Walter, John M., assignor.)

Greenlee, Harry R., assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,354,257; July 25.

Greenup, Harold W., Barrington, and L. A. Wohler, Briston Ferry, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Strengthening porous rubber articles and article produced. 2,354,430; July 25.

Greenwood, Kendall T., Sanford, Maine. Tripod head for cameras and the like. 2,354,515; July 25.

Greer, J. W., Company. (See Greer, Jesse W., assignor.)

Greer, Jesse W., assignor to J. W. Greer Company, Cambridge, Mass. Marshmallow beater. 2,354,516; July 25.

Greider, Harold W., Wyoming, and G. A. Fasold, Mount Healthy, Ohio., assignors to The Philip Carey Manufacturing Company. Plastic composition. 2,354,593; July 25.

Griffith, Llewellyn A., Buffalo, N. Y. Suction cleaner. 2,354,207; July 25.

Griswold, Nelson D., Freeport, Tex., assignor to The Dow Chemical Company, Midland, Mich. Mixing apparatus. 2,354,634; July 25.

Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft chuck. 2,354,258; July 25.

Groene, William F., and H. C. Kemper, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Taper turning apparatus. 2,354,372; July 25.

Gronenberg, John E., Chicago, Ill. Carpet construction. 2,354,256; July 25.

Grover, Atwood H., Rockaway, N. J. Press. 2,354,291; July 25.

Grubbs, William J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient bushing for outboard motor mountings. 2,354,445; July 25.

Grubelic, Nicholas, Great Neck, N. Y. Machine for measuring and proportioning paints. 2,354,259; July 25.

Guest, Howard L. (See Salle, A. J., and Guest.)

Gulf Research & Development Company. (See Muffly, Gary, assignor.)

Gunther, Leo A. (See Salle, A. J., and Guest, assignors.)

Gurwick, Irving. (See Gilfillan, P. M., and Gurwick.)

Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Washing machine. 2,354,208; July 25.

Hagen, Henry, assignor of one-half to J. Phelps, Lansing, Mich. Hydraulic transmission. 2,354,456; July 25.

Haimowitz, Joseph, et al. (See Bodenstein, Paul H., assignor.)

Hale, James E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Bead lock. 2,354,437; July 25.

Hallinan, William W., Mendota, Ill. Stoker control. 2,354,517; July 25.

Halstead, Dorne N., Upper Montclair, N. J. Combination can opener, lid, and measuring device. 2,354,518; July 25.

Hambly, Allen E. (See Mullinix, G. E., and Hambly.)

Hamilton, James H., Burbank, assignor to Western Precipitation Corporation, Los Angeles, Calif. Electrical precipitation apparatus. 2,354,457; July 25.

Hammand, Lowell F., Washington, D. C. Gasoline dispensing nozzle. 2,354,209; July 25.

Hammerstrom, Karl R., Pittsburgh, Pa., assignor to United States Steel Corporation of Delaware. Railroad car truck spring cluster. 2,354,458; July 25.

Hand, E. B., et al., administrators. (See MacGregor, Wallace F.)

Haney, Clifford L, and M. E. Martin, Cumberland, Md., assignors to Celanese Corporation of America. Cellular material. 2,354,260; July 25.

Hanks, Lincoln, Tacoma, Wash. Subcarburetor. 2,354,373; July 25.

Harding, Robert J. (See Van Hoose, N., and Harding.)

Harlow, Walter F., Quarndon, assignor to International Combustion Limited, London, England. Apparatus for grading powdered material. 2,354,311; July 25.

Harlow, Walter F., Quarndon, assignor to International Combustion Limited, London, England. Apparatus for grading powdered material. 2,354,312; July 25.

Harmon, Luther R., Chicago, Ill., assignor of thirty-seven and one-half per cent to F. Burt, thirty-seven and one-helf per cent to W. D. Lloyd, and twenty-five per cent to Patterson Manufacturing Company. Flasher switch. 2,354,635; July 25.

Harris, Arch W., Cleveland, Ohio, and W. M. Henry, Monongahela, Pa., assignors to The American Steel and Wire Company of New Jersey. Immersion means. 2,354,459; July 25.

Harris, Marcus R., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Welding machine. 2,354,313; July 25.

Harsted, Harry H., assignor to Gephart Manufacturing Co., Chicago, Ill. Antenna. 2,354,314; July 25.

Hartstein, Fred W. Brooklyn, N. Y. Sludge pumping apparatus. 2,354,519; July 25.

Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)

Haughton, John R., Carolina Beach, N. C. Joggle wedge. 2,354,594; July 25.

Heftler, Paul. (See Newton, G. W., and Heftler.)

Helmond, William F., Clinton, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., Typewriting machine. 2,354,520; July 25.

Hemminger, Charles E., Westfield, N. J., assignor, by mesne assignments, to Standard Catalytic Company. Synthesis of hydrocarbons. 2,354,261; July 25.

Hemphill Company. (See St. Pierre, E., and Fregeolle, assignors.)

Henry, William M. (See Harris, A. W., and Henry.)

Hermann, Le Roy N., Chicago, Ill. Camera exposure control. 2,354,315; July 25.

Hermanson, John H., Brooklyn, N. Y. Safety attachment for watercraft. 2,354,316; July 25.

Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Electron tube oscillator circuit. 2,354,262; July 25.

Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Electron tube oscillator circuit. 2,354,636; July 25.

Hewlett, Clarence W., Schenectady, N. Y., assignor to General Electric Company. Evaporator for treating surfaces. 2,354,521; July 25.

Hillier, James, Collingswood, N. J., assignor to Radio Corporation of America. Electron microscope. 2,354,263; July 25.

Hillier, James. (See Zworykin, V. K., Hillier, and Ramberg.)

Hillis, David R., Detroit, Mich., assignor, by mesne assignments, to Logansport Machine, Incorporated. Hydraulic tube coupling. 2,354,460; July 25.

Hitchcock, Rex B., Evanston, Ill., assignor to International Harvester Company. Supporting means. 2,354,264; July 25.

Holmes, Stanley B., Santa Monica, Calif. Lock nut. 2,354,374; July 25.

Honert, Joseph H., O. A. Reinhardt, and W. J. Reinhardt, Chicago, Ill.; said O. A. Reinhardt and said W. J. Reinhardt assignors to said Honert. Hot-air furnace. 2,354,418; July 25.

Hopper, Basil, Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Two-stage alkylation process. 2,354,595; July 25.

Horvath, Anthony G. (See Eickmeyer, E. E., and Horvath.)

Horvath, Anthony G., assignor to The Dayton Pump & Mfg. Company, Dayton, Ohio. Pump. 2,354,265; July 25.

Hotchner, Fred, Los Angeles, Calif. Adjustable countersink or the like. 2,354,461; July 25.

Howsam, Hilyard C., assignor to Hubbard Spool Company, Chicago, Ill. Spool or reel. 2,354,375; July 25.

Hromatka, Otto, Darmstadt, Germany, assignor to Merck & Co. Inc., Rahway, N. J. Chromanes and producing same. 2,354,317; July 25.

Hubbard Spool Company. (See Howsam, Hilyard C., assignor.)

Hughes, Ausker E., Wyandotte, H. B. Browne, Trenton, and H. F. Roderick, Grosse Ile, assignors, by mesne assignments, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Calcium carbonate-adhesive base product and preparing coatings therefrom. 2,354,318; July 25.

Hussey, Albert R. (See Pennybacker, M., and Hussey.)

Hydraulic Brake Company. (See Miller, Raymond J., assignor.)

Ibach, Emil, assignor to Cruver Manufacturing Company, Chicago, Ill. Decorating articles. 2,354,637; July 25.

Indium Corporation of America. (See Murray, William S., assignor.)

Inman, Walter A., Waukegan, Ill. Topical preparation. 2,354,319; July 25.

International Combustion Limited. (See Harlow, Walter F., assignor.)

International Detachable Bits & Equipment Limited. (See O'Neil, Charles E., assignor.)

International Harvester Company. (See Evans, Arthur G., assignor.)

International Harvester Company. (See Hitchcock, Rex B., assignor.)

International Harvester Company. (See McNamara, Gordon G., Jr., assignor.)

International Harvester Company. (See Orelind, John R., assignor.)

International Lubricant Corporation. (See Fraser, H. M., and Maxwell, assignors.)

International Register Company. (See Gallagher, William P., assignor.)

International Standard Electric Corporation. (See Earp, Charles W., assignor.)

Jack & Heints, Inc. (See Carlson, B. G., and Tyler.)

Jacobs Manufacturing Company, The. (See Stoner, Arthur M., assignor.)

Jacobson, Ralph A., Landenburg, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerisation of acrylic compounds. 2,354,210; July 25.

Jahn, Hellmuth. (See Wolfram, A., and Jahn.)

James Manufacturing Company. (See Waterman, Arthur E., assignor.)

Jandasek, Joseph, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Turbotransmission. 2,354,596; July 25.

Jandasek, Joseph, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Turbotransmission. 2,354,597; July 25.

Jans, Clarence R., Milwaukee, Wis. Electric lighting set. 2,354,598; July 25.

Jeckel, Norman C., Glens Falls, N. Y., assignor to United States Catheter & Instrument Corp. Method of and apparatus for braiding. 2,354,212; July 25.

Jendrassik, George, Budapest, Hungary; vested in the Alien Property Custodian. Rotary engine, mainly gas turbine. 2,354,213; July 25.

Johns-Manville Corporation. (See Donahue, William T., assignor.)

Johnson, Carl A., Fort Worth, Tex. Ice hoisting apparatus. 2,354,462; July 25.

Johnson, Harry L., Minneapolis, Minn. Corn sizing apparatus. 2,354,376; July 25.

Johnson, Harry L., Minneapolis, Minn. Corn grading apparatus. 2,354,377; July 25.

Johnson, Harry L., Minneapolis, Minn. Screen cleaner for corn sizing apparatus. 2,354,378; July 25.

Johnson, Joel E., Boaz, Ala. Saw lubricating device. 2,354,379; July 25.

Johnson, Joseph W., Middleton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Interface modifying substance. 2,354,320; July 25.

Johnson, Olaf A. (See Carlsen, L. O., and Johnson.)

Jones, John L., North Billerica, assignor to Stockton Profile Gauge Corporation, Lowell, Mass. Compensating roll drive mechanism. 2,354,599; July 25.

Jones, Raynor L. (See Reinhardt, R. C., Jones, and Blackhurst.)

Kapella Limited. (See Reason, Richard E., assignor.)

Kasten, Walter, Franklin, asignor to R. L. Skinner, Birmingham, Mich. Filter. 2,354,380; July 25.

Keiser, Bernhard. (See De Groote, M., and Keiser.)

Kemper, Harry C., Goshen Township, Clermount County, and R. R. Ruzicka, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Machine tool rapid traverse mechanism. 2,354,266; July 25.

Kemper, Harry C. (See Groene, W. F., and Kemper.)

Kennedy, James D., Chattanooga, Tenn. Globe. 2,354,381; July 25.

Kent, Lee W., Evanston, Ill. Window control. 2,354,382; July 25.

Kienle, Roy Herman, and C. A. Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Vat color composition for printing. 2,354,463; July 25.

Klesskalt, Siegfried, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian. Adsorbing gases and vapors. 2,354,383; July 25.

Kilmer, Charles B. (See Lowey, R. E., Potter, and Kilmer.)

King-Seeley Corporation. (See Bel, Rupert B., assignor.)

Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Load equalizing system. 2,354,522; July 25.

Klingman, Willard L. (See Wilson, R. F., and Klingman.)

Knipe, Robert K. (See Labaree, B., and Knipe.)

Koehring, Roland P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Heat-treating apparatus. 2,354,523; July 25.

Kornrumpf, Max C., Chicago, Ill. Emergency door lock release. 2,354,321; July 25.

Kretchmer, Murray, New York, N. Y. Folding box. 2,354,600; July 25.

Kuhn, Max O., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Container. 2,354,425; July 25.

Kumetat, Karl, Wolfen, Kreis Bitterfeld, and O. Riester, Dessau-Haldeburg, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Trimethinecyanine dyestuffs. 2,354,524; July 25.

Labaree, Benjamin, and R. K. Knipe, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Economizer door for boiler enclosures. 2,354,384; July 25.

Lambert Brake Corporation. (See Lambert, Homer T., assignor.)

Lambert, Homer T., assignor to Lambert Brake Corporation, St. Joseph, Mich. Brake. 2,354,385; July 25.

Lane, George W., Clifton, assignor to Van Vlaanderen Machine Co., Paterson, N. J. Winding system. 2,354,322; July 25.

Lang, Everett H., Tuckahoe, and J. S. Buck, Bronxville, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Insulin preparation. 2,354,211; July 25.

Lansdowne Steel & Iron Company. (See Layton, LeRoy, assignor.)

Lapointe, Edmond, and A. E. Zimmerman, Noranda, and A. E. Zimmerman, Normetal, Quebec, Canada. Truck or cage for raising or lowering material. 2,354,525; July 25.

Lapsley, Robert, and D. S. Dence, Berrien Springs, assignors to Clark Equipment Company, Buchanan, Mich. Synchroniser and making the same. 2,354,526; July 25.

Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove. 2,354,601; July 25.

Laury, Napoleon A., Rockville Centre, assignor to American Cyanamid Company, New York, N. Y. Manufacture of chlorsulphonic acid. 2,354,464; July 25.

Lawler, Frank P., Chicago, Ill., assignor of one-third to C. H. Grant, San Francisco, Calif., one-third to F. P. Lawler, Chicago, Ill., and one-third to P. J. Tyler, Oroville, Calif. Hoist. 2,354,386; July 25.

Lawler, Frank P., Chicago, Ill., assignor of one-third to C. H. Grant, San Francisco, Calif., one-third to F. P. Lawler, Chicago, Ill. and one-third to P. J. Tyler, Oroville, Calif. Hoist. 2,354,387; July 25.

Layton, Le Roy, Lansdowne, assignor to Lansdowne Steel & Iron Company, Morton, Pa. Billet bar breaker. 2,354,323; July 25.

Le Bert, Charles A., Evangeline, assignor of one-half to C. V. Radke, Jenning, La. Propeller type drive. 2,354,465; July 25.

Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Kemper, assignors.)

Le Blond, R. K., Machine Tool Company, The. (See Kemper, H. C., and Ruzicka, assignors.)

Lett, Julian T. (See Wiley, Lee M., assignor.)

Levinsen, Claus, Brooklyn, N. Y. Ventilator. 2,354,466; July 25.

Lewis, John S., Frederick, Okla. Smoking pipe. 2,354,388; July 25.

Lidkea, Harvey J., Detroit, Mich., assignor to American Brake Shoe Company. Friction element. 2,354,389; July 25.

Ligh, David R., New Dorp, and F. F. Ehrenhaft, Forest Hills, N. Y., assignors to Darli Industrial Management, Incorporated, Hartford, Conn. Universal joint. 2,354,467; July 25.

Like, Ernest, assignor to The Selby Shoe Company, Portsmouth, Ohio. Sewing machine. 2,354,468; July 25.

Likely, Arthur H., Saint John, New Brunswick, Canada. Culvert structure. 2,354,527; July 25.

Linde Air Products Company, The. (See Lytle, A. R., and Morton, assignors.)

Lingerfelt, Granville E., and E. B. Trout, Los Angeles, Calif.; said Trout assignor to said Lingerfelt. Apparatus for sorting rivets. 2,354,419; July 25.

Lipe-Rollway Corporation. (See Spase, Charles B., assignor.)

Lloyd, William D., et al. (See Harmon, Luther R., assignor.)

Lockwood, Ernest R., Joliet, Ill. Differential gearing. 2,354,214; July 25.

Logansport Machine, Incorporated. (See Hillis, David R., assignor.)

Longenecker, Levi S., Mount Lebanon, Pa. Regenerative furnace and burning liquid fuel therein. 2,354,324; July 25.

Lowey, Roy E., Evanston, E. C. Potter, Chicago, and C. B. Kilmer, River Forest, assignors to Container Corporation of America, Chicago, Ill. Carrier for bottles. 2,354,528; July 25.

Lowy, Larry, Rockaway Park, N. Y. Push lock for bathroom scales. 2,354,390; July 25.

Luber-Finer, Inc. (See Russell, John K., assignor.)

Lubetsky, David, Detroit, Mich. Can opener. 2,354,469; July 25.

Ludwick, William L., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Control device. 2,354,529; July 25.

Lutz, Frederick, Stuttgart, Wurttemberg, Germany; vested in the Alien Property Custodian. Edge ornamentation for fabrics. 2,354,215; July 25.

Lynch, Charles S. (See Wood, J. E., III, and Lynch.)

Lynch Manufacturing Corporation. (See Sandberg, Oscar, assignor.)

Lyon, Walter E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Wheel construction. 2,354,444; July 25.

Lytle, Arthur R., and W. Morton, Niagara Falls, N. Y., assignors to The Linde Air Products Company. Welding. 2,354,267; July 25.

MacGregor, Wallace F., deceased, by R. D. Miller and E. B. Hand, administrators, assignors to J. I. Case Company, Racine, Wis. Combination harvester-thresher. 2,354,346; July 25.

Macintosh, Robert R., Oxford, England, assignor to The Foregger Company, Inc. Laryngoscope. 2,354,471; July 25.

MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole margin cementing machine. 2,354,216; July 25.

MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe-bottom-coating machine. 2,354,326; July 25.

Mack, Gerry, Jackson Heights, N. Y., assignor to Advance Solvents and Chemical Corporation. Materials for creaming latex and like materials. 2,354,531; July 25.

MacLean-Fogg Lock Nut Company. (See Doke, Ernest G., assignor.)

Macwhyte Company. (See Russell, William C., assignor.)

Malcom, Robert, Chicago, Ill., assignor to Chicago Eye Shield Company. Ophthalmic mounting. 2,354,603; July 25.

Maltbie Chemical Company, The. (See Walter, L. A., and Goodson, assignors.)

Maltbie Chemical Company, The. (See Walter, Lewis A., assignor.)

Mallory, Marion, Detroit, Mich. Ignition system. 2,354,472; July 25.

Manley, Ralph H., and C. D. Evans, Peoria, Ill., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Extracting prolamines. 2,354,393; July 25.

Manning, Bowman & Co. (See Young, A. M., and Adams, assignors.)

Mappes, Charles E., and W. C. Wootton, Cincinnati, Ohio. Black-out lamp. 2,354,394; July 25.

Marchand, Adolph, Jackson Heights, N. Y. Adjustable support for shelving. 2,354,269; July 25.

Marchant, Guy O., et al. (See Walker, Jay P., assignor.)

Marco Company. (See Marco, John, assignor.)

Marco, John, assignor to Marco Company, Inc., Wilmington, Del. Seal gland and armor therefor. 2,354,270; July 25.

Marple, Kenneth E. (See Finch, H. D., and Marple.)

Marquette Metal Products Company. (See Orshansky, Elias, Jr., assignor.)

Martin, Mervin E. (See Haney, C. L., and Martin.)

Martin Motors, Inc. (See Szekely, Otto E., assignor.)

Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Hot water tank construction. 2,354,532; July 25.

Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Tank fitting. 2,354,533; July 25.

Mason, Adam E., Belleville, assignor to R. L. Skinner, Detroit, Mich. Filterelement. 2,354,395; July 25.

Mason, Frederick P., assignor to Creed and Company Limited, Croydon, England. Telegraph system. 2,354,534; July 25.

Mauro, Oswald G. (See Dons, E. M., and Mauro.)

Maxwell, Thomas A. (See Fraser, H. M., and Maxwell.)

Mayer, James L., Chicago, Ill. Manometer. 2,354,327; July 25.

McCaleb, Albert G. (See Older, Clifford, assignor.)

McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,354,602; July 25.

McCourt, Arthur R., Butte, Mont. Machine control. 2,354,391; July 25.

McCoy, Howard M., Patterson Field, Ohio. Integrated model airplane. 2,354,392; July 25.

McGill, Katherine. (See Topken, Katherine McG.)

McHale, Thos. D., Mfg. Co. (See Walker, H. J., and Settlage, assignors.)

McMahon, Richard P., assignor to Bronson Reel Company, Bronson, Mich. Fishing reel. 2,354,530; July 25.

McMullin, Roy A., Waban, assignor to Redler Conveyor Company, Quincy, Mass. Conveying apparatus. 2,354,325; July 25.

McNamara, Gordon G., Jr., Chicago, Ill., assignor to International Harvester Company. Hitch. 2,354,268; July 25.

Meehanite Metal Corporation. (See Reece, Herbert A., assignor.)

Merck & Co. Inc. (See Hromatka, Otto, assignor.)

Metsger, Frederick, Mount Vernon, N. Y. Cycle saddle spring. 2,354,328; July 25.

Metzger, William J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,354,271; July 25.

Mid-Continent Petroleum Corporation. (See Dons, E. M., and Mauro, assignors.)

Miller, Burton F., Beverly Hills, Calif., assignor to Radio Corporation of America. Motor starting system. 2,354,329; July 25.

Miller Company, The. (See Beals, Gillson W., assignor.)

Miller, Floyd L. (See Richardson, R. W., Miller, and Winning.)

Miller, Kinney I., Lancaster, and I. Dunbar, Kirksville, Mo. Cool water reservoir for refrigerators. 2,354,272; July 25.

Miller, Raymond J., assignor to Hydraulic Brake Company, Detroit, Mich. Turbotransmission. 2,354,396; July 25.

Miller, Richard D., et al., administrators. (See MacGregor, Wallace F.)

Miller, Sidney E., assignor to General Motors Corporation, Dayton, Ohio. Jacket type respirator. 2,354,397; July 25.

Minton, John P., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Contractor-expander for electric seismographs. 2,354,420; July 25.

Minute-Man Machine Co., The. (See Dreher, Stanley C., assignor.)

Morton, William. (See Lytle, A. R., and Morton.)

Morton, William A., Mt. Lebanon, assignor to The Amsler-Morton Company, Pittsburgh, Pa. Supporting pit-furnace covers. 2,354,330; July 25.

Muffly, Gary, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Electrical prospecting. 2,354,535; July 25.

Mullinix, Gird E., San Marino, and A. E. Hambly, Montebello, assignors to Byron Jackson Co., Huntington Park, Calif. Elevator device. 2,354,217; July 25.

Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)

Murray, William S., Utica, N. Y., assignor to Indium Corporation of America. Operation and lubrication of mechanical apparatus. 2,354,218; July 25.

National Folding Box Company. (See Williamson, Marshall I., assignor.)

National Malleable and Steel Castings Company. (See Metzger, William J., assignor.)

National Rayon Dyeing Company, et al. (See Adams, Arthur H., Jr., assignor.)

Nelson, Joseph F., Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricating oil composition. 2,354,536; July 25.

Nelson, Mildred P., et al. (See Polsen, S. D., and Nelson, assignors.)

Nelson, Sven H. (See Polsen, S. D., and Nelson.)

Neubaum, Archie A., and T. Engstrom, Gary, Ind. Rerailer for cars on tracks. 2,354,473; July 25.

Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Disk brake construction. 2,354,604; July 25.

Newton, Gaylord W., Seattle, Wash., and P. Heftler, Grosse Pointe Park, Mich. Spring suspension. 2,354,219; July 25.

Newton, Ralph K., and I. C. Prafke, Madison, Wis. Attachment for cigarette packages. 2,354,398; July 25.

Noble, John D., Santa Monica, and E. E. Van Dyke, Sherman Oaks, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Turnbuckle. 2,354,474; July 25.

Noble, Wiley B., assignor to Reed Roller Bit Company, Houston, Tex. Side hole coring device. 2,354,399; July 25.

Nordyke, John S., Joplin, Mo., assignor to The Eagle-Picher Lead Company, Cincinnati, Ohio. Producing lead arsenate. 2,354,475; July 25.

Norgaard, Donald E., Schenectady, N. Y., assignor to General Electric Company. Wide band coupling for transmission lines. 2,354,537; July 25.

Norman, Fred B., Brooklyn, N. Y. Vibration motor. 2,354,605; July 25.

North Carolina Granite Corporation, The. (See Smith, Frank L., assignor.)

Novotny, Charles K., and J. T. Cox, Jr., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Manufacturing tires. 2,354,424; July 25.

Oertel, Clarence M., Detroit, Mich. Internal-combustion engine valve control. 2,354,606; July 25.

Okerholm, Carl H., Lakewood, and A. Pasquale, Providence, R. I., assignors, by mesne assignments, to American Metal Crafts Company. Pin stem clutch. 2,354,638; July 25.

Okonite-Callender Cable Company. (See Bennett, Charles E., assignor.)

Older, Clifford, Wilmette, assignor of one-half to A. G. McCaleb, Evanston, Ill. Camera. 2,354,273; July 25.

O'Neil, Charles E., Timmins, assignor of twenty-five per cent to International Detachable Bits & Equipment Limited, South Porcupine, Ontario, Canada. Peeling and slicing attachment for knives. 2,354,607; July 25.

Orelind, John R., Wilmette, Ill., assignor to International Harvester Company. Agricultural implement. 2,354,274; July 25.

Orshansky, Elias, Jr., University Heights, assignor, by mesne assignments, to Marquette Metal Products Company, Cleveland, Ohio. Valve. 2,354,608; July 25.

Ouellette, Francois. (See Passick, M., and Ouellette.)

Parker Appliance Company, The. (See Parker, Arthur L., assignor.)

Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Tube coupling. 2,354,538; July 25.

Pasquale, Attilio. (See Okerholm, C. H., and Pasquale.)

Passick, Murray, Hartford, and F. Ouellette, Wilson, Conn. Scribing instrument. 2,354,539; July 25.

Patterson Manufacturing Company, et al. (See Harmon, Luther R., assignor.)

Peck, Edward B., Elizabeth, N. J., assignor, by mesne assignments, to Standard Catalytic Company. Production of physiologically inert oil. 2,354,540; July 25.

Peets, Wilbur J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lapping machine. 2,354,347; July 25.

Pelouch, James J., Cleveland, Ohio, assignor to The United States Air Compressor Company. Fluid pump. 2,354,220; July 25.

Pemberton, Christopher A., Toronto, Ontario, Canada. Meat cooking carton. 2,354,401; July 25.

Penn Electric Switch Co. (See Shaw, Burton E., assignor.)

Pennybacker, Miles, West Orange, and A. R. Hussey, Lyndhurst, N. J.; said Hussey assignor to said Pennybacker. Luminous discharge tube. 2,354,421; July 25.

Percy, James W., Jersey City, N. J., assignor to United States Steel Corporation of Delaware. Bessemer converter blow control method. 2,354,400; July 25.

Petrolite Corporation, Ltd. (See De Groote, M., and Keiser, assignors.)

Petruccione, Alfred L. (See Petruccione, Max J. and A. L.)

Petruccione, Max J. and A. L., New York, N. Y. Combined pencil and first-aid kit. 2,354,402; July 25.

Pheips, Justin. (See Hagen, Henry, assignor.)

Philip Carey Manufacturing Company. (See Greider, H. W., and Fasold, assignors.)

Phillips, Dwight M., Fullerton, assignor to Chikwan Tool Company, Brea, Calif. Swing joint. 2,354,416; July 25.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Treating pistons. 2,354,275; July 25.

Phillips Petroleum Company. (See St. Clair, Theodore A., assignor.)

Phillips Petroleum Company. (See Whaley, Thomas H., Jr., assignor.)

Phipps, Charles A., Hartsdale, N. Y. Diffusion apparatus. 2,354,609; July 25.

Plosky, Saul, New York, N. Y. Ear clip. 2,354,610; July 25.

Pneumatic Scale Corporation, Limited. (See Everett, Arthur C., assignor.)

Polaroid Corporation. (See Blake, Robert P., assignor.)

Polsen, Blanche H., et al. (See Polsen, S. D., and Nelson, assignors.)

Polsen, Samuel D., and S. H. Nelson, assignors of one-fourth to B. H. Polsen and one-fourth to M. P. Nelson, Bridgeport, Conn. Dispensing apparatus. 2,354,348; July 25.

Polsen, Samuel D., and S. H. Nelson, assignors of one-fourth to B. H. Polsen and one-fourth to M. P. Nelson, Bridgeport, Conn. Cup disposal system. 2,354,349; July 25.

Polydoroff, Wladimir J., Wilmette, Ill. High-frequency ferroinductor. 2,354,331; July 25.

Polydoroff, Wladimir J., Wilmette, Ill. Loop antenna. 2,354,332; July 25.

Poole, Jesse V., Abington, assignor to The Puritan Manufacturing Company, Boston, Mass. Folder and cutter attachment for sewing machines. 2,354,476; July 25.

Potter, Earl C. (See Lowey, R. E., Potter, and Kilmer.)

Prafke, Irwin C. (See Newton, R. K., and Prafke.)

Progressive Welder Company. (See Benkert, Louis M., assignor.)

Puritan Manufacturing Company, The. (See Poole, Jesse V., assignor.)

Puritan Manufacturing Company, The. (See Valentine, Percy W., assignor.)

Quarfoot, Harry B., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Fire extinguishing apparatus. 2,354,611; July 25.

Radbruch, Walter H., San Francisco, Calif. Measuring dispenser. 2,354,477; July 25.

Radde, Henry H. and W. A., Bay City, Mich. Sugar beet seed drill and fertilizer attachment. 2,354,541; July 25.

Radde, William A. (See Radde, Henry H. and W. A.)

Radford Company, The. (See Radford, Frank W., assignor.)

Radford, Frank W., assignor to The Radford Company, Oshkosh, Wis. Poultry feeder. 2,354,612; July 25.

Radio Corporation of America. (See Albin, Frederick G., assignor.)

Radio Corporation of America. (See Blain, Albert, assignor.)

Radio Corporation of America. (See Eddy, William C., assignor.)

Radio Corporation of America. (See Finch, James L., assignor.)

Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)

Radio Corporation of America. (See Goodale, Elmer D., assignor.)

Radio Corporation of America. (See Hershberger, William D., assignor.)

Radio Corporation of America. (See Hillier, James, assignor.)

Radio Corporation of America. (See Miller, Burton F., assignor.)

Radio Corporation of America. (See Schock, Robert E., assignor.)

Radio Corporation of America. (See Zowrykin, V. K., Hillier, and Ramberg, assignors.)

Radke, Carroll V. (See Le Bert, Charles A., assignor.)

Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Generator regulator. 2,354,542; July 25.

Raikin, Leo, Jamaica, N. Y. Indicating device for welding machines. 2,354,613; July 25.

Ramberg, Edward G. (See Zworykin, V. K., Hillier, and Ramberg.)

Ratcliff, Francis K., assignor to Container Corporation of America, Chicago, Ill. Carton. 2,354,543; July 25.

Rath, Karl, New York, N. Y. Automatic exposure control. 2,354,544; July 25.

Rath, Karl, New York, N. Y. Optical exposure meter. 2,354,545; July 25.

Rawlings Manufacturing Company. (See Latina, Harry B., assignor.)

Reason, Richard E., assignor to Kapella Limited, Leicester, England. Optical projection system. 2,354,614; July 25.

Reconstruction Finance Corporation. (See Quarfoot, Harry B., assignor.)

Reconstruction Finance Corporation. (See Williamson, Hilding V., assignor.)

Redler Conveyor Company. (See McMullin, Roy A., assignor.)

Reece Button Hole Machine Company, The. (See Thornton, David B., assignor.)

Reece, Herbert A., Cleveland Heights, Ohio, assignor to Meehanite Metal Corporation. Apparatus for supplying air and the like. 2,354,276; July 25.

Reed Roller Bit Company. (See Noble, Wiley B., assignor.)

Reeves, Edward D., Cranford, N. J., assignor to Standard Oil Development Company. Treating hydrocarbon fluids. 2,354,546; July 25.

Reggio, Ferdinando C., Detroit, Mich., assignor to Caterpillar Tractor Company, Peoria, Ill. Fuel injection system. 2,354,403; July 25.

Reinhardt, Otto A. (See Honert, J. H., and Reinhardt, O. A. and W. J.)

Reinhardt, Robert C., R. L. Jones, and L. N. Blackburst, assignors to The Dow Chemical Company, Midland, Mich. Shaft seal. 2,354,478; July 25.

Reinhardt, Walter J. (See Honert, J. H., and Reinhardt, O. A. and W. J.)

Remington Rand Inc. (See Rindfleisch, Arthur G., assignor.)

Republic Flow Meters Company. (See Rosenberger, Albert J., assignor.)

Richards Chemical Works, The. (See Sheps, L. J., Boischair, Cooper, and Fristensky, assignors.)

Richardson, Edward E., Waterville, Ohio. Receiver for firearm ejected shells. 2,354,277; July 25.

Richardson, Roger W., Baton Rouge, La., F. L. Miller, and C. Winning, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating oil composition. 2,354,547; July 25.

Ricker, Norman H., Tulsa, Okla., assignor to Standard Oil Development Company. Seismic prospecting. 2,354,548; July 25.

Riester, Oskar. (See Kumetat, K., and Riester.)

Rindfleisch, Arthur G., Cincinnati, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Card controlled mechanism. 2,354,549; July 25.

Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Detector for axminster selvage shuttles. 2,254,615; July 25.

Robinson, Bestor, U. S. Army, Oakland, Calif. Stove. 2,354,221; July 25.

Robinson, James, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,354,278; July 25.

Roby, Horace H., assignor to Roby Inc., Wichita, Kans. Pitch adjusting mechanism for variable pitch propellers. 2,354,422; July 25.

Roby Inc. (See Roby, Horace H., assignor.)

Roderick, Howard F. (See Hughes, A. E., Browne, and Roderick.)

Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricant. 2,354,550; July 25.

Rosenberger, Albert J., Wilmette, assignor to Republic Flow Meters Company, Chicago, Ill. Pressure responsive measuring instrument. 2,354,423; July 25.

Rosenthal, Fritz, assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Phenolic molding composition. 2,354,479; July 25.

Ross, Timothy T., Cleveland, Ohio. Fishing signal. 2,354,279; July 25.

Rossi, Irving. (See Rossmann, Peter F., assignor.)

Rossmann, Peter F., Snyder, N. Y., assignor to I. Rossi West Orange, N. J. Fastener. 2,354,480; July 25.

Rotor Tool Company, The. (See Emery, William M., assignor.)

Russell, John K., assignor to Luber-Finer, Inc., Los Angeles, Calif. Filter shell. 2,354,481; July 25.

Russell, William C., assignor to Macwhyte Company, Kenosha, Wis. Thimble. 2,354,280; July 25.

Ruzicka, Roger R. (See Kemper, H. C., and Ruzicka.)

Sabin, Ernest E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating on insoles. 2,354,333; July 25.

St. Clair, Theodore A., Pontiac, Mich., assignor to Phillips Petroleum Company. Antibuzz fluid pressure regulator. 2,354,283; July 25.

St. Pierre, Eugene, and D. H. Fregeolle, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Making stocking tops. 2,354,557; July 25.

Salle, Anthony J., West Los Angeles, and H. L. Guest, Ocean Park, assignors of one-half to L. A. Gunther, Robbins, Calif. Germicides and producing same. 2,354,334; July 25.

Sandberg, Oscar, assignor to Lynch Manufacturing Corporation, Defiance, Ohio. Article feeding mechanism. 2,354,482; July 25.

Sanders, Henry H., Nederland, Tex. Dressing machine for pipe wrench parts. 2,354,616; July 25.

Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Shock absorber. 2,354,428; July 25.

Sawyer Electrical Mfg. Co. (See Sawyer, Marion B., assignor.)

Sawyer, Marion B., assignor to Sawyer Electrical Mfg. Co., Los Angeles, Calif. Electromagnetic apparatus and making the same. 2,354,551; July 25.

Sayles, Louis F., assignor of one-half to L. P. Sayles, Portland, Oreg. Holding bracket. 2,354,404; July 25.

Sayles, Louise P. (See Sayles, Louis F., assignor.)

Scammell, Harry J. (See Watter, M., and Scammell.)

Schacht, William F., Huntington, Ind. Cattle marker. 2,354,617; July 25.

Schimmel, Moe, New York, N. Y. Tape cutting machine. 2,354,293; July 25.

Schimmel, Moe, New York, N. Y. Tape cutting machine. 2,354,294; July 25.

Schirra, Oliver E., Garfield Heights, Ohio. Window shield. 2,354,443; July 25.

Schneider, Wilhelm, and A. Fröhlich, Dessau, and W. Zeh, Wolfen, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Color photographic image. 2,354,552; July 25.

Schock, Robert E., Riverhead, N. Y., assignor to Radio Corporation of America. Voltage variation compensator. 2,354,483; July 25.

Schuetz, Clyde C., assignor to United States Gypsum Company, Chicago, Ill. Coated structural material. 2,354,350; July 25.

Schuetz, Clyde C., Mount Prospect, assignor to United States Gypsum Company, Chicago, Ill. Coating structural material. 2,354,351; July 25.

Schultz, Alfred S., and L. Atkin, Bronx, and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Yeast propagation. 2,354,281; July 25.

Schusterman, Adolph, New York, N. Y. Light trap for removable reflector filters for one-shot multicolor plate cameras. 2,354,405; July 25.

Seeger, Edwin W., Wauwatosa, assignor to Cutler, Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 2,354,406; July 25.

Selby Shoe Company, The. (See Like, Ernest, assignor.)

Settlage, Robert R. (See Walker, H. J., and Settlage.)

Seymour, Herbert T., Easton, Md., assignor to A. R. Exiner, Chicago, Ill. Double seal siding. 2,354,639; July 25.

Shaks, William P., New York, N. Y. Ventilated shoe. 2,354,407; July 25.

Sharples Corporation, The. (See Sharples, Laurence P., assignor.)

Sharples, Laurence P., Ardmore, assignor to The Sharples Corporation, Philadelphia, Pa. Oil purifying system. 2,354,352; July 25.

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Float switch. 2,354,282; July 25.

Shell Development Company. (See Finch, H. D., and Marple, assignors.)

Shellenberger, Rolfe, Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange installation. 2,354,222; July 25.

Shellmar Products Company. (See Gilfillan, P. M., and Gurwick, assignors.)

Sheps, Louis J., Saint Jean, M. A. Boischair, Iberville, K. V. Cooper, and P. Fristensky, Saint Jean, Quebec, Canada, assignors to The Richards Chemical Works, Jersey City, N. J. Treating textile yarns. 2,354,235; July 25.

Sherk, Daniel L., Cloquet, Minn. Recovering constituents of waste sulphite liquor. 2,354,553; July 25.

Sherrill, Sloan S., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Glare eliminating device. 2,354,408; July 25.

Shifrin, Joseph D., et al. (See Bodenstein, Paul H., assignor.)

Shmidl, Albert J. (See Cone, J. H., and Shmidl.)

Showalter, Jere C., Goose Creek, and M. Wiggen, Baytown, Tex., assignors to Standard Oil Development Company. Preparing derivatives of acid sludges. 2,354,554; July 25.

Sias, Frederick R., Marblehead, Mass., assignor to General Electric Company. Temperature indicator. 2,354,555; July 25.

Sias, Frederick R., Marblehead, Mass., assignor to General Electric Company. Indicator. 2,354,618; July 25.

Simpson, John, Chicago, Ill. Fountain pen. 2,354,484; July 25.

Singer Manufacturing Company, The. (See Peets, Wilbur J., assignor.)

Skinner, Ralph L. (See Kasten, Walter, assignor.)

Skinner, Ralph L. (See Mason, Adam E., assignor.)

Slaughter, Charles E, New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Composite article and element therefor. 2,354,485; July 25.

Sloane, William W, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,354,336; July 25.

Smith, A. O., Corporation. (See Martin, Wesley G., assignor)

Smith, A. O., Corporation. (See Yost, Lloyd, assignor.)

Smith, Frank L., assignor to The North Carolina Granite Corporation, Mount Airy, N. C. Loading and unloading apparatus for self-propelled vehicles. 2,354,337; July 25.

Smith, Jesse H., Springfield, Mass. Valve for floor waxers. 2,354,619; July 25.

Smith, John W., Philadelphia, Pa. Fuel injection turbine. 2,354,620; July 25.

Smith Meter Company. (See Dand, W. R., and Steen, assignors.)

Smith, William J., Rocky River, and A. von Haase, Lakewood, assignors to Cleveland Steel Products Corporation, Cleveland, Ohio. Oil burning apparatus. 2,354,223; July 25.

Snap-On Tools Corporation. (See Daniel, William W., assignor.)

Snyder and Black. (See Georgi, Carl, assignor.)

Society of Chemical Industry in Basle. (See Felix, F., and von Capeller, assignors.)

Socony-Vacuum Oil Company. (See Abrams, A. J., and Welinsky, assignors.)

Socony-Vacuum Oil Company. (See Abrams, Armand J., assignor.)

Socony-Vacuum Oil Company. (See Minton, John P., assignor.)

Solvay Process Company, The. (See Beckham, Leland J., assignor.)

SountScriber Corporation. (See Thompson, Lincoln, assignor.)

Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Clutch. 2,354,621; July 25.

Spitzer, Hans, Klein Kwartier, Curacao, Netherlands West Indies. Rotary engine. 2,354,486; July 25.

Stahl, William F., Evanston, Ill. Forming laminated tubular bodies. 2,354,556; July 25.

Standard Brands Incorporated. (See Schultz, A. S., Atkin, and Frey, assignors.)

Standard Catalytic Company. (See Hemminger, Charles E., assignor.)

Standard Catalytic Company. (See Peck, Edward B., assignor.)

Standard Oil & Gas Company. (See Goodwin, Lloyd O., assignor.)

Standard Oil Company. (See Webber, R. C., and Anderson, assignors.)

Standard Oil Development Company. (See Cone, J. H., and Shmidl, assignors.)

Standard Oil Development Company. (See Nelson, Joseph F., assignor.)

Standard Oil Development Company. (See Reeves, Edward D., assignor.)

Standard Oil Development Company. (See Richardson, R. W., Miller, and Winning, assignors.)

Standard Oil Development Company. (See Ricker, Norman H., assignor.)

Standard Oil Development Company. (See Rosen, Raphael, assignor.)

Standard Oil Development Company. (See Showalter, J. C., and Wiggen, assignors.)

Standard Oil Development Company. (See Wood, J. E., III, and Lynch, assignors.)

Standard Safety Equipment Co. (See Woodard, Raymond G., assignor.)

Stanolind Oil and Gas Company. (See Bays, George S., assignor.)

Stedman, Theodore W., New York, N. Y., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Plastic fabric. 2,354,435; July 25.

Stedman, Theodore W., New York, N. Y., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Seat cushion construction. 2,354,436; July 25.

Steen, William E. (See Dand, W. R., and Steen.)

Stein, Irving L., Brooklyn, N. Y. Protective covering for electrical outlet boxes. 2,354,224; July 25.

Stern, I., & Co. (See Strasser, Edward, assignor.)

Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for making inner tubes. 2,354,432; July 25.

Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building apparatus. 2,354,434; July 25.

Stewart-Warner Corporation. (See Ayres, Francis L., assignor.)

Stewart-Warner Corporation. (See Wintergreen, Charles J., assignor.)

Stifler, Harold F., Medway, Ohio. Developing tank. 2,354,225; July 25.

Stockton Profile Gauge Corporation. (See Jones, John L., assignor.)

Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Keyless chuck. 2,354,226; July 25.

Strasser, Edward, Rockville Center, assignor to I. Stern & Co., Inc., New York, N. Y. Laminated solder-filled sheet metal. 2,354,409; July 25.

Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Safety shoe. 2,354,333; July 25.

Studebaker Corporation, The. (See Greenlee, Harry R., assignor.)

Suelflow, Alfred G., Milwaukee, Wis. Vegetable bunch tying machine. 2,354,410; July 25.

Sullins, Howard H., assignor to General Motors Corporation, Detroit, Mich. Electrical equipment. 2,354,339; July 25.

Swartz, Otto, Toledo, Ohio. Decorative plaque. 2,354,622; July 25.

Sylvania Industrial Corporation. See Brown, Harry S., assignor.)

Szekely, Otto E., Philadelphia, Pa., assignor to Martin Motors, Inc., Dover, Del. Internal-combustion engine. 2,354,227; July 25.

Taylor, Taylor & Hobson Limited. (See Cox, Arthur, assignor.)

Texas Company, The. (See Garrison, Allen D., assignor.)

Textile Machine Works. (See Aschenbrenner, Charles S., assignor.)

Thermek Corporation. (See Barrett, Harold G., assignor.)

Thompson, Lincoln, Cheshire, assignor to The Sound-Scriber Corporation, New Haven, Conn. Stylus head mounting for dictating machines. 2,354,558; July 25.

Thompson, Meyer, Los Angeles, Calif. Deep fat frying kettle. 2,354,487; July 25.

Thompson, Richard A., assignor to Colonial Broach Company, Detroit, Mich. Apparatus for machining spiral grooves. 2,354,411; July 25.

Thornton, David B., West Newton, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 2,354,559; July 25.

Tietig, Chester, Covington, Ky. Solution feeding or decanting apparatus. 2,354,623; July 25.

Topken, Katherine M., nèe Katherine McGill. Support for telephone handsets. 2,354,470; July 25.

Traylor, John A., deceased, by T. S. Traylor, E. T. Eisenhand, and J. B. Traylor, co-executors, and J. B. Traylor, Denver, Colo. Electromagnetic motor. 2,354,488; July 25.

Traylor, John B. (See Traylor, John A. and J. B.)

Traylor, John B., et al, co-executors. (See Traylor, John A. and J. B.)

Traylor, Tessie S., et al., co-executors. (See Traylor, John A. and J. B.)

Troup, Elmo K., Miami, Fla. Scarifier. 2,354,560; July 25.

Trout, Evelyn B. (See Lingerfelt, G. E., and Trout.)

Tryon Processing Co., et al. (See Adams, Arthur H., Jr., assignor.)

Tucker, Thomas T., Atlanta, Ga. Black-out means. 2,354,489; July 25.

Tung-Sol Lamp Works, Inc. (See Braunsdorff, Reginald K., assignor.)

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder. 2,354,284; July 25.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester Mass. Bobbin support for weft replenishing looms. 2,354,285; July 25.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control system for weft replenishing looms. 2,354,624; July 25.

Tyler, Grover. (See Carlson, B. G., and Tyler.)

Tyler, Paul J., et al. (See Lawler, Frank J., assignor.)

Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)

Underwood, James W. (See D'Alelio, G. F., and Underwood.)

Union Cinephone Corporation. (See Deitz, Stephen J., assignor.)

Union Oil Company of California. (See Hopper, Basil, assignor.)

Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)

United Shoe Machinery Corporation. (See Cutler, Wallace M., assignor.)

United Shoe Machinery Corporation. (See Johnson, Joseph W., assignor.)

United Shoe Machinery Corporation. (See MacKenzie, Wilbur L., assignor.)

United Shoe Machinery Corporation. (See Sabin, Ernest E., assignor.)

United Shoe Machinery Corporation. (See Stritter, Karl A., assignor.)

United States Air Compressor Company, The. (See Pelouch, James J., assignor.)

United States Catheter & Instrument Corp. (See Jeckel, Norman C., assignor.)

United States Gypsum Company. (See Schuetz, Clyde C., assignor.)

United States Steel Corporation of Delaware. (See Hammerstrom, Karl R., assignor.)

United States Steel Corporation of Delaware. (See Percy, James W., assignor.)

Universal Oil Products Company. (See Becker, Bernard M., assignor.)

Universal Oil Products Company. (See Gerhold, Clarence G., assignor.)

University of Tennessee Research Corporation, The. (See Rosenthal, Fritz, assignor.)

Utter, Gustaf E., Worcester, Mass. Loom picker check. 2,354,340; July 25.

Vaipan, George A., Tyonek, Alaska. Saw jointing device. 2,354,228; July 25.

Valentine, Percy W., Brooklyn, N. Y. Forming welt seams. 2,354,490; July 25.

Valentine, Percy W., Brooklyn, N. Y., assignor to The Puritan Manufacturing Company, Boston, Mass. Folder and cutter attachment for sewing machines. 2,354,491; July 25.

Van Dyke, Edward E. (See Noble, J. D., and Van Dyke.)

Van Hoose, Neal, Belleville, and R. J. Harding, East St. Louis, Ill. Furnace reconstruction. 2,354,561; July 25.

Van Riper, Dale H. (See Gillum, D. E., and Van Riper.)

Van Sickle, Pierre, Indianapolis, Ind. Universal power saw. 2,354,625; July 25.

Van Vlaanderen Machine Co. (See Lane, George W., assignor.)

Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Rubber glazing strip for multiple glass sash. 2,354,341; July 25.

Vickers Incorporated. (See Robinson, James, assignor.)

Virginia-Carolina Chemical Corporation. (See Cox, Edwin, assignor.)

Von Capeller, Rudolf. (See Felix, F., and von Capeller.)

Von Haase, Anthony. (See Smith, W. J., and von Haase.)

Walker, Horace J., Glendale, and R. R. Settlage, assignors to Thos. D. McHale Mfg. Co., Los Angeles, Calif. Strainer. 2,354,412; July 25.

Walker, Jay P., assignor of forty per cent to G. O. Marchant, and six per cent to C. G. Wells, Tulsa, Okla. Joint for the walls of vessels. 2,354,342; July 25.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Microfeed for heavy machine tools. 2,354,413; July 25.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Horizontal milling, drilling, and boring machine of the floor type. 2,354,414; July 25.

Walter, Lewis A., East Orange, assignor to The Maltbie Chemical Company, Newark, N. J. Allylchloromethyl sulphide. 2,354,229; July 25.

Walter, Lewis A., East Orange, assignor to The Maltbie Chemical Company, Newark, N. J. Chloromethyl sulphides. 2,354,230; July 25.

Walter, Lewis A., East Orange, assignor to The Maltbie Chemical Company, Newark, N. J. Disubstituted malonic ester. 2,354,231; July 25.

Walter, Lewis A., East Orange, assignor to The Maltbie Chemical Company, Newark, N. J. Barbituric acid derivatives and its salts. 2,354,232; July 25.

Walter, Lewis A., East Orange, assignor to The Maltbie Chemical Company, Newark, N. J. 1-methylbarbituric acid derivative and its salts. 2,354,233; July 25.

Walter, Lewis A., and L. H. Goodson, East Orange, assignors to The Maltbie Chemical Company, Newark, N. J. Disubstituted malonic ester and preparing the same. 2,354,234; July 25.

Walton, George W, Beverly Hills, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Drawworks with composite drive. 2,354,235; July 25.

Waterman, Arthur E., assignor to James Manufacturing Company, Fort Atkinson, Wis. Ventilating system for positive air control in buildings. 2,354,292; July 25.

Watter, Michael, and H. J. Scammell, assignors to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Aircraft wing mounting means. 2,354,236; July 25.

Webb, Albert E., Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Hydraulic testing machine. 2,354,562; July 25.

Webber, Ralph C., Whiting, Ind., and L. E. Anderson, assignors to Standard Oil Company, Chicago, Ill. Candle. 2,354,343; July 25.

Weisse, Frank W. E., Corpus Christi, Tex., assignor to Badger Meter Mfg. Company, Milwaukee, Wis. Magnetic drive. 2,354,563; July 25.

Welinsky, Irving H. (See Abrams, A. J., and Welinsky.)

Wells, C. G., et al. (See Walker, Jay P., assignor.)

Wendel, Rudolf, Roslyn Heights, N. Y. Projector. 2,354,237; July 25.

Western Electric Company. (See Sherrill, Sloan S., assignor.)

Western Precipitation Corporation. (See Hamilton, James H., assignor.)

Westinghouse Air Brake Company, The. (See Newell, George K., assignor.)

Westinghouse Electric & Manufacturing Company. (See Franck, Clarence C., assignor.)

Whaley, Thomas H., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Automatic change-over device. 2,354,286; July 25.

Wheeler, Norton L., Tulsa, Okla. Apparatus for mixing dental cement. 2,354,626; July 25.

Wheeler, William H., New York, N. Y. Vehicle. 2,354,627; July 25.

Whitesell, John C., Jr., Merion, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Inspection apparatus. 2,354,628; July 25.

Wiggins, John H., Chicago, Ill. Top seal for floating tank roof side wall shoes. 2,354,629; July 25.

Wiles, Ivor W., et al. (See Wiles, Richard M. and J. K., assignors.)

Wiles, James K. (See Wiles, Richard M. and J. K.)

Wiles, John C., et al. (See Wiles, Richard M. and J. K., assignors.)

Wiles, Richard M. and J. K., assignors to themselves and to J. C. and I. W. Wiles, Adelaide, South Australia, Australia. Steam field kitchen. 2,354,630; July 25.

Wiley, Lee M., assignor of one-third to J. T. Lett, and one-third to R. B. Wiley, Marion, Ind. Sheet pulp container male die apparatus. 2,354,564; July 25.

Wiley, Reeley B. (See Wiley, Lee M., assignor.)

Wilkinson, James W., Ann Arbor, Mich., assignor to Fram Corporation. Oil filter. 2,354,238; July 25.

Willetts, Elwood H., assignor, by mesne assignments, to Willys-Overland Motors, Inc., Toledo, Ohio. Trailer. 2,354,344; July 25.

Williamson, Hilding V., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Fire extinguisher discharge apparatus. 2,354,631; July 25.

Williamson, Marshall I., New York, N. Y., assignor to National Folding Box Company, New Haven, Conn. Telescopic container. 2,354,239; July 25.

Willys-Overland Motors, Inc. (See Willetts, Elwood H., assignor.)

Wilson, Robert F., and W. L. Klingman, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Inner tube and making the same. 2,354,442; July 25.

Wingfoot Corporation. (See Carson, Clarence M., assignor.)

Winning, Carl. (See Richardson, R. W., Miller, and Winning.)

Wintergreen, Charles J., assignor to Stewart-Warner Corporation, Chicago, Ill. Heating apparatus. 2,354,345; July 25.

Wohler, Leonard A. (See Greenup, H. W., and Wohler.)

Wolfram, Arthur, Frankfort-on-the-Main, and H. Jahn, Beuthen, Upper Silesia, Germany; vested in the Alien Property Custodian. Aromatic ethers of 1,3-butadiene-ol-2. 2,354,632; July 25.

Wood, John E., III, Baton Rouge, La., and C. S. Lynch, Plainfield, N. J., assignors to Standard Oil Development Company. Isomerization of normal paraffins. 2,354,565; July 25.

Woodard, Raymond G., East Orange, N. J., assignor to Standard Safety Equipment Co. Adjustable eyeshield. 2,354,415; July 25.

Wootton, William C. (See Mappes, C. E., and Wootton.)

Wyandotte Chemicals Corporation. (See Hughes, A. E., Browne, and Roderick, assignors.)

Yale & Towne Manufacturing Company, The. (See Carliss, Oswald S., assignor.)

Yoder Company, The. (See Babb, Claude R., assignor.)

Yost, Lloyd, Los Angeles, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Bending machine. 2,354,566; July 25.

Young, Allan M., Meriden, and J. C. Adams, Fairfield, assignors, by mesne assignments, to Manning, Bowman & Co., Meriden, Conn. Waffle iron and the like. 2,354,240; July 25.

Zeh, Walter. (See Schneider, W., Fröhlich, and Zeh.)

Zimmerman, Arthur Edwin. (See Lapointe, E., and Zimmerman, Arthur E., and A. E.)

Zimmerman, Arthur Elmer. (See Lapointe, E., and Zimmerman, Arthur E. and A. E.)

Zworykin, Vladimir K., Philadelphia, Pa., J. Hillier, Collingswood, N. J., and E. G. Ramberg, Feasterville, Pa., assignors to Radio Corporation of America. Dynamic method of correcting the spherical aberration of electron lenses. 2,354,287; July 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF JULY, 1944

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Coding and decoding, System of. W. S. Lemmon, C. R. Doty, R. F. Walz, and A. C. Holt. Re. 22,523; July 25.
Food products, Preparation of dehydrated pre-cooked. C. A. Krause, Jr. Re. 22,522; July 25.
Filter. F. A. De Lisle. Re. 22,520; July 25.
Rake and stacker, Combination. O. H. Knarreborg. Re. 22,521; July 25.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. G. Sparre. 634; July 25.

LIST OF DESIGN INVENTIONS

Bag, Traveling. E. N. Graham. 138,364; July 25.
Cabinet, Sound resonating and modulating. C. A. Volf. 138,385; July 25.
Case, Cigarette. W. B. Crane. 138,372–3; July 25.
Clothespin. J. E. Most. 138,379; July 25.
Coffee maker. J. W. Alsdorf. 138,362; July 25.
Cooler and dispenser, Combined beverage. L. Giuriati. 138,363; July 25.
Fishing fly body. K. D. Richards. 138,381; July 25.
Fixture for holding a thread-cutting tool, or the like, while grinding the cutting end thereof. H. C. Wilson. 138,368; July 25.
Game device. J. F. Martin, Jr. 138,378; July 25.
Golf club head. L. Myers and E. H. Gartner. 138,380; July 25.
Holder, Tool. H. C. Wilson. 138,369; July 25.
Indicator, Gyro horizon. R. M. Heintz. 138,375; July 25.
Knife. L. F. Baker. 138,365; July 25.
Light fixture, Fluorescent. E. H. Bradley. 138,370; July 25.
Oiler, Hog. B. E. Sipe. 138,382; July 25.
Rectifying device, Portable electric. R. O. Whitesell. 138,383; July 25.
Resonator and sound distributor, Wall. C. A. Volf. 138,386; July 25.
Ring, Finger. C. Gantwarg. 138,366; July 25.
Ring, Finger. C. Gantwarg. 138,374; July 25.
Seat, Saddle horse swing. C. H. Churchill. 138,371; July 25.
Suit. A. Gruber. 138,387–90; July 25.
Toothbrush, Rotary. C. L. Rosengard. 138,384; July 25.
Toy. C. M. Katsetos. 138,367; July 25.
Trimming, Embroidered. H. Krieger. 138,376–7; July 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF JULY, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid derivative and its salts, Barbituric. L. A. Walter. 2,354,232; July 25.
Acid derivative and its salts, 1-methylbarbituric. L. A. Walter. 2,354,233; July 25.
Acrylic compounds, Polymerization of. R. A. Jacobson. 2,354,210; July 25.
Agricultural implement. J. R. Orelind. 2,354,274; July 25.
Aircraft wing mounting means. M. Watter and H. J. Scammell. 2,354,236; July 25.
Airplane, Integrated model. H. M. McCoy. 2,354,392; July 25.
Alkylation process, Two-stage. B. Hopper. 2,354,595; July 25.
Aminoplast, Plasticized. G. F. D'Alelio. 2,354,504; July 25.
Ammunition charger. J. J. Calhoun. 2,354,499; July 25.
Amplifying system. P. C. Gardiner. 2,354,514; July 25.
Anesthetic apparatus. R. V. Foregger. 2,354,452; July 25.
Antenna. H. H. Harsted. 2,354,314; July 25.
Antenna, Loop. W. J. Polydoroff. 2,354,332; July 25.
Antenna with suppressed lobes or ears, Directional. E. Gerhard. 2,354,254; July 25.
Antibuzz fluid pressure regulator. T. A. St. Clair. 2,354,283; July 25.
Apparatus and method for orienting the surface molecules of plastic materials. R. P. Blake. 2,354,243; July 25.
Apparatus for grading powdered material. W. F. Harlow. 2,354,311–12; July 25.
Apparatus for machining spiral grooves. R. A. Thompson. 2,254,411; July 25.
Apparatus for making inner tubes. H. D. Stevens. 2,354,432; July 25.
Apparatus for mixing dental cement. N. L. Wheeler. 2,354,626; July 25.
Apparatus for sorting rivets. G. E. Lingerfelt and E. B. Trout. 2,354,419; July 25.
Apparatus for supplying air and the like. H. A. Reece. 2,354,276; July 25.
Apparatus for using normally gaseous solvents to separate wax and oil. E. M. Dons and O. G. Mauro. 2,354,246; July 25.
Apparel, Wearing. C. Dreyfus. 2,354,248; July 25.
Aromatic ethers of 1,3-butadiene-ol-2. A. Wolfram and H. Jahn. 2,354,632; July 25.
Article feeding mechanism. O. Sandberg. 2,354,482; July 25.
Attachment for cigarette packages. R. K. Newton and I. C. Prafke. 2,354,398; July 25.
Automatic change-over device. T. H. Whaley, Jr. 2,354,286; July 25.
Automatic control device. G. P. Bosomworth. 2,354,431; July 25.
Automatic frequency control. C. W. Earp. 2,354,510; July 25.
Azo dyestuffs. F. Felix and R. von Capeller. 2,354,187; Back-pressure valve. L. O. Goodwin. 2,354,310; July 25.
Bead lock. J. E. Hale. 2,354,437; July 25.
Beater, Marshmallow. J. W. Greer. 2,354,516; July 25.
Bending machine. L. Yost. 2,354,566; July 25.
Bessemer converter blow control method. J. W. Percy. 2,354,400; July 25.
Billet bar breaker. L. Layton. 2,254,323; July 25.
Black-out lamp. C. E. Mappes and W. C. Wootton. 2,354,394; July 25.
Black-out means. T. T. Tucker. 2,354,489; July 25.
Bottle carrier. C. L. Gilbert. 2,354,369–70; July 25.
Bottleholder. P. E. Allen. 2,354,568; July 25.
Box: *See*—
Folding box.
Bracket: *See*—
Holding bracket.
Braiding, Method of and apparatus for. N. C. Jeckel. 2,354,212; July 25.
Brake. H. T. Lambert. 2,354,385; July 25.
Buoy, Mooring. J. A. Diehl. 2,354,441; July 25.
Bushing for outboard motor mountings, Resilient. W. J. Grubbs. 2,354,445; July 25.
Buttonhole sewing machine. D. B. Thornton. 2,354,559; July 25.
Calcium carbonate-adhesive base product and preparing coatings therefrom. A. E. Hughes, H. B. Browne, and H. F. Roderick. 2,354,318; July 25.
Calendar and diary. C. Georgi. 2,354,589; July 25.
Camera. C. Older. 2,354,273; July 25.
Camera exposure control. L. N. Hermann. 2,354,315; July 25.
Can opener. D. Lubetsky. 2,354,469; July 25.
Candle. R. C. Webber and L. E. Anderson. 2,354,343; July 25.
Car coupler. W. J. Metzger. 2,354,271; July 25.
Carrier: *See*—
Bottle carrier.
Card controlled mechanism. A. G. Rindfleisch. 2,354,549; July 25.
Carpet construction. J. E. Gronenberg. 2,354,256; July 25.
Carrier for bottles. R. E. Lowey, E. C. Potter, and C. B. Kilmer. 2,354,528; July 25.
Carton. F. K. Ratcliff. 2,354,543; July 25.
Cartridge or shell for chain shots. J. D. Forbes. 2,354,451; July 25.
Catalytic conversions, Method and apparatus for. A. J. Abrams. 2,354,353; July 25.
Cellular material. C. L. Haney and M. E. Martin. 2,354,260; July 25.
Cementing machine. Sole margin. W. L. MacKenzie. 2,354,216; July 25.
Charge forming device. W. V. Blanc. 2,354,179; July 25.
Chart, Color. A. H. Adams, Jr. 2,354,493; July 25.
Check, Loom picker. G. E. Utter. 2,354,340; July 25.
Check valve. D. E. Gillum and D. H. Van Riper. 2,354,255; July 25.
Chlorsulphonic acid. Manufacture of. N. A. Laury. 2,354,464; July 25.
Chromane and producing same. O. Hromatka. 2,354,317; July 25.
Chuck, Crankshaft. W. F. Groene. 2,354,258; July 25.
Chuck, Keyless. A. M. Stoner. 2,354,226; July 25.
Circuit: *See*—
Electron tube oscillator circuit.
Cleaner: *See*—
Suction cleaner.
Clip: *See*—
Ear clip.
Securing clip.
Closure fastener. H. S. Brown. 2,354,498; July 25.
Closure for vehicle bodies. R. A. Fontaine. 2,354,450; July 25.
Clutch: *See*—
Pin stem clutch.
Clutch. C. B. Spase. 2,354,621; July 25.
Coated structural material. C. C. Schuetz. 2,354,350; July 25.
Coil, Insulated. G. Camilli. 2,354,500; July 25.
Collar and making the same. H. Gleekman. 2,354,205; July 25.
Color composition for printing, Vat. R. H. Kienle and C. A. Amick. 2,354,483; July 25.
Combination can opener, lid, and measuring device. D. N. Halstead. 2,354,518; July 25.
Composite article and element therefor. C. E. Slaughter. 2,354,485; July 25.
Composite articles, Making. R. C. Briant. 2,354,426; July 25.
Connector: *See*—
Drive socket connector.
Constituents of waste sulphite liquor, Recovering. D. L. Sherk. 2,354,553; July 25.
Contact construction. P. M. Christensen. 2,354,501; July 25.
Container: *See*—
Telescopic container.
Container. M. O. Kuhn. 2,354,425; July 25.
Container and manufacture. P. M. Gilfillan and I. Gurwick. 2,354,590; July 25.
Container cleaning machine. A. C. Everett. 2,354,308; July 25.
Contractor-expander for electric seismographs. J. P. Minton. 2,354,420; July 25.
Control apparatus. R. C. Davis. 2,354,429; July 25.
Control device. W. L. Ludwick. 2,354,529; July 25.
Control for electric motors. E. W. Seeger. 2,354,406; July 25.
Conveying apparatus. R. A. McMullin. 2,354,325; July 25.
Cooking carton, Meat. C. A. Pemberton. 2,354,401; July 25.
Coring device, Side hole. W. B. Noble. 2,354,399; July 25.
Corn grading apparatus. H. L. Johnson. 2,354,377; July 25.
Corn sizing apparatus. H. L. Johnson. 2,354,376; July 25.

Countersink or the like, Adjustable. F. Hotchner. 2,354,461; July 25.
Coupling: *See*—
Hydraulic tube coupling. Tube coupling.
Coupling device for adjustable coupling systems. A. Crossley. 2,354,365; July 25.
Coupling for transmission lines, Wide band. D. E. Norgaard. 2,354,537; July 25.
Covers, Supporting pit-furnace. W. A. Morton. 2,354,330; July 25.
Craft, Fighter. A. Gazda. 2,354,453; July 25.
Culvert structure. A. H. Likely. 2,354,527; July 25.
Cup disposal system. S. D. Polsen and S. H. Nelson. 2,354,349; July 25.
Cutoff machine, Abrasive. S. C. Dreher. 2,354,509; July 25.
Cutout for electric irons. A. R. Cheeseman. 2,354,575; July 25.
Cycle saddle spring. F. Mesinger. 2,354,328; July 25.
Decorating articles. E. Ibach. 2,354,637; July 25.
Dehydration process. P. H. Bodenstein. 2,354,495; July 25.
Dental floss holder. S. H. Geffner. 2,354,454; July 25.
Derivatives of acid sludges, Preparing. J. C. Showalter and M. Wiggen. 2,354,554; July 25.
Detector for axminster selvage shuttles. W. Y. Robb. 2,354,615; July 25.
Developing tank. H. F. Stiffler. 2,354,225; July 25.
Diazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,354,505; July 25.
Differential gearing. E. R. Lockwood. 2,354,214; July 25.
Diffusion apparatus. C. A. Phipps. 2,354,609; July 25.
Disk brake construction. G. K. Newell. 2,354,604; July 25.
Disk wheels, Making. W. S. Brink. 2,354,439; July 25.
Dispenser: *See*—
Measuring dispenser.
Dispensing apparatus. S. D. Polsen and S. H. Nelson. 2,354,348; July 25.
Display sign. D. O. Ford. 2,354,367; July 25.
Door for boiler enclosures, Economizer. B. Labaree and R. K. Knipe. 2,354,384; July 25.
Door lock release. Emergency. M. C. Kornrumpf. 2,354,321; July 25.
Drawworks with composite drive. G. W. Walton. 2,354,235; July 25.
Dressing machine for pipe wrench parts. H. H. Sanders. 2,354,616; July 25.
Drive socket connector. W. W. Daniel. 2,354,184; July 25.
Dyestuff. F. W. Gainey. 2,354,588; July 25.
Dyestuffs, Trimethinecyanine. K. Kumetat and O. Riester. 2,354,524; July 25.
Ear clip. S. Plosky. 2,354,610; July 25.
Edge ornamentation for fabrics. F. Lutz. 2,354,215; July 25.
Electric lighting set. C. R. Janz. 2,354,598; July 25.
Electrical equipment. H. H. Sullins. 2,354,339; July 25.
Electrical network. E. D. Goodale. 2,354,592; July 25.
Electrical precipitation apparatus. J. H. Hamilton. 2,354,457; July 25.
Electrical prospecting. G. Muffly. 2,354,535; July 25.
Electromagnetic apparatus and making the same. M. B. Sawyer. 2,354,551; July 25.
Electromagnetic motor. J. A. and J. B. Traylor. 2,354,488; July 25.
Electron tube oscillator circuit. W. D. Hershberger. 2,354,262; July 25.
Electron tube oscillator circuit. W. D. Hershberger. 2,354,636; July 25.
Elevator device. G. E. Mullinix and A. E. Hambly. 2,354,217; July 25.
Engine: *See*—
Internal combustion engine. Rotary valve controlled internal-combustion engine
Rotary engine.
Engine. W. L. Barthelemy. 2,354,357; July 25.
Engine starting apparatus. L. C. Dermond. 2,354,290; July 25.
Ester and preparing the same, Disubstituted malonic. L. A. Walter and L. H. Goodson. 2,354,234; July 25.
Ester, Disubstituted malonic. L. A. Walter. 2,354,231; July 25.
Ethers, Manufacturing certain acylated polyamino. M. De Groote and B. Keiser. 2,354,578–80; July 25.
Evaporator for treating surfaces. C. W. Hewlett. 2,354,521; July 25.
Exposure control, Automatic. K. Rath. 2,354,544; July 25.
Eyeshield, Adjustable. R. G. Woodard. 2,354,415; July 25.
Fabric: *See*—
Plastic fabric.
Facsimile apparatus. A. Blain. 2,354,571; July 25.
Fastener: *See*—
Closure fastener.
Fastener. P. F. Rossmann. 2,354,480; July 25.
Fastening means for detachable covers and other devices. F. L. Ayres. 2,354,297; July 25.
Feeder: *See*—
Poultry feeder.
Feeding or decanting apparatus, Solution. C. Tietig. 2,354,623; July 25.
Field kitchen, Steam. R. M. and J. K. Wiles. 2,354,630; July 25.
Filament transformer system, Low capacity. J. L. Finch. 2,354,585; July 25.
Filler and cleaner, Automatic pen. R. P. Aler. 2,354,288; July 25.
Filter: *See*—
Oil filter.
Filter. W. Kasten. 2,354,380; July 25.
Filter element. A. E. Mason. 2,354,395; July 25.
Filter shell. J. K. Russell. 2,354,481; July 25.
Filter tank assembly. J. E. Brown. 2,354,195; July 25.
Fire extinguisher discharge apparatus. H. V. Williamson. 2,354,631; July 25.
Fire extinguishing apparatus. H. B. Quarfoot. 2,354,611; July 25.
Fishing reel. R. P. McMahon. 2,354,530; July 25.
Fishing signal. T. T. Ross. 2,354,279; July 25.
Flasher switch. L. R. Harmon. 2,354,635; July 25.
Float switch. B. E. Shaw. 2,354,282; July 25.
Fluid circulating apparatus for knitting machines and the like. C. S. Aschenbrenner. 2,354,188; July 25.
Fluid pump. J. J. Pelouch. 2,354,220; July 25.
Folding box. M. Kretchmer. 2,354,600; July 25.
Folding device. O. Fiore. 2,354,251; July 25.
Frame, Picture. F. D. Crichton. 2,354,183; July 25.
Friction device. R. W. Brown. 2,354,448; July 25.
Friction element. H. J. Lidkea. 2,354,389; July 25.
Fruit or vegetable juice concentrate, Producing. F. W. Bedford. 2,354,633; July 25.
Fuel injection system. F. C. Reggio. 2,354,403; July 25.
Fuel injection turbine. J. W. Smith. 2,354,620; July 25.
Fuel tank. W. C. Brock. 2,354,573; July 25.
Fungicide. M. C. Goldsworthy. 2,354,206; July 25.
Furnace: *See*—
Hot-air furnace.
Furnace and burning liquid fuel therein, Regenerative. L. S. Longenecker. 2,354,324; July 25.
Furnace and water heater, Combination. A. Doherty. 2,354,507; July 25.
Furnace reconstruction. N. Van Hoose and R. J. Harding. 2,354,561; July 25.
Gases and vapors, Absorbing. S. Kiesskalt. 2,354,383; July 25.
Gasoline dispensing apparatus. E. E. Eickmeyer and A. G. Horvath. 2,354,249; July 25.
Generator regulator. W. J. Rady. 2,354,542; July 25.
Germicide and producing same. A. J. Salle and H. L. Guest. 2,354,334; July 25.
Gland and armor therefor, Seal. J. Marco. 2,354,270; July 25.
Glare eliminating device. S. S. Sherrill. 2,354,408; July 25.
Globe. J. D. Kennedy. 2,354,381; July 25.
Glove, Baseball. H. B. Latina. 2,354,601; July 25.
Grass or leguminous fodder with nontoxic corrosion inhibitor, Acidulated. E. Cox. 2,354,417; July 25.
Grinding machine. M. H. Arms. 2,354,296; July 25.
Halides, Treatment of vinyl type. H. de V. Finch and K. E. Marple. 2,354,512; July 25.
Handling device, Cargo. C. Christoffersen. 2,354,182; July 25.
Harness connector for looms. A. E. Brickman. 2,354,180; July 25.
Harvester-thresher, Combination. W. F. MacGregor. 2,354,346; July 25.
Head shield. W. T. Cockrill and T. J. Duncan. 2,354,502; July 25.
Heat exchange installation, Fluid. R. Shellenberger. 2,354,222; July 25.
Heat-treating apparatus. R. P. Koehring. 2,354,523; July 25.
Heating apparatus. C. J. Wintergreen. 2,354,345; July 25.
Hides and skins, Drying. W. M. Cutler. 2,354,200; July 25.
High-frequency ferroinductor. W. J. Polydoroff. 2,354,331; July 25.
Hitch. G. G. McNamara, Jr. 2,354,268; July 25.
Hoist. F. P. Lawler. 2,354,386–7; July 25.
Holder: *See*—
Dental floss holder.
Holding bracket. L. F. Sayles. 2,354,404; July 25.
Hot-air furnace. J. H. Honert, O. A. and W. J. Reinhardt. 2,354,418; July 25.
Hull. L. F. Beard. 2,354,569; July 25.
Hydraulic tube coupling. D. R. Hillis. 2,354,460; July 25.
Hydrocarbon conversion. A. J. Abrams. 2,354,354; July 25.
Hydrocarbon fluid, Treating. E. D. Reeves. 2,354,546; July 25.
Hydrocarbon mixtures, Improving. L. J. Beckham. 2,354,359; July 25.
Hydrocarbons, Conversion of. A. J. Abrams and I. H. Wellinsky. 2,354,355; July 25.
Hydrocarbons, Synthesis of. C. E. Hemminger. 2,354,261; July 25.
Ice hoisting apparatus. C. A. Johnson. 2,354,462; July 25.

Ignition system. M. Mallory. 2,354,472; July 25.
Immersion means. A. W. Harris and W. M. Henry. 2,354,459; July 25.
Implement, Tractor-mounted. A. G. Evans. 2,354,250; July 25.
Increasing permeability of sands and strata. C. H. Benckenstein. 2,354,570; July 25.
Indicating device for welding machines. L. Ralkin. 2,354,613; July 25.
Indicator: *See*—
Temperature indicator.
Indicator. F. R. Sias. 2,354,618; July 25.
Inner tube and making the same. R. F. Wilson and W. L. Klingman. 2,354,442; July 25.
Insecticide. C. V. Bowen. 2,354,192–3; July 25.
Inspection apparatus. J. C. Whitesell, Jr. 2,354,628; July 25.
Insulation package. W. T. Donahue. 2,354,186; July 25.
Insulin preparation. E. H. Lang and J. S. Buck. 2,354,211; July 25.
Interface modifying substance. J. W. Johnson. 2,354,320; July 25.
Internal-combustion engine. O. E. Szekely. 2,354,227; July 25.
Internal-combustion engine valve control. C. M. Oertel. 2,354,606; July 25.
Interval timer. W. P. Gallagher. 2,354,368; July 25.
Joggle wedge. J. R. Haughton. 2,354,594; July 25.
Joint: *See*—
Swing joint. Universal joint.
Joint for dolls, Arm. J. De Jong. 2,354,581; July 25.
Joint for the walls of vessels. J. P. Walker. 2,354,342; July 25.
Kettle, Deep fat frying. M. Thompson. 2,354,487; July 25.
Laminated tubular bodies, Forming. W. F. Stahl. 2,354,556; July 25.
Lamp: *See*—
Black-out lamp.
Lamps, Manufacture of miniature incandescent. R. K. Braunsdorff. 2,354,194; July 25.
Lapping machine. W. J. Peets. 2,354,347; July 25.
Laryngoscope. R. R. Macintosh. 2,354,471; July 25.
Latex and like materials, Materials for creaming. G. Mack. 2,354,531; July 25.
Lead arsenate, Producing. J. S. Nordyke. 2,354,475; July 25.
Lighting fixture shade and holder. G. W. Beals. 2,354,242; July 25.
Load equalizing system. O. K. Kjolseth. 2,354,522; July 25.
Loading machine. W. W. Sloane. 2,354,336; July 25.
Loading station for shuttle cars. R. S. Bigelow. 2,354,360; July 25.
Lock: *See*—
Bead lock.
Lock for bathroom scales, Push. L. Lowy. 2,354,390; July 25.
Lock nut. S. B. Holmes. 2,354,374; July 25.
Looms, Bobbin support for weft replenishing. R. G. Turner. 2,354,285; July 25.
Lubricant. R. Rosen. 2,354,550; July 25.
Lubricating composition. H. M. Fraser and T. A. Maxwell. 2,354,252; July 25.
Luminous discharge tube. M. Pennybacker and A. R. Hussey. 2,354,421; July 25.
Machine control. A. R. McCourt. 2,354,391; July 25.
Machine for measuring and proportioning paints. N. Grubelic. 2,354,259; July 25.
Machine for operating on insoles. E. E. Sabin. 2,354,333; July 25.
Machine for producing gears. L. O. Carlsen and O. A. Johnson. 2,354,181; July 25.
Machine for raising spines. H. G. Barrett. 2,354,298; July 25.
Machine for treating and laying strip material from packages. A. C. Fischer. 2,354,586; July 25.
Machine tool rapid traverse mechanism. H. C. Kemper and R. R. Ruzicka. 2,354,266; July 25.
Magnesium, Reduction of. H. L. Gentil. 2,354,253; July 25.
Magnetic drive. F. W. E. Weisse. 2,354,563; July 25.
Magneto unit. W. L. Carlson. 2,354,302; July 25.
Manometer. J. L. Mayer. 2,354,327; July 25.
Manufacturing turbine blades. C. C. Franck. 2,354,587; July 25.
Marihuana active compound. R. Adams. 2,354,492; July 25.
Marker, Cattle. W. F. Schacht. 2,354,617; July 25.
Material for feeding and vapor removing mechanism for rotary driers. J. B. Adt. 2,354,567; July 25.
Measuring device. A. A. Campbell. 2,354,197; July 25.
Measuring dispenser. W. H. Radbruch. 2,354,477; July 25.
Mechanism for removing welding burrs. C. R. Babb. 2,354,289; July 25.
Mercaptothiazoles with ammonia derivatives and product produced thereby, Treating. E. L. Carr. 2,354,427; July 25.
Meter: *See*—
Optical exposure meter.
Metering device. B. G. Carlson and G. Tyler. 2,354,244; July 25.
Microfeed for heavy machine tools. J. M. Walter. 2,354,413; July 25.
Microscope, Electron. J. Hillier. 2,354,263; July 25.
Milling, drilling, and boring machine of the floor type, Horizontal. J. M. Walter. 2,354,414; July 25.
Mixing apparatus. N. D. Griswold. 2,354,634; July 25.
Mold: *See*—
Self-trimming mold.
Molding and vulcanizing hollow articles. R. W. Brown. 2,354,446; July 25.
Motor: *See*—
Electromagnetic motor. Vibration motor.
Motor starting system. B. F. Miller. 2,354,329; July 25.
Motor-driven hand tool. W. M. Emery. 2,354,307; July 25.
Mounting: *See*—
Ophthalmic mounting.
Mounting for dictating machines, Stylus head. L. Thompson. 2,354,558; July 25.
Mounting for fuel tanks. H. W. Craig. 2,354,438; July 25.
Noise balancing. R. B. Dome. 2,354,508; July 25.
Novelty yarn, Making elastic. S. W. Alderfer. 2,354,449; July 25.
Nozzle, Gasoline dispensing. L. F. Hammand. 2,354,209; July 25.
Oil-burning apparatus. W. J. Smith and A. Von Haase. 2,354,223; July 25.
Oil composition, Lubricating. J. F. Nelson. 2,354,536; July 25.
Oil composition, Lubricating. R. W. Richardson, F. L. Miller, and C. Winning. 2,354,547; July 25.
Oil cooler control. G. H. Gill. 2,354,371; July 25.
Oil cooler having protective and control means. B. Burns. 2,354,362; July 25.
Oil cooling device. J. E. Chapman. 2,354,364; July 25.
Oil filter. J. W. Wilkinson. 2,354,238; July 25.
Oil purifying system. L. P. Sharples. 2,354,352; July 25.
Oils, Production of physiologically inert. E. B. Peck. 2,354,540; July 25.
Operation and lubrication of mechanical apparatus. W. S. Murray. 2,354,218; July 25.
Ophthalmic mounting. R. Malcom. 2,354,603; July 25.
Optical exposure meter. K. Rath. 2,354,545; July 25.
Optical objective of the telephoto type. A. Cox. 2,354,503; July 25.
Optical projection system. R. E. Reason. 2,354,614; July 25.
Oxide, Manufacture of reactive magnesium. F. Elkington and H. H. Chesny. 2,354,584; July 25.
Paper, Moistureproofed glassine. C. M. Carson. 2,354,574; July 25.
Paraffin hydrocarbons, Treatment of. C. G. Gerhold. 2,354,641; July 25.
Paraffins, Isomerization of normal. J. E. Wood, III, and C. S. Lynch. 2,354,565; July 25.
Peeling and slicing attachment for knives. C. E. O'Neil. 2,354,607; July 25.
Pen, Fountain. J. Simpson. 2,354,484; July 25.
Pen-playhouse, Convertible. S. L. Dennis. 2,354,202; July 25.
Pencil and first-aid kit. M. J. and A. L. Petruccione. 2,354,402; July 25.
Phenolic molding composition. F. Rosenthal. 2,354,479; July 25.
Photographic images, Color. W. Schneider and A. Fröhlich, and W. Zeh. 2,354,552; July 25.
Picking device. C. E. Ashton. 2,354,356; July 25.
Pin stem clutch. C. H. Okerholm and A. Pasquale. 2,354,638; July 25.
Pipe: *See*—
Smoking pipe.
Pistons, Treating. H. P. Phillips. 2,354,275; July 25.
Pitch adjusting mechanism for variable pitch propellers. H. H. Roby. 2,354,422; July 25.
Plaque, Decorative. O. Swartz. 2,354,622; July 25.
Plastic composition. H. W. Greider and G. A. Fasold. 2,354,593; July 25.
Plastic fabric. T. W. Stedman. 2,354,435; July 25.
Pneumatic thread holder. R. G. Turner. 2,354,284; July 25.
Pothead or terminal for electric cable systems. C. E. Bennett. 2,354,191; July 25.
Poultry feeder. F. W. Radford. 2,354,612; July 25.
Press. R. W. Allen. 2,354,447; July 25.
Press. A. H. Grover. 2,354,291; July 25.
Pressure responsive measuring instrument. A. J. Rosenberger. 2,354,423; July 25.
Production recorder. H. W. Brougham. 2,354,361; July 25.
Projector. R. Wendel. 2,354,237; July 25.
Prolamines, Extracting. R. H. Manley and C. D. Evans. 2,354,393; July 25.
Propeller blades, Manufacture of. L. B. Chubb. 2,354,198; July 25.
Propeller type drive. C. A. Le Bert. 2,354,465; July 25.
Protective covering for electrical outlet boxes. I. L. Stein. 2,354,224; July 25.
Pump: *See*—
Fluid pump.
Pump. A. G. Horvath. 2,354,265; July 25.
Railway traffic controlling apparatus. R. A. McCann. 2,354,602; July 25.

Railway truck structure. C. F. Frede. 2,354,309; July 25.
Reactor tube. B. M. Becker. 2,354,640; July 25.
Reel: *See*—
Fishing reel.
Refrigeration apparatus. R. T. Brizzolara. 2,354,497; July 25.
Refrigeration method and apparatus. R. T. Brizzolara. 2,354,496; July 25.
Regulator: *See*—
Antibuzz fluid pressure Generator regulator.
regulator.
Rerailer for cars on tracks. A. A. Neubaum and T. Engstrom. 2,354,473; July 25.
Reservoir for refrigerators, Cool water. K. I. Miller and I. Dunbar. 2,354,272; July 25.
Respirator, Jacket type. S. E. Miller. 2,354,397; July 25.
Roll drive mechanism, Compensating. J. L. Jones. 2,354,599; July 25.
Rotary engine. H. Spitzer. 2,354,486; July 25.
Rotary engine, mainly gas turbine. G. Jendrassik. 2,354,213; July 25.
Rotary valve controlled internal-combustion engine. R. C. Cross. 2,354,305; July 25.
Rubber articles. M. Carter. 2,354,433; July 25.
Rubber articles and article produced, Strengthening porous. H. W. Greenup and L. A. Wohler. 2,354,430; July 25.
Rubber glazing strip for multiple glass sash. C. M. Verhagen. 2,354,341; July 25.
Safety attachment for watercraft. J. H. Hermanson. 2,354,316; July 25.
Saw jointing device. G. A. Vaipan. 2,354,228; July 25.
Saw lubricating device. J. E. Johnson. 2,354,379; July 25.
Saw, Universal power. P. Van Sickle. 2,354,625; July 25.
Scarifier. E. K. Troup. 2,354,560; July 25.
Screen cleaner for corn sizing apparatus. H. L. Johnson. 2,354,378; July 25.
Scribing instrument. M. Passick and F. Ouellette. 2,354,539; July 25.
Seal for floating tank roof side wall shoes, Top. J. H. Wiggins. 2,354,629; July 25.
Seal, Shaft. R. C. Reinhardt, R. L. Jones, and L. N. Blackhurst. 2,354,478; July 25.
Seat cushion construction. T. W. Stedman. 2,354,436; July 25.
Securing clip. E. G. Doke. 2,354,506; July 25.
Seed drill and fertilizer attachment, Sugar beet. H. H. and W. A. Radde. 2,354,541; July 25.
Seismic prospecting. N. H. Ricker. 2,354,548; July 25.
Selector valve. G. T. Downey. 2,354,592; July 25.
Self-trimming mold. V. S. Anderson. 2,354,241; July 25.
Setting for finger rings, Interchangeable. M. Fitzer. 2,354,513; July 25.
Sewing machine. E. Like. 2,354,468; July 25.
Sewing machines, Folder and cutter attachment for. J. V. Poole. 2,354,476; July 25.
Sewing machines, Folder and cutter attachment for. P. W. Valentine. 2,354,491; July 25.
Shears, Garden. E. E. Carver. 2,354,303; July 25.
Sheet pulp container male die apparatus. L. M. Wiley. 2,354,564; July 25.
Shells, Receiver for firearm ejected. E. E. Richardson. 2,354,277; July 25.
Shield, Window. O. E. Schirra. 2,354,443; July 25.
Shock absorber. C. Saurer. 2,354,428; July 25.
Shock absorber for fluid flow installations. W. R. Dand and W. E. Steen. 2,354,201; July 25.
Shoe-bottom-coating machine. W. L. MacKenzie. 2,354,326; July 25.
Shoe, Safety. K. A. Stritter. 2,354,338; July 25.
Shoe, Ventilated. W. P. Shaks. 2,354,407; July 25.
Siding, Double seal. H. T. Seymour. 2,354,639; July 25.
Sign: *See*—
Display sign.
Signal: *See*—
Fishing signal.
Slide loop. G. H. Elwell. 2,354,306; July 25.
Sludge pumping apparatus. F. W. Hartstein. 2,354,519; July 25.
Smoking pipe. J. S. Lewis. 2,354,388; July 25.
Solder-filled sheet metal, Laminated. E. Strasser. 2,354,409; July 25.
Solvents to separate wax and oil, Using normally gaseous. E. M. Dons and O. G. Mauro. 2,354,247; July 25.
Sound recording system. F. G. Albin. 2,354,295; July 25.
Spherical aberration of electron lenses, Dynamic method of correcting. V. K. Zworykin, J. Hillier, and E. G. Ramberg. 2,354,287; July 25.
Spool or reel. H. C. Howsam. 2,354,375; July 25.
Spooling mechanism and motor control circuit. S. J. Deitz. 2,354,185; July 25.
Spring: *See*—
Cycle saddle spring.
Spring cluster, Railroad car truck. K. R. Hammerstrom. 2,354,458; July 25.
Spring suspension. G. W. Newton. 2,354,219; July 25.
Stocking tops, Making. E. St. Pierre and D. H. Fregeolle. 2,354,557; July 25.
Stoker control. W. W. Hallinan. 2,354,517; July 25.
Stove. B. Robinson. 2,354,221; July 25.
Strainer. H. J. Walker and R. R. Settlage. 2,354,412; July 25.
Structural material, Coating. C. C. Schuetz. 2,354,351; July 25.
Subcarburetor. L. Hanks. 2,354,373; July 25.
Suction cleaner. L. A. Griffith. 2,354,207; July 25.
Sulphide, Allylchloromethyl. L. A. Walter. 2,354,229; July 25.
Sulphides, Chloromethyl. L. A. Walter. 2,354,230; July 25.
Support for telephone handsets. K. M. Topken. 2,354,470; July 25.
Support for shelving, Adjustable. A. Marchand. 2,354,269; July 25.
Supporting means. R. B. Hitchcock. 2,354,264; July 25.
Surface coverings, containing oxygen-convertible synthetic resins, Producing. T. F. Bradley. 2,354,572; July 25.
Swing joint. D. M. Phillips. 2,354,416; July 25.
Switch: *See*—
Flasher switch. Float switch.
Synchronizer and making the same. R. Lapsley and D. S. Dence. 2,354,526; July 25.
Synchronizing system. W. C. Eddy. 2,354,583; July 25.
Tank: *See*—
Developing tank. Fuel tank.
Tank construction, Hot water. W. G. Martin. 2,354,532; July 25.
Tank fitting. W. G. Martin. 2,354,533; July 25.
Tape cutting machine. M. Schimmel. 2,354,293–4; July 25.
Taper turning apparatus. W. F. Groene and H. C. Kemper. 2,354,372; July 25.
Telegraph system. F. P. Mason. 2,354,534; July 25.
Telescopic container. M. I. Williamson. 2,354,239; July 25.
Television and other transmissions. L. A. Collins. 2,354,199; July 25.
Television apparatus. A. N. Goldsmith. 2,354,591; July 25.
Temperature indicator. F. R. Sias. 2,354,555; July 25.
Testing machine, Hydraulic. A. E. Webb. 2,354,562; July 25.
Thermoplastic materials for molding, Heating. A. A. Burry. 2,354,363; July 25.
Thimble. W. C. Russell. 2,354,280; July 25.
Thread control system for weft replenishing looms. R. G. Turner. 2,354,624; July 25.
Time system. G. C. Engel and A. Amend, Jr. 1,354,511; June 25.
Tire building apparatus. H. D. Stevens. 2,354,434; July 25.
Tires, Manufacturing. C. K. Novotny and J. T. Cox, Jr. 2,354,424; July 25.
Tool: *See*—
Motor-driven hand tool.
Tool. J. Corbosiero. 2,354,245; July 25.
Topical preparation. W. A. Inman. 2,354,319; July 25.
Trailer. E. H. Willetts. 2,354,344; July 25.
Trailer, Lawn mower. L. P. Clark. 2,354,576; July 25.
Transfer case for power transmissions. C. J. Bock. 2,354,300; July 25.
Transmission. H. R. Greenlee. 2,354,257; July 25.
Transmission, Hydraulic. H. Hagen. 2,354,456; July 25.
Transmission, Power. J. Robinson. 2,354,278; July 25.
Trap for removable reflector filters for one-shot multicolor plate cameras. A. Schusterman. 2,354,405; July 25.
Tripod head for cameras and the like. K. T. Greenwood. 2,354,515; July 25.
Truck or cage for raising or lowering material. E. Lapointe, and A. E., and A. E. Zimmerman. 2,354,523; July 25.
Truss, Hernial. G. Ajdukovich. 2,354,494; July 25.
Tube: *See*—
Luminous discharge tube. Reactor tube.
Tube coupling. A. L. Parker. 2,354,538; July 25.
Turbine runner O. Cello. 2,354,304; July 25.
Turbo transmission. J. Jandasek. 2,354,596–7; July 25.
Turbotransmission. R. J. Miller. 2,354,396; July 25.
Turnbuckle. J. D. Noble and E. E. Van Dyke. 2,354,474; July 25.
Turret drive for guns. G. C. Gentry. 2,354,204; July 25.
Typewriting machine. W. F. Helmond. 2,354,520; July 25.
Typewriting machine, typesetting machine, and other keyboard instruments. A. T. Cahill. 2,354,196; July 25.
Universal joint. D. R. Ligh and F. F. Ehrenhaft. 2,354,467; July 25.
Valve: *See*—
Back-pressure valve. Selector valve.
Check valve.
Valve. E. Orshansky, Jr. 2,354,608; July 25.
Valve door construction. C. J. Bates. 2,354,358; July 25.
Valve for floor waxers. J. H. Smith. 2,354,619; July 25.
Valve shutoff device. J. G. Fisher. 2,354,366; July 25.
Vegetable bunch tying machine. A. G. Sueiflow. 2,354,410; July 25.
Vehicle. W. H. Wheeler. 2,354,627; July 25.

Vehicles, Loading and unloading apparatus for self-propelled. F. L. Smith. 2,354,337; July 25.
Ventilating system for positive air control in buildings. A. E. Waterman. 2,354,292; July 25.
Ventilator. C. Levinsen. 2,354,466; July 25.
Vibration motor. F. B. Norman. 2,354,605; July 25.
Viscosimeter. G. S. Bays. 2,354,299; July 25.
Voltage variation compensator. R. E. Schock. 2,354,483; July 25.
Waffle iron and the like. A. M. Young and J. C. Adams. 2,354,240; July 25.
Washing machine. A. H. Haberstump. 2,354,208; July 25.
Weighing pendulum and recorder disk assembly. O. S. Curliss. 2,354,301; July 25.
Welding. A. R. Lytle and W. Morton. 2,354,267; July 25.
Welding apparatus. L. M. Benkert. 2,354,190; July 25.
Welding machine. M. R. Harris. 2,354,313; July 25.
Wells, Treating. A. D. Garrison. 2,354,203; July 25.
Welt seams, Forming. P. W. Valentine. 2,354,490; July 25.
Wetting agent. J. H. Cone and A. J. Shmidl. 2,354,577; July 25.
Wheel construction. W. E. Lyon. 2,354,444; July 25.
Winding system. G. W. Lane. 2,354,322; July 25.
Window control. L. W. Kent. 2,354,382; July 25.
Windshield wiper mechanism. R. B. Bell. 2,354,189; July 25.
Wiper, Windshield. R. W. Brown. 2,354,440; July 25.
Yarn winding apparatus. E. K. Gladding. 2,354,455; July 25.
Yarns, Treating textile. L. J. Sheps, M. A. Boisclair, K. V. Cooper, and P. Fristensky. 2,354,335; July 25.
Yeast propagation. A. S. Schultz, L. Atkin, and C. N. Frey. 2,354,281; July 25.

CLASSIFICATION OF PATENTS

ISSUED JULY 25, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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U. S. GOVERNMENT PRINTING OFFICE: 1944

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

THE PERSONAL PRODUCTS CORPORATION
v.
ALLEN LABORATORIES, INC.

No. 4,799. Decided February 7, 1944. Petition for rehearing denied April 3, 1944

[141 F.(2d) 702]

1. TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.
The unmedicated internal catamenial device comprising a cotton tampon, to which appellant applies the trade-mark "MEDS" *Held* to possess the same descriptive properties as the similarly constructed device, used in the treatment of gynecologic conditions, to which appellee applies the trade-mark "MED-I-PAX", that device having a medicated suppository attached to the upper end of the cotton tampon which is designed to hold the medicament in the area of infection or inflammation and to absorb exudates.

2. WORDS AND PHRASES—"MED".
"The prefix 'MED' in appellee's trade-mark is • • • defined by the lexicographers as an abbreviation of the terms 'medical' and 'medicine.' "

3. TRADE-MARKS—DESCRIPTIVENESS—DOMINANT PORTION.
"The prefix 'MED,' as used in appellee's mark, is descriptive of the character or quality of appellee's goods, and, therefore, is not the dominant feature of the mark."

4. SAME—SAME.
"The term 'MEDS,' as applied to appellant's product is not descriptive of the character or quality of appellant's goods."

5. SAME—CONFUSING SIMILARITY.
"Considering the fact that appellee's 'MEDICATED VAGINAL SUPPOSITORIES' are used for medical treatment and for the prevention, cure, or alleviation of disease, whereas appellant's unmedicated tampons are devices used solely for catamenial protection, and considering the differences in the marks of the parties, we are of opinion that the concurrent use of the marks on the goods of the parties would not be likely to cause confusion or mistake in the mind of the public or to deceive purchasers."

APPEAL from the Patent Office. Reversed.

BLAND, *J.*, dissenting.

Mr. George H. Lorch (*Mr. Charles M. Thomas* of counsel) for The Personal Products Corporation.

Messrs. Pennie, Davis, Marvin & Edmonds (*Mr. H. Stanley Mansfield* and *Mr. Clarence M. Fisher* of counsel) for Allen Laboratories, Inc.

HATFIELD, *J.:*

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences, sustaining appellee's notice of opposition and holding that appellant was not entitled to the registration of its trade-mark "MEDS" for use on "tampons."

It appears from the record that appellant's trade-mark "MEDS" is used on an unmedicated internal catamenial device, comprising telescopically arranged paper tubes and a cotton tampon having a withdrawal string attached thereto and extending outwardly through the inner tube; that appellant sells its goods at retail to the general public through drug stores, chain stores, and department stores throughout the United States at twenty cents per package of ten tampons; and that it has expended approximately $375,000 in advertising its product and its trade-mark in newspapers and magazines throughout the United States.

In its application for registration, filed June 25, 1940, appellant alleged that it had used its trade-mark on its goods since June 21, 1939.

Appellee is the owner of trade-mark registration No. 348,970, issued August 17, 1937, on an application filed February 24, 1937, for the trade-mark "MED-I-PAX" for use on "MEDICATED VAGINAL SUPPOSITORIES," although it appears from the record that it advertises and sells its goods as "vaginal tampon suppositories" under the trade-mark "Medipax."

The goods of the parties are of substantially the same construction, except that in appellee's device a medicated suppository, molded to facilitate easy insertion, is attached to the upper end of the cotton tampon. Appellee's device is "used for medical treatment" and not as a "catamenial device." It is used in the treatment of "gynecologic conditions," and is, therefore, for the prevention, cure, or alleviation of disease. The medication consists of either metaphen or merthiolate. In appellee's device the cotton tampon to which the medicated suppository is attached is designed to hold the medicament in the area of infection or inflammation and to absorb exudates.

It further appears from the record that appellee's goods are "ethical" products; that they are sold at $1.00 per package of six by druggists on physicians' prescriptions, although they may be purchased without such prescriptions; that appellee has expended approximately $15,000 in advertising its goods and its trade-mark; that they are advertised in medical journals, by contact with physicians, by exhibits at medical conventions, and, as stated by appellee's witness E. A. Griswold, vice president of the opposer company, through a physician in the employ of the appellee company

"whose only duty is to interest hospitals and clinics as well as members of the medical profession in the use of Medipax Brand Vaginal Tampon-Suppositories. His duties also include the organization of clinical research at such institutions."

Appellee's goods are not advertised for sale to the general public through magazines and newspapers as are appellant's catemenial tampons.

The witness Griswold testified on direct examination that the appellee company was incorporated on December 24, 1938; that he had been vice president of the company since January 27, 1939; and that he had been engaged in the manufacture of

drug and pharmaceutical products for more than ten years. We quote from the testimony of the witness as follows:

Q. 46. What does the word "Med" mean to you?
* * * * * * *
A. The word "Med" appears in the Funk & Wagnall's Standard Dictionary, in Webster's New International Dictionary and in the New Century Dictionary as an abbreviation for medical or medicine.
Q. 49. Is that what the word means to you?
A. I think that is correct.

The tribunals of the Patent Office concurred in holding that the goods of the parties possessed the same descriptive properties; that the marks were confusingly similar; and that appellant was not entitled to the registration of its mark.

In his decision holding the marks to be confusingly similar, the Commissioner stated, among other things, that, although the goods of the respective parties are not competitive, they

are very closely associated in use, and may reasonably be assumed to be produced by the same manufacturer. I doubt that one would be mistaken for the other, but if sold under similar trade-marks I am convinced that there is at least some likelihood of confusion as to origin. In reaching this conclusion I have not overlooked existing differences in price and in methods of sale. Both are subject to change. Nor is it material that there is no evidence of actual confusion.

[1] Although it is stated in appellant's reasons of appeal that the goods of the parties do not possess the same descriptive properties, that issue is not discussed in appellant's brief. Accordingly, it is unnecessary for us to discuss it here. It is sufficient to say that we are in agreement with the views expressed by the tribunals of the Patent Office that the goods of the parties possess the same descriptive properties.

It is contended here by counsel for appellant that, considering the differences in the trade-marks of the parties and the goods to which they are applied, the marks are not confusingly similar; that appellant's trade-mark "MEDS" is a coined, arbitrary mark, and, as applied to appellant's goods, has no descriptive significance; that apart from the syllable "MED" in appellee's mark, there is no similarity between the marks of the parties; that as the syllable "MED" in appellee's mark is an abbreviation of the terms "medical" or "medicine," as used in appellee's mark, it is descriptive of the character and quality of appellee's goods and, therefore, is not the dominant feature of appellee's trade-mark; that appellee is not entitled to its exclusive use; and that appellant's trade-mark "MEDS" was

"adopted as a contraction of appellant's well-known trade-mark 'MODESS', extensively used as applied to catamenial napkins, a competitive product then and now sold on an extensive scale."

(It may be said at this point that, although it appears from the record that appellant manufactures and sells catamenial napkins under the term "MODESS," it does not appear that the term "MEDS" was adopted as a contraction of the term "MODESS.")

The record discloses that prior to the adoption of the trade-mark "MEDS" for use on tampons, appellant caused a search to be made in the United States Patent Office for the purpose of ascertaining whether there were any registered trade-marks similar to the term "MEDS" and that such search disclosed, among other registered trade-marks, appellee's mark "MED-I-PAX," hereinbefore referred to; the trade-mark "Medo," registered October 14, 1919, for use on sanitary bloomers; the trade-mark "Medpaks," registered December 29, 1925, for use on sanitary napkins; the trade-mark "Medix," registered August 2, 1927, for use on sanitary napkins; the trade-mark "M E D," registered July 30, 1929, for use on pharmaceutical preparations, compounds, or mixtures for coughs, whooping cough, colds, and similar infections of the throat and lungs; the trade-mark "MED," registered September 11, 1928, for use on preparations for the treatment of boils, sties, carbuncles, feruncles, felons, and pimples due to staphylococcus infection; the trade-mark "EMDEE," registered December 6, 1927, for use on surgical pads, surgical mattresses, surgical sheets, surgical beds, and maternity packs; also the trade-mark "MD," enclosed within a fanciful design, registered August 15, 1911 (renewed), for use on medicinal plasters.

Counsel for appellant also contends that appellee's

"parent company, Tampax, Inc., does market an unmedicated cotton tampon used for the identical purpose for which applicant's tampon is employed and sold in direct competition therewith. But, this product bears the name 'TAMPAX', a mark more nearly like 'MED-I-PAX' than applicant's coined and arbitrary mark 'MEDS' * * *."

(Appellee's witness Griswold testified on cross-examination that prior to his becoming vice president of the appellee company, he was employed by "Tampax, Incorporated," and that the Tampax company manufactured and sold a device for "catamenial protection" known as "TAMPAX." However, there is nothing in the record to indicate how long the Tampax company had been selling its product under its trade-mark "TAMPAX," or that that company is related either directly or indirectly to the appellee company. Furthermore, priority of use and of confusing similarity of the terms "MED-I-PAX" and "TAMPAX" are not issues in this case.)

[2][3][4] The prefix "MED" in appellee's trade-mark is, as stated by appellee's witness Griswold, defined by the lexicographers as an abbreviation of the terms "medical" and "medicine." See Funk & Wagnalls New Standard Dictionary, Webster's New International Dictionary, and The Century Dictionary and Cyclopedia. Furthermore, it was conceded by that witness, who, at the time of the taking of his testimony, had been engaged in the manufacture of drugs and pharmaceutical products for more than ten years, that he understood the prefix "MED" to be an abbreviation of "medical" or "medicine." Accordingly, the prefix "MED," as used in appellee's mark, is descriptive of the character or quality of appellee's goods, and, therefore, is not the dominant feature of the mark. See *Younghusband* v. *Kurlash Company, Inc.*, 25 C. C. P. A. (Patents) 886, 94 F.(2d) 230, 492 O. G. 8; *American Brewing Co.* v. *Delatour Beverage Corp.*, 26 C. C. P. A. (Patents) 778, 100 F.(2d) 253, 501 O. G. 293; *Miles Laboratories, Inc.*, v. *The Pepsodent Co.*, 26 C. C. P. A. (Patents) 1272, 104 F.(2d) 205, 508 O. G. 293; *Frankfort Distilleries, Inc.*, v. *Kasko Distillers Products Corporation*, 27 C. C. P. A. (Patents) 1189, 111 F.(2d) 481, 520 O. G. 535; *Miles Laboratories, Inc.*, v. *United Drug Co.*, 27 C. C. P. A. (Patents) 1273, 112 F.(2d) 814, 521 O. G. 528. However, the term "MEDS," as applied to appellant's product, is not descriptive of the character or quality of appellant's goods. Whether it is registrable as a trade-mark for use on appellant's goods in view of the registered marks hereinbefore referred to, such as, for example, "Medo" for use on sanitary bloomers and "Medix" for use on sanitary napkins, is not an issue before us, there having been no ex parte rejection of appellant's application for the registration of its mark.

The sole issue in the case is whether, considering the differences in the marks of the respective parties and the differences in the goods to which the marks are applied, concurrent use of the marks would be likely to cause confusion or mistake in the mind of the public or to deceive purchasers.

It is unnecessary that we further analyze the marks of the parties, or that we again explain the differences in structure of the devices on which they are used.

After careful consideration of the issues in the case, we are constrained to disagree with the views expressed by the tribunals of the Patent Office.

[5] Considering the fact that appellee's "MEDICATED VAGINAL SUPPOSITORIES" are used for medical treatment and for the prevention, cure, or alleviation of disease, whereas appellant's unmedicated tampons are devices used solely for catamenial protection, and considering the differences in the marks of the parties, we are of opinion that the concurrent use of the marks on the goods of the parties would not be likely to cause confusion or mistake in the mind of the public or to deceive purchasers. Accordingly, the decision of the Commissioner of Patents is reversed.

Reversed.

BLAND, *J.*, (dissenting):

I am not in agreement with the majority, either in the conclusion or the reasons assigned for arriving at the same. The goods of the respective parties are not only of the same descriptive properties but they are so nearly identical in many respects that I cannot escape the conclusion that the use of "MEDS" on appellant's goods will lead to the character of confusion which the trade-mark law sought to prevent.

The mark "MEDS" is suggestive that the goods upon which it is used are medicinal in character, whereas they are not in any respect used for medicinal purposes. The adoption of the mark alone would suggest to me a desire on the part of its user to reap where it has not sown and to profit by the confusion with such marks as "MEDIPAX."

The majority, in stating the case, have emphasized the difference in the uses and the manner of selling the goods of the parties. Advertising practices and manner of sale, as we have said many times, are always subject to change and should ordinarily not influence us in our decision.

I disagree with the manner in which the majority have dissected the appellee's trade-mark and the conclusion that "med," being descriptive, is not the dominant portion of the mark. The mark as a whole is not descriptive, and I cannot concur in a line of reasoning which permits the whittling away of a valid mark and thus promotes confusion in the purchasing public.

Some of the best and most favorably known trade-marks have syllables which, if considered alone, are descriptive; and the descriptive syllable may be the main feature of the mark, yet the mark as a whole may unquestionably be a valid and valuable one. If the reasoning of the majority in this case had been applied in numerous decisions heretofore handed down by this court, we should have arrived at different conclusions. For instance, in *The Celotex Company* v. *Arthur Edward Millington*, 18 C. C. P. A. (Patents) 1484, 49 F.(2d) 1053, 9 U. S. P. Q. 353, 413 O. G. 279, the marks "CELOTEX" and "FIR-TEX" were compared. We there held that "FIR-TEX" could not be registered over "CELOTEX" notwithstanding the claim that the term "tex" was common property. There was no similarity between the terms "celo" and "fir." Nevertheless, we held, as we have in numerous other cases, that the marks should be regarded as a whole and not dissected, and that the registration of "FIR-TEX" would mislead the public in view of the well-known mark "CELOTEX." I need not cite a long list of cases to the same effect which I think are, in effect though not expressly, overruled by the reasoning which the majority have applied to the instant issue.

If the conclusion of the majority is right and the appellant may register a mark containing the descriptive term "med" on goods that have no medicinal qualities, it would seem to follow that the appellee, in the natural extension of its business, would have an equal right to use its term "MEDIPAX" on goods identical with those of appellant. The goods are substantially identical in construction and mode of use. When appellant's mark is registered, appellee, according to the majority, could not use its mark on its tampon if it dispensed with the medicinal element of the same.

I think the tribunals of the Patent Office correctly decided the issue, and I would affirm the decision of the Commissioner of Patents.

U. S. Court of Customs and Patent Appeals

KOCH *v.* LIEBER, DECEASED

No. 4,793. Decided March 6, 1944

[141 F.(2d) 518]

1. INTERFERENCE—FINAL HEARING—RIGHT TO MAKE COUNTS.

Where appellant at final hearing before the Board of Interference Examiners, in attacking the right of appellee to make counts 1, 2, 3, and 4 in issue, advanced reasons in addition to those he presented in moving to dissolve as to counts 1, 2, and 3 and in opposing the addition to the interference of count 4 *Held* that the Board properly refused to consider such additional reasons.

2. SAME—SAME—QUESTIONS ANCILLARY TO PRIORITY.

The question whether the counts in issue as made in appellee's reissue application were for a different invention from that claimed in the patent upon which said reissue application was based *Held* not ancillary to priority, and properly refused consideration by the Board of Interference Examiners at final hearing.

3. SAME—CONSTRUCTION OF COUNTS—PATENTABILITY.

"This court has repeatedly held that when in an interference proceeding the appellate tribunal of the Patent Office (in the instant case, the Board of Interference Examiners) construes counts broadly and holds that when so construed they are patentable over the prior art, we are bound by such holding, and that the patentability of such counts is a matter for ex parte consideration by the Patent Office tribunals."

4. SAME—PRIORITY.

Record reviewed and *Held* that appellee has the right to make the counts in issue; that appellant failed to establish conception or reduction to practice prior to appellee's filing date; and that priority properly was awarded to appellee.

APPEAL from the Patent Office. Affirmed.

Messrs. Hoguet, Neary & Campbell (*Mr. Walter H. Free* and *Mr. George H. Corey* of counsel) for Koch.

Mr. S. Michael Pineles (*Mr. M. C. Massie* of counsel) for Lieber, Deceased.

HATFIELD, *J.:*

This is an appeal in an interference proceeding from the decision of the Board of Interference Examiners of the United States Patent Office awarding priority of the invention defined by the four counts in issue (Nos. 1 to 4, inclusive) to appellee.

The interference is between appellant's reissue application, No. 314,564, filed January 18, 1940, for the reissue of his Patent No. 2,144,458, issued January 17, 1939, on an application, No. 38,682, filed August 31, 1935, and appellee's reissue application, No. 267,932, filed April 14, 1939, for the reissue of his Patent No. 2,077,425, issued April 20, 1937, on an application, No. 648,733, filed December 24, 1932.

Count 1 is sufficiently illustrative of the counts in issue. It reads:

1. In an audiphone, the combination of electromagnetic means adapted to respond to varying currents substantially throughout the audible frequency range, a casing secured thereto, a relatively stiff vibratory member operatively associated with the means for vibration thereby, a contactor connected to the member and forming at least part of a wall of the casing, resilient means between the contactor and the casing whereby the contactor can vibrate relatively to the casing, and means supporting the casing with the contactor in operative contact with the bone structure of the user for conducting its vibrations therethrough to the inner ear.

Counts 1, 2, and 3 originated in appellant's patent and were included in his reissue application. Count 4 originated in appellant's reissue application.

Appellant is the junior party, and the burden was upon him to establish priority of invention by a preponderance of the evidence.

Both parties submitted testimony on the question of priority.

The invention in issue relates to an audiphone, an instrument designed to aid those whose sense of hearing has been impaired. It is of the bone conductor type, and is so arranged as to transmit vibrations through the bone structure to the inner ear by means of a bone contactor.

As will be observed from the quoted count, the hearing device comprising a casing, an electromagnetic means responsive to varying currents in the audible frequency range, a relatively stiff vibratory member operatively associated with the electromagnetic means, a contactor which forms at least a part of the wall of the casing, a resilient means between the contactor and the casing to permit the contactor to vibrate relative to the casing, and means supporting the casing with the contactor in operative contact with the bone structure of the user.

It appears from the disclosures in the patents, as well as in the reissue applications of appellant and appellee, that the vibratory mechanism for producing vibrations is enclosed within a casing which has an opening in the central portion thereof, and that that opening is closed and the wall of the casing thereby completed by what is termed a "contactor." In several of the drawings in appellant's patent and his reissue application, as well as in appellee's patent and reissue application, the end of the contactor projects beyond the outer surface of the wall of the casing.

The difference between the disclosures in the patents is that appellant shows a relatively thick wall with its outer surface in one plane, whereas appellee shows a comparatively thin wall having a central enlargement or extension which forms a supporting surface adapted to support the receiver on the wearer's head. It will thus be seen that the area of the outer wall surface which supports the receiver on the wearer's head is greater in appellant's disclosure than in that of appellee. However, the area thus referred to is not specified in the counts.

As originally declared, the interference included counts 1, 2, and 3. During the motion period, appellee moved to add count 4 to the interference, and appellant moved to dissolve the interference as to counts 1, 2, and 3 on the ground that appellee was not entitled to make the claims constituting those counts and, for the same reason, opposed appellee's motion to add count 4 to the interference.

The Primary Examiner denied appellant's motion to dissolve, but granted the motion to add count 4 to the interference. Whereupon, the interference was redeclared.

There are but two contentions made in appellant's motion to dissolve as to counts 1, 2, and 3. Those contentions were also made by appellant in opposing the addition of count 4 to the interference. They are: First, that appellee's patent does not disclose a contactor which forms at least a part of the wall of the casing, as called for by each of the counts in issue; second, that, as counts 1, 2, and 3 were in appellant's patent, they should be so construed as to be valid and that, if they were so broadly construed as to read on appellee's disclosure, they would be met by the prior art. Specifically, appellant contended that as the wall of the casing in appellee's structure, as disclosed in his patent, was provided with a central boss or

elevation projecting therefrom, which was described in the patent as a "central enlargement * * * of the cover" of the casing which formed a supporting surface adapted to support the receiver on the wearer's head, appellee's disclosure did not conform to the limitation in the counts that the contactor formed a part of the wall of the casing.

In denying appellant's motion to dissolve and granting appellee's motion to add count 4 to the interference, the Primary Examiner stated in his decision that the projection or central enlargement in the casing, as disclosed in appellee's patent, is comparatively slight, and that—

The area of the projection [in appellee's device as disclosed in his patent] is sufficient to allow a firm support of the receiver on the bone structure of the wearer. The natural curvature of the bone structure would not allow a better support if the area were larger like the flat supporting face plate of the Koch devices. The button [contactor] projects slightly above the supporting surface of the projection [the enlargement in the central portion of the casing in appellee's device] when not in use but when in operating condition is flush with this surface as shown in Fig. 3. It is necessary that the contactor project slightly above the supporting surface when the receiver is not supported on the head so that a good contact is made between the contactor and the bone when the receiver is supported in operating position on the head.

The Examiner further stated that "it does not appear" that the prior art referred to by counsel for appellant

"present disclosures which require a construction of the patented claims [as well as added count 4] which would not be descriptive of the disclosure"

contained in appellee's patent.

It should be stated at this point that in an ex parte prosecution of appellee's reissue application, the Primary Examiner held that appellee could not make the claims constituting counts 1, 2, and 3 which had been copied from appellant's patent, and that on appeal to the Board of Appeals, the Examiner's decision was reversed and it was held that appellee's patent disclosed the invention defined by those counts.

[1] It appears from the decision of the Board of Interference Examiners that at final hearing appellant renewed his motion to dissolve the interference for the reasons therein set forth and the reasons assigned for his opposition to the addition of count 4 to the interference, and also advanced additional reasons.

The Board held that the additional reasons not included in appellant's motion to dissolve or in his opposition to the addition of count 4 to the interference could not be considered by it. In support of such holding, the Board cited the case of *Creed et al.* v. *Potts*, 25 C. C. P. A. (Patents) 1084, 1089, 96 F.(2d) 317, 496 O. G. 9.

The holding of the Board that grounds for the dissolution of an interference, not included in the motion to dissolve, were not properly before it, although raised at final hearing, is in conformity with rule 122 of the Rules of Practice in the United States Patent Office. See *Creed et al.* v. *Potts*, supra. Accordingly, so far as the dissolution of the interference is concerned, we may consider here only the reasons set forth in appellant's motion to dissolve as to counts 1, 2, and 3 and in his opposition to the addition of count 4 to the interference. It is unnecessary, therefore, that we set forth other reasons why, in the opinion of counsel for appellant, appellee's patent does not disclose the subject matter of the counts in issue.

Relative to appellant's motion to dissolve as to counts 1, 2, and 3 and his opposition to the addition of count 4 to the interference on the ground that appellee does not disclose in his patent that the contactor forms at least a part of the wall of the casing, as called for by each of the counts in issue, the Board held, as did the Primary Examiner (in substance), that appellee's patent discloses in the drawings that the central enlargement in the casing has a relatively wide area and that the contactor extends slightly beyond or above it, and that the Koch patent, although showing no such enlargement in the casing, shows a contactor extending a slight distance above or beyond the wall of the casing. The Board stated that in appellant's patent

"the contactor forms at least part of the wall of the casing even though it extends a slight distance therebeyond if in the normal condition of wear contact is maintained both with the contactor and base of the device."

The Board further stated:

It is believed that the device as disclosed by Lieber [appellee] fully meets this criteria. It is true that Lieber provides a boss [an enlargement in the central portion of the casing which is adapted to support the receiver on the wearer's head] but this boss has a relatively wide flat area which provides the same base contact as the whole base of the Koch device and distinguishes in this respect over the prior art cited in the Koch file * * *. This distinction appears to be all that is set forth in the limitation of the counts under discussion and, accordingly, we believe that Lieber [appellee] is entitled to make the counts in issue.

We are in agreement with the conclusion reached by the Board that the drawings in appellee's patent clearly disclose that the contactor forms a part of the wall of the casing.

It is true that in appellee's device the contactor extends slightly beyond the enlargement in the wall of the casing. Nevertheless, it appears from the record, as well as from the brief of counsel for appellant, that the contactor should extend slightly beyond the wall of the casing when the device is not in use.

[2] The Board further stated that it was the contention of counsel for appellant that appellee was not entitled to make the counts in issue because they were for a different invention from that claimed in appellee's patent. The Board held, however, that that question was not ancillary to the issue of priority of invention, and was, therefore, not proper for consideration in an interference proceeding. In so holding, the Board relied upon the decisions of this court in the cases of *Herthel and Tifft* v. *Dubbs*, 20 C. C. P. A. (Patents) 1128, 65 F.(2d) 138, 437 O. G. 3, and *Ellis* v. *Maddox*, 25 C. C. P. A. (Patents) 1045, 96 F.(2d) 308, 495 O. G. 483, which clearly support that holding.

The Board considered the evidence introduced by appellant for the purpose of establishing that he was the prior inventor of the subject matter here involved, and held that appellant had failed to establish conception of the invention prior to appellee's filing date (December 24, 1932); that appellee was the first to conceive the involved inven-

tion and the first to reduce it to practice by the filing of his application, and, accordingly, awarded priority of invention to appellee.

Counsel for appellant contend here, among other things, that if the counts in issue are so broadly construed as to read on the disclosure in appellee's patent, they are not patentable over the prior art.

[3] This court has repeatedly held that when in an interference proceeding the appellate tribunal of the Patent Office (in the instant case, the Board of Interference Examiners) construes counts broadly and holds that when so construed they are patentable over the prior art, we are bound by such holding, and that the patentability of such counts is a matter for ex parte consideration by the Patent Office tribunals. See *Marshall and Levandosky* v. *Ledwinka*, 21 C. C. P. A. (Patents) 728, 67 F.(2d) 495, 438 O. G. 531; *Vickery* v. *Barnhart*, 28 C. C. P. A. (Patents) 979, 118 F.(2d) 578, 529 O. G. 245; *Vietti et al.* v. *Dow et al.*, 28 C. C. P. A. (Patents) 1156, 120 F.(2d) 360, 531, O. G. 541.

It is unnecessary that we extend this opinion by a detailed discussion of all of the evidence introduced by appellant. It is sufficient to say that counsel for appellant rely here upon appellant's physical Exhibit No. 6, which includes merely a diaphragm element and a contactor and which was made, as it is now constituted, sometime in November 1932. It is not assembled as a hearing-aid device and does not conform to the counts in issue. Counsel contend, however, that Exhibit No. 6 was assembled in a casing with rubber washers, and that the contactor was flush with, and a part of, the wall of the casing, and that such a device was successfully tested by appellant and the witness Sterling G. Sears "with a head band in the early part of 1932."

The witness Sears testified that Exhibit No. 6 was the only device that was not modified for subsequent experiments, and that when mounted in a "receiver case like Exhibit 10, with suitable rubber washers in front or behind the spider as in Exhibit E, the button tip was substantially at the surface of the cap."

Exhibit No. 6 was tested about the middle of November 1932. There is nothing in the evidence, however, to show that it was assembled in a hearing-aid device, as called for by the counts in issue, and successfully operated prior to appellee's filing date—December 24, 1932.

Counsel for appellant state in their brief that appellant's physical Exhibit No. 12 was made and successfully operated in the early part of December 1932, and that a few days before Christmas 1932 appellant's physical Exhibit No. 13 was made and successfully tested. However, neither of those exhibits have a head band or any other means for supporting the casing with the contactor in operative contact with the bone structure of the user, and, therefore, do not conform to the counts in issue.

In reply to the Board's holding that none of the exhibits tested prior to appellee's filing date conform to the device defined by the counts in issue and that exhibits, such as appellant's Exhibits Nos. 12 and 13, had no head bands or other supporting means as required by the counts in issue, counsel for appellant state in their brief that that limitation in the counts is a minor one and that the counts would have been satisfied had the device been held in position by the use of the hand. That counsel for appellant are wrong in that contention is so obvious as to require no further comment.

It is conceded by counsel for appellant that appellant did not construct a device prior to the filing of his patent application (August 31, 1935) which included a "resilient means" between the contactor and the casing as called for by count 1.

Exhibits other than those hereinbefore referred to were introduced in evidence by counsel for appellant. However, we deem it unnecessary to describe or discuss them here. It is sufficient to say that we have given careful consideration to the evidence introduced by appellant and the arguments of counsel pertaining thereto, but are unable to hold that the Board erred in finding that appellant had failed to establish conception or reduction of the invention to practice prior to appellee's filing date—December 24, 1932.

[4] For the reasons stated, the decision of the Board of Interference Examiners is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

SPERRY *v.* PAYNE (Nos. 4,776 and 4,777)
SPERRY *v.* TESCHNER (No. 4,778)

Nos. 4,776, 4,777, and 4,778. Decided February 7, 1944.
Petition for rehearing denied April 3, 1944
[—F.(2d)—]

1. INTERFERENCE—EVIDENCE—INTRODUCTION OF RECORD OF RELATED INTERFERENCE—RULE 157.
   Where appellee offered in evidence a copy of the printed "Record for Sperry" from an interference which involved related subject matter *Held* that the Examiner of Interferences properly refused to consider that record, since it was not introduced in accordance with rule 157.
2. SAME—PRIORITY.
   Evidence reviewed and *Held* that appellant reduced the automobile heater in issue to practice prior to appellee's filing date, and that priority should have been awarded to appellant.

APPEALS from the Patent Office. Reversed.

Messrs. Zabel, Carlson, Gritzbaugh and Wells (*Mr. Max W. Zabel, Mr. Greek Wells* and *Mr. Foster York* of counsel) for Sperry.

Messrs. Brown, Jackson, Boettcher & Dienner (*Mr. Arthur H. Boettcher* of counsel) for Payne and Teschner.

JACKSON, *J.*:

These are appeals from decisions of the Board of Appeals of the United States Patent Office affirming those of the Examiner of Interferences awarding priority of invention of the subject matter of the counts in appeals Nos. 4,776 and 4,777 to Payne, the senior party, and in appeal No. 4,778 to Teschner, the junior party.

All the appeals relate generally to the same subject matter. The attorneys for appellant and appellee in each case are the same and the appeals were argued together. For the reason that the interferences are so closely related they will be disposed of in a single opinion, but each will be separately discussed and decided.

The involved subject matter is an automobile heater comprising a radiator core and a fan and blower unit adapted to project two streams of heated air in different directions; in other words, one stream may be directed to one place in the car and another, to another. For example, one stream may be used to defrost the windshield while the other is heating the car.

The interferences all involve an application of the appellant, Serial No. 132,000, filed March 20, 1937. Appeals Nos. 4,776 and 4,777 involve an application of appellee Payne, Serial No. 128,077, filed February 27, 1937. Appeal No. 4,778 involves the application of the appellee Teschner, Serial No. 137,083, filed April 15, 1937.

Appeal No. 4,776—Interference No. 75,056

[1] In this interference no testimony was taken on behalf of appellee and he is restricted to the filing date of his application, February 27, 1937, for conception and constructive reduction to practice. He offered in evidence a copy of the printed "Record for Sperry" in interference No. 73,751. That interference involved related subject matter, among other parties including the party Sperry. The Examiner of Interferences would not consider that record since it was not introduced in accordance with rule 157 of the Rules of Practice, citing *Olson* v. *Pospeshil*, 50 App. D. C. 182, 269 Fed. 698, 283 O. G. 365. We are in full agreement with that decision of the Examiner.

Testimony was taken on behalf of the appellant and many physical exhibits supporting the testimony were received in evidence.

The single count herein reads as follows:

In combination, a heat exchange device comprising a housing, a radiator core disposed within said housing, and means for circulating air through the radiator core, said means comprising an outer fan driving air into said core and an inner fan withdrawing air from said core.

The interference as declared involved three parties. The third party did not appeal from the decision of the Examiner of Interferences.

In his preliminary statement appellant alleged a conception of the invention and a disclosure of it to others on or about January 10, 1936. He also alleged that shortly after that date he embodied the invention in a device having all the necessary elements to prove a reduction of the invention to practice and that he afterward embodied his invention in a complete commercial machine on or about May 4, 1936.

Sperry Exhibit 1 comprises a motor with a shaft extending therethrough, at one end of which is fastened a four-bladed propulsion fan, the blades measuring about three inches from the shaft to the outer ends thereof. In appearance the fan is similar to the ordinary small air-circulating fan. Near the inner ends of the blades holes were bored therein. Between the fan and the motor, and also fastened to the shaft, is a cylindrical Bakelite suction blower.

According to the record, the purpose of that device was to test out a theory of appellant that when the shaft was rotated by the motor air would be delivered in two directions, outwardly by the propeller fan and inwardly by the blower, the air drawn by the latter coming through the center portion of the fan and the holes in the blades. It appears that the device was mounted on a block with an automobile heating core in front of the fan and a metal band in the form of an oval housing or shroud surrounding the blower. In a test of the device smoke was generated in front of the heating core and it was observed that the smoke was drawn through the core by the blower in a direction opposite to the air driven by the fan. The record does not show any further test of that exhibit.

The Examiner of Interferences stated with respect to Exhibit 1 that the testimony of appellant concerning its building and testing was reasonably corroborated by two other witnesses, but that such testing was not more specifically fixed than "perhaps the 'fall of 1935.'" He held that Exhibit 1 could not be considered as establishing a conception of the complete operative device defined by the count.

Exhibit 2 comprises a blower fan assembly generally similar to Exhibit 1. It contains a metal blower comprising an annular shell having vanes in its periphery for removing air from the interior of the shell and surrounded by a brass housing or shroud through which air drawn by the blower is propelled in a direction different from that driven by the propulsion fan. That fan consists of six blades attached to the outer rim of the blower. The fan and blower assembly is attached by means of a shaft to a motor, which is fastened to the wall of the shroud by two U-shaped metal brackets. The testimony of appellant is that Exhibit 2 was completed about October 10 to 15, 1935, which date the Examiner of Interferences stated was amply corroborated by the witness who made the blower housing and assembled the device, and another witness who attached the fan blades to the blower.

Exhibit 2 was tested with a conventional heater apparently complete in all respects except that the core was not surrounded by a housing. The Examiner of Interferences held that Exhibit 2 was so tested probably immediately after the completion of the exhibit, sometime during the latter half of October 1935. The heating core which was used in that test is said to be the same as that now found in Exhibit 3, which is a conventional automobile heater the core of which is disposed within a housing. Fastened concentrically to the inner wall of the core is a metal ring in front of the fan and providing a channel around the inlet from the core to the blower. The ring is about the same diameter as that of the blower. However, the back plate which was used in the test was larger than that now on Exhibit 3, and the large U-bracket by means of which the heater is attachable to the body of an automobile was not on the heater at the time

of the test. The test was made in the laboratory of appellant's company and the device was found to have a large blower outlet of air which did not interfere with the volume of air discharged by the propulsion or propeller fan. The assembled device was tested in the following manner, according to appellant:

> • • • The air was tested for its velocity and compared with the ordinary type heaters that we were making with a plain propeller-type fan, and we found that we did not lessen the frontal air but very little, but at the same time the air that was drawn through the core to feed the blower was of a sufficient volume that enabled us to use it for the purpose that the device was intended for.

One of his corroborating witnesses testified as follows:

> When that core was placed onto the plate, there were two pipes projecting from each end of the core which were connected to a hot water supply system that was heated with gas. The hot water pumped through the core, heated the core to a high temperature.

and also:

> We found out that the temperature of the air was about the same as we would get with an ordinary fan behind a core of about that size, and that the velocity was pretty close to the reading of an ordinary fan. The temperature of the foot-warmer was much higher than ordinary room temperature.

The record clearly shows that the device operated in a satisfactory manner to demonstrate that by means of the heating core and fan assembly heated air could be blown in different directions.

For the reason that that assembly did not include a housing on the latter as required by the count, the Examiner held it could not serve as a conception of the invention of the count.

Exhibit 4 is a motor, fan and blower assembly in all respects similar to Exhibit 2 except that the diameter of the blower is very little larger. According to the testimony of appellant the blower was so constructed for the purpose of comparing the air volume drawn by it with that of Exhibit 2. Exhibit 5 is a conventional heater similar to Exhibit 3.

The appellant testified that Exhibit 5 was a heating core and housing of standard construction made by his company, and that when assembled with Exhibit 4 it was tested by connecting the motor with electric current which drove the blower and propeller fan, causing air to be propelled forward through the front of the heater and drawn by the blower in rearward direction through the center of the core through the outlet in the blower housing. He stated that from the test he ascertained that the speed of the motor in connection with the design of the fan blades and blower assembly controlled to some degree the amount of air delivery from both blower and fan, and with this information he proceeded to lay out what was to be the production type of the device. With respect to the temperature of the core at the time the test was made he said he believed that hot water was used throughout the test for the reason that water tubes extended from the water tanks to the core. He testified that Exhibits 4 and 5 were made within two weeks after the making of Exhibit 2 and its testing with the core of Exhibit 3, which latter two exhibits the Examiner stated probably were assembled and tested sometime during the latter half of October 1935.

One of the corroborating witnesses testified that the assembled Exhibits 4 and 5 were tested by connecting the core to the hot-water supply and electric current, and that the streams of air were tested for velocity and temperature, both in front of the heater and at the blower opening. This witness stated that the blower of Exhibit 4, although larger in diameter than that of Exhibit 2, showed no material increase in efficiency, and in the test Exhibits 4 and 5 operated "Satisfactorily, the same as Exhibit 2."

The Examiner held that even though the date of the assembling and testing of Exhibits 4 and 5, testified by appellant to have been sometime in November 1935, was not inconsistent with the dates given by the corroborating witness (the latter part of November 1935), such dates were not definitely established and therefore were inconclusive as to fixing the date of construction and satisfactory operation and reduction of the device to practice. He pointed out it was "unusual" for appellant to be at all uncertain as to when those exhibits were assembled as a complete unit when such assembly was a necessary part of the testing. He further pointed out that when appellant was asked whether the assembly of Exhibits 4 and 5 was made prior to the beginning of the hearing, he answered "I believe they were assembled as a complete unit at one time or another." The Examiner was of opinion that appellant based his statement that he believed hot water was passed through the core during the test largely on the appearance of the water tubes of Exhibit 5 at the time testimony was taken. In summary, with respect to those two exhibits, the Examiner held that, granting that their assembly not later than November 1935 was properly "verified," it could serve as nothing more than a conception of the device of the interference count as of the date alleged in the preliminary statement since the testimony with respect to the testing thereof was insufficient to serve as proof of reduction to practice.

Exhibit 6 is a third fan and blower assembly designed by appellant and made under his supervision. It appears to be the same as Exhibit 2 except that there are five propeller fan blades instead of six. The record shows it was incorporated in a regular production one-hole mounting heater made for automobiles by appellant's company and was installed in his automobile January 4, 1936.

The workers in appellant's company who made Exhibit 6 testified that after it was completed it was taken to the laboratory and tested with a stock heater, and proved to be

> "very satisfactory to the extent of its velocity of air, temperature of air at the front, and the foot-warmer opening at the blower."

Three other witnesses testified concerning the installation of the heater in the car at or about the time stated by appellant. The witness who took the heater to the garage where it was installed testified that he had received it from appellant.

This witness definitely stated that it was a one-hole mounting heater and when asked to examine the exhibits heretofore mentioned to see whether or not he had anything to do with them during the "Fall of 1935 and 1936" stated he thought "this blower, Exhibit 6, was attached to a heater, that was installed on Mr. Sperry's car." The witness later stated he did not remember what kind of a fan was on the heater, but was positive that Exhibit 6 was incorporated therein. The Examiner observed that the question as to what kind of a fan was on the heater was possibly ambiguous because it referred to a fan rather than a blower, and if that were the explanation for the apparently inconsistent answer that there was a blower on the heater it had not been brought out by the testimony. Therefore the Examiner held that although the witness' testimony had not been contradicted or shaken by cross-examination it was somewhat weakened by failure to clarify what the Examiner deemed to be inconsistent answers.

The one-hole mounting heater is shown by a catalog, which is in evidence, circulated by appellant's company, to be a conventional automobile heater, the one-hole feature meaning that only one hole was necessary in the body of the car through which to fasten the heater. This, like all conventional heaters, was equipped with a housing around the radiator core.

The record shows that after this last-named heater containing Exhibit 6 was installed, the car was driven to appellant's plant and was tested as

> "is always done after installation to see that the heater works."

It was testified that

> "When we have installed a heater in a car, we run the motor for a certain length of time to heat up the water, and then turn the heater on to see if we get heat through the core,"

and that this was done with respect to the heater that was installed in appellant's car. The witness was positive this was done because as he said it was done to all heaters installed by the company. Under cross-examination the witness was positive that the heater installed in appellant's car differed in appearance from the stock one-hole mounting heaters in that Exhibit 6 was attached to it. The heater to which Exhibit 6 was attached is not in evidence, the record showing that it was lost.

The Examiner held that, even though the testimony was sufficient to establish the installation of Exhibit 6 in appellant's automobile, it was deficient to establish a successful operation and testing of the device, and therefore did not demonstrate an actual reduction to practice.

A fan and blower assembly, Exhibit 8, identical in all material respects with Exhibits 2, 4, and 6, was made and used in the production of dies and tools for the commercial device of appellant's company, which was afterward put on the market. That exhibit was completed about the middle of June 1936, but there is nothing in the record to show that it was assembled into a heater core.

Exhibit 2 and Exhibit 3 were assembled and tested in the laboratory of appellant's company after the assembly was made. Appellant and one corroborating witness testified the assembly was made in July 1936, while another witness stated it was made sometime in November of that year. The test to which the assembly was subjected was as follows:

> "It was mounted on a board, connected to the hot water supply system, the electrical connections made, tested for amount of heat, air velocity, from in front of the heater and also the foot-warmer."

When the witness was asked how it worked, he answered "Satisfactorily."

The Examiner held the difference in dates (July and November 1936) to be of no great importance for the reason that in his view there was no testimony relative to the operation and testing of the assembly and accordingly it could not serve as proof of a reduction to practice of the subject matter of the count even if its assembled date had been properly verified.

The Examiner finally held that the entire record of appellant lacked sufficient evidence to show adequate testing to prove actual reduction to practice of the invention defined by the count in issue prior to his filing date. He was of opinion that the assembly of Exhibits 4 and 6 with Exhibit 5 and the heater not in evidence, respectively, embodied the elements of the involved invention and constituted a conception thereof as of January 10, 1936, as alleged in appellant's preliminary statement, and accordingly awarded that date to appellant. However, he restricted appellant to his filing date, March 20, 1937, for constructive reduction to practice and held that appellant had not been diligent during the critical period. Therefore he awarded priority of invention of the subject matter of the count to appellee.

The Board of Appeals in its decision affirmed the holding of the Examiner that the record of appellant was insufficient to show adequate testing of the device to establish actual reduction to practice. In its decision it is said that appellant contended before it that the Examiner erred in failing to give any weight to the tests of the devices which were the same as that of the count except that they lacked a housing over the core, and that under the doctrine of *Stewart* v. *Thomas*, 42 App. D. C. 222, 202 O. G. 1262, those tests were sufficient to establish a reduction to practice. In commenting on that case the Board stated:

> • • • The doctrine of this decision was that if the device tested did not contain all the elements included in the issue but did contain all of the elements of the real invention and did what it was expected to do, it constituted a reduction to practice. It seems rather obvious that the housing for the radiator core is essential to complete the structure of the operative device since the effective control of the air through the radiator core and the shutters 6, 7, 8, and 9 depends on such a housing.

The tribunals below held that the exhibits of appellant were made and assembled at or about the time testified to by him. The only issue here is whether or not the exhibits were adequately tested so as to properly establish reduction to practice.

Appellant at the time of taking testimony was

the General Manager of the Excel Auto Radiator Company, the plant of which is in the city of Chicago, and it was part of his duties to develop automobile heating devices. The company was the maker of "Hot Water Auto Heaters" and "Defrosting Fans and Thermostats for Automobiles." Therefore it must be presumed that appellant was skilled in the automobile heating art, and that the heaters produced by his company functioned for their designed purpose.

In the year 1936 and prior thereto hot water automobile heaters were common as accessories for automobiles. They comprised, generally speaking, a heating or radiator core disposed within a housing and propulsion fan means for circulating heated air into the interior of the automobile in one direction through the radiator core. The air became heated by reason of passing over the heater or radiator core, which was kept at an elevated temperature by means of circulating hot water. Not only was such a heat exchange device old, but also the blower or suction-type fan, during the times herein mentioned.

From the record it is clear that appellant was the first to discover the use of a blower and a propulsion fan operating together in close juxtaposition on a single shaft in connection with a heat exchange device for heating the interior of an automobile body.

Appellant had a theory that the air in front of a propulsion fan had little or no motion at the center thereof and therefore a fan and blower could be made to work in a single assembly with an automobile heater whereby currents of air would be discharged in opposite directions to heat automobile bodies, and Exhibit 1 was made in accordance with that theory. The test of the exhibit with smoke demonstrated that his theory was correct.

After that test he built Exhibit 2. It was attached to an ordinary heater core heated by means of circulating hot water therethrough, and the motor thereof was connected with electric current. When the fan assembly was activated heated air was propelled through the face of the core by the propulsion fan at a temperature about the same as that which would be secured in the conventional hot water automobile heater with a heating core of the same size and in velocity about as high, and the temperature of the air drawn through the blower was much higher than ordinary room temperature. The only limitation contained in the count not present in the device so tested is that in such test device the radiator core was not disposed within a housing.

For the reason that the housing required by the count was not a part of the test mentioned in the preceding paragraph such test of itself cannot be held to be a reduction to practice of the device defined in the count, *Wilcox* v. *Danner et al.*, 19 C. C. P. A. (Patents) 802, 53 F.(2d) 711, 12 U. S. P. Q. 16, 417 O. G. 3, and cases cited therein, but we are of opinion for reasons hereinafter appearing that we should not ignore the result of such test in view of the other exhibits and testimony concerning them.

The only reason why Exhibit 4 was made appears to be that appellant thought that if the diameter of the blower were a trifle larger the volume of air therethrough would be greater. Accordingly Exhibit 4 was assembled with Exhibit 5, which was a standard conventional heating radiator the core of which was enclosed within a conventional housing. That assembly was tested in the same manner as the tests performed on Exhibit 2 and the heating core without the housing, and it was noted that the increased diameter of Exhibit 4 made very little difference. One of the witnesses who was present at or made both of those tests testified that the assembly of Exhibits 4 and 5 worked "Satisfactorily, the same as Exhibit 2." No reasonable conclusion can be drawn from the testimony concerning the test of Exhibits 4 and 5 other than that the test for temperature and air velocity shown in the latter was as satisfactory as that which had been shown in the test of Exhibit 2 and the said core.

It will be noted from the quoted portion of the Board's decision that it was of the opinion that the housing was essential to complete the operative device because effective heat control through the radiator core and the shutters depended upon such a housing. The Board evidently based that part of its decision upon the testimony of one of appellant's witnesses to which it referred, who stated that the casing had a tendency "to hold the air in its line of course and will not separate until leaving the core * * *." While it is true that that witness thought that the casing or housing had a useful function in the mechanism, it will be readily observed that such function or use by the housing was merely to effect more of a concentration and control of currents of heated air coming through the face of the core than if no housing had been present. Surely, if the temperature of the current of air coming from the fan in the test of Exhibit 2 with the heater unit complete except for the housing was the same as that which came from the conventional hot water automobile heater, and if the temperature of air from the blower in that test was higher than ordinary room temperature, all that can be said concerning the difference between that test and the test of assembled Exhibits 4 and 5 is that heated air coming through a heating core enclosed in a housing is better held in its line of course and will not separate until leaving the core, and must have been even better than that which the testimony shows was amply sufficient in the test of assembled Exhibit 2 and the heater core without the housing. The record shows that in the test made of Exhibits 4 and 5 the assembly operated "Satisfactorily, the same as Exhibit 2."

Exhibit 6 in our opinion is clearly shown to have been present in the one-hole heater mounting at the time the latter was installed and tested in appellant's automobile, January 4, 1936. We see no necessity for any explanation of what the Examiner thought to have been the inconsistent answers hereinbefore mentioned for the reason that the witness who testified concerning the presence of Exhibit 6 in the heater clearly drew a distinction between the meaning of the words "fan" and "blower". In our opinion the testimony concerning the testing of Exhibit 6, embodied in the stock heater which was installed in appellant's car, was amply sufficient to establish a reduction to practice of the device defined by the counts. It will be remembered the record shows that in this, as in all installations in a car, the motor was run sufficiently long to heat up the water and then the heater was turned on to see if it would function properly.

There can be no question but that Exhibits 2 and 3 were assembled sometime in the year 1936 and we are of opinion that since the test made of that assembly was exactly the same as that formerly made with the assembly of Exhibit 2 and the core without the housing and found to be satisfactory, the later test should likewise be considered a reduction to practice when it was testified that the device worked "Satisfactorily, the same as Exhibit 2."

Appellee contends that the dates established and apparently held by the tribunals below with respect to the construction, assembly and testing of appellant's exhibits have not been established at all in legal effect. It is true that there were some minor inconsistencies between the witnesses as to actual dates, but nevertheless viewing such inconsistencies in the light most favorable to appellee we are of opinion that their testimony comes well within the proper limits of corroboration. It may be observed that much of the testimony in which dates were mentioned was based on the dates appearing on the actual devices. For instance, Exhibits 2, 4, and 6 comprise motors bearing the legend "Model E 36." This indicated to the witnesses that the motors were made between the fall of 1935 and the fall of 1936. It appears from the record that motors, like models of automobiles, are dated from the fall of one year to the fall of the next. Since it is apparent that the motors on those exhibits were made in the early fall of 1935 or until the fall of 1936, and it further appears that the fan assemblies were attached to said motors during the time when they were for current sale, and tests made shortly thereafter, we think there can be no question but that the construction, assembly and testing of the exhibits were made sometime at least during the year 1936, which is prior to appellee's filing date.

[2] For the reasons hereinbefore set out the decision of the Board of Appeals in appeal No. 4,776, interference No. 75,056, will be reversed.

Appeal No. 4,777—Interference No. 75,057

The same applications are involved here as in appeal No. 4,776, and appellant here relies on the same record as that made in that interference.

It appears that the present interference was not included in interference No. 75,056, appeal No. 4,776, for the reason that originally the parties were not the same, there having been additional contestants.

Here, as in appeal No. 4,776, appellee relies for conception and constructive reduction to practice on his filing date, February 27, 1937, which makes him the senior party, appellant's filing date being March 20, 1937.

Appellee introduced in evidence as his Exhibit 1 a copy of the printed "Record for Sperry" in interference No. 73,751. That interference involved related subject matter and included the party Sperry. The Examiner of Interferences would not consider that record since it was not introduced in accordance with rule 157 of the Rules of Practice, citing *Olson* v. *Pospeshil*, 50 App. D. C. 182, 269 Fed. 698, 283 O. G. 365. We are in full agreement with that decision of the Examiner.

There are two counts involved, which read as follows:

1. In combination, a heat exchange device comprising a housing, a radiator core disposed within said housing, and means for circulating air through the radiator core, said means comprising an outer fan driving air into said core and an inner fan withdrawing air from said core, and a ring on said core adjacent the fans and providing a barrier around the inlet from the core to the inner fan.

2. In combination, a heat exchange device comprising a housing, a radiator core disposed within said housing, and means for circulating air through the radiator core, said means comprising an outer fan driving air into said core and an inner fan withdrawing air from said core, said inner fan comprising an annular shell having vanes in its periphery for removing air from the interior of the shell and having an axial opening toward the core, and said outer fan comprising fan blades mounted on said shell outwardly of said axial opening.

It will be observed that count 1 in this interference corresponds to the count in appeal No. 4,776 with the added limitation of a ring on the core adjacent the fans and providing a barrier around the inlet from the core to the inner fan.

Count 2 also responds to the count in the former interference except for the limitations on the design of the blower and fan.

The counts of the present interference are thus more restricted than the count in appeal No. 4,776.

The Examiner of Interferences here stated that in the former interference the evidence of appellant was held

"inadequate to establish an actual reduction to practice of the count in issue primarily because of lack of evidence showing adequate testing"

and accordingly held that the same evidence relied on by appellant in this interference must also fail to establish actual reduction to practice of the subject matter of the present counts.

The Examiner found here that assembled Exhibits 4 and 5 and assembled Exhibits 2 and 3 each had a ring on the core as required by count 1. For a description of those exhibits reference is made to our decision in appeal No. 4,776.

The Examiner held that Exhibits 4 and 5 were evidently completed and assembled sometime during the latter part of November 1935 and that the assembly included all the limitations in counts 1 and 2 and was considered adequate evidence of conception of the involved invention as of January 10, 1936, the date alleged in appellant's preliminary statement.

The Examiner also held that Exhibit 6 with its associated core is a complete assembly of the invention described in count 2 and conception as to that count was therefore further accorded appellant on the basis of that exhibit as well as Exhibits 4 and 5, of the date January 10, 1936.

An examination of all the exhibits discloses that all of the limitations of the involved counts have been met in appellant's structure.

The Examiner refused to award appellant priority of invention in this interference for the same reason given for his decision in the former interference; namely, lack of evidence of adequate testing.

The Board affirmed the decision of the Examiner.

In view of our decision in appeal No. 4,776 in which we decided that appellant with respect to the assembly of Exhibits 4 and 5 and Exhibit 6 together with its associated heating core had actually reduced the invention to practice prior to the filing date of appellee we find here that the evidence with respect to the assembly and testing of Exhibits 4 and 5 and Exhibit 6 together with its associated heating core proved an actual reduction to practice of the invention defined in the involved counts prior to the earliest available date of appellee, and for that reason the decision in appeal No. 4,777, interference No. 75,057, will be reversed.

Appeal No. 4,778—Interference No. 75,058

In this appeal appellant is the senior party, having filed his application on march 20, 1937, it being the same application as that involved in the companion interferences, and appellee filed his application April 15, 1937. The same record for appellant is relied on here as in the companion appeals. Appellee also took testimony.

There are three counts involved, which read as follows:

1. In an automobile body heater, a substantially vertical forwardly facing radiator, a unitary fan member rotatably mounted about a substantially horizontal axis in back of said radiator, said unitary fan member including a centrifugal fan having a substantially circular extension thereon forming the centrifugal fan inlet, said unitary fan member also including blade members on said extending portion and extending radially outwardly beyond the outer periphery of said centrifugal fan, said blade members being positioned forwardly of said centrifugal fan, and a motor for driving said unitary fan member.

2. In an automobile body heater assembly, in combination, a radiator, an axial flow type of fan in back of said radiator for forcing air forwardly through said radiator, a centrifugal type of fan in back of said axial flow type of fan, means forming a conduit between said radiator and centrifugal fan passing centrally through said axial flow type of fan, and means for driving said fans.

3. As an article of manufacture, a fan unit comprising a substantially cylindrical portion having one of its ends substantially closed, longitudinally extending slots having vanes associated therewith in said cylindrical portion forming a centrifugal fan, said slots terminating short of the other end of said cylindrical member to provide an extension beyond said slots forming an inlet duct for said centrifugal fan, and outwardly directed blade members secured to said last named portion forming a propeller fan.

The Examiner of Interferences awarded January 30, 1937, to appellee as the date for his actual reduction of the invention to practice, which date is prior to appellant's filing date. We agree with that award. He held that the tests of appellant failed to show an adequate reduction to practice of the blower and fan assembly as defined by the counts prior to the date awarded appellee. While he made no mention of the structure of appellant's exhibits he seemingly conceded that the structural limitations of the counts were met by appellant's exhibits. An examination of such exhibits discloses that all of the limitations of the involved counts have been met in appellant's structure.

The Board of Appeals, one member thereof dissenting, affirmed the decision of the Examiner of Interferences. In its decision the Board considered that count 3 found no support in any of appellant's exhibits in that the longitudinally extending slots in the blower did not terminate short of the end of the centrifugal fan (blower) to provide an extension beyond the slots to form an inlet duct for said centrifugal fan. As heretofore noted, we are convinced that appellant's exhibits meet every structural limitation in the involved counts.

In our decision in the companion appeal No. 4,776 we held that the appellant had actually reduced his invention to practice during the year 1936 and since this is prior to the date of reduction to practice, January 30, 1937, awarded by the tribunals of the Patent Office to appellee herein, it follows that the appellant should be awarded priority of invention in this appeal.

Accordingly the decision of the Board of Appeals in appeal No. 4,778, interference No. 75,058, will be reversed.

The decisions of the Board of Appeals in appeals No. 4,776, No. 4,777 and No. 4,778 are reversed.

Reversed.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JUNE, 1944

EX PARTE KARL MALLARD, Serial No. 448,477.

In a decision rendered June 6, 1944 (166 Ms. Dec. 508, 61 U. S. P. Q. 525), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks, refusing to register the notation "Diviron" as a trade-mark for tablets composed of dicalcium phosphate, ironate and vitamin D (viosterol) for use as a supplementary treatment in cases of pregnancy and as an adjunct in secondary anemia resulting from pregnancy, on the application of Karl Mallard, of Detroit, Mich., on the ground that applicant's mark is confusingly similar to trade-marks "Glyco-Viron" and "All-Vi-Ron," both registered for merchandise of the same descriptive properties.

BOURJOIS, INC., *v.* PARFUMS SCHIAPARELLI, INC., Oppositions No. 23,009 and No. 23,042.

In a decision rendered June 6, 1944 (166 Ms. Dec. 511, 61 U. S. P. Q. 524), *First Assistant Commissioner Frazer* affirmed, in each case, the decision of the Examiner of Interferences on identical petitions in two trade-mark opposition proceedings seeking a review and revision of the ruling of the Examiner of Interferences sustaining the objections of the party Parfums Schiaparelli, Inc., to certain interrogatories propounded by Bourjois, Inc.

Parfums Schiaparelli, Inc., of New York, N. Y., applied for the registration of two slightly different trade-marks, both for perfumes, toilet waters, rouges, lipsticks, face cream, face powders, and dusting powders, and both claimed to have been used since September 17, 1943. Bourjois, Inc., of New York, N. Y., opposed on the ground that applicant's mark in each case is confusingly similar to marks that had been registered to opposer, for substantially identical merchandise, prior to applicant's claimed date of first use.

It was held that since, in its answers, applicant expressly admitted that the goods for which opposer's marks are registered possess the same descriptive properties as the goods for which applicant seeks registration, upon the pleadings the only question remaining to be determined is whether applicant's marks so nearly resemble either of opposer's marks as to be likely to confuse the public or to deceive purchasers.

In view of the extreme simplicity of the issue presented, the First Assistant Commissioner held that he was not prepared to hold that Examiner abused his discretion in sustaining applicant's objections to these interrogatories on the ground that none of the evidence sought to be adduced is material, noting as to one of the interrogatories that it relates to a matter for correction ex parte, and has no bearing on the alleged confusing similarity between applicant's marks and opposer's marks.

M. & W. THOMAS CORPORATION *v.* GOODALL WORSTED COMPANY, Opposition No. 21,612.

In a decision rendered June 10, 1944 (166 Ms. Dec. 514, 62 U. S. P. Q. 26), *Assistant Commissioner Van Arsdale* denied the petition of the applicant Goodall Worsted Company, of Sanford, Maine, that the decision of June 21, 1943 (552 O. G. 574), be rescinded in view of the fact that the opposer M. & W. Thomas Corporation, of New York, N. Y., had now consented to the granting of the registration which applicant has applied for and which opposer opposed successfully.

It was held that applicant apparently abandoned his appeal from the decision, whereupon the decision became final, so that at this late date it would be inappropriate to rescind the decision for the purpose stated.

It was further held that the decision ruled that applicant's mark was confusingly similar to the registered mark relied on by opposer in the opposition proceeding, so that registration of applicant's mark is thus precluded by the statutes.

THE GARLOCK PACKING COMPANY *v.* UNITED STATES GASKET COMPANY, Cancellation No. 4048.

In a decision rendered June 13, 1944 (166 Ms. Dec. 515, 62 U. S. P. Q. 27), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the petition of The Garlock Packing Company, of Palmyra, N. Y., to cancel trade-mark registration No. 386,873, issued April 22, 1941, under the provisions of the act of February 20, 1905, to United States Gasket Company, of Camden, N. J. Respondent's mark is the notation "Rol-Lock," registered for gaskets. It has been in use since November 12, 1940. Petitioner relies upon its ownership of the trade-mark "Garlock," used by petitioner since 1890, and numerously registered, alone and in combination with other features, for various articles of merchandise of the same descriptive properties as respondent's merchandise. It was first registered for gaskets on April 19, 1938. The parties have stipulated

"that the sole issue involved in this proceeding is whether the terms involved, namely, 'Garlock' and 'Rol-Lock,' are confusingly similar."

It was held that for the purposes of this proceeding the goods of the parties must be regarded as identical. It was held that, as applied to gaskets, the word "lock," though highly suggestive, is not merely descriptive.

It was held that "Garlock" and "Rol-Lock" differ in significance, and to a lesser extent in appearance; but in sound they are too nearly alike to be used concurrently on identical merchandise without likelihood of confusion; at least the question is not free from doubt, and in view of its long priority in the field, any doubt that may exist should be liberally resolved in petitioner's favor.

WILSON-IMPERIAL COMPANY *v.* G. W. ONTHANK COMPANY, Opposition No. 22,175.

In a decision rendered June 13, 1944 (166 Ms. Dec. 519, 62 U. S. P. Q. 28), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Wilson-Imperial Company, of Newark, N. J., to the application of G. W. Onthank Company, of Des Moines, Iowa, for registration of the word "Onco" as a trade-mark for

"cleaner, wax, and polish which are capable of cleaning, waxing, and polishing furniture, woodwork, and automobiles in one operation."

The mark is claimed to have been used since March 10, 1942. The opposition is predicated upon opposer's ownership of the trade-mark "O N C," registered January 18, 1921, and renewed, for

"a preparation for cleaning and removing all dirt, acid, and stains from varnished surfaces, such as the exterior or interior finish of railway coaches, streetcars, and like surfaces coated with varnish, paint, or enamel."

It was held that the goods of the parties are closely related merchandise of the same descriptive properties.

It was held that although applicant's mark is printed in outline script, while opposer's mark as registered is printed in block letters, so that the two differ in appearance, nevertheless, when spoken they sound very much alike; and even if applicant is correct in its assertion that the letters of opposer's mark are separately pronounced, they still spell the major portion of applicant's mark, so that it seems that the likelihood of confusion is too apparent to merit extended discussion.

EX PARTE THE NEW YORKER HOTEL CORPORATION, Serial No. 441,682.

In a decision rendered June 13, 1944 (166 Ms. Dec. 517, 62 U. S. P. Q. 26), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks declining registration of the notation "Protecto-Ray" on the application of The New Yorker Hotel Corporation, of New York, N. Y., as a trade-mark for ultraviolet ray sanitizing machines in Class 44, Dental, medical, and surgical appliances. The application was rejected by the Examiner of Trade-Marks in view of a prior registration of the trade-mark "Protexray" for "X-ray tubes for surgical or curative purposes." To overcome the reference applicant now seeks by amendment to shift its application to Class 21, Electrical apparatus, machines, and supplies.

It was held that the requested shift to class 21 would not change the character of applicant's goods, nor alter the pertinency of the reference, so that the proposed amendment was disapproved.

It was held that both articles are of a type that may reasonably be assumed to be manufactured by the same concern; and if sold under trade-marks so nearly identical as "Protexray" and "Protecto-Ray," there is at least a reasonable likelihood that confusion as to origin would result.

THE A. S. BOYLE COMPANY *v.* MARION FRANCIS KELLY, Opposition No. 21,933.

In a decision rendered June 15, 1944 (166 Ms. Dec. 520, 62 U. S. P. Q. 29), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of The A. S. Boyle Company, of Jersey City, N. J., to the application of Marion Francis Kelly, of Richmond, Indiana, for registration of a mark in the form of a large monogram composed of the letters "M" and "V," beneath which appear the words "Motor Vitamin" in separate lines, followed by the notation: "The A B C of Motor Performance." The words "Motor" and "Motor Performance" are disclaimed. The goods to which the mark is appropriated are described in the application as

"a liquid solvent particularly adapted for increasing motor performance."

Use is claimed since December 1, 1941. Opposer relies upon its ownership of a trade-mark registered May 12, 1942, but proved to have been used since April 1941, for

"a chemical solvent for increasing and improving the efficiency of lubricating oils by dissolving gum and sludge residues."

This mark comprises the word "Peptane," above the legend "The Oil Vitamin," printed in smaller letters and in a single line, and disclaimed "separately from the mark as shown."

It was held that for the purposes of this proceeding the goods described in the application are identical with the goods covered by opposer's registration.

It was held that without deletion of the words "Motor Vitamin" from applicant's drawing, the letters "MV" in applicant's mark as now presented, mean "Motor Vitamin," which expression is confusingly similar to the expression "The Oil Vitamin," which constitutes a prominent feature of opposer's mark, so that viewed in their entireties the two marks bear such resemblance as to be likely to confuse the public, when applied to identical merchandise of the character here involved.

EX PARTE AMERICAN WOOLEN COMPANY, Serial No. 461,836.

In a decision rendered June 17, 1944 (166 Ms. Dec. 523, 62 U. S. P. Q. 30), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks declining to register to American Woolen Company, of Boston, Mass., and New York, N. Y., the notation "Suede-Tone," under the provisions of the act of February 20, 1905, as a trade-mark for woolen piece goods. The Examiner had held that "suede" is defined as a particular color, and "tone" as meaning color.

After pointing out that "suede" has another meaning, namely, "a closely knitted or woven fabric, napped and shorn to simulate the surface of suede leather," it was held that in this latter sense the word "suede" is obviously descriptive, or misdescriptive, of the character or quality of applicant's goods, and by adding the word "tone," applicant has made the mark as a whole alternatively descriptive, or misdescriptive, as to color.

EX PARTE BROCKWAY GLASS COMPANY, INC., Serial No. 442,687.

In a decision rendered June 19, 1944 (166 Ms. Dec. 524, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Brockway Glass Company, Inc., of Brockway, Pa., the notation "Sani-Glas" as a trade-mark for glass bottles, in view of a prior registration of the trade-mark "Sanitop" for the same goods.

Although applicant argued that the marks were not confusingly similar, because the words "glas" and "top" are obviously different, and that the use of the letters "sani" is within the public domain, nevertheless, it was held that since the word "glas" in applicant's mark is purely descriptive, and has been disclaimed for that reason, the mark as a whole is nonregistrable under the act of 1905, unless the prefix "sani" be regarded as arbitrary. It was held that the two marks are so similar as to be likely to cause confusion; and abandonment of the registered mark not having been proven, and the registered mark remaining uncancelled, it stands as a statutory bar to the registration of confusingly similar marks for goods of the same descriptive properties.

EX PARTE GIBSON ELECTRIC REFRIGERATOR CORPORATION (GIBSON REFRIGERATOR COMPANY, ASSIGNEE, SUBSTITUTED), Serial No. 450,852.

In a decision rendered June 22, 1944 (166 Ms. Dec. 526, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register on the application of Gibson Electric Refrigerator Corporation (Gibson Refrigerator Company, Assignee, Substituted), of Greenville, Mich., the notation "Zero Locker," under the provisions of the act of February 20, 1905, as a trade-mark for mechanical refrigerators and cooling units for mechanical refrigerators, in view of four trade-marks previously registered for merchandise of the same descriptive properties, to each of which the Examiner deemed applicant's mark confusingly similar.

As to two of the marks relied upon by the Examiner, "Dry-Zero" and "Zero Body," it was held that in each of these marks the word "Zero" is no more capable of trade-mark significance than is the other word, and that neither word may properly be said to dominate.

As to the marks "Zero Tube" and "Zero-Plate" relied upon by the Examiner, in which the words "Tube" and "Plate" were disclaimed, it was held that the disclaimed words, like the disclaimed word "Locker" in applicant's mark, could indicate origin only in a very minor degree; that all three marks are thus necessarily dominated by the word "Zero;" and that registration of applicant's mark would result in confusion, or at least would add to such confusion as may already exist.

As to applicant's request for a ruling as to registrability of the mark under the act of 1920, it was held that since all of the registrations cited by the Examiner were issued under the act of 1905, those that constitute a bar to the application as now presented manifestly would prevent registration under the act of 1920.

SEARS, ROEBUCK AND CO. *v.* ARTCRAFT SPORTWEAR COMPANY, Opposition No. 22,281.

In a decision rendered June 22, 1944 (166 Ms. Dec. 529, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Sears, Roebuck and Co., of Chicago, Ill., to the application of Artcraft Sportwear Company, of New York, N. Y., for registration of a trade-mark for jackets, caps, mittens, infants' booties and bedroom slippers, both made of cloth, and mufflers for men, women, and children.

The mark sought to be registered consists in the words "Fuzzy Cubby," above which is the representation of a bear cub's head, and below which, in much smaller letters, is the notation "by Artcraft." Opposer relies upon its trade-mark "Fuzzy Wuzzy," which is registered for "house slippers formed of leather, fabric, and combinations thereof," and has been used on such articles since a time prior to applicant's alleged date of first use. In both marks the descriptive word "Fuzzy" is disclaimed.

Although the marks considered as a whole differ somewhat in appearance, it was held that applicant's mark is dominated by the expression "Fuzzy Cubby," and while this expression may not have the same significance as "Fuzzy Wuzzy," nevertheless, the marks are too nearly alike in both appearance and sound to be used concurrently on merchandise which is in part identical, without some likelihood of confusion.

EX PARTE THE RESERVE RESEARCH COMPANY, Serial No. 456,901.

In a decision rendered June 28, 1944 (166 Ms. Dec. 532, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register on the application of The Reserve Research Company, of Cleveland, Ohio, the word "Alutabs" as a mark for goods described in the application as

"a medicinal preparation in tablet form comprising a chemical mixture that, upon its addition to water, provides a finely dispersed colloid of aluminum hydroxide having the medicinal and the therapeutic properties of neutralizing hydrochloric acid in the digestive tract in the treatment of peptic ulcer and gastric hyperacidity."

The registered mark is the word "Alutone" for "a compound for the treatment of gastro-intestinal disturbances."

It was held that applicant's goods and the goods to which the registered mark is applied may well be identical.

It was held that "Alutabs" and "Alutone" are confusingly similar. While it may be true that the prefix "Alu," which is common to both marks, is an ordinary dictionary prefix of the word "aluminum," obviously the syllable "tabs" in applicant's mark, and the syllable "tone" in the mark of the registration, would be purely descriptive standing alone, and would be incapable of trade-mark significance. It is clear that the words "Alutabs" and "Alutone" bear a marked resemblance to each other in sound, appearance and meaning. The first syllable of each is identical, and the last syllables certainly suggest a characteristic of the goods.

E. I. DU PONT DE NEMOURS & COMPANY *v.* CELANESE CORPORATION OF AMERICA, Opposition No. 22,288.

In a decision rendered June 29, 1944 (166 Ms. Dec. 534, — U. S. P. Q. —), ***First Assistant Commissioner Frazer*** affirmed the action of the Examiner of Interferences sustaining the opposition of E. I. du Pont de Nemours & Company, of Wilmington, Del., to the application of Celanese Corporation of America, of New York, N. Y., for registration of the word "Celdura" as a trade-mark for "piece goods made wholly or partially of cellulose derivatives." Applicant claims to have used this mark since July 8, 1942. Opposer relied upon its ownership and use of the trade-mark "Cordura," which was registered July 23, 1935, for "viscose yarns, threads, and filaments." Applicant conceded that the goods of the parties, though specifically different, have the same descriptive properties within the meaning of the statute.

It was held that both marks would be regarded by many as purely arbitrary; and that viewed in their entirety, any significance they may suggest to others would be substantially the same; and that while the marks are not identical, they are too nearly alike to be used concurrently on merchandise of the same descriptive properties without some likelihood of confusion. At least the question is not free from doubt, and doubts must be resolved against the applicant.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 25, 1944

[VOL. 564. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 460,534. THE PERMANENTE METALS CORPORATION, Oakland, Calif. Filed May 10, 1943.



FOR MAGNESIA - CONTAINING PRODUCTS — NAMELY, CALCINED DOLOMITE, SEAWATER MAGNESIA, AND CALCINED MAGNESITE (SYNTHETIC) FOR USE IN THE INDUSTRIAL ARTS.
Claims use since Apr. 12, 1943.

Ser. No. 469,428. CALCIUM PRODUCTS, INC., Bunnell, Fla. Filed Apr. 18, 1944.

CALPRO

FOR COQUINA ROCK AND SHELL.
Claims use since Oct. 28, 1940.

Ser. No. 469,836. WILLIAM GREINER COMPANY, Chicago, Ill. Filed May 1, 1944. Under the act of Feb. 20, 1905, as amended June 10, 1938.



Applicant disclaims the word "Pig" apart from the mark.
FOR PIGSKIN LEATHER.
Claims use since Mar. 1, 1944.

Ser. No. 470,286. ALCO OIL AND CHEMICAL CORP., Philadelphia, Pa. Filed May 16, 1944.

ALCOFLEX

FOR SYNTHETIC RESINS.
Claims use since Oct. 9, 1942.

Ser. No. 470,287. ALCO OIL AND CHEMICAL CORP., Philadelphia, Pa. Filed May 16, 1944.

PENTEX

FOR SYNTHETIC RUBBER.
Claims use since Apr. 18, 1944.

Ser. No. 470,288. ALCO OIL AND CHEMICAL CORP., Philadelphia, Pa. Filed May 16, 1944.

BUTEX

FOR SYNTHETIC RUBBER.
Claims use since May 9, 1944.

CLASS 2

RECEPTACLES

Ser. No. 469,094. RELIANCE MERCHANDISE COMPANY, Chicago, Ill. Filed Apr. 6, 1944.

MISS LIBERTY

FOR VANITY CASES MADE OF BASE METALS SOLD IN TRADE EMPTY.
Claims use since July 1, 1943.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 469,545. LUXOR LEATHERCRAFT CORPORATION, New York, N. Y. Filed Apr. 21, 1944.

LUXOR

FOR WARDROBE TRUNKS, BRIEFCASES, HAND LUGGAGE—NAMELY, SUITCASES, VALISES AND PORTFOLIOS, BILLFOLDS, KEY CASES, WALLETS, PASS CASES, LADIES' HANDBAGS, CHANGE PURSES, TOILET CASES AND MAKE-UP KITS.
Claims use since Apr. 18, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 467,896. MILKMAID INC., Paterson, N. J. Filed Mar. 1, 1944.

MILKMAID

Applicant is the owner of registrations #382,158, dated Oct. 15, 1940, #386,091, dated Mar. 25, 1941, and #406,514, dated Apr. 11, 1944.
FOR SOAP—NAMELY, TOILET SOAP.
Claims use since Oct. 16, 1941.

Ser. No. 469,511. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Apr. 20, 1944.



No claim is made for any particular color, and the shading is for the purpose of indicating the general appearance of the mark. Any lettering other than the word "Oxydol" is disclaimed as part of the trade-mark. Applicant disclaims the representation of a carton per se.
FOR SOAP.
Claims use since Mar. 19, 1930.

Ser. No. 469,573. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Apr. 22, 1944.

GRIT-LOK

No claim is made to the word "Grit" apart from the mark.
FOR COATED ABRASIVES.
Claims use since Jan. 14, 1944.

CLASS 5

ADHESIVES

Ser. No. 470,074. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 9, 1944.

GATEX

FOR RUBBER CEMENT.
Claims use since Nov. 8, 1943.

Ser. No. 470,230. REICHHOLD CHEMICALS, INC., Detroit, Mich. Filed May 13, 1944.

PLYOPHEN

FOR SYNTHETIC PLASTIC RESINS AND SOLUTIONS CONTAINING THE SAME FOR BONDING, LAMINATING, AND ADHESIVE PURPOSES.
Claims use since Dec. 12, 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 463,077. ABRAHAM T. LEVY, doing business as Plaskin Chemical Co., New York, N. Y. Filed Aug. 28, 1943.



FOR PREPARATION FOR MEDICINAL AND COSMETIC TREATMENT OF THE SKIN USED AS A COVER OR COATING FOR AN INJURED OR AFFECTED PORTION OF THE SKIN TO OBLITERATE THE APPEARANCE OF A WOUND, SCAR, OR BLEMISH.
Claims use since Aug. 18, 1943.

Ser. No. 463,413. BRONDOW CHEMICAL CO., New York, N. Y. Filed Sept. 15, 1943.



The word "Pine" is disclaimed apart from the mark
FOR CLEANSER DISINFECTANTS.
Claims use since Oct. 28, 1940.

Ser. No. 464,016. D-W PRODUCTS, INCORPORATED, Denver, Colo. Filed Oct. 9, 1943.



Applicant disclaims the representation of the label and also the words "Ferri" and "Vitamin B_1" apart from the mark. The drawing is lined for green.
FOR PROPRIETARY MEDICINE DESIGNED AND RECOMMENDED AS A HEMATINIC FOR THE TREATMENT OF SECONDARY ANEMIA AND AS A RECONSTRUCTIVE TONIC IN CONVALESCENT CASES SHOWING A LOWERED RED BLOOD COUNT.
Claims use since Feb. 12, 1940.

Ser. No. 465,739. THE DICALITE COMPANY, Los Angeles, Calif. Filed Dec. 13, 1943.

PRO-DRY

No claim is laid to the word "Dry" other than as shown.
FOR COMPOSITIONS FOR DEHUMIDIFYING AIR AND OTHER GASES.
Claims use since Nov. 29, 1943.

Ser. No. 466,540. PARFUMS BLANCHARD, New York, N. Y. Filed Jan. 13, 1944.

PLAID

FOR PERFUMES, TOILET WATERS, BATH POWDERS, AND SKIN LOTIONS.
Claims use since April 1936.

Ser. No. 468,016. AVON PRODUCTS, INC., New York, N. Y. Filed Mar. 7, 1944.

TARGET RED

No claim is made to the word "Red" apart from the mark.
FOR NAIL POLISH, COMPACT ROUGE, AND LIPSTICKS.
Claims use since Feb. 16, 1944.

Ser. No. 468,072. LOUISE FABISH, doing business as Seron, New York, Forest Hills, Long Island, N. Y. Filed Mar. 8, 1944.

SÉRON

GEORGETTE
FOR PERFUMES, TOILET WATER.
Claims use since December 1940.

Ser. No. 468,363. BALLARDE, INC., New York, N. Y. Filed Mar. 17, 1944.

ALEXA

FOR PERFUMES.
Claims use since Feb. 8, 1944.

Ser. No. 468,598. DAY CHEMICAL CO., Newark, N. J. Filed Mar. 24, 1944.

TOTAVITES

FOR VITAMIN PREPARATION.
Claims use since June 1941.

Ser. No. 468,746. IRVING N. DONNIN, doing business under the trade name and style of El Encanto, Miami Beach, Fla. Filed Mar. 28, 1944.

pour la femme que j'aime

FOR PERFUMES, COLOGNES, LOTIONS IN THE FORM OF A DILUTED PERFUME STRONGER IN ESSENTIAL OIL THAN COLOGNE.
Claims use since Dec. 15, 1943.

Ser. No. 468,828. BEVERSTEIN MEDICAL COMPANY, Elkhart, Ind. Filed Mar. 30, 1944.

BEVERSTEIN



The facsimile signature and photograph are those of Daniel E. Beverstein, deceased, founder of the business.
FOR COUGH SYRUP AND FOR OINTMENT FOR USE IN TREATING CROUP, BRONCHIAL COUGHS, COMMON COLDS AND GALLING.
Claims use since Sept. 1, 1925.

Ser. No. 469,004. THE CHRISALTY LABORATORIES, INC., Newark, N. J. Filed Apr. 4, 1944.

TYPOTIN

FOR VITAMIN PREPARATION.
Claims use since Feb. 29, 1944.

Ser. No. 469,015. NUODEX PRODUCTS CO., INC., Elizabeth, N. J. Filed Apr. 4, 1944.

CORDEX

FOR COMPOSITION FOR THE PRESERVATIVE TREATMENT OF CELLULOSIC MATERIALS SUCH AS ROPE, FISH NETS, TEXTILES, CORD, TWINE.
Claims use since Mar. 2, 1944.

Ser. No. 469,211. NELORE COMPANY, Chicago, Ill. Filed Apr. 10, 1944.

NELORE

The word "Preparation" is disclaimed.
FOR OINTMENT FOR THE TREATMENT OF PSORIASIS.
Claims use since Mar. 3, 1944.

Ser. No. 469,245. CHASERS, INC., New York, N. Y. Filed Apr. 12, 1944.

O.C.

FOR MINTS CONTAINING VITAMIN B_1.
Claims use since Mar. 15, 1944.

Ser. No. 469,279. LIONEL G. ROTHSCHILD, doing business as Lenel Company, Dallas, Tex. Filed Apr. 12, 1944.

TRIFLING

FOR COLOGNE.
Claims use since Mar. 14, 1944.

Ser. No. 469,408. DONALD R. MACESLIN, doing business as MacEslin and Company, York, Pa. Filed Apr. 17, 1944.

TRI-CAPS

FOR PREPARATION FOR THE RELIEF OF HEADACHE, MINOR NEURALGIAS, MUSCULAR ACHES, AND COLDS.
Claims use since Mar. 1, 1944.

Ser. No. 469,582. SAMUEL WAINGER, doing business as Flur-O-Dent Company, Detroit, Mich. Filed Apr. 22, 1944.

FLUR-O-DENT

The word "Dent" is disclaimed apart from the mark.
FOR DENTIFRICE.
Claims use since Mar. 30, 1944.

Ser. No. 469,724. DUREX PRODUCTS, INC., New York, N. Y. Filed Apr. 27, 1944.

CONTRAGENE

FOR ANTISEPTIC VAGINAL JELLY.
Claims use since January 1939.

Ser. No. 469,776. LITTLEJOHN & CO., INC., New York, N. Y. Filed Apr. 28, 1944.

GANEX

FOR LIQUID TANNING EXTRACT.
Claims use since Apr. 12, 1944.

Ser. No. 469,809. DOME CHEMICALS INCORPORATED, New York, N. Y. Filed Apr. 29, 1944.

PROTINEX

FOR PREPARATIONS FOR COUNTERACTING PROTEIN AND VITAMIN B DEFICIENCIES.
Claims use since Apr. 14, 1944.

Ser. No. 469,817. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Filed Apr. 29, 1944.

SORATENE

FOR ANTISEPTIC AND ANALGESIC, AND SPECIFICALLY A PREPARATION FOR THE RELIEF OF DISCOMFORT DUE TO ATHLETE'S FOOT, SIMPLE MUSCULAR ACHES AND PAINS, MINOR SPRAINS AND BRUISES, MOSQUITO BITES AND STINGS OF SMALL INNOCUOUS INSECTS, AND AS A RUBDOWN AFTER EXERCISE.
Claims use since Apr. 25, 1944.

Ser. No. 469,921. WYETH INCORPORATED, Philadelphia, Pa. Filed May 3, 1944.

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FOR DRIED SERUM INTENDED FOR USE IN BIOLOGIC TESTS OR FOR SUBCUTANEOUS INTERMUSCULAR OR INTRAVENOUS INJECTION FOR THE TREATMENT OF HUMAN AND ANIMAL DISEASES, SUCH AS ANTI-ANTHRAX SERUM; ANTI-DIPHTHERITIC SERUM; ANTI-TETANIC SERUM; ANTI-GAS GANGRENE SERUM; ANTI-STAPHYLOCOCCIC SERUM; ANTI-STREPTOCOCCIC SERUM; ANTI-DYSENTERIC SERUM; ANTI-MENINGOCOCCIC SERUM; ANTI-STREPTOCOCCIC SCARLATINAL SERUM; ANTI-TULAREMIC SERUM; ANTI-PNEUMOCOCCIC SERUM; ANTI-HEMORRHAGIC SEPTICEMIA SERUM; ANTI-HOG CHOLERA SERUM; ANTI-BLACKLEG SERUM; ANTI-EQUINE ENCEPHALOMYELITIS SERUM; ANTI-WHITE SCOUR SERUM; DRIED, POOLED HUMAN SERUM AND PLASMA; DRIED GUINEA PIG COMPLEMENT; PENICILLIN; AND ALLERGENS.
Claims use since July 10, 1943.

Ser. No. 469,941. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 4, 1944.

Kryocide D-50

FOR INSECTICIDES.
Claims use since Feb. 11, 1944.

Ser. No. 470,088. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed May 9, 1944. Under section 5b of the act of 1905 as amended in 1920.

FLEISCHMANN'S

FOR VITAMINIC WAFERS ADAPTED FOR USE AS AN ENRICHING INGREDIENT IN DOUGH FOR MAKING BREAD OR OTHED BAKED PRODUCTS.
Claims use since Apr. 3, 1943.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 470,639. REXON INC., New York, N. Y. Filed May 25, 1944.

REXOR

FOR CIGARETTE AND CIGAR HOLDERS, CIGARETTE AND CIGAR CASES, PIPES, PIPE CASES, HUMIDORS, TOBACCO POUCHES, AND ASH TRAYS.
Claims use since Mar. 30, 1944.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 464,630. H. KIRK WHITE AND COMPANY, Oconomowoc, Wis. Filed Nov. 2, 1943.

KODE INK

The word "Ink" is disclaimed apart from the mark.
FOR DEVELOPING ETCHING INK.
Claims use since May 1, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 457,307. BEACON STEEL PRODUCTS CO. INC., New York, N. Y. Filed Dec. 10, 1942.

Beacon

FOR HOLLOW PIER FORMS FOR CONCRETE OR THE LIKE FORMED FROM CHIPBOARD OR LIKE FIBROUS MATERIAL.
Claims use since Feb. 20, 1942.

Ser. No. 459,444. TRUSCON STEEL COMPANY, Youngstown, Ohio. Filed Mar. 27, 1943.

DURA-WAR

FOR WOOD WINDOWS.
Claims use since Dec. 8, 1942.

Ser. No. 462,812. CERTAIN-TEED PRODUCTS CORPORATION, Chicago, Ill. Filed Aug. 18, 1943.

PATROL

FOR SHEET MATERIAL OF FELT BASE SATURATED WITH A BITUMINOUS SATURANT AND USED AS ROOFING, SIDING, AND SHEATHING.
Claims use since Mar. 3, 1922.

Ser. No. 465,588. TIMBER ENGINEERING COMPANY, Washington, D. C. Filed Dec. 6, 1943.

TECO-LOCK

The word "Lock" is disclaimed apart from the mark.
FOR FASTENINGS MADE OF WOOD EMPLOYED IN TIMBER CONNECTIONS—NAMELY, DOWELS, KEYS, MORTISES, TENONS, AND SPINDLE LOCKS.
Claims use since Sept. 1, 1943.

Ser. No. 466,257. THE GILMAN BROTHERS CO., Gilman, Conn. Filed Jan. 1, 1944.

CELLULITE

FOR FIBROUS COTTON HEAT AND SOUND INSULATING MATERIAL.
Claims use since July 1, 1943.

Ser. No. 466,371. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y. Filed Jan. 7, 1944.
The word "Lock" per se is disclaimed.

SPEAR-LOCK

FOR FELT BASE SHINGLES.
Claims use since May 28, 1943.

Ser. No. 467,185. CERTAIN-TEED PRODUCTS CORPORATION, Chicago, Ill. Filed Feb. 5, 1944.

SENTINEL

FOR SHEET MATERIAL OF FELT BASE SATURATED WITH A BITUMINOUS SATURANT AND USED AS ROOFING, SIDING, AND SHEATHING.
Claims use since October 1915.

Ser. No. 468,165. SKUTTLE MANUFACTURING COMPANY, Detroit, Mich. Filed Mar. 10, 1944.

DURASTAC

FOR FABRICATED CHIMNEYS FOR FUEL BURNING APPARATUS.
Claims use since July 10, 1941.

Ser. No. 468,289. INDUSTRIAL RAW MATERIALS CORPORATION, New York, N. Y. Filed Mar. 14, 1944.

INDRALATUM

FOR WAX PREPARED FOR SEALING CRACKS IN CONCRETE.
Claims use since Dec. 11, 1943.

Ser. No. 468,293. INDUSTRIAL RAW MATERIALS CORPORATION, New York, N. Y. Filed Mar. 14, 1944.

VELATRUM

FOR WAX PREPARED FOR SEALING CRACKS IN CONCRETE.
Claims use since Dec. 11, 1943.

Ser. No. 468,325. JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis. Filed Mar. 15, 1944.

WINDOR

FOR FARM BUILDING DOORS.
Claims use since Mar. 1, 1944.

Ser. No. 468,787. GARCO PRODUCTS, INC., Connoquenessing, Pa. Filed Mar. 29, 1944.

GARCOLITE

FOR COMMINUTED MIXTURE OF SILICA AND GLASS ESPECIALLY SUITABLE AS AN ADDITIVE FOR CONCRETE MIXES.
Claims use since Aug. 28, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 463,594. CONTINENTAL CAN COMPANY, INC., New York, N. Y. Filed Sept. 23, 1943.

DIXIE CANNER CO.

DIXIE

No claim is made to the words "Canner Co." except as shown.
FOR POWER AND MANUALLY OPERATED PRESSURE COOKERS AND CANNING RETORTS.
Claims use since 1930.

Ser. No. 464,733. LANDON P. SMITH, INC., Irvington, N. J. Filed Nov. 4, 1943.

Red Devil

Applicant is the owner of the following registrations: No. 144,940 of July 19, 1921; No. 169,874 of July 3, 1923; No. 335,645 of June 6, 1936.
FOR WEDGES FOR TOOL HANDLES.
Claims use since September 1937.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 466,587. RIGID-TEX CORPORATION, Buffalo, N. Y. Filed Jan. 14, 1944.

RIGID-TEX

The word "Rigid" is disclaimed apart from the mark.
FOR STRUCTURALLY REINFORCED FERROUS AND NON-FERROUS METAL SHEETS.
Claims use since July 8, 1940.

Ser. No. 469,883. WYNDALE MANUFACTURING CORPORATION, Indianapolis, Ind. Filed May 2, 1944.

WYNDALOY

FOR METALS—NAMELY, MANGANESE, COPPER AND NICKEL ALLOYS, USED FOR MAKING WIRES, PRECISION RESISTANCE ELEMENTS, FOR WINDING RESISTORS, CASTINGS, FORGINGS, FURNACE ELEMENTS, AND FOR PURPOSES WHERE A METAL OF HIGH ELECTRICAL, HEAT AND CORROSION RESISTANCE IS REQUIRED.
Claims use since Mar. 20, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 462,461. THE PORCELAIN ENAMEL & MFG. CO. OF BALTIMORE, doing business as The Porcelain Enamel & Mfg. Co., Baltimore, Md. Filed Aug. 2, 1943.

PERMARINE

FOR FIREPROOF INORGANIC CERAMIC COATING COMPOSITION FOR SHIPS, PIERS, PILES, MARINE FURNITURE, AND OTHER WOODEN, METAL AND SYNTHETIC STRUCTURES WHICH ARE SUBJECTED TO THE DESTRUCTIVE ACTION OF SALT WATER, BACTERIA AND ANIMAL LIFE, AND VEGETABLE OR MARINE GROWTHS PRESENT IN SALT AND FRESH WATER.
Claims use since Apr. 30, 1943.

Ser. No. 469,091. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed Apr. 6, 1944.

SATIN-LUX

FOR DRY AND READY MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES.
Claims use since Mar. 10, 1944.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 463,989. CHRYSLER CORPORATION, Highland Park, Mich. Filed Oct. 8, 1943.

CHRYSLER SEA MOTOR MARINE TRACTOR

No claim is made to the words "Marine Tractor" and "Chrysler" apart from the mark.
FOR MARINE TUG.
Claims use since July 12, 1943.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 469,444. SQUARE D COMPANY, Detroit, Mich. Filed Apr. 18, 1944.

CIRCUTROL

FOR ELECTRIC MOTOR-LIKE UNITS USABLE AS INDUCTION REGULATORS, CONTROLLABLE VOLTAGE MODULATORS, ALTERNATORS, PHASE SHIFTERS, AND ROTATABLE TRANSFORMERS.
Claims use since Feb. 7, 1944.

Ser. No. 470,549. WICO ELECTRIC COMPANY, West Springfield, Mass. Filed May 23, 1944.

BANTAMAG

FOR MAGNETOS.
Claims use since May 12, 1944.

Ser. No. 470,630. PRESS WIRELESS, INC., Chicago, Ill. Filed May 25, 1944.

PREWI

FOR RADIO TRANSMITTERS AND COMPONENT PARTS THEREOF.
Claims use since Apr. 13, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 468,866. SAMUEL C. BRODY, Cambridge, Mass. Filed Mar. 31, 1944.

JIM DANDY

FOR NOISE-MAKERS IN THE FORM OF TOY FIREARMS.
Claims use since March 1943.

Ser. No. 470,745. SUNSET LINE & TWINE CO., San Francisco, Calif. Filed May 27, 1944.

Marina cuttyhunk

The word "Cuttyhunk" is disclaimed apart from the marking shown.
FOR FISHING LINES.
Claims use since June 1934.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 461,033. JACK C. HONHART, doing business as Atlas Welding Accessories Company, Detroit, Mich. Filed May 31, 1943.

ATLAS

No claim is made to the representation of the tools and the words "Proved Practical Welding Accessories" apart from the mark.

FOR WELDING ACCESSORIES — NAMELY, WELD CLEANING TOOLS OF A CHARACTER EMBRACING A CHIPPING EDGE AND A WIRE BRISTLE BRUSH, WELD MARKING SYMBOLS IN THE NATURE OF A DIE AND WELD CHIPPING HAMMERS.

Claims use since September 1940.

Ser. No. 469,348. STOCKLAND ROAD MACHINERY CO., Minneapolis, Minn. Filed Apr. 14, 1944.

HYDRO-SCOOP

The word "Scoop" is disclaimed apart from the mark.

FOR EARTH HANDLING SCOOPS.

Claims use since Aug. 23, 1940.

Ser. No. 469,690. MOTT STEEL PRODUCTS COMPANY, Detroit, Mich. Filed Apr. 26, 1944.

RED HEAD

FOR TOOLS ADAPTED TO HOLD ELECTRODES DURING AN ELECTRIC WELDING OPERATION.

Claims use since Jan. 21, 1944.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 469,108. H. A. ASTLETT & CO., New York, N. Y. Filed Apr. 7, 1944.

ASTLAMAR

FOR LAUNDRY WASHING MACHINES.

Claims use since December 1943.

Ser. No. 469,851. TEXTILE MILLS, Chicago, Ill. Filed May 1, 1944.

TEX-KNIT

Applicant disclaims the word "Knit" apart from the mark.

FOR IRONING BOARD PADS AND IRONING BOARD COVERS.

Claims use since June 1, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 460,397. WM. AINSWORTH & SONS, INC., Denver, Colo. Filed May 4, 1943.



FOR ASSAY BALANCES, ANALYTICAL BALANCES, AND PARTS AND ACCESSORIES THEREFOR; BALANCE WEIGHTS AND POCKET TRANSITS.

Claims use since Apr. 1, 1943.

Ser. No. 465,971. THE AMERICAN PLATINUM WORKS, Newark, N. J. Filed Dec. 22, 1943.

APW

FOR CRUCIBLES, DISHES, PANS, ELECTRODES, AND BEAKERS, FOR SCIENTIFIC AND LABORATORY USES.

Claims use since January 1906.

Ser. No. 469,231. LOOK, INCORPORATED, Des Moines, Iowa. Filed Apr. 11, 1944.

LOOK

FOR MOTION PICTURE FILMS, SOUND FILMS, COMBINED SOUND AND MOTION PICTURE FILMS, CONTAINERS FOR SENSITIZED FILM AND MOTION PICTURE FILM, AND MOTION PICTURE FILMS FOR USE IN CONNECTION WITH SYNCHRONIZED APPARATUS FOR SIMULTANEOUSLY REPRODUCING COORDINATED LIGHT AND SOUND EFFECT.

Claims use since Oct. 7, 1943.

Ser. No. 470,624. HERMAN MILLMAN, New York, N. Y. Filed May 25, 1944.

DEVEL OMATIC

FOR PHOTOGRAPHIC DEVELOPING RACKS.

Claims use since Feb. 18, 1944.

Ser. No. 470,782. N. A. WOODWORTH COMPANY, Ferndale, Mich. Filed May 29, 1944.

W

FOR THREAD PLUG GAGES, CYLINDRICAL PLUG GAGES, THREAD RING GAGES, PLAIN RING GAGES, AND SPECIAL GAGES MANUFACTURED TO CUSTOMERS' SPECIFICATIONS.

Claims use since Mar. 2, 1944.

Ser. No. 470,787. BACHMANN BROS., INC., Philadelphia, Pa. Filed May 30, 1944.

Foldaway

FOR GOGGLES.

Claims use since May 12, 1944.

Ser. No. 470,884. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed June 3, 1944.

SPEEDEX

FOR SENSITIZED PHOTOGRAPHIC PAPER.

Claims use since January 1939.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 458,564. BELL WATCH COMPANY, New York, N. Y. Filed Feb. 16, 1943.

BELL

Guarantee

No claim is made to the word "Guarantee" apart from the mark.

FOR WATCHES.

Claims use since Jan. 4, 1943.

Ser. No. 469,999. MOVADO WATCH AGENCY, INC., New York, N. Y. Filed May 6, 1944.

CALENDETTE

Applicant is the owner of Reg. No. 407,090.

FOR WATCHES.

Claims use since Apr. 28, 1944.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 459,249. ALGOMA PRODUCTS, Detroit, Mich. Filed Mar. 22, 1943.

FROSTRODE

The drawing is lined for shading only. The representation of the name plate per se apart from the name "Frostrode" is disclaimed.

FOR REFRIGERATION APPARATUS PARTICULARLY DESIGNED FOR SUPPLYING COOLANT TO THE ELECTRODE ASSEMBLIES OF RESISTANCE WELDING APPARATUS.

Claims use since Feb. 18, 1942.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 468,351. THE SENTRY COMPANY, Foxboro, Mass. Filed Mar. 16, 1944.

Sentry

FOR FURNACES (ELECTRICALLY HEATED) FOR HEAT TREATMENT AND MELTING OF METAL AND PARTS THEREOF AND MUFFLES, CHAMBERED CARBONACEOUS BLOCKS, COMBUSTION TUBES, AND TRAYS FOR USE WITH SUCH FURNACES.

Claims use since 1927 on furnaces; and since about 1928 on muffles, blocks and trays.

CLASS 37

PAPER AND STATIONERY

Ser. No. 470,011. THE VERTICAL VISIBLE RECORDS CORPORATION, Newark, N. J. Filed May 6, 1944.

VVR

FOR RECORD CARDS CONTAINING PRINTED BLANK FORMS.

Claims use since Mar. 29, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 452,528. JOHN T. GILLILAND, Brooklyn, N. Y. Filed Apr. 23, 1942.

KNICKERBOCKER PICTURES

The word "Pictures" is disclaimed apart from the mark.
FOR COMMERCIAL PHOTOGRAPHS.
Claims use since February 1932.

Ser. No. 456,320. MINNESOTA PAPER AND CORDAGE CO., Minneapolis, Minn. Filed Oct. 21, 1942.

OUT OF

OUR HOUSE

FOR PERIODICAL PUBLICATION.
Claims use since Aug. 15, 1942.

Ser. No. 460,280. YALE DAILY NEWS, New Haven, Conn. Filed Apr. 29, 1943. Under 10-year proviso.

Yale Daily News

The parallel lines do not indicate color.
FOR NEWSPAPERS.
Claims use since Jan. 28, 1878.

Ser. No. 461,029. WESTERN CARTRIDGE COMPANY, New Haven, Conn. Filed May 29, 1943. Under section 5b of the act of 1905 as amended in 1920 as to "Winchester."

WINCHESTER LIFE

FOR PERIODICAL PUBLICATIONS.
Claims use since Apr. 1, 1942.

Ser. No. 466,583. KALS, INC., New York, N. Y. Filed Jan. 14, 1944.

KALS

FOR HOT IRON TRANSFERS.
Claims use since June 1, 1943.

Ser. No. 467,512. MARQUIS W. CHILDS, Washington, D. C. Filed Feb. 18, 1944.

Washington Calling

By Marquis Childs

The words "Washington" and "By Marquis Childs" are disclaimed apart from the mark.
FOR DAILY NEWSPAPER COLUMN.
Claims use since Feb. 14, 1944.

Ser. No. 469,029. WHITING-PLOVER PAPER CO., Stevens Point, Wis. Filed Apr. 4, 1944.

the letterhead clinic

FOR BOOKLET PUBLISHED FROM TIME TO TIME.
Claims use since 1936.

Ser. No. 469,165. NATIONAL ASSOCIATION OF PERSONNEL DIRECTORS, Chicago, Ill. Filed Apr. 8, 1944.

NATIONAL ASSOCIATION PERSONNEL DIRECTORS

The portraits forming a part of the mark are fanciful. No claim is made to the map of the United States alone.
FOR PUBLICATION ISSUED MONTHLY ON GENERAL INDUSTRIAL RELATIONS AND PARTICULARLY ON RELATIONS BETWEEN EMPLOYER AND EMPLOYEE.
Claims use since Mar. 10, 1943.

Ser. No. 469,458. BRYAN DAVIS PUBLISHING COMPANY, INC., New York, N. Y. Filed Apr. 19, 1944.

AMATEUR COMMUNICATIONS

FOR MONTHLY MAGAZINE.
Claims use since Jan. 24, 1944.

Ser. No. 469,740. CHARLES H. STROMAN, Claymont, Del. Filed Apr. 27, 1944.

THE SMILIN' HARRY WAY

FOR PRINTED MUSIC AND SONG SHEETS ISSUED FROM TIME TO TIME.
Claims use since Mar. 17, 1944.

Ser. No. 469,766. THE HEARST CORPORATION, New York, N. Y. Filed Apr. 28, 1944.

Mme. Qui Vive

FOR NEWSPAPER SECTION OR DEPARTMENT.
Claims use since Nov. 2, 1925.

Ser. No. 469,859. NATIONAL COMMITTEE ON HOUSING, INC., New York, N. Y. Filed Feb. 21, 1944.

TOMORROW'S TOWN

FOR PUBLICATION, WHICH PUBLICATION COVERS NEWS ON POST-WAR HOUSING CONSTRUCTION AND CITY PLANNING INCLUDING SUCH SUBJECTS AS TAXATION, METHODS OF CONSTRUCTION, FINANCING, ETC., AND WHICH IS ISSUED MONTHLY.
Claims use since Apr. 2, 1943.

Ser. No. 469,907. IVAN MUNROE, Tallahassee, Fla. Filed May 3, 1944.

THE ARMY WAY

FOR COMIC STRIP DRAWINGS.
Claims use since Apr. 10, 1944.

Ser. No. 469,908. IVAN MUNROE, Tallahassee, Fla. Filed May 3, 1944.

THE MILITARY WAY

FOR COMIC STRIP DRAWINGS.
Claims use since Apr. 12, 1944.

Ser. No. 469,909. IVAN MUNROE, Tallahassee, Fla. Filed May 3, 1944.

THE NAVY WAY

FOR COMIC STRIP DRAWINGS.
Claims use since Apr. 11, 1944.

CLASS 39

CLOTHING

Ser. No. 460,259. GEM HOSIERY COMPANY, New York, N. Y. Filed Apr. 29, 1943.

GEM

FOR HOSIERY.
Claims use since 1922.

Ser. No. 467,122. CURTIS-STEPHENS-EMBRY CO., Reading, Pa. Filed Feb. 3, 1944.

GIRL GUIDES

The word "Girl" is disclaimed apart from the mark.
FOR GIRLS' SHOES MADE OF LEATHER AND FABRIC.
Claims use since Jan. 25, 1944.

Ser. No. 469,150. COLE OF CALIFORNIA, INC., Los Angeles, Calif. Filed Apr. 8, 1944.

Swooner

FOR DRESSES, BATHING SUITS, SWIMMING SUITS, PLAY-SUITS, OUTER SKIRTS, OUTER SHIRTS, BLOUSES, HATS, TURBANS, SHOES MADE OF FABRIC, OR OF FABRIC AND LEATHER, OR OF FABRIC AND RUBBER; GLOVES OF LEATHER OR OF FABRIC; HANDKERCHIEFS, SCARVES, STOCKINGS, BOBBY-SOCKS; AND LINGERIE—NAMELY, SLIPS, PANTIES, AND BRASSIÈRES; PAJAMAS, NIGHTGOWNS, NEGLIGEES, HOUSE-COATS, APRONS, SLACKS AND SLACK-SUITS, ALL BEING INTENDED FOR WEAR BY WOMEN, CHILDREN, AND MISSES.
Claims use since Mar. 17, 1944.

Ser. No. 469,346. HARRY SCHARFER, doing business as French Importing Company, Chicago, Ill. Filed Apr. 14, 1944.

3-IN-1

FOR HAIR NETS.
Claims use since Mar. 10, 1943.

Ser. No. 469,519. M. & S. SOLOMON, New York, N. Y. Filed Apr. 20, 1944.

COLLEGESET

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, WRAPS, AND RAINCOATS.
Claims use since Mar. 20, 1944.

Ser. No. 469,636. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Apr. 25, 1944.

twin features

ADLER-ROCHESTER'S BLENDED PAIR

Applicant disclaims the wording "Adler-Rochester's Blended Pair" apart from the mark.
FOR MEN'S AND BOYS' TOPCOATS AND OVERCOATS AND SUITS.
Claims use since Jan. 1, 1943.

Ser. No. 469,680. THE LEVENSON COMPANY, Boston, Mass. Filed Apr. 26, 1944.



The words "Tailored to Perfection" are disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' COATS.
Claims use since Feb. 4, 1944.

Ser. No. 469,775. LITTLE SPORT TOG MFG. CO., New York, N. Y. Filed Apr. 28, 1944.



The picture is fanciful. The word "Kiddy" is disclaimed apart from the mark.
FOR BOYS', GIRLS', CHILDREN'S, AND INFANTS' WASH SUITS AND WASH DRESSES, COVERALLS, PLAY SUITS, BEACH, LOUNGING, AND BATH ROBES, AND SPORT JACKETS.
Claims use since Jan. 26, 1943.

Ser. No. 469,968. NEWTON J. RICE, doing business as Wimelbacher & Rice, New York, N. Y. Filed May 5, 1944.

COVISUEDE

FOR FABRIC GLOVES.
Claims use since Jan. 27, 1944.

Ser. No. 470,024. JACK GEIST & Co., New York, N. Y. Filed May 8, 1944.

Joan May
STYLED BY ZIME

Applicant disclaims the words "Styled By" apart from the mark.
FOR MISSES' AND WOMEN'S BLOUSES, SLACK SUITS, AND PLAY SUITS.
Claims use since January 1944.

Ser. No. 470,053. VALCORT HOSIERY CORPORATION, New York, N. Y. Filed May 8, 1944.



The picture is fanciful. Applicant disclaims the word "Stocking" apart from the mark.
FOR LADIES' AND MISSES' HOSIERY.
Claims use since January 1944.

Ser. No. 470,231. D. B. ROSENBLATT, INCORPORATED, Minneapolis, Minn. Filed May 13, 1944.

Luxtra-Cuna

FOR MEN'S AND WOMEN'S OVERCOATS.
Claims use since Aug. 12, 1938.

Ser. No. 470,305. GIMBEL BROTHERS, INC., New York, N. Y. Filed May 16, 1944.

Lloyd & Kilgrove
"SOFT SILHOUETTE"

The words "Lloyd" and "Soft Silhouette" are disclaimed apart from the mark.
FOR MEN'S, BOYS' AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, AND TROUSERS; ALSO MEN'S OVERCOATS AND TOPCOATS.
Claims use since Apr. 1, 1944.

Ser. No. 470,368. THE BARBISON CORPORATION, New York, N. Y. Filed May 18, 1944.

BARBIZETTE

FOR LADIES' WEARING APPAREL—NAMELY, SLIPS, PAJAMAS, LOUNGING ROBES, AND BED JACKETS.
Claims use since May 6, 1944.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 469,217. C. J. BATES & SON, Chester, Conn. Filed Apr. 11, 1944.

Silvalite

FOR CROCHET HOOKS FOR HAND USE.
Claims use since May 26, 1941.

Ser. No. 470,072. FOSTER GRANT CO. INC., Leominster, Mass. Filed May 9, 1944.

FOSTA

FOR POCKET, DRESSING, AND HAIR COMBS.
Claims use since June 1, 1938.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 468,387. F. P. MAUPAI DYEING COMPANY, INC., West New York, N. J. Filed Mar. 17, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

MAU-PRUF

No claim is made to the word "Pruf" apart from the mark.
FOR TEXTILE FABRICS IN THE PIECE MADE FROM RAYON, COTTON AND MIXTURES THEREOF AND TREATED WITH A SPECIAL WATER REPELLENT FINISH.
Claims use since Feb. 10, 1944.

Ser. No. 469,037. CROMPTON COMPANY, Crompton, R. I. Filed Apr. 5, 1944.

JUNIOR PATROL

FOR FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, PROTEIN FIBRES, OR MIXTURES THEREOF.
Claims use since Dec. 1, 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 468,296. INDUSTRIAL RAW MATERIALS CORPORATION, New York, N. Y. Filed Mar. 14, 1944.

VELATRUM

FOR WAX USED FOR DENTAL PURPOSES.
Claims use since Dec. 11, 1943.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 460,539. REID, MURDOCH & Co., Chicago, Ill. Filed May 10, 1943.

YACHT CLUB

FOR GINGER ALE AND ROOT BEER.
Claims use since May 1913.

Ser. No. 470,004. CHARLES L. SANDAHL, Austin, Tex. Filed May 6, 1944.

SUNTEX

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since July 15, 1937.

Ser. No. 470,083. ANNE D. MYERSON, doing business as Wiz Products Company, Philadelphia, Pa. Filed May 9, 1944.

Wiz

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATES FOR MAKING THESE SOFT DRINKS AND SYRUPS.
Claims use since July 27, 1942.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 439,312. WM. MONTGOMERY COMPANY, Philadelphia, Pa. Filed Dec. 31, 1940.



Applicant is the owner of trade-mark registration No. 190,742, dated Oct. 21, 1924.
FOR PACKAGED BREAKFAST CEREALS, SALT, BOTTLED FRUIT PRESERVES AND PREPARED MUSTARD; AND CANNED VEGETABLES, FRUITS, FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES, SOUPS AND BROTHS, EVAPORATED MILK, COFFEE, BROWN BREAD, BONED CHICKEN, TUNA FISH, SALMON, CRAB MEAT, LOBSTER, SHRIMP, AND SALAD DRESSINGS.
Claims use since Nov. 1, 1906.

Ser. No. 439,313. WM. MONTGOMERY COMPANY, Philadelphia, Pa. Filed Dec. 31, 1940.



FOR PACKAGED BREAKFAST CEREALS, SALT, BOTTLED FRUIT PRESERVES AND PREPARED MUSTARD; AND CANNED VEGETABLES, FRUITS, FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES, SOUPS AND BROTHS, EVAPORATED MILK, BROWN BREAD, BONED CHICKEN, TUNA FISH, SALMON, CRAB MEAT, LOBSTER, SHRIMP, AND SALAD DRESSINGS.
Claims use since Nov. 1, 1906.

Ser. No. 467,903. STEIN, HALL MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 1, 1944.

LACDEX

Applicant is the owner of trade-mark registration No. 128,866, "Lacdex."
FOR COMPOSITION SOYA FLOUR, MALTED CEREAL FLOUR AND A DEXTRINE.
Claims use since December 1943.

Ser. No. 469,579. SOUTHERN TULARE OLIVE MARKETING ASSOCIATION, Terra Bella, Calif. Filed Apr. 22, 1944.

STOMA

The mark is a monogram formed from the first letters in the name "Southern Tulare Olive Marketing Association."
FOR OLIVES AND OLIVE OIL IN TIN AND GLASS.
Claims use since 1937.

Ser. No. 469,864. DAILEY MILLS, INC., Binghamton, N. Y. Filed May 2, 1944.



Applicant is the owner of Trade-Mark No. 402,805, registered Aug. 10, 1943.
FOR LIVESTOCK AND POULTRY FEEDS—NAMELY, SUPER HATCH PRODUCER, SUPER ALL MASH BREEDER PRODUCTS, BATTERY LAY MASH, SUPER LAYING MASH, SUPER ALL MASH LAYER, EGG PRODUCER MASH, SUPER STARTING MASH, SUPER STARTER AND GROWER, REVITALIZER MASH, SPECIAL PIG AND HOG RATION, RECLEANED HEAVY WHITE POULTRY OATS, GROUND OATS, CRUSHED OATS, HEAVY, GROUND CORN AND OAT CHOP, WHEAT AND BARLEY, CRACKED CORN AND WHEAT, GROWING GRAINS, SUPER GROWING MASH, RANGE GROWING MASH, TURKEY STARTING MASH, TURKEY GROWING MASH, STARTER BROILER MASH, ALL MASH BROILER, BODY PRODUCER PELLETS, SPECIAL SUPERFAT MASH, ECONOMIZER LAYING MASH, ECONOMIZER GROWING MASH, TEST RATION, HORSE FEED, PORK PRODUCER, GOAT AND KID RATION, RECLEANED OATS, CRUSHED OATS, PULVERIZED OATS, RECLEANED BARLEY, SCRATCH GRAIN, BABY CHICK GRAINS, AND PIGEON FEED.
Claims use since January 1940.

Ser. No. 469,987. MARY DODGE, Studio City, Calif. Filed May 6, 1944.

Mary Dodge



The name "Mary Dodge" is disclaimed apart from the mark.
FOR POPPED POPCORN, AND CONFECTIONS IN THE FORM OF POPPED POPCORN, PUFFED WHEAT, AND PUFFED RICE COATED WITH CHOCOLATE AND OTHER COATINGS, AND FOR CANDY BARS HAVING AS INGREDIENTS POPPED POPCORN, PUFFED WHEAT, AND PUFFED RICE.
Claims use on popped popcorn, and on kernels of popped popcorn, puffed wheat, and puffed rice coated with chocolate and other coatings since Dec. 7, 1939; and on candy bars since Jan. 31, 1940.

Ser. No. 470,045. SELF & JANCIK, Pharr, Tex. Filed May 8, 1944.



No claim is made to the word "Farm" apart from the mark. The picture is fanciful.
FOR FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since Apr. 20, 1944.

Ser. No. 470,479. THE BRECHT CANDY COMPANY, Denver, Colo. Filed May 22, 1944.

"GET ACQUAINTED"

FOR CANDY.
Claims use since Nov. 3, 1922.

Ser. No. 470,514. RIO-MAR GROWERS, Nogales, Ariz. Filed May 22, 1944.

Rio-Mar

FOR FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since Dec. 2, 1943.

Ser. No. 470,757. CENTRAL SOYA COMPANY, INC., Fort Wayne, Ind. Filed May 29, 1944.

MAFCO

FOR DAIRY FEEDS.
Claims use since Apr. 1, 1944.

Ser. No. 471,159. LOUIS MILANI FOODS, Chicago, Ill. Filed June 12, 1944.

MAZURKA

FOR NOODLE SOUP MIX WITH CHICKEN FAT.
Claims use since Sept. 18, 1939.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 464,568. COMPANIA IMPORTADORA LA VINATERA, S. A., Habana, Cuba. Filed Nov. 1, 1943.

Titáne

FOR ETHYL ALCOHOL, RUM, BRANDY, WHISKY, GIN, AND ANISETTE.
Claims use since Sept. 30, 1943.

Ser. No. 469,837. HANNAH & HOGG DISTRIBUTING COMPANY, INC., Chicago, Ill. Filed May 1, 1944. Under 10-year proviso.

Hannah & Hogg

FOR WHISKEY, BRANDY, DRY GIN AND SLOE GIN.
Claims use since 1873.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 454,878. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Aug. 12, 1942.

TRIMITE TRACTION TREAD

No claim is made to the words "Traction" and "Tread" apart from the mark.
FOR SHEET MATERIAL INCLUDING PAPER AND CLOTH, COATED ON A SURFACE THEREOF WITH GRANULAR MATERIAL TO PROVIDE A WEAR-RESISTANT NON-SKID COVERING FOR SURFACES SUCH AS THE OUTER END OF DIVING BOARDS AND THE EDGES SURROUNDING SWIMMING POOLS.
Claims use since July 24, 1942.

Ser. No. 468,602. MARTIN EPSTEIN, New York, N. Y. Filed Mar. 24, 1944.

CHEMISOLE

FOR COMPOSITION SHEET MATERIAL MADE OF HYDROCARBON FOR USE IN THE MAKING OF SOLES.
Claims use since Feb. 15, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 25, 1944

408,155. CAMERAS, ENLARGERS FOR MAKING ENLARGED PRINTS FROM PHOTOGRAPHIC FILMS, ETC. INTERNATIONAL INDUSTRIES, INC., Ann Arbor, Mich.
Filed May 12, 1941. Serial No. 443,508. PUBLISHED JULY 15, 1941. Class 26.

408,156. MOTOR DRIVEN ELECTRIC CIRCUIT CONTROLLERS FOR USE IN SELECTIVE TIME OPERATION OF TRAFFIC SIGNALS. AUTOMATIC SIGNAL CORPORATION, East Norwalk, Conn.
Filed October 17, 1941. Serial No. 447,859. PUBLISHED FEBRUARY 23, 1943. Class 21.

408,157. SANITARY NAPKINS. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill.
Filed December 10, 1942. Serial No. 457,315. PUBLISHED FEBRUARY 2, 1943. Class 44.

408,158. STERILE DRESSING FOR USE IN THE TREATMENT OF BURNS AND WOUNDS. SMITH, INC., Cincinnati, Ohio.
Filed December 3, 1942. Serial No. 457,192. PUBLISHED MAY 9, 1944. Class 6.

408,159. ELECTRONIC EQUIPMENT AND ACCESSORIES—NAMELY, RADIO TRANSMITTERS AND RECEIVERS, MAGNETIC TAPE RECORDING AND REPRODUCING EQUIPMENT, LOUD SPEAKERS, MICROPHONES, TELEGRAPH KEYS AND DIALS. RADIO DEVELOPMENT & RESEARCH CORPORATION, New York, N. Y.
Filed March 13, 1943. Serial No. 459,084. PUBLISHED MAY 16, 1944. Class 21.

408,160. POWER BOATS AND ROW BOATS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed April 5, 1943. Serial No. 459,638. PUBLISHED MAY 16, 1944. Class 19.

408,161. PLASTIC PIPE JOINT CEMENT. UNITED CONVEYOR CORPORATION, Chicago, Ill.
Filed April 10, 1943. Serial No. 459,797. PUBLISHED MAY 16, 1944. Class 12.

408,162. BLOWER TYPE EVAPORATIVE HEAT EXCHANGERS FOR GAS AND DIESEL ENGINE JACKET WATER COOLING, LUBRICATING OIL COOLING, ETC. NIAGARA BLOWER COMPANY, Buffalo and New York, N. Y.
Filed April 16, 1943. Serial No. 459,941. PUBLISHED JULY 13, 1943. Class 34.

408,163. PAINTS AND PAINTERS' MATERIALS—NAMELY, ASPHALT ROOF PAINT, ASBESTOS ROOF PAINT, AND PAINTS HAVING AN ASPHALT AND/OR COAL TAR BASE. THE CELOTEX CORPORATION, Chicago, Ill.
Filed April 19, 1943. Serial No. 459,983. PUBLISHED MAY 2, 1944. Class 16.

408,164. VITAMIN PREPARATIONS. THE PSYLLIUM COMPANY, Towson, Md.
Filed April 20, 1943. Serial No. 460,035. PUBLISHED JUNE 29, 1943. Class 6.

408,165. AUTOMOBILE TOP DRESSINGS. SOUTHPORT PAINT COMPANY, INC., Savannah, Ga.
Filed August 19, 1943. Serial No. 462,859. PUBLISHED MAY 9, 1944. Class 4.

408,166. IMPREGNATED, CHEMICALLY RESISTANT ASBESTOS CEMENT SHEETS OR SLABS. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed August 25, 1943. Serial No. 462,994. PUBLISHED MAY 16, 1944. Class 12.

408,167. BUILT-UP MICA PLATE IN WHICH THE MICA SPLITTINGS ARE CEMENTED TOGETHER WITH AN ALKYD TYPE RESIN. CONTINENTAL-DIAMOND FIBRE COMPANY, Newark, Del.
Filed September 30, 1943. Serial No. 463,775. PUBLISHED MAY 16, 1944. Class 1.

408,168. BILLFOLDS, WALLETS, KEY CASES, CARD CASES, PASS CASES, LEATHER WRITING CASES, DRESSING CASES, VALISES, SUITCASES, WARDROBE CASES, AND OVERNIGHT BAGS, CHANGE PURSES, MONEY BELTS, AND HAND BAGS. COLUMBIA-WALESCRAFT CO., New York, N. Y.
Filed October 28, 1943. Serial No. 464,476. PUBLISHED MAY 16, 1944. Class 3.

408,169. MACHINE FOR BALANCING MASSES, MACHINES FOR DETERMINING AND/OR CORRECTING UNBALANCE IN MASSES, MACHINES FOR PRODUCING, MEASURING AND/OR ELIMINATING VIBRATIONS IN ROTATING MASSES. GYRO-BALANCE CORPORATION, Greenwich, Conn.
Filed October 29, 1943. Serial No. 464,506. Class 26.

408,170. DIAMOND GRINDING WHEELS, DIAMOND CUT-OFF BLADES AND DIAMOND SLICING BLADES. CONSOLIDATED DIAMOND SAW BLADE CORP., Yonkers, N. Y.
Filed November 2, 1943. Serial No. 464,598. PUBLISHED MAY 9, 1944. Class 4.

408,171. FLAT WALL PAINT. THE J. E. HARRIS COMPANY, Wooster, Ohio, and Atlanta, Ga.
Filed November 6, 1943. Serial No. 464,781. PUBLISHED MAY 16, 1944. Class 16.

408,172. AIRPLANES AND STRUCTURAL PARTS THEREOF. CONSOLIDATED VULTEE AIRCRAFT CORPORATION, San Diego, Calif.
Filed November 8, 1943. Serial No. 464,811. PUBLISHED MAY 16, 1944. Class 19.

408,173. ELECTRIC FURNACES. THERMO ELECTRIC MANUFACTURING CO., Dubuque, Iowa.
Filed November 11, 1943. Serial No. 464,930. PUBLISHED FEBRUARY 15, 1944. Class 21.

408,174. VEGETABLE IVORY BUTTONS. VEGETABLE IVORY BUTTON INSTITUTE, INC., New York, N. Y.
Filed November 19, 1943. Serial No. 465,163. PUBLISHED MAY 16, 1944. Class 40.

408,175. MOTOR-OPERATED AUTOMATIC FOLDING DOOR. CLARK DOOR COMPANY, INC., Newark, N. J.
Filed November 23, 1943. Serial No. 465,224. PUBLISHED MAY 16, 1944. Class 12.

408,176. PRUNE JUICE, PRUNE CONCENTRATE, AND PRUNE BUTTER. MAX AMS, INC., New York, N. Y.
Filed December 7, 1943. Serial No. 465,595. PUBLISHED MAY 9, 1944. Class 46.

408,177. BACTERIOSTATIC AND DETERGENT LOCAL APPLICATION IN PYOGENIC, CUTANEOUS AND SUPERFICIAL INFECTIONS AND AS A PROPHYLACTIC IN HEAVILY CONTAMINATED WOUNDS. THE WM. S. MERRELL COMPANY, Cincinnati and Lockland Station, Cincinnati, Ohio.
Filed December 23, 1943. Serial No. 466,012. PUBLISHED MAY 9, 1944. Class 6.

408,178. CARBON COMPOUNDING MATERIAL USED PRINCIPALLY AS A FILLER IN RUBBER OR SYNTHETIC RUBBER. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed December 27, 1943. Serial No. 466,101. PUBLISHED MAY 16, 1944. Class 1.

408,179. CARBON BLACK USED PRINCIPALLY AS A FILLER IN RUBBER OR SYNTHETIC RUBBER. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed December 27, 1943. Serial No. 466,102. PUBLISHED MAY 16, 1944. Class 1.

408,180. CLEANING COMPOUND FOR PAINTED SURFACES, DISHWASHING, AND GENERAL CLEANING. THE SAVOGRAN COMPANY, Boston, Mass.
Filed December 27, 1943. Serial No. 466,106. PUBLISHED MAY 9, 1944. Class 4.

408,181. PAINT ENAMELS. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed December 29, 1943. Serial No. 466,182. PUBLISHED MAY 16, 1944. Class 16.

408,182. CHEMICAL COMPOSITION FOR SEALING OR WATERPROOFING FOR CABLES, SPARK PLUGS, COILS, BATTERIES, BATTERY TERMINALS, AND OTHER PARTS OF IGNITION SYSTEMS, ETC. THOMAS R. SHRAKER, Verona, N. J.
Filed January 13, 1944. Serial No. 466,554. PUBLISHED MAY 9, 1944. Class 6.

408,183. SOLVENT EMULSION CLEANERS FOR CLEANING METAL, CERAMIC, PLASTIC, PAINTED AND LIKE SURFACES. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed January 19, 1944. Serial No. 466,707. PUBLISHED MAY 9, 1944. Class 4.

408,184. SOLVENT EMULSION CLEANERS FOR CLEANING METAL, CERAMIC, PLASTIC, PAINTED AND LIKE SURFACES. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed January 19, 1944. Serial No. 466,708. PUBLISHED MAY 9, 1944. Class 4.

408,185. THERMAL AND SOUND INSULATING MATERIAL CONTAINING A UREA FORMALDEHYDE RESIN IN SHEET OR BULK FORM. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed January 22, 1944. Serial No. 466,794. PUBLISHED MAY 16, 1944. Class 12.

408,186. THERMAL AND SOUND INSULATING MATERIAL CONTAINING A UREA FORMALDEHYDE RESIN IN SHEET OR BULK FORM. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed January 22, 1944. Serial No. 466,795. PUBLISHED MAY 16, 1944. Class 12.

408,187. BAUXITE FOR USE AS AN ADSORBENT MATERIAL. POROCEL CORPORATION, Wilmington, Del., and Philadelphia, Pa.
Filed January 27, 1944. Serial No. 466,929. PUBLISHED MAY 9, 1944. Class 6.

408,188. OIL TYPE FURNITURE POLISH, WHITE EMULSION FURNITURE POLISH, YELLOW EMULSION FURNITURE POLISH, WOOD-WORK SCRATCH REMOVER AND TOUCH-UP POLISH, SELF-POLISHING WATER EMULSION WAX, LIQUID POLISHING WAX, POWDERED DANCE WAX, AND PASTE POLISHING WAX. GEM PRODUCTS, INC., Milwaukee, Wis.
Filed January 31, 1944. Serial No. 467,031. PUBLISHED MAY 9, 1944. Class 16.

408,189. DOPE IN THE NATURE OF PAINT, THINNER FOR PAINTS AND LACQUERS, PAINTS, LACQUERS, AND SOLVENTS FOR PAINTS AND LACQUERS. EDGAR W. CLUTE, doing business as E & E Hobby Supply Shop, Chicago, Ill.
Filed February 11, 1944. Serial No. 467,334. PUBLISHED MAY 9, 1944. Class 16.

408,190. BEER. G. HEILEMAN BREWING CO., La Crosse, Wis.
Filed February 11, 1944. Serial No. 467,336. PUBLISHED MAY 9, 1944. Class 48.

408,191. SHOE DRESSINGS. OLD DUTCH INDUSTRIAL PRODUCTS CO., INC., Kearny, N. J.
Filed February 12, 1944. Serial No. 467,376. PUBLISHED MAY 9, 1944. Class 4.

408,192. APPARATUS FOR TESTING THE AMOUNT OF MOISTURE IN MATERIALS. THE FRED STEIN LABORATORIES, Atchison, Kans.
Filed February 14, 1944. Serial No. 467,412. PUBLISHED MAY 16, 1944. Class 26.

408,193. ANTI-FREEZING LIQUIDS. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed February 15, 1944. Serial No. 467,423. PUBLISHED MAY 9, 1944. Class 6.

408,194. PREPARATION FOR TREATMENT OF PILES AND HEMORRHOIDS. JAMES TOM O'STEEN, doing business as Ots Relief Co., Wichita Falls, Tex.
Filed February 16, 1944. Serial No. 467,464. PUBLISHED MAY 9, 1944. Class 6.

408,195. VITAMIN PREPARATION FOR INTERNAL USE FOR TREATMENT OF VITAMIN DEFICIENCY. VALENTINE LABORATORIES, INC., Chicago, Ill.
Filed February 16, 1944. Serial No. 467,478. PUBLISHED MAY 9, 1944. Class 6.

408,196. BOB PINS. THE DE LONG HOOK AND EYE COMPANY, Philadelphia, Pa.
Filed February 17, 1944. Serial No. 467,488. PUBLISHED MAY 16, 1944. Class 40.

408,197. BOB PINS. THE DE LONG HOOK AND EYE COMPANY, Philadelphia, Pa.
Filed February 17, 1944. Serial No. 467,489. PUBLISHED MAY 16, 1944. Class 40.

408,198. PETROLEUM COMPOSITION, SOMEWHAT COMPARABLE TO MINERAL RUBBER FOR USE IN COMPOUNDING SYNTHETIC RUBBERS. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed February 17, 1944. Serial No. 467,503. PUBLISHED MAY 9, 1944. Class 6.

408,199. READY-MIXED PAINTS. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed February 18, 1944. Serial No. 467,511. PUBLISHED MAY 16, 1944. Class 16.

408,200. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. JOSEPH M. KATZ, Pittsburgh, Pa.
Filed February 18, 1944. Serial No. 467,525. PUBLISHED MAY 16, 1944. Class 37.

408,201. ELECTRICAL CONDENSERS. AIRCRAFT-MARINE PRODUCTS INC., Harrisburg, Pa.
Filed February 19, 1944. Serial No. 467,553. PUBLISHED MAY 16, 1944. Class 21.

408,202. HEATING AND ILLUMINATING OILS—NAMELY, PETROLEUM OIL FOR HEATERS, COOKSTOVES, AND LAMPS, AND KEROSENE. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed February 21, 1944. Serial No. 467,624. PUBLISHED MAY 16, 1944. Class 15.

408,203. POULTRY LITTER. UNIVERSAL ZONOLITE INSULATION CO., Chicago, Ill.
Filed February 21, 1944. Serial No. 467,628. PUBLISHED MAY 16, 1944. Class 1.

408,204. GAGE FOR MEASURING COMPARATIVE SIZES OF MACHINED PARTS OR THE LIKE. N. A. WOODWORTH COMPANY, Ferndale, Mich.
Filed February 21, 1944. Serial No. 467,636. PUBLISHED MAY 16, 1944. Class 26.

408,205. MEDICINAL PREPARATION FOR ASTHMA. I. THOMAS REAMER, doing business as Reaco Products, Durham, N. C.
Filed February 23, 1944. Serial No. 467,700. PUBLISHED MAY 9, 1944. Class 6.

408,206. HEMATOGENS. THE BOVININE COMPANY, Chicago, Ill.
Filed February 24, 1944. Serial No. 467,712. PUBLISHED MAY 9, 1944. Class 6.

408,207. MEDICINAL PREPARATIONS FOR THE RATIONAL CONTROL OF GASTRO-INTESTINAL HYPERACIDITY. WILLIAM R. WARNER & CO. INC., Wilmington, Del., and New York, N. Y.
Filed February 25, 1944. Serial No. 467,775. PUBLISHED MAY 9, 1944. Class 6.

408,208. ARTIFICIAL BAIT. FRED ARBOGAST, Akron, Ohio.
Filed February 28, 1944. Serial No. 467,800. PUBLISHED MAY 16, 1944. Class 22.

408,209. POWDER USED IN THE PRINTING INDUSTRY TO PRESERVE BLANKETS AND TO ABSORB GREASES AND OILS WHICH MAY HAVE PENETRATED INTO THE BLANKETS. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill.
Filed February 28, 1944. Serial No. 467,804. PUBLISHED MAY 9, 1944. Class 6.

408,210. POWDER THAT IS APPLIED TO A LITHOGRAPHIC PLATE TO PREVENT SPREADING OF THE IMAGE. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill.
Filed February 28, 1944. Serial No. 467,806. PUBLISHED MAY 9, 1944. Class 6.

408,211. VITAMINS AND VITAMIN COMBINATIONS. WALKER VITAMIN PRODUCTS, INC., Mount Vernon, N. Y.
Filed February 28, 1944. Serial No. 467,830. PUBLISHED MAY 9, 1944. Class 6.

408,212. TEXTILE FINISHES. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed February 29, 1944. Serial No. 467,860. PUBLISHED MAY 9, 1944. Class 6.

408,213. CARBONATED, NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS USED IN MAKING THE SAME. FOOD FAIR STORES, INC., Philadelphia, Pa.
Filed March 1, 1944. Serial No. 467,883. PUBLISHED MAY 9, 1944. Class 45.

408,214. LEATHER DRESSINGS AND POLISHES. THE BEST FOODS, INC., New York, N. Y.
Filed March 10, 1944. Serial No. 468,133. PUBLISHED MAY 9, 1944. Class 4.

408,215. LEATHER DRESSINGS AND POLISHES. THE BEST FOODS, INC., New York, N. Y.
Filed March 10, 1944. Serial No. 468,134. PUBLISHED MAY 9, 1944. Class 4.

408,216. PAINT THINNER. FREEDOM OIL COMPANY, Freedom, Pa.
Filed March 18, 1944. Serial No. 468,412. PUBLISHED MAY 16, 1944. Class 16.

408,217. ELECTRICAL CONNECTING UNITS FOR WIRES. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio.
Filed March 20, 1944. Serial No. 468,467. PUBLISHED MAY 16, 1944. Class 21.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

408,218. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BIRDSELL LABORATORIES, INC., South Bend, Ind. Filed June 8, 1942. Serial No. 453,532.

STAHLY

FOR MECHANICAL RAZORS AND RAZOR BLADES.
Claims use since May 8, 1942.

408,219. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RELIANCE VARNISH COMPANY, INC., Louisville, Ky. Filed Aug. 13, 1942. Serial No. 454,897.

SCRATCH FINISH

FOR BASE LACQUERS, READY MIXED PAINTS, VARNISHES, STAINS AND PASTE WOOD FILLERS FOR USE BY FURNITURE MANUFACTURERS.
Claims use since July 1, 1942.

408,220. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ELREX WATCH COMPANY, INC., New York, N. Y. Filed Apr. 21, 1943. Serial No. 460,044.

HYDEPARK

FOR WATCHES.
Claims use since January 1943.

408,221. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BREWER & COMPANY, INC., Worcester, Mass. Filed May 29, 1943. Serial No. 461,031.

Lumbar-Eze

FOR ABDOMINAL SUPPORTER.
Claims use since May 1, 1943.

408,222. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DRI-WEAR FUR PROCESSING CORPORATION, New York, N. Y. Filed June 9, 1943. Serial No. 461,245.

NU-LUSTR

FOR CHEMICALS FOR TREATING FURS FOR THE PURPOSE OF IMPROVING THE APPEARANCE AND QUALITY THEREOF.
Claims use since June 3, 1943.

408,223. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed June 14, 1943. Serial No. 461,374.

Timer

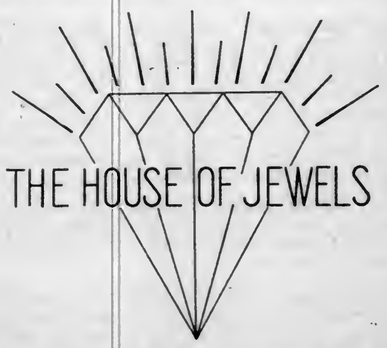
FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since June 11, 1943.

408,224. (CLASS 14. METALS AND METAL CASTINGS, AND FORGINGS.) MADISON-KIPP CORPORATION, Madison, Wis. Filed July 16, 1943. Serial No. 462,117.

Kipp

FOR DIE CASTINGS.
Claims use since Apr. 16, 1943.

408,225. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ROBERT F. BARR, doing business as Southern Wholesale Jewelers, Valdosta, Ga. Filed Aug. 23, 1943. Serial No. 462,939.



FOR DIAMOND RINGS, WEDDING RINGS, AND LADIES' AND MEN'S STONE SET RINGS.
Claims use since February 1943.

408,226. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CADIE CHEMICAL PRODUCTS, INC., New York, N. Y. Filed Oct. 12, 1943. Serial No. 464,079.

PLASTIC WOOL

FOR CLEANING, SCOURING, AND POLISHING PADS.
Claims use since June 1, 1943.

408,227. (CLASS 37. PAPER AND STATIONERY.) SHIPMARK COMPANY, Worcester, Mass. Filed Jan. 28, 1944. Serial No. 466,954.

SERVICEMEN'S LETTER BOOK

FOR WRITING PAPER AND ENVELOPES.
Claims use since Nov. 1, 1942.

408,228. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Feb. 29, 1944. Serial No. 467,863.

SCOURITE

FOR SOAPS AND/OR SOAPS MADE FROM SULPHONATED OILS AND/OR ORGANIC, SYNTHETIC DETERGENTS FOR WASHING TEXTILE FIBRES AND FABRICS.
Claims use since January 1942.

408,229. (CLASS 37. PAPER AND STATIONERY.) BROOKS BANK NOTE COMPANY, Springfield, Mass. Filed Mar. 20, 1944. Serial No. 468,433.

WILBRAHAM BOND

FOR WRITING AND PRINTING PAPER.
Claims use since August 1914.

408,230. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED VESTER BARKER, doing business as Barker's Meat Builder Co., Rhodell, W. Va. Filed Mar. 30, 1944. Serial No. 468,827.

BARKER'S MEAT BUILDER

FOR CONDITIONER FOR LIVESTOCK—NAMELY, HOGS, YOUNG PIGS, COWS, SHEEP, GOATS, HORSES, MULES, CALVES, COLTS, AND DOGS.
Claims use since Dec. 10, 1942.

408,231. (CLASS 15. OILS AND GREASES.) CRANE PACKING COMPANY, Chicago, Ill. Filed Mar. 30, 1944. Serial No. 468,835.

John Crane

FOR LUBRICANTS USED WITH PUMPS AND IN PACKINGS, AND WHICH ARE INSOLUBLE IN THE FLUIDS WITH WHICH THEY COME IN CONTACT, AS ILLUSTRATED BY THE FOLLOWING TYPES OF SERVICE: PETROLEUM DISTILLATES, SOLVENTS, WATER SERVICES, BOILER FEED PUMPS AND CHEMICAL SERVICES.
Claims use since 1932.

408,232. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN PELT & BROWN, INC., Richmond, Va. Filed Apr. 11, 1944. Serial No. 469,241.

GLUCO-FERRUM

FOR MEDICINAL PREPARATION IN LIQUID AND TABLET FORM USED FOR INCREASING THE HEMOGLOBIN CONTENT OF THE BLOOD.
Claims use since May 25, 1938.

TRADE-MARK REGISTRATIONS RENEWED

24,805. **ATLAS.** STEEL, IRON, AND COPPER WIRE. Registered May 29, 1894. WASHBURN & MOEN MANUFACTURING COMPANY, Worcester, Mass. Re-renewed May 29, 1944, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey, assignee.

176,270. **"SPORTOGS" AND DESIGN.** ATHLETIC APPAREL—NAMELY, MIDDIES, KNICKERS, GYMNASIUM AND HIKING SUITS. Registered November 20, 1923. S. M. ELOWSKY & Co., Brooklyn, N. Y. Renewed November 20, 1943, to Sporteens, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

182,593. **"GLOBE" AND DRAWING.** NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. Registered April 15, 1924. FRANK L. GRASSINI, doing business as Globe Beverage Co. Renewed April 15, 1944, to Peter Salotti, doing business as Globe Beverage Co., Chicago, Ill., successor.

182,817. **REPRESENTATION OF A FINGER RING.** SALVE FOR REMOVING CORNS. Registered April 15, 1924. EVA PARDY, Chicago, Ill. Renewed April 15, 1944.

183,790. **"INDIA GAUZE" AND DESIGN.** LADIES', MEN'S, AND CHILDREN'S UNDERWEAR OF KNITTED OR NETTED TEXTILE FABRICS. Registered May 6, 1924. I. & R. MORLEY. Renewed May 6, 1944, to I. & R. Morley, Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

183,806. **KLEEN-O.** BROOMS AND MOPS. Registered May 6, 1924. THE GEM HAMMOCK & FLY NET COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed May 6, 1944.

184,899. **"SLL" AND DESIGN.** LUBRICATING OILS, AND PARTICULARLY MARINE-ENGINE OILS. Registered June 3, 1924. SUN OIL COMPANY, Philadelphia, Pa., a corporation of New Jersey. Renewed June 3, 1944.

184,900. **SILVERTOWN.** LUBRICATING OILS AND PARTICULARLY MARINE-ENGINE OILS. Registered June 3, 1924. SUN OIL COMPANY, Philadelphia, Pa., a corporation of New Jersey. Renewed June 3, 1944.

184,988. **BILTRITE.** MEN'S COLLARS. Registered June 3, 1924. BILTRITE COLLAR COMPANY. Renewed June 3, 1944, to Phillips-Jones Corporation, New York, N. Y., a corporation of New York, assignee.

185,278. **BRANDYWINE CLUB.** GINGER ALE. Registered June 10, 1924. DELAWARE COCA COLA BOTTLING COMPANY, Wilmington, Del. Renewed June 10, 1944, to Seminole Flavor Company, Chattanooga, Tenn., a corporation of Tennessee, assignee.

185,308. **"SUNBEAM" AND DRAWING.** COAL. Registered June 10, 1924. SUNLIGHT COLLIERIES COMPANY. Renewed June 10, 1944, to Norton Coal Corporation, Nortonville, Ky., a corporation of Kentucky, successor.

185,394. **REPRESENTATION OF A SPINNING WHEEL.** WRITING PAPER AND MAILING ENVELOPES. Registered June 17, 1924. Z. & W. M. CRANE, INC., Dalton, Mass., a corporation of Massachusetts. Renewed June 17, 1944.

185,482. **JULIET.** LADIES' SILK LINGERIE. Registered June 17, 1924. W. G. ANGLIM, doing business as Juliet Lingerie Co., St. Paul, Minn. Renewed June 17, 1944, to Vanity Fair Mills, Inc., Reading Pa., a corporation of Pennsylvania, assignee.

185,611. **"BE A WILD MAN" AND DRAWING.** MEN'S CLOTHING AND FURNISHINGS—NAMELY, OVERCOATS, SUITS, SWEATERS, BLOUSES, HATS, CAPS, NECKTIES, MUFFLERS, COLLARS, DRESS AND NEGLIGEE SHIRTS, UNDERWEAR, ATHLETIC SHIRTS, AND HOSIERY. Registered June 24, 1924. WILD & COMPANY. Renewed June 24, 1944, to George A. Wild, doing business as Wild & Company, Ann Arbor, Mich., successor.

186,088. **ROYAL SEAL.** ROLLED OATS AND WHEAT FLOUR. Registered July 1, 1924. THE QUAKER OATS COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed July 1, 1944.

186,497. **GALILEO.** ALIMENTARY PASTES. Registered June 22, 1924. KANSAS CITY MACARONI & IMPORTING CO., Kansas City, Mo., a corporation of Missouri. Renewed June 22, 1944.

186,625. **BONZOLINE.** GOLF, AND CROQUET, BILLIARD, PYRAMID, SNOOKER, POOL, AND BAGATELLE BALLS, AND ANY OTHER BALLS USED ON A BILLIARD, BAGATELLE, OR OTHER SIMILAR TABLE. Registered July 22, 1924. THE BONZOLINE MANUFACTURING COMPANY LIMITED. Renewed July 22, 1944, to The Composition Billiard Ball Supply Company Limited, London, England, an incorporated company of Great Britain, assignee.

186,734. **SEVEN PEAKS.** CANNED VEGETABLES. Registered July 22, 1924. IDAHO CANNING COMPANY, LIMITED, Payette, Idaho, a corporation of Idaho. Renewed July 22, 1944.

186,884. **BILTEX.** MIDDY BLOUSES; UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN; HOSIERY, MEN'S NEGLIGEE AND WORK SHIRTS, HOUSE DRESSES, CHILDREN'S BLOOMERS, BATH ROBES, OVERALLS, BRASSIÈRES, AND SWEATERS. Registered July 22, 1924. BENJAMIN BILLOW, New York, N. Y. Renewed July 22, 1944.

187,283. **"BOUQUET DES AMOURS" AND DRAWING.** SOAPS IN CAKE FORM, SOAP PASTES, AND SOAP POWDERS. Registered July 29, 1924. PARFUMERIE ROGER ET GALLET, S. A., Paris, France, a corporation of France. Renewed July 29, 1944.

187,411. **"BOUQUET DES AMOURS" AND DRAWING.** PASTES AND POWDERS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR, AND PERFUMERY. Registered August 5, 1924. PARFUMERIE ROGER ET GALLET, S. A., Paris, France, a corporation of France. Renewed August 5, 1944.

187,413. **PHOSPHORRENAL.** PHARMACEUTICAL PREPARATIONS FOR NEURASTHENIA AND DEBILITY, PHOSPHATURIA, ANÆMIA, CHRONIC DERMATOSIS, MALNUTRITION, TUBERCULOSIS, CANCER, POSTINFECTIOUS CONDITIONS WITH DEBILITY OF THE NERVOUS AND MUSCULAR SYSTEMS AND FEEBLENESS OF THE HEART, ORGANIC DEPRESSION OF TOXIC AND INFECTIOUS NATURE, BRAIN-FAG, DIABETES, CHLOROSIS, AND OTHER CERTAIN NAMED DISEASES. Registered August 5, 1924. JOSE ROBERT MESTRE, Barcelona, Spain. Renewed August 5, 1944.

187,953. **WHALITE.** MACHINERY PACKING COMPRISING RUBBER AND FIBER. Registered August 12, 1924. WEST AMERICAN RUBBER COMPANY, Los Angeles, Calif., a corporation of California. Renewed August 12, 1944.

188,040. **"RED BIRD" AND DRAWING.** LADIES', MISSES', AND CHILDREN'S HATS. Registered August 19, 1924. PROGRESSIVE HAT MFG. CO., St. Louis, Mo., a corporation of Missouri. Renewed August 19, 1944.

188,058. **REGAL.** KNITTED WEAR FOR INFANTS AND CHILDREN—NAMELY, BOOTEES, BOOTEE SETS CONSISTING OF BOOTEES, BONNET, AND SACK; SACKS, HOODS, MITTENS, SCARFS, TOQUES, LEGGINGS, CAPS, SWEATERS, TAMS; SWEATER SETS CONSISTING OF SWEATER, LEGGINGS, CAP, AND MITTENS; ANGORA SWEATER SUITS CONSISTING OF SWEATER, LEGGINGS, CAPS, AND MITTENS, AND SCARF SETS CONSISTING OF TAM AND CAP. Registered August 19, 1924. REGAL KNITTING COMPANY. Renewed August 19, 1944, to Regal Knitwear Co. Inc., New York, N. Y., a corporation of New York, assignee.

188,208. **RED CHIEF.** FRESH VEGETABLES—NAMELY, TOMATOES AND RHUBARB. Registered August 19, 1924. THE IRVINE COMPANY, Tustin, Calif., a corporation of Virginia. Renewed August 19, 1944.

188,263. **PIE-RITE.** DRY POWDER PREPARATION USED IN MAKING PIES, ABSORBING AND HOLDING THE FRUIT JUICES AND FLAVOR THEREOF, AND PRODUCING SMOOTHNESS OF BODY IN SAID PIES. Registered August 19, 1924. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 19, 1944.

188,319. **FRAPINE.** PREPARATION USED TO INCREASE THE VISCOSITY OR THICKNESS AND TO IMPROVE MALTED MILK AND OTHER FOOD BEVERAGES. Registered August 26, 1924. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 26, 1944.

188,325. **HEMO-RATION.** CANNED MEAT AND CEREALS FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS. Registered August 26, 1924. CHAPPEL BROS., INC., Rockford, Ill. Renewed August 26, 1944, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee.

188,326. **KEN-L-RATION.** CANNED MEAT AND CEREALS FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS. Registered August 26, 1924. CHAPPEL BROS., INC., Rockford, Ill. Renewed August 26, 1944, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee.

188,468. **MARQUITA.** TOILET PREPARATIONS—NAMELY, FACE CREAM, COLD CREAM, TALCUM POWDER, FACE POWDER, PERFUME (LIQUID), ROUGE, FACE-POWDER COMPACT, LIP STICKS, EYEBROW PENCILS, LIQUID DANDRUFF REMOVER, HAIR TONIC; AND OTHER CERTAIN NAMED TOILET PREPARATIONS. Registered August 26, 1924. WILLIAM J. SCOTT, doing businesse as Scott's Laboratories. Renewed August 26, 1944, to Scott's Laboratories, Chicago, Ill., a copartnership, assignee.

188,500. **DIAMOND.** SILICA, KNOWN COMMERCIALLY AS FLINT, QUARTZ, SILEX, AND MOLD MASH. Registered August 26, 1924. PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa., a corporation of Pennsylvania. Renewed August 26, 1944.

188,501. **MOON.** SILICA, KNOWN COMMERCIALLY AS FLINT, QUARTZ, SILEX, AND MOLD MASH. Registered August 26, 1924. PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa., a corporation of Pennsylvania. Renewed August 26, 1944.

188,553. **"FUL-O-PEP" AND DRAWING.** POULTRY FEED OF ALL KINDS. Registered August 26, 1924. THE QUAKER OATS COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed August 26, 1944.

188,645. **"JEWELL" AND DRAWING.** ELECTRICAL MEASURING INSTRUMENTS—NAMELY, GALVANOMETERS, VOLTMETERS, MILLIVOLTMETERS, AMMETERS, MILLIAMMETERS, VOLTAMMETERS, FREQUENCY METERS, WAVE METERS, WATTMETERS, AND RADIATION AMMETERS; AND OTHER CERTAIN NAMED ELECTRICAL INSTRUMENTS AND APPLIANCES. Registered September 2, 1924. JEWELL ELECTRICAL INSTRUMENT CO., Chicago, Ill. Renewed September 2, 1944, to Jewell Electrical Instrument Company, Newark, N. J., a corporation of New Jersey, assignee by mesne assignments.

189,005. **THOREOL.** LUBRICANTS IN OIL AND GREASE FORM. Registered September 9, 1924. THE PENNOIL CO. INC., Buffalo, N. Y. Renewed September 9, 1944, to The Pennoil Company, Oil City, Pa., a corporation of Pennsylvania, assignee.

189,252. **"O-CEDAR" AND DRAWING.** POLISH FOR CLEANING AND POLISHING FURNITURE, FLOORS, LINOLEUM, PIANOS, AUTOMOBILES, ETC. Registered September 16, 1924. O-CEDAR CORP'N, Chicago, Ill., a corporation of Illinois. Renewed September 16, 1944.

189,326. **YOLANDE.** WOMEN'S SILK UNDERGARMENTS AND NEGLIGEES. Registered September 16, 1924. LANDE & MISKEND. Renewed September 16, 1944, to Lande & Miskend, Inc., New York, N. Y., a corporation of New York, succesor.

189,403. **"ZANZIBAR-CARBON BRAND" AND DRAWING.** CHEMICAL PREPARATION USED TO COLOR SAUSAGE CASINGS. Registered September 16, 1924. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 16, 1944.

189,541. **CHUFRU.** COUGH DROPS. Registered September 23, 1924. ROWNTREE AND COMPANY, LIMITED, doing business as Rowntree's and Rowntree & Co. Ltd., York, England, and Poughkeepsie, N. Y. Renewed September 23, 1944, to Rowntree & Company Limited, York, England, a corporation of the United Kingdom of Great Britain and Northern Ireland.

189,661. **INDURITE.** PULVERIZED OR GROUND SILICA. Registered September 23, 1924. PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa., a corporation of Pennsylvania. Renewed September 23, 1944.

189,831. **"FISK" AND DRAWING.** VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER AND RUBBER TUBES THEREFOR. Registered September 30, 1924. THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Renewed September 30, 1944, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

189,985. **LEMON-ZEST.** IMITATION-LEMON FLAVORING COMPOUND FOR USE IN FOODS AND FOOD PRODUCTS. Registered September 30, 1924. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 30, 1944.

189,986. **ORANGE-ZEST.** IMITATION-ORANGE FLAVORING COMPOUND FOR USE IN FOODS AND FOOD PRODUCTS. Registered September 30, 1924. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 30, 1944.

190,189. **COMPARACOIL.** COMBINATION GAS AND WATER HEATERS. Registered October 7, 1924. DAVIS ENGINEERING CORPORATION, Wilmington, Del., and Elizabeth, N. J. Renewed October 7, 1944, to Davis Engineering Corporation, Elizabeth, N. J., a corporation of Delaware.

190,193. **A-MAY-ZING.** HOSIERY. Registered October 7, 1924. JOSEPH P. VOORHEES, New York, N. Y. Renewed October 7, 1944, to Magnet Mills, Inc., Clinton, Tenn., a corporation of Delaware, assignee.

190,199. **HIGHLAND SHAKER-KNIT.** KNITTED SWEATERS, CAPS, AND SCARFS; WOMEN'S KNITTED SUITS AND DRESSES, MEN'S KNITTED SUITS, KNITTED BREECHES, WRISTLETS, AND GOLF GLOVES. Registered October 7, 1924. HIGHLAND SHAKER SWEATER CO., Camden, N. J. Renewed October 7, 1944, to Highland Knitting Mills, also doing business as Forrest Knitting Mills, Philadelphia, Pa., a partnership, assignee.

190,300. **ALCOLO.** PREPARATION FOR BATHING AND MASSAGING THE SKIN. Registered October 14, 1924. JOHN T. MILLIKEN & COMPANY, St. Louis, Mo. Renewed October 14, 1944, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois, successor.

190,306. **PETER BAIN.** BELTS FOR PERSONAL WEAR. Registered October 14, 1924. THE GIBFORD-WEIFFENBACH COMPANY, doing business as The Habanix Leather Products Company. Renewed October 14, 1944, to The Suntorbach Company, Adrian, Mich., a firm, assignee by mesne assignments.

190,359. **"GUEST IVORY" AND DRAWING.** SOAP. Registered October 14, 1924. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed October 14, 1944.

190,375. **SMILO.** COFFEE. Registered October 14, 1924. MAURY-COLE COMPANY. Renewed October 14, 1944, to Canova Foods, Incorporated, Memphis, Tenn., a corporation of Tennessee, assignee by mesne assignments.

190,408. **AMCO.** SIZING, FINISHING, AND DETERGENT PREPARATION FOR THE TREATMENT OF TEXTILE FABRICS. Registered October 14, 1924. THE ARABOL MF'G CO., New York, N. Y., a corporation of New York. Renewed October 14, 1944.

190,409. **AMOLLINE.** PREPARATION FOR BOILING COTTON FABRICS. Registered October 14, 1924. THE ARABOL MF'G CO., New York, N. Y., a corporation of New York. Renewed October 14, 1944.

190,410. **"KILLANT" AND DRAWING.** CHEMICAL COMPOSITION FOR DESTROYING INSECTS. Registered October 14, 1924. H. B. NOWLIN, doing business as Killant Chemical Company. Renewed October 14, 1944, to Addie Clark Nowlin, Fort Worth, Tex., assignee.

190,430. **WEATHERBEST.** SHINGLES. Registered October 14, 1924. WEATHERBEST STAINED SHINGLE CO. INC. Renewed October 14, 1944, to Weatherbest Corporation, North Tonawanda, N. Y., a corporation of New York, assignee.

190,476. **RADIALAMP.** RADIO LOUD SPEAKERS. Registered October 14, 1924. ROBERT B. WHEELAN, New York, N. Y. Renewed October 14, 1944.

190,516. **CHILDREN.** PRINTED PERIODICAL PUBLISHED MONTHLY AND AT OTHER INTERVALS. Registered October 14, 1924. GEORGE J. HECHT. Renewed October 14, 1944, to The Parents' Institute, Inc., New York, N. Y., a corporation of New York, assignee.

190,711. **PAR-O-VIS.** LUBRICANTS IN OIL AND GREASE FORM. Registered October 21, 1924. THE PENNZOIL CO. INC., Buffalo, N. Y. Renewed October 21, 1944, to The Pennzoil Company, Oil City, Pa., a corporation of Pennsylvania, assignee.

190,768. **WEAROKAY.** READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. Registered October 21, 1924. COLUMBIA VARNISH COMPANY, Los Angeles, Calif., a corporation of California. Renewed October 21, 1944.

190,844. **"P. P. CO." AND DRAWING.** FELDSPAR. Registered October 28, 1924. PENNSYLVANIA PULVERIZING COMPANY, Lewistown, Pa., a corporation of Pennsylvania. Renewed October 28, 1944.

190,898. **PURETEST.** CANNED FRUITS AND CANNED VEGETABLES. Registered October 28, 1924. MANTECA CANNING COMPANY, Manteca, Calif., a corporation of California. Renewed October 28, 1944.

190,913. **CHUFRU.** CANDY. Registered October 28, 1924. ROWNTREE AND COMPANY LIMITED, York, England, and Poughkeepsie, N. Y. Renewed October 28, 1944, to Rowntree & Company Limited, York, England, a corporation of the United Kingdom of Great Britain and Northern Ireland.

191,001. **NORCO.** COAL. Registered October 28, 1924. NORTON COAL MINING COMPANY. Renewed October 28, 1944, to Norton Coal Corporation, Nortonville, Ky., a corporation of Kentucky, successor.

191,119. **REPRESENTATION OF A GIRL IN COSTUME.** COSMETIC CONTAINERS—VIZ, POWDER BOXES, ROUGE BOXES, VANITY CASES, PERFUME VIALS, LIP STICKS, AND EYEBROW PENCILS—THE SAME BEING MADE OF NICKEL. Registered November 4, 1924. ELGIN AMERICAN MANUFACTURING CO. Renewed November 4, 1944, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois, assignee by mesne assignments.

191,178. **"HEARN HOSTESS" AND DESIGN.** TABLE LINENS, LINEN TOWELS, AND TOWELING. Registered November 4, 1924. JAMES A. HEARN & SON INC. Renewed November 4, 1944, to Hearn Department Stores, Inc., New York, N. Y., a corporation of New York, assignee.

191,436. **PEACH BLOW.** HAIR DRESSINGS, PERFUMES AND ESSENCES AND PERFUME EXTRACTS, DENTIFRICES, SACHET POWDER, COLD CREAM, FACE CREAM, FACE LOTION, HAND LOTION, ROUGE, FACE POWDER, LIP STICKS, TOILET WATERS, AND EYEBROW PENCILS. Registered November 11, 1924. THE BALDWIN PERFUMERY CO., Chicago, Ill. Renewed November 11, 1944, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

191,487. **RUBY OLEINE.** RED OIL. Registered November 11, 1924. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed November 11, 1944.

191,488. **"SHAW FLUX" AND DRAWING.** METAL FLUX FOR BRAZING CAST IRON. Registered November 11, 1924. VIROIL E. SHAW, Rockford, Ill. Renewed November 11, 1944.

191,504. **"BLAKE, MOFFITT & TOWNE" AND DRAWING.** PRINTING PAPER, CORRUGATED PAPER, BOND PAPER, BOOK PAPER, WRITING PAPER, MIMEOGRAPH PAPER, LEDGER PAPER, BLOTTING PAPER, COVER PAPER, ENVELOPES, CARDBOARD, GUMMED PAPER, WAX PAPER, TISSUE PAPER, ADDING MACHINE PAPER EITHER IN SHEETS OR ROLLS, PAPER NAPKINS, PAPER TOWELS, TOILET PAPER, CRÊPE PAPER, AND PAPER SEALING TAPE. Registered November 11, 1924. BLAKE, MOFFITT & TOWNE, San Francisco, Calif., a corporation of California. Renewed November 11, 1944.

191,545. **BOSS ARMOURPLATE.** GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC. Registered November 11, 1924. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., a corporation of Illinois. Renewed November 11, 1944.

191,551. **BLUE BIRD.** MALTLESS-BEVERAGE FLAVORS AND BEVERAGES MADE THEREFROM. Registered November 11, 1924. CITRUS PRODUCTS COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 11, 1944.

191,582. **GLORIA.** ADHESIVES HAVING A CEREAL BASE. Registered November 11, 1924. THE ARABOL MF'G CO., New York, N. Y., a corporation of New York. Renewed November 11, 1944.

191,583. **GLUTOL.** WALL SIZE. Registered November 11, 1924. THE ARABOL MF'G CO., New York, N. Y., a corporation of New York. Renewed November 11, 1944.

191,585. **REPRESENTATION OF A BROAD GREEN BAND ON AN INDEX.** INDEXES. Registered November 11, 1924. RAND COMPANY, INC., North Tonawanda, N. Y. Renewed November 11, 1944, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

191,586. **REPRESENTATION OF A NARROW GREEN BAND ON AN INDEX.** INDEXES. Registered November 11, 1924. RAND COMPANY, INC., North Tonawanda, N. Y. Renewed November 11, 1944, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

191,634. **VESTAL.** SOAPS; LAVATORY, TOILET AND FLOOR CLEANERS, AND METAL POLISHES. Registered November 11, 1924. VESTAL CHEMICAL COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed November 11, 1944.

191,695. **"RED BALL" AND DRAWING.** SEED POTATOES. Registered November 18, 1924. MACK BOUCHARD & SON. Renewed November 18, 1944, to Bouchard Potato Co., Inc., Caribou, Maine, a corporation of Maine, assignee.

191,725. **ESS-R-BEE.** KNITTED UNDERWEAR, SWEATER COATS, BATHING SUITS AND HOSIERY FOR MEN, WOMEN, AND CHILDREN, MEN'S AND BOYS' DRESS SHIRTS, WORK SHIRTS, AND FLANNEL OUTING SHIRTS, PYJAMAS AND NIGHTSHIRTS. Registered November 18, 1924. SCHULTZ-ROSKY-BLOCK CO., Chicago, Ill., a corporation of Illinois. Renewed November 18, 1944.

191,738. **RED BUG.** CANNED SHRIMP. Registered November 18, 1924. BLUM & BERGERON, Houma, La., a firm. Renewed November 18, 1944.

191,797. **PURITAN BELLE.** CAKE, ICE CREAM, AND BREAD. Registered November 18, 1924. JOE LOWE CO. INC., Brooklyn, N. Y. Renewed November 18, 1944 to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware, assignee.

191,879. **BIG S.** HORSE, DAIRY, AND SCRATCH FEED. Registered November 18, 1924. SECURITY MILLS. Renewed November 18, 1944, to Security Mills, Inc., Knoxville, Tenn., a corporation of Tennessee, by change of name.

191,920. **E. Z.** LAXATIVE MEDICINAL PREPARATION. Registered November 25, 1924. MALCOLM G. GIBBS, doing business as Key Chemical Company. Renewed November 25, 1944, to E-Z Chemical Company, Washington, D. C., a corporation of Delaware, assignee.

191,922. **FRIVOLE.** PERFUME, TOILET WATER, FACE POWDER, SACHET, TALCUM POWDER, AND ROUGE. Registered November 25, 1924. THE SANITOL COMPANY, St. Louis, Mo., assignor to Mellier Company, Perfumer. Renewed November 25, 1944, to Mellier Company, Perfumer, New York, N. Y., a corporation of Missouri.

191,938. **"PYRAMID" AND DRAWING.** WHEAT FLOUR. Registered November 25, 1924. TACOMA GRAIN CO., Tacoma, Wash. Renewed November 25, 1944, to Centennial Flouring Mills Co., Seattle, Wash., a corporation of Washington, assignee.

191,954. **DAWNLAND.** CANDY. Registered November 25, 1924. E. A. HOFFMAN CANDY CO. INC., Los Angeles, Calif., a corporation of California. Renewed November 25, 1944.

192,001. **FILTERAY PAD.** THERAPEUTIC PADS. Registered November 25, 1924. GEORGE STARR WHITE, Los Angeles, Calif. Renewed November 25, 1944.

192,022. **J B & CO.** AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN. Registered November 25, 1924. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed November 25, 1944.

192,023. **EDGEMERE.** AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN. Registered November 25, 1924. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed November 25, 1944.

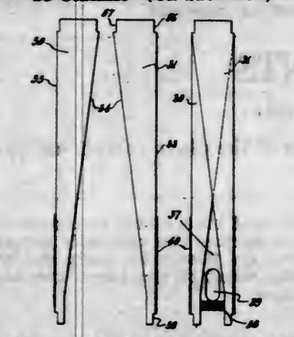
192,024. **REPRESENTATION OF A FANCY PANEL DESIGN.** AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN. Registered November 25, 1924. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed November 25, 1944.

192,064. **BARBASOL.** TOILET POWDER. Registered November 25, 1924. THE BARBASOL COMPANY, Indianapolis, Ind., a corporation of Delaware. Renewed November 25, 1944.

192,106. **DAME NATURE.** COMPACT ROUGE, SKIN-IMPROVER CREAM, COMPACT POWDER, LIQUID POWDER, COLD CREAM, VANISHING CREAM, LIQUID ROUGE, LIP STICKS, TALCUM, AND FACIAL BALM. Registered November 25, 1924. DAME NATURE CO., Chicago, Ill., and New York, N. Y. Renewed November 25, 1944, to Dame Nature Co., Inc., New York, N. Y., a corporation of Illinois

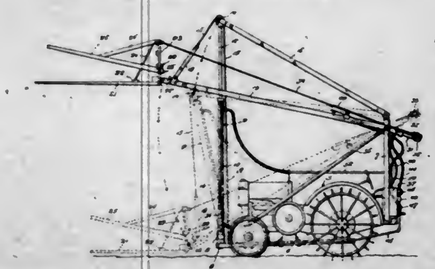
192,113. **GLOVER'S.** ANIMAL MEDICINES: DISTEMPER MEDICINE, VERMIFUGE, WORM CAPSULES, TAPEWORM CAPSULES, CONDITION PILLS, CANKER WASH, EYE LOTION, BLOOD PURIFIER, DIARRHEA MEDICINE, FIT MEDICINE, TONIC, COUGH MIXTURE, SORE FOOT MEDICINE, BLACK-TONGUE MEDICINE, COMPOUND SULPHUR TABLETS, DIGESTION PILLS, LINIMENT, LIVER PILLS. Registered November 25, 1924. H. CLAY GLOVER CO., INC., New York, N. Y., a corporation of New York. Renewed November 25, 1944.

22,520
FILTER
Francis A. De Lisle, Albion, Ind., assignor to George B. Finnegan, Jr., trustee, Mountain Lakes, N. J.
Original No. 2,293,126, dated August 18, 1942, Serial No. 261,425, March 13, 1939. Application for reissue May 20, 1943, Serial No. 487,788
13 Claims. (Cl. 210—188)



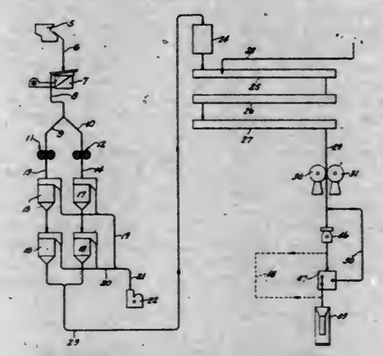
13. A filter press drainage plate comprising a closed border having ends and sides, a fluid inlet adjacent one of said ends, means extending between said end border members, forming filtrate drainage channels which increase in cross-sectional area from the fluid inlet end of said plate border toward the opposite end of the drainage plate, said channel means also serving to support a filter medium and drainage means in said opposite end portion of the plate, on the drainage side of the filter medium, in communication with said drainage filtrate channels for receiving filtrate therefrom.

22,521
COMBINATION RAKE AND STACKER
Otto H. Knarreborg, Devils Lake, N. Dak.
Original No. 2,300,731, dated November 3, 1942, Serial No. 426,920, January 15, 1942. Application for reissue March 19, 1943, Serial No. 479,746
4 Claims. (Cl. 214—140)



1. In a combined gatherer and loader for traction vehicles, a forward horizontal support secured to the lower portion of the vehicle and extending beyond the forward end thereof, a second horizontal support secured to the vehicle and extending rearwardly beyond said vehicle, said supports being both disposed well below the upper portion of the vehicle wheels, an upstanding boom support mounted on said rear support and extending well above any of the parts or other equipment mounted on said vehicle, a swinging boom pivoted at its rear end to the upper end of said boom support and extending forwardly beyond the front of said vehicle, a gathering medium pivoted on a horizontal axis to the forward portion of said boom, an upstanding hydraulic hoist supported from said forward support and pivoted at its lower end thereto and connected to said boom to swing the same upwardly and to control the downward movement and adjustment thereof, a link pivoted at its rearward end to the upper portion of said boom support and pivoted at its forward end to said hydraulic hoist for causing said hoist to swing rearwardly as it swings said boom upwardly, means controllable from said vehicle for pivotally adjusting and dumping said gathering medium, the structure and relation of said forward and rearward supports, said boom support and hydraulic hoist serving to efficiently distribute the weight of the device and the load carried thereby.

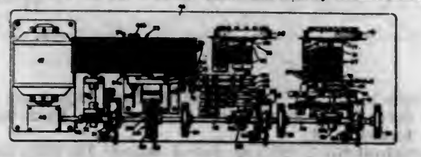
22,522
PREPARATION OF DEHYDRATED PRE-COOKED FOOD PRODUCTS
Charles A. Krause, Jr., Fox Point, Wis.
Original No. 2,343,149, dated February 29, 1944, Serial No. 475,490, February 11, 1943. Application for reissue May 12, 1944, Serial No. 535,334
7 Claims. (Cl. 99—204)



1. In a method of preparing dehydrated precooked legumes the steps of hulling the legumes, subjecting the legumes to the action of heat and moisture to soften and pre-heat the same without affecting their solid state or rupturing their cells while leaving the legumes with substantial moisture content, and then by means of rollers heated to a temperature of between 400° F. and 600° F. subjecting the moistened legumes in the solid state to said heat and to mechanical pressure sufficient at the particular heat to cause instantaneous rupturing of the cells, pre-cooking, and dehydrating.

22,523
SYSTEM OF CODING AND DECODING
Walter S. Lemmon, Riverside, Conn., Charles R. Doty, Yonkers, N. Y., and Richard F. Walz, Glen Ridge, and Albert C. Holt, Oradell, N. J., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original No. 2,138,639, dated November 29, 1938, Serial No. 81,178, May 22, 1936. Application for reissue September 18, 1943, Serial No. 502,998
63 Claims. (Cl. 197—4)

1. A coding and decoding machine comprising a manually operable primary machine, a secondary machine operable from the first, coding means interposed between and interconnecting the machines, said coding means comprising a plurality of individually operable circuit changing units allotted, respectively, to different groups of the characters to be coded and decoded, individual



controlling means for shifting the respective circuit changing units, and means to operate said individual controlling means at arbitrarily determined irregular intervals.

PLANT PATENTS

GRANTED JULY 25, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

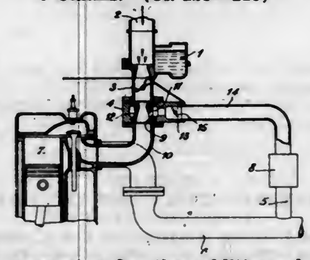
634
CHRYSANTHEMUM PLANT
Gustav Sparre, Clarkson, Ontario, Canada, assignor to The Wayside Gardens Company, Mentor, Ohio, a corporation of Ohio
Application January 12, 1944, Serial No. 517,951
1 Claim. (Cl. 47—60)

The new variety of chrysanthemum indicum herein shown and described characterized in the outstanding and exceptional resistance to cold, drought and disease, the unusually compact and solid head of the flower, the early and continuous blooming habit of the plant and hardiness above average.

PATENTS

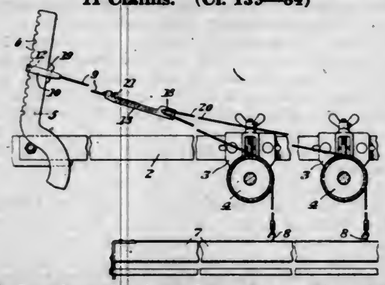
GRANTED JULY 25, 1944

2,354,179
CHARGE FORMING DEVICE
William Victor Blanc, Geneva, Switzerland, assignor to W. Blanc et L. Paiche, Geneva, Switzerland, a corporation of Switzerland
Application April 16, 1942, Serial No. 439,288
In Switzerland March 24, 1941
9 Claims. (Cl. 123—119)



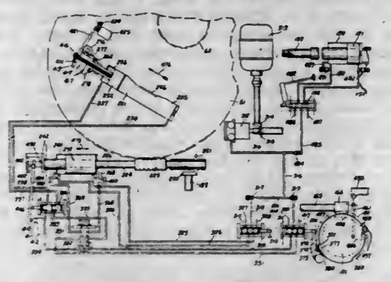
1. An apparatus for the addition of exhaust gas to the gaseous fuel mixture of a high compression or internal combustion engine in order to eliminate the knocking of the engine and to reduce its fuel consumption, said apparatus comprising a passage for the added gas leading into a chamber, a nozzle provided in said chamber and having calibrated orifices, said nozzle discharging into the inlet piping of the engine for the purpose of forming a homogeneous gaseous mixture with the gaseous mixture forming the fuel of the engine, and a throttle controlling the inlet of the added gas in order to admix said added gas to the gas forming the fuel in substantially constant ratio, the passage for the added gas comprising a blocking member, the latter being adjustable into a given fixed position.

2,354,180
HARNESS CONNECTOR FOR LOOMS
Alan E. Brickman, Monongahela, Pa., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application March 17, 1942, Serial No. 435,095
11 Claims. (Cl. 139—84)



1. In a loom having a harness actuator, sheave, and frame, a harness connector comprising a longitudinally extending member having an eye portion arranged on one end thereof which fits around the harness actuator for connecting that end of the connector thereto, a wedge-shaped member made of a yieldable material arranged within the eye portion in back of said actuator between the same and the inner side of said eye portion for holding the same yieldably in engagement with said harness actuator whereby a clatterless connection is provided therebetween, means arranged on the opposite end of said longitudinally extending member for adjusting the length thereof, and a flexible member for connecting said adjustable means to the harness frame and extending therefrom over and around the harness sheave.

2,354,181
MACHINE FOR PRODUCING GEARS
Leonard O. Carlsen, Rochester, and Olaf A. Johnson, Irondequoit, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York
Application June 9, 1941, Serial No. 397,196
22 Claims. (Cl. 90—5)

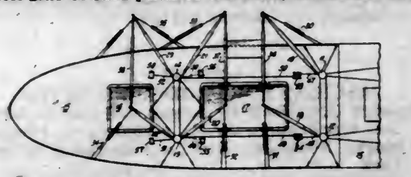


1. In a machine for generating gears, a work support, a work spindle journaled in the work support, a tool support, a face-mill gear cutter journaled in the tool support, means for rotating the cutter on its axis, means for effecting alternate forward and return rolling movements between the cutter and work support to generate the tooth profiles, separate means for automatically changing the radial position of the cutter about the axis of roll between the forward and return rolls and for resetting said cutter to original radial position at the end of the return roll, separate means for automatically changing the angular position of the cutter about the axis of the roll between the forward and return rolls and for resetting the cutter to original angular position at the end of the return roll, and means for periodically indexing the work spindle.

2,354,182
CARGO HANDLING DEVICE
Christoffer Christoffersen, Cedar Grove, N. J., assignor to Gibbs & Cox, Incorporated, New York, N. Y., a corporation of New York
Application June 8, 1943, Serial No. 490,010
13 Claims. (Cl. 212—3)

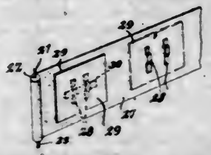
1. A device for loading and discharging cargo into and from a vessel which comprises in combination four booms arranged two on each of opposite sides of the path for movement of the cargo, each boom being pivotally mounted for movement in horizontal and vertical arcs, a topping lift connecting the upper end of each boom to a fixed structure, means for holding the booms

against swinging with inertial forces of the load, radial and thrust bearing faces on each boom near its upper end, a ring rotatably mounted on a radial bearing face of each bearing sleeve and bearing against a thrust bearing face thereof, a yoke pivotally attached to each of said rings, means on said yoke for connecting an upper block of a hoisting tackle and adapted to accommodate swivelling of said block in an arc about the axis of its pull, a second ring rotatably mouted on a radial bearing face of each bearing sleeve and bearing against a thrust bearing face, a second yoke pivotally attached to each of said second rings and a strut secured at its ends respectively to said second yokes of the booms on each side of said path of the load, tackle for each



boom including said upper block, a companion block connected to the load, a line rove through said blocks and extended in a fall to winch means, and blocks for guiding said fall to said winch means, the companion blocks of the tackle for each boom of the pair connected by each strut being connected to the load near one end thereof and those of the other pair being connected near the opposite end of the load, said winch means being double drum winches, one having the falls from the tackle on the same side of each pair connected to its drums respectively so as to be hauled and slacked in synchronism and the other winch having the other falls of each pair connected in the same manner to its drums respectively.

2,354,183
PICTURE FRAME
Francis D. Crichton, Washington, D. C.
Application January 20, 1943, Serial No. 473,084
2 Claims. (Cl. 40—86)



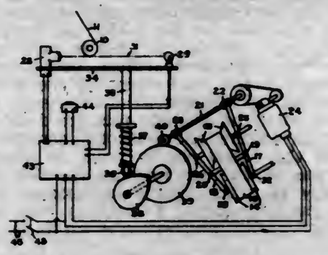
1. A carrier for picture elements and the like for successive display of the picture elements before a view opening of a frame comprising a flexible elongated support member, said support member having pairs of spaced loop members upon one side thereof, a picture element complemental to each pair of loop members, each picture element having oppositely disposed arms adapted to frictionally fit within respective pairs of loops.

2,354,184
DRIVE SOCKET CONNECTOR
William W. Daniel, Kenosha, Wis., assignor to Snap-On Tools Corporation, Kenosha, Wis.
Application May 1, 1941, Serial No. 391,286
3 Claims. (Cl. 51—241)

1. In a device of the character described, the combination with a driven member having a polygonal socket, of a spring impelled driver sustaining seat in said socket, a polygonal driver member complemental to said socket, and circumferentially expansible means in said polygonal socket to yieldingly retain said driver member against accidental withdrawal from said socket, said spring impelled sustaining seat being initially in an engaging position therewith.

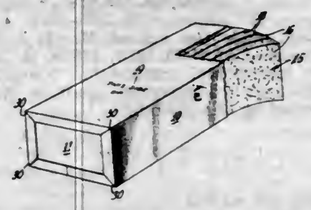


2,354,185
SPOOLING MECHANISM AND MOTOR CONTROL CIRCUIT
Stephen J. Deits, Torrington, Conn., assignor to United Cinephone Corporation, Torrington, Conn., a corporation of New York
Application April 28, 1942, Serial No. 440,822
25 Claims. (Cl. 172—239)



25. A motor and control circuit comprising an A. C. motor having two windings; a transformer having a primary and a secondary winding; a pair of electron discharge tubes each having a cathode, control grid and anode and connected in series with the secondary winding and the motor winding for full wave power supply to the latter; a phototube having a cathode and anode; a condenser connected with the cathode of the phototube; an amplifier having a cathode, control grid and anode, the control grid being connected to the cathode of the phototube to normally pass current through the amplifier, a resistance and a condenser in shunt therewith connected with the anode of the amplifier; the anode of the amplifier also being connected with the control grid of the first of the pair of tubes to control the flow of current therethrough for one half wave; a resistance in series with the first of the pair of tubes; a control tube normally passing current therethrough and biased to cut off by the potential across the next aforesaid resistance; a resistance and condenser in shunt therewith connected with the anode of the control tube; and the control grid of the second of said pair of tubes being connected with the anode of the control tube and controlled thereby to bias the former to pass current through the tube and motor winding for the other half wave whenever current is passing through the first of the pair of tubes.

2,354,186
INSULATION PACKAGE
William T. Donahue, Chicago, Ill., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application January 14, 1942, Serial No. 426,658
3 Claims. (Cl. 206—46)



1. A substantially rectangular package of relatively large, elongated insulating units approximately 16" x 48" and having a thickness of say from 2" to 4", said package comprising an outer, flexible, elongated, tubular wrapper, end closures therefor, a filling comprising a plurality of such insulating units, each including a compressed fibrous layer and a paper backing sheet co-extensive with said layer, said units lying longitudinally within said wrapper and with the backing sheets extending at substantially right angles to a longitudinal side of said package on which it is arranged to rest, and reinforcing members of substantially the area of the ends of said filling and lying between the filling and said end closures at substantially right angles to said backing sheets.

2,354,187
AZO DYESTUFFS
Friedrich Felix, Basel, and Rudolf von Capelier, Riehen, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application July 8, 1938, Serial No. 218,221. Divided and this application November 7, 1938, Serial No. 239,404. In Switzerland July 10, 1937
9 Claims. (Cl. 260—205)

1. The unsulfonated mono-azo-dyestuffs of the general formula

$$NO_2\text{—}A\text{—}N{=}N\text{—}B\text{—}N(z)\text{—}y\text{—}COOH$$

wherein A is an aromatic nucleus of the benzene series in which the nitro-group stands in para-position to the —N=N— group, B is an aromatic nucleus selected from the group consisting of aromatic nuclei of the benzene and naphthalene series, x is a member selected from the group consisting of hydrogen and alkyl and y is a

$$\text{—}y\text{—}O\text{—}C(=O)\text{—}z\text{—}$$

group in which v is linked to the

$$\text{—}N(z)\text{—}$$

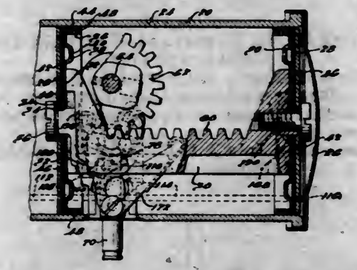
group and z is linked to the COOH— group, wherein v is a divalent, aliphatic, straight radical consisting of at least 2 and not more than 3 carbon atoms, and z is a carbon bridge consisting of at least 2 and not more than 6 carbon atoms, which dyestuffs are red to dark powders which in the form of their alkali metal salts dissolve to orange to red, to brown, to violet, to blue and to green solutions.

2,354,188
FLUID CIRCULATING APPARATUS FOR KNITTING MACHINES AND THE LIKE
Charles S. Aschenbrenner, Temple, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application January 2, 1941, Serial No. 372,729
19 Claims. (Cl. 66—126)



1. The method of circulating fluid through a temperature modifying closed circuit, said circuit including a hollow motion transmitting machine member which forms a part only of the circuit, which consists in reciprocating said machine member and during said reciprocation preventing the flow of fluid in one direction and causing flow of said fluid through said circuit in the opposite direction solely by the inertia of the fluid itself caused by the reciprocating action of said member.

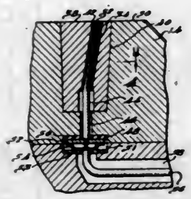
2,354,189
WINDSHIELD WIPER MECHANISM
Rupert B. Bell, Ann Arbor, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application February 19, 1941, Serial No. 379,664
29 Claims. (Cl. 121—164)



12. A fluid motor construction including a movable element movable between predetermined positions including a parking position, a reversible valve shiftable to reverse said motor, operating means to start and stop said motor, means providing atmospheric vents associated with said operating means and parking means operative when said operating means is operated to stop said motor to return said element to its parking position, said parking means being operatively connected to said operating means so that said operating means is not permitted to move to stop said motor until said element is in its parking position and said operating means then cooperates with said vent means to vent said motor to atmosphere.

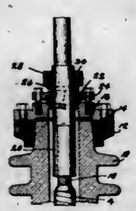
23. In a fluid motor assembly, a casing, passageways formed in said casing, a valve slidably disposed over said passageways, means pivotally mounted to said casing and engaging said valve to move said valve, movable means disposed to move said first named means, a pivot pin secured to said last named means and pivotally mounted on said housing, resilient means engaging said pivot pin and preventing displacement of said pin with respect to said housing, and means to prevent displacement of said resilient means.

2,354,190
WELDING APPARATUS
Louis M. Benkert, Detroit, Mich., assignor to Progressive Welder Company, Detroit, Mich., a corporation of Michigan
Application March 21, 1942, Serial No. 435,655
7 Claims. (Cl. 219—4)



1. An electrode having a work engaging face provided with a bore which opens through said face, an insulated wire received in said bore, and a contractable holding member received in said bore, said member being so dimensioned relative to said bore that when it is introduced therein it is contracted by said bore, said contraction serving to enable said member to wedgingly hold said wire in said bore with an end of said wire exposed upon said face, pressure exerted between said face and the work serving to conductively couple the said end of the wire to associated means which, with said wire, forms a thermocouple.

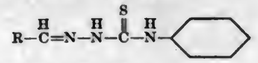
2,354,191
POTHEAD OR TERMINAL FOR ELECTRIC CABLE SYSTEMS
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application July 3, 1942, Serial No. 449,573
2 Claims. (Cl. 174—19)



1. A pothead for terminating an electric cable, said pothead comprising in combination an insulator for receiving the cable conductor, a ring sealed to the outer end of said insulator, a plate extending across the end of the insulator and bolted to said ring, a connector to be attached to the end of the cable conductor and extending through a bore in said plate to the exterior of said insulator, a ring of packing surrounding said connector and lying between it and the bore of said plate, and a clamping ring bearing upon said packing and bolted to said plate, an externally threaded hub or projection on said clamping ring and surrounding said connector, a sealing ring surrounding the connector and screwed upon said hub, and packing between the sealing ring and clamping ring compressed by the sealing ring.

2,354,192
INSECTICIDE
Charles Verne Bowen, Bethesda, Md., assignor to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Application September 25, 1943, Serial No. 503,829
11 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticidal composition comprising, in admixture with a carrying agent, a compound represented by the formula:

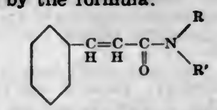


in which the group of

represents the residue of an aldehyde selected from the group consisting of aryl aldehydes, aralkylene aldehydes, and aldehydes characterized by the presence of a 2-furyl group.

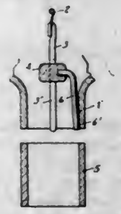
2,354,193
INSECTICIDE
Charles Verne Bowen, Bethesda, Md., assignor to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Application September 25, 1943, Serial No. 503,830
11 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticidal composition comprising, in admixture with a carrying agent, a compound represented by the formula:



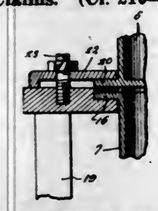
in which R and R' are selected from the group consisting of hydrogen atoms, phenyl radicals, methyl substituted phenyl radicals and alkyl radicals containing not more than four carbon atoms.

2,354,194
MANUFACTURE OF MINIATURE INCANDESCENT LAMPS
Reginald K. Braunsdorff, East Orange, N. J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware
Application May 31, 1941, Serial No. 396,013
3 Claims. (Cl. 176—36)



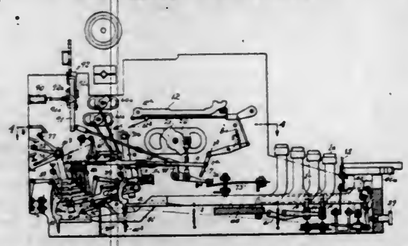
1. The method of manufacturing a miniature incandescent lamp having a top tube fastened to the bulb neck thereof which comprises the steps of fusing a pair of leads to a refractory bead support and spacer, sealing an anchor support wire endwise to said bead at a point out of line with the points where the leads are fused, fusing a top tube endwise to the neck of the bulb, and during the last named fusing operation embedding said lead wires and said anchor wire into the mass of fused glass formed at the juncture between the neck and the top tube.

2,354,195
FILTER TANK ASSEMBLY
James E. Brown, Brookville, Pa., assignor to James L. Brown, Grove City, Pa.
Application June 14, 1941, Serial No. 398,133
2 Claims. (Cl. 210—148)



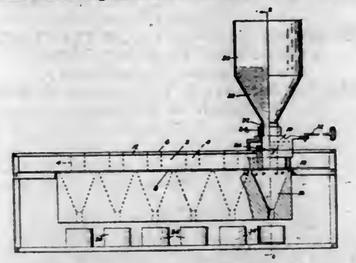
1. A filter tank assembly comprising a pair of tank sections arranged in superposed relation, the lower tank section being open at its top and closed by the upper tank section, said upper tank section having a filter in its bottom adapted to filter liquid passing from one tank section to the other, one of said tank sections having an intake connection and the other tank section having an outlet connection, flanges on the bottom of the upper tank section and on the upper edge of the lower tank section, a support for the sections and including a ring having an inwardly projecting flange below the surface of the ring and forming an annular recessed seat on which the flanges of the sections are positioned, a gasket between the flanges of the sections, clamping plates having one end overlying the flanges of the sections and bolts securing the other ends of the plates to the ring for clamping the flanges of both sections of the tank on the flange of the ring.

2,354,196
TYPEWRITING MACHINE, TYPESETTING MACHINE, AND OTHER KEYBOARD INSTRUMENTS
Arthur T. Cahill, Weehawken, N. J.
Application February 3, 1938, Serial No. 188,502
21 Claims. (Cl. 197—14)



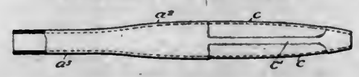
19. In a typewriter or the like machine, in combination, a main supporting machine frame, a platen, a multiplicity of pivoted type-bars in basket arrangement to print at a common position at the platen, key-controlled mechanism for imparting printing movement to the type-bars comprising for each bar a movable connector adapted to be brought to active position by the key corresponding to its type-bar, lever and link connections between each connector and its type-bar, an actuating frame common to all the connectors and movable to engage and actuate the actively positioned connector and the corresponding type-bar, and a bi-polar electro-magnet mounted on and within the confines of the machine frame, said electro-magnet having a rotatively oscillatory armature connected to said actuating frame to effect said movement thereof when the magnet is energized.

2,354,197
MEASURING DEVICE
Alvin A. Campbell, Hacketstown, N. J.
Application August 3, 1942, Serial No. 453,465
4 Claims. (Cl. 222—162)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a measuring device, a flat table, the top thereof having spaced successively arranged holes therethrough forming containers of predetermined capacity, a carriage slidably mounted on the table top and arranged to be brought selectively over said holes, means on the table top and means on the carriage coacting to guide the carriage in its movement over the table top, a plate carried by the carriage and forming a closure for the bottom of the selected hole, means between the carriage and the closure plate for holding said plate snugly against the underside of the table top, a material conduit carried by the carriage and extended to and adapted to register with the upper end of a selected hole, and yielding means carried by the conduit and contacting the upper surface of the table top to level off the top of the material in the hole as the carriage moves from one hole to another, the closure plate being of a dimension with respect to the area of the hole in the conduit that said conduit will be moved completely out of registry with the selected hole before the closure uncovers the bottom of the hole.

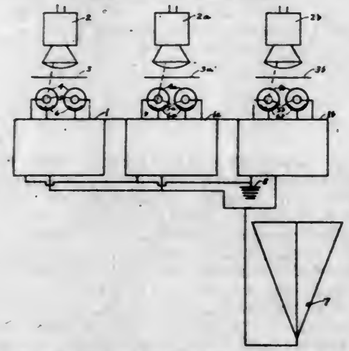
2,354,198
MANUFACTURE OF PROPELLER BLADES
Leroy B. Chubb, Williamsport, Pa., assignor, by mesne assignments, to The Aviation Corporation, New York, N. Y., a corporation of Delaware
Application July 12, 1941, Serial No. 402,085
3 Claims. (Cl. 29—156.8)



1. That improvement in the manufacture of hollow steel propeller-blades from substantially straight tubular blanks which comprises longitudinally tapering, by shaping, one end-portion

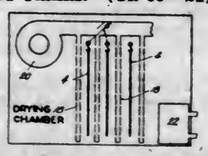
of the blank, cutting away diametrically opposite zones from the outer periphery of the tapered portion to reduced wall-thickness for the working faces and leaving longitudinally extending zones of greater thickness for the leading and trailing edges, longitudinally tapering, by shaping, an adjacent portion of the blank away from the other tapered portion, thereafter cutting away diametrically opposite zones from the outer periphery of the second tapered portion to reduce the wall-thickness for the working faces and leaving longitudinally extending zones of greater thickness for the leading and trailing edges, and shaping the oppositely tapered tubular portions into working faces of airfoil cross-section with the zones of reduced wall-thickness in said faces and the zones of greater thickness into longitudinally curved seamless leading and trailing edges extending substantially to the tip of the blade.

2,354,199
METHOD AND MEANS FOR TELEVISION AND OTHER TRANSMISSIONS
Lee A. Collins, Louisville, Ky.
Application January 3, 1939, Serial No. 249,059
7 Claims. (Cl. 178—6)



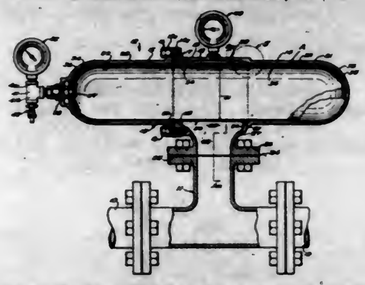
1. The method of broadcasting news and the like from a newspaper which consists of scanning and developing video signals from several pages simultaneously, transmitting the video signals from each page at a different frequency and selectively receiving signals from one of said pages on a single receiver.

2,354,200
METHOD OF DRYING HIDES AND SKINS
Wallace M. Cutler, Gloucester, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 25, 1940, Serial No. 367,055
14 Claims. (Cl. 69—21)



1. That improvement in methods of drying wet freshly tanned hides and skins which comprises, freezing such a hide or skin quickly, and removing water from such frozen hide or skin while the latter is kept at sub-freezing temperatures until it is dried to an air-dry condition.

2,354,201
SHOCK ABSORBER FOR FLUID FLOW INSTALLATIONS
William R. Dand, Altadena, and William E. Steen, Pasadena, Calif., assignors to Smith Meter Company, Los Angeles, Calif., a corporation of California
Application April 13, 1942, Serial No. 438,788
3 Claims. (Cl. 138—30)



1. In a device of the character described, a housing having a substantially cylindrical bore, a pneumatic tube within the housing bore, a hollow inlet stem carried by the tube and projecting through one wall of the housing to the exterior thereof, the bore of the housing having a portion with enlarged inside diameter, there being a flow line inlet opening radially to the enlarged portion of the housing bore, a cylindrical screen extending across said portion but annularly spaced from the inner face thereof, said tube extending through the screen bore, the inside diameter of the screen being substantially equal to the diameter of the bore of the housing at opposite sides of the enlarged portion, said screen having its ends folded over to provide external reenforcing rings, and said rings being circumferentially seated in the housing at opposite sides of said enlarged bore portion and holding the screen axially alined with the housing bore.

2,354,202
CONVERTIBLE PEN-PLAYHOUSE
Samuel L. Dennis, Elizabethtown, N. C.
Application September 18, 1941, Serial No. 411,425
7 Claims. (Cl. 20—2)

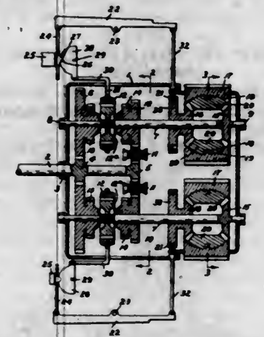


1. A combined playpen and playhouse comprising front and rear walls, each wall including a plurality of vertical studs, a plurality of horizontally disposed vertically spaced apart slab members simulating logs secured to said studs, a substantially V-shaped cornice structure and a head plate secured to said cornice structure and extending upwardly from the uppermost of said slab members, a pair of vertically disposed side walls disposed in laterally spaced relation with respect to the vertical edges of said front and rear walls, and a pair of picket elements interposed between each side wall and the adjacent edges of said front and rear walls whereby to form with said side walls a pair of playpen areas outwardly from the opposite vertical edges of said end walls the slabs forming the front and rear walls of said playpen adapted to be removed and inserted in the spaces between the slabs forming the front and rear walls of said playhouse, to thereby form closed front and rear walls for said playhouse.

2,354,203
METHOD OF TREATING WELLS
Allen D. Garrison, Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application January 30, 1941, Serial No. 376,652
14 Claims. (Cl. 252—8.55)

1. The method of treating a water-wet oil-producing sand to render the sand more permeable to oil and less permeable to water, which comprises depositing upon the sand grains an oil insoluble film coating of a polyvalent metal salt of a low molecular weight fatty acid and wetting said film coating with petroleum oil.

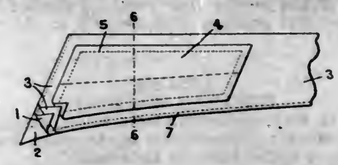
2,354,204
TURRET DRIVE FOR GUNS
George C. Gentry, United States Army, Oakwood, Ohio
Application April 21, 1941, Serial No. 389,608
14 Claims. (Cl. 74—264)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Power transmission mechanism comprising rotatable power input means, a plurality of rotatable power output means and a reversible driving connection between the power input means and each of said power output means, coupling means for each of said power output means, said coupling means comprising differential gearing having an idler gear, a brake for said idler gear, and a single control means for each reversible connection and its corresponding coupling means.

2,354,205
COLLAR AND METHOD OF MAKING THE SAME
Harry Gleekman, Boston, Mass.
Application April 7, 1943, Serial No. 482,119
7 Claims. (Cl. 2—132)

1. A fabricated collar for shirts comprising an outside face section and a complementary inside section of substantially shorter length and substantially narrower width than the face section stitched thereto in parallelism with and in proximity to the ends and lower edges by a lock stitch seam of gathering stitches in which the locking thread lies on the outside of the face section and the greater tension of the needle thread causes

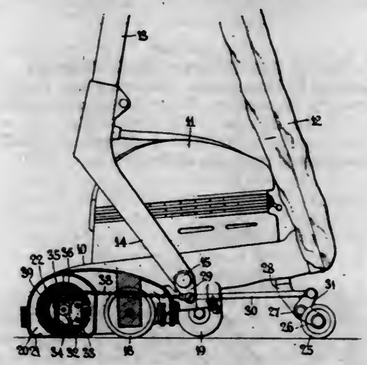


such fullness in the face section as to prevent the side and corner portions of the collar from concavely curving outwardly.

2,354,206
FUNGICIDE
Marion C. Goldsworthy, Takoma Park, Md., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application November 7, 1942, Serial No. 464,862
3 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A fungicidal composition comprising phthalic diphenyl guanidine and at least one member of the group consisting of lime, calcium carbonate, talc, bentonite, clay, and fuller's earth.

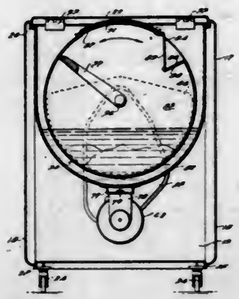
2,354,207
SUCTION CLEANER
Llewellyn A. Griffith, Buffalo, N. Y.
Application June 13, 1941, Serial No. 397,925
6 Claims. (Cl. 15—8)



1. In a suction cleaner, a nozzle having a downwardly directed mouth adapted to be disposed substantially in contact with a surface supporting said cleaner, a brush disposed in said nozzle with its brushing surface normally in substantially the plane of said mouth, and means for adjusting the vertical disposition of said brush with said nozzle substantially in contact with said surface, said means comprising means for releasably gripping said brush in any vertical position and retaining the same in such position, a manipulating handle for said cleaner pivotably movable from an operating to a parked position, means acting between said handle and said releasable gripping means whereby movement of the former to parked position releases said gripping means to permit said brush to come to rest upon said surface and automatically assume its desired normal position with respect to said nozzle mouth,

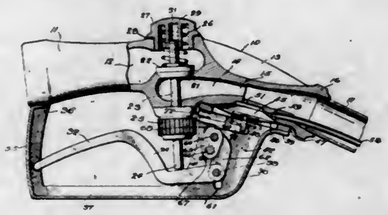
subsequent movement of said handle to operative position resulting in gripping of said brush by said gripping means and retention thereof in desired normal position with respect to the nozzle mouth.

2,354,208
WASHING MACHINE
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application February 23, 1940, Serial No. 320,348
13 Claims. (Cl. 68—61)



1. The combination in a clothes washing machine, of a rotor, a radially disposed rib extending inwardly from the periphery of the rotor, means for oscillating the rotor, and a vane within the rotor for engaging and squeezing the clothes against the said rib during each cycle of oscillation.

2,354,209
GASOLINE DISPENSING NOZZLE
Lowell F. Hammand, Washington, D. C.
Application November 18, 1941, Serial No. 419,524
10 Claims. (Cl. 226—127)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A dispensing nozzle having a normally closed valve, manually operated means to open the valve and release it for closing, and automatic means to release the valve when the tip of the nozzle is submerged, said means comprising a toggle for holding the manually operated means in operative position, a diaphragm exposed to suction from the material flowing through the nozzle and to the atmosphere through a vent in the tip of the nozzle, and a latch lever for the toggle pivoted at one end on the nozzle and at the other end on the diaphragm and having a latch projection between the ends for engaging the toggle to lock it in holding position.

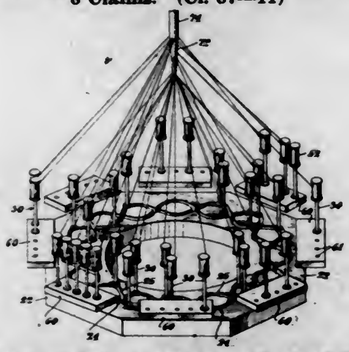
2,354,210
POLYMERIZATION OF ACRYLIC COMPOUNDS
Ralph A. Jacobson, Landenburg, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 20, 1942, Serial No. 462,750
12 Claims. (Cl. 260—83)

1. In the polymerization of a polymerizable mass containing an acrylic compound, the improvement which comprises carrying out the polymerization reaction in the presence of an N-chlorinated hydantoin.

2,354,211
INSULIN PREPARATION
Everett H. Lang, Tuckahoe, and Johannes S. Buck, Bronxville, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 2, 1940, Serial No. 343,556
8 Claims. (Cl. 167—75)

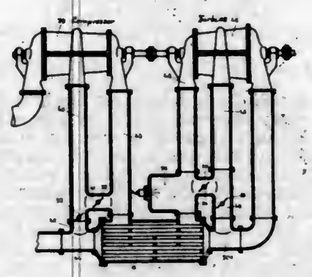
1. The process of preparing an insulin preparation having a prolonged effect which comprises condensing under acid conditions a formaldehyde substance with a substance selected from the group consisting of alkoxyphenethylamines and their salts and alkoxyphenethylamines quaternary ammonium derivatives, to produce a reaction product which is capable of forming a precipitate with insulin at a pH value of between 6.0 and 8.0 and incorporating insulin with said product.

2,354,212
METHOD OF AND APPARATUS FOR BRAIDING
Norman C. Jeckel, Glens Falls, N. Y., assignor to United States Catheter & Instrument Corp., a corporation of New York
Application February 5, 1942, Serial No. 429,603
8 Claims. (Cl. 87—11)



1. The method of making a braided tubular product characterized by a substantially uniformly tight and closely braided weave throughout the length thereof, which comprises braiding a plurality of threads sufficient in number to form a tube, and thereafter changing in step-like order the number of threads entering into the braiding operation and thereby varying the diameter of the product, and throughout the braiding operation maintaining under tension all of the threads that are currently participating or have previously participated in the braiding operation, and thereafter cutting the product to the desired length and trimming the unbraided portions of the threads which have not entered into the braiding operation.

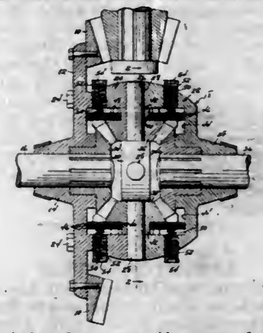
2,354,213
ROTARY ENGINE, MAINLY GAS TURBINE
George Jendrassik, Budapest, Hungary; vested in the Alien Property Custodian
Application November 29, 1940, Serial No. 367,702
In Hungary November 25, 1939
1 Claim. (Cl. 60—41)



In a set of machinery, a multi-stage gas turbine performing useful work, a multi-stage compressor of the rotary blade type delivering the working fluid for and being driven by the said turbine, a direct connection between the discharge port of the compressor and the inlet port of the turbine including a combustion chamber for introducing heat into the compressed working fluid before its entering the turbine, a by-pass duct connecting intermediate bleeding and admission apertures on the casings of the compressor and turbine, respectively, and communicating with the said combustion chamber, a duct branched out from the by-pass duct part between the compressor and the combustion chamber so as to communicate with the atmosphere, another duct branched out from the by-pass duct part between the combustion chamber and the turbine so as to communicate with the discharge duct of the turbine, and closing members, suitable also for completely closing the controlled cross-sections, provided in the said branch ducts as well as in the by-pass duct parts between the combustion chamber and their branching points, the said bleeding and admission apertures being selected at such intermediate stages of practically equal pressures of the compressor and turbine as to enable the figures of flow speeds, set up at starting and when operating on part load in the various stages of these engines and deviating from the desirable figures of speed ensuring high efficiency with the given design in the case of normal operation, to be shifted towards the said desirable speed figures.

2,354,214
DIFFERENTIAL GEARING
Ernest R. Lockwood, Joliet, Ill.
Application April 13, 1942, Serial No. 438,833
4 Claims. (Cl. 74—315)

1. Restraining means for differential gearing having a plurality of spider gears rotatably mounted in a housing in engagement with gears fixed on axle shafts extending into the housing, comprising a first set of friction members fixed to each spider gear and disposed concentrically of its axis, a second set of friction members arranged in alternate face to face assembly with said first set and having non-rotary engagement with the housing, and a plurality of springs mounted in the housing perpendicularly to and bearing against said friction members to resiliently maintain the respective members in frictional engagement to restrain rotation of said spider gears.

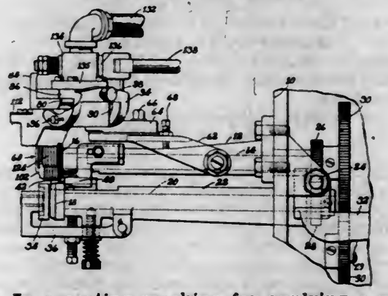


2,354,215
EDGE ORNAMENTATION FOR FABRICS
Frederick Lutz, Stuttgart, Wurttemberg, Germany; vested in the Alien Property Custodian
Original application September 8, 1939, Serial No. 293,903. Divided and this application May 6, 1940, Serial No. 333,562. In Germany October 26, 1938
2 Claims. (Cl. 112—262)



1. The method of ornamenting the edge of a piece of fabric which comprises the provision of a plurality of loops in chain stitch formation, said loops projecting outwardly from the fabric edge with the inner ends of the loops penetrating the fabric at substantially a single point, continuing the chain stitch formation from the last-formed loop along the edge of the fabric to the first loop of a like plurality of loops in substantially spaced relation to the first plurality, and continuing the cycle along the edge of the fabric.

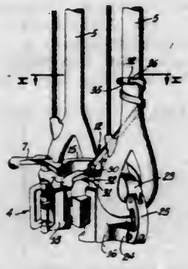
2,354,216
SOLE MARGIN CEMENTING MACHINE
Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 27, 1940, Serial No. 371,948
12 Claims. (Cl. 91—12)



1. In a coating machine for applying a marginal band of coating material to work pieces, a

nozzle comprising a support, a plurality of delivery plates arranged side by side and each provided with a passage terminating in an outlet opening, means on said support guiding said plates for rectilinear movement toward and away from a piece of work presented thereto, and individual supply tubes mounted on said support with their axes in unvarying relation to that support, said tubes being connected to said passages in all positions of said plates whereby coating material may be passed through said movable delivery plates to the work without bending the tubes.

2,354,217
ELEVATOR DEVICE
Gird E. Mullinix, San Marino, and Allen E. Hambly, Montebello, Calif., assignors to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application December 9, 1941, Serial No. 422,224
7 Claims. (Cl. 294—90)



1. In a well pipe elevator, the combination of: a pair of body sections cooperating to define a pipe-receiving bore, means pivotally connecting said sections together for relative horizontal swinging movement, latch means for releasably connecting the free ends of the sections together, a pair of supporting links each pivotally supporting a respective body section for tilting movement about a transverse axis, and a resilient tension member connected at one end thereof to one of said links at a point offset vertically from said transverse axis and having its other end connected to one of said body sections at a point offset laterally from said transverse axis.

2,354,218
OPERATION AND LUBRICATION OF MECHANICAL APPARATUS
William S. Murray, Utica, N. Y., assignor to Indium Corporation of America, a corporation of New York
No Drawing. Application June 3, 1940, Serial No. 338,583
14 Claims. (Cl. 252—35)

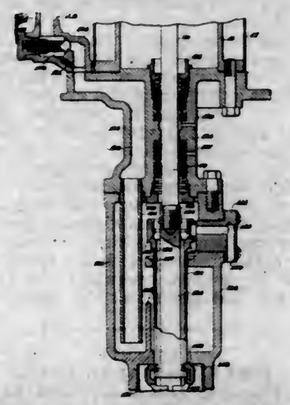
1. In the operation of apparatus including relatively moving substantially contacting surfaces at least one of which is non-ferrous and capable of diffusing indium therein, the improvement which comprises applying to said surfaces during operation of said apparatus a fluid containing a substance adapted to deposit metallic indium on said non-ferrous surface under the conditions of operation.

2,354,219
SPRING SUSPENSION
Gaylord W. Newton, Seattle, Wash., and Paul Heftler, Grosse Pointe Park, Mich.
Application June 16, 1937, Serial No. 148,552
In Canada August 20, 1936
32 Claims. (Cl. 280—124)



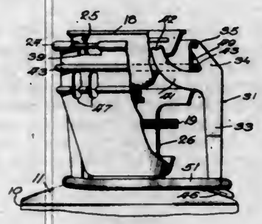
6. In a vehicle, a frame, an upright king pin support near one end of the vehicle, a king pin carried by said support, a steering knuckle rotatable on said king pin, a ground engaging wheel rotatably mounted on said steering knuckle, braking mechanism for said wheel including a backing plate fixed to said steering knuckle, an upper link member connected to the frame and to the top of the king pin support, and a lower link member connected to the frame and to the bottom of the king pin support, said link members extending transversely and substantially horizontally and their connections to the king pin support being by pivots having definite axes which converge towards a point which is nearer to the other end of the vehicle and nearer to the longitudinal center line of the vehicle than is the king pin support.

2,354,220
FLUID PUMP
James J. Pelouch, Cleveland, Ohio, assignor to The United States Air Compressor Company, a corporation of Ohio
Original application May 6, 1938, Serial No. 206,409. Divided and this application October 16, 1941, Serial No. 415,290
10 Claims. (Cl. 103—203)



1. A fluid pumping device comprising, in combination, cylindrical means, piston means reciprocally mounted in the cylindrical means, means for causing the piston means to draw fluid into the cylindrical means, said cylindrical means having a fluid outlet through which fluid is expelled upon a movement of the piston means in one direction, said cylindrical means also having an air pocket at a higher level than the fluid outlet to entrap air liberated from the fluid, means to vent said air pocket, and means mechanically connected to, and responsive to the movement of, the piston means in the opposite direction to positively open said vent means by said movement and to allow the entrapped air to escape, said piston means displacing fluid in the air pocket in the upper level of said cylindrical means to force entrapped air therefrom.

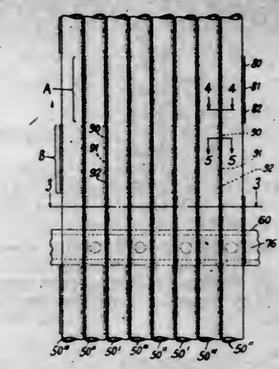
2,354,221
STOVE
Bestor Robinson, United States Army, Oakland, Calif.
Application July 24, 1942, Serial No. 452,147
12 Claims. (Cl. 126—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



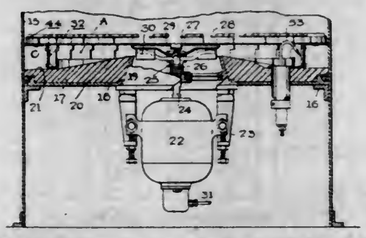
1. In a miniature stove, the combination of a fuel reservoir, a burner, a burner housing, and utensil supporting means arranged to be selectively positioned in an operating position wherein the means are adapted to support a cooking utensil above the stove burner and in an inoperative position wherein the supporting means lie in nested position close to the burner housing and reservoir, the supporting means including an upper portion of said housing comprising a rolled bead and reenforcing wire within said bead, a plurality of notches in the bead portion of the housing at regular intervals around its periphery to leave the reenforcing wire exposed, a pivoted supporting bracket associated with each of said notches, said brackets being pivoted on the aforementioned wire and including a utensil supporting arm and a supporting brace below the utensil supporting arm and terminating in a locking seat, a shiftable ring member mounted on the burner housing and arranged to be engaged by each of the said seats to maintain all of the brackets in generally horizontal extended position, and perforations in the burner housing corresponding with each of the brackets to receive the supporting braces thereof and to thus permit the brackets to be pivoted downwardly in nested relationship with the burner housing.

2,354,222
FLUID HEAT EXCHANGE INSTALLATION
Rolfe Shellenberger, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application December 4, 1941, Serial No. 421,565
18 Claims. (Cl. 122—235)

1. In a fluid heat exchange installation, closely arranged fluid conducting tubes arranged to present a wall exposed to the heat of furnace gases, restraining means limiting separation of the tubes in the plane of the wall, and a plurality of metallic elements disposed within channels substantially defined by adjacent tubes and substantially closing off the inter-tube spaces laterally of the plane of the tube centerlines, the elements within each of said channels being arranged in end-to-end relationship with each element secured to one tube only and successive elements secured to different tubes.



2,354,223
OIL-BURNING APPARATUS
William J. Smith, Rocky River, and Anthony von Haase, Lakewood, Ohio, assignors to Cleveland Steel Products Corporation, Cleveland, Ohio, a corporation of Ohio
Application May 31, 1941, Serial No. 396,082
26 Claims. (Cl. 158—4)

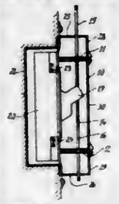


1. In an oil burning apparatus of the wall flame type having a combustion chamber provided with an upright wall and a refractory hearth bed extending to said wall, a combustion ring disposed near the periphery of said hearth bed and having a substantially continuous, vertically disposed, oil intercepting and vaporizing wall, said intercepting and vaporizing wall comprising a plurality of metallic sections, each interlocked with an adjacent section, and a fixed substantially continuous vertically extending air deflecting wall spaced inwardly from and of lesser height than said vaporizing wall, and means extending between said air deflecting wall and said segments for maintaining said segments in uniformly spaced relation with respect to said air deflecting wall.

2,354,224
PROTECTIVE COVERING FOR ELECTRICAL OUTLET BOXES
Irving L. Stein, Brooklyn, N. Y.
Application November 13, 1940, Serial No. 365,416
2 Claims. (Cl. 200—168)

1. A temporary cover for an electrical outlet box comprising a rigid casing, rigid side walls downwardly extending from said casing, rigid end walls downwardly extending from said casing,

slots disposed in said end walls of said casing, a sliding actuating arm having a central opening and a slot disposed longitudinally along said arm at each end of said arm, said arm being disposed



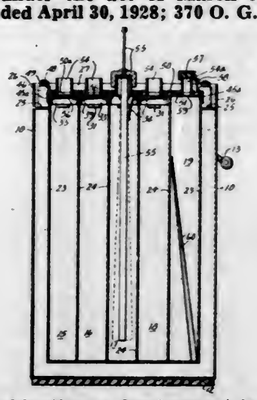
in said end wall slots of said casing, openings in said casing, fastening means disposed in said openings, said sliding actuating arm being positioned to ride by means of said slots on said fastening means.

2,354,225

DEVELOPING TANK

Harold F. Stiffler, Medway, Ohio

Application September 13, 1943, Serial No. 502,184
6 Claims. (Cl. 95—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a development tank having at least one compartment into which a film holder may be inserted from the top; an anti-splash door supported at the upper end of the compartment and having a horizontal spring hinge so that the door will yield to a downward thrust from a film holder during insertion and will automatically rise to a horizontal position wherein the compartment is substantially closed but not sealed; a lid having a compartment-sealing gasket on its underside and having an opening so located that a film holder may be inserted through the opening and through the gasket and past the door into the compartment, when the lid is in clamped position; and means removably clamping the lid on the tank in sealing relation to the compartment.

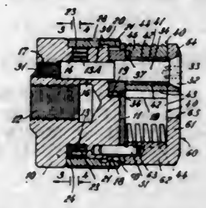
2,354,226

KEYLESS CHUCK

Arthur Merrick Stoner, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a corporation of Connecticut

Application June 26, 1942, Serial No. 448,558
6 Claims. (Cl. 279—33)

1. A chuck comprising a rotatable body, a nose piece having a transverse plate, angularly spaced legs projecting from said transverse plate arranged to space said plate from the body, posts having heads engaging the plate and screwed into spaced threaded holes formed in the body parallel to the axis thereof to secure the nose piece to the body, said posts having parts intermediate their heads and the portions thereof in the holes in the body, eccentric clamping jaws



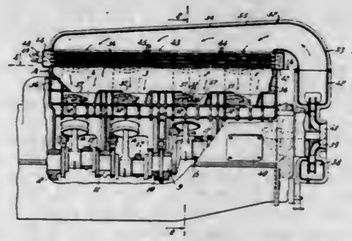
between the body and the plate of the nose piece rotatably mounted on said intermediate parts of the posts, the intermediate part of at least one of the posts being eccentric to the part thereof in the hole in the body, a sleeve rotatably supported by the body, and means for causing the rotation of the sleeve on the body to impart a simultaneous rotation of the clamping jaws on said posts.

2,354,227

INTERNAL-COMBUSTION ENGINE

Otto E. Szekely, Philadelphia, Pa., assignor to Martin Motors, Inc., Dover, Del., a corporation of Delaware

Original application September 23, 1941, Serial No. 411,956. Divided and this application February 25, 1942, Serial No. 432,315
6 Claims. (Cl. 123—55)



1. In an internal combustion engine having a cylinder, a plurality of tangentially directed air inlet ports through its walls and arranged around the circumference thereof, a charging air supply, an inlet chamber to convey air to be admitted into the cylinder to said inlet ports, said chamber having therein air directing vanes between adjacent inlet ports and cooperating therewith to set the air to be admitted into the cylinder in rotation, said inlet chamber being of spiral form having its large end connected with said charging air supply and its small end disposed close to but slightly spaced from said vanes.

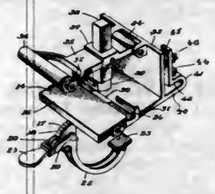
2,354,228

SAW JOINTING DEVICE

George A. Vaipan, Tyonek, Territory of Alaska

Application July 8, 1942, Serial No. 450,167
1 Claim. (Cl. 76—63)

In a saw jointing device, the combination with a flat horizontal base having a vertical wall rising from one edge thereof, of a first plate extending horizontally from said vertical wall outwardly of the base, a return bend at the outer end of said plate, a second plate extending from the return bend toward the wall spaced above and parallel with the first plate, said first and second plates and return bend forming an approximately U-shaped structure, a third plate



rising vertically from the inner end of the second plate spaced from and parallel with the outer face of the wall to provide a saw guide slot, a screw threaded horizontally through an opening in the third plate, and a screw threaded vertically through the second horizontal plate for clamping a file between said first and second plates.

2,354,229

ALLYLCHLOROMETHYL SULPHIDE

Lewis A. Walter, East Orange, N. J., assignor to The Maltbie Chemical Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application February 28, 1942, Serial No. 432,885
1 Claim. (Cl. 260—609)

As a novel and useful organic chemical compound, allylchloromethyl sulphide having the formula: $CH_2{=}CH{-}CH_2SCH_2Cl$.

2,354,230

CHLOROMETHYL SULPHIDE

Lewis A. Walter, East Orange, N. J., assignor to The Maltbie Chemical Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application February 28, 1942, Serial No. 432,886
4 Claims. (Cl. 260—609)

1. As a new and useful compound: a chloromethyl sulphide having the formula:

$$RSCH_2Cl$$

wherein R represents a saturated hydrocarbon group containing more than three but not more than eight carbon atoms, and has a secondary carbon atom attached directly to the sulphur of the thiomethylene group.

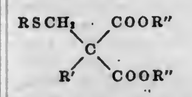
2,354,231

DISUBSTITUTED MALONIC ESTER

Lewis A. Walter, East Orange, N. J., assignor to The Maltbie Chemical Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application February 28, 1942, Serial No. 432,887
16 Claims. (Cl. 260—481)

1. As a new compound: a disubstituted malonic ester having the formula:



wherein R and R′ are hydrocarbon groups, each of which contains not more than six carbon atoms, and R′ has a carbon atom directly attached to the methylene carbon of the malonic ester, R has a carbon atom directly attached to the sulfur of the thiomethylene group, and the sum of the carbon atoms in R and R′ does not exceed 10; and wherein each R″ group is a lower alkyl group.

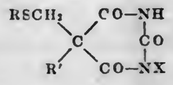
2,354,232

BARBITURIC ACID DERIVATIVES AND ITS SALTS

Lewis A. Walter, East Orange, N. J., assignor to The Maltbie Chemical Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application February 28, 1942, Serial No. 432,888
32 Claims. (Cl. 260—257)

1. As a new and useful composition of matter, a 5,5 disubstituted barbituric acid derivative having the formula



wherein R and R′ are hydrocarbon groups, each of which contains not more than six carbon atoms, and wherein the sum of the carbon atoms in R and R′ does not exceed 10, R has a carbon atom attached directly to the sulfur of the thiomethylene group, and R′ has a carbon atom attached directly to the carbon atom forming the barbituric acid nucleus; and wherein X is a member selected from the class consisting of hydrogen, alkali-metal, an equivalent of alkaline-earth metal, ammonium, mono-alkyl ammonium, dialkyl ammonium, alkanol ammonium, and an equivalent of alkylene diammonium.

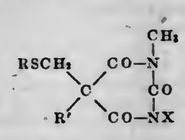
2,354,233

I-METHYLBARBITURIC ACID DERIVATIVE AND ITS SALTS

Lewis A. Walter, East Orange, N. J., assignor to The Maltbie Chemical Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application February 28, 1942, Serial No. 432,890
20 Claims. (Cl. 260—257)

1. As a new and useful composition of matter, a 5,5 disubstituted 1-methylbarbituric acid derivative having the formula:



wherein R and R′ are hydrocarbon groups, each of which contains not more than six carbon atoms, and wherein the sum of the carbon atoms in R and R′ does not exceed 10, R has a carbon atom attached directly to the sulfur of the thiomethylene group, and R′ has a carbon atom attached directly to the carbon atom forming the barbituric acid nucleus; and wherein X is a member selected from the group consisting of hydrogen, alkali-metal, an equivalent of alkaline earth metal, ammonium, monoalkyl ammonium, dialkyl ammonium, alkanol ammonium, and an equivalent of alkylene diammonium.

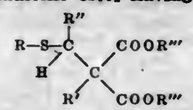
2,354,234

DISUBSTITUTED MALONIC ESTER AND PROCESS OF PREPARING THE SAME

Lewis A. Walter and Louis H. Goodson, East Orange, N. J., assignors to The Maltbie Chemical Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application May 6, 1942, Serial No. 441,972
25 Claims. (Cl. 260—481)

1. As a new and useful chemical compound, a disubstituted malonic ester having the formula:



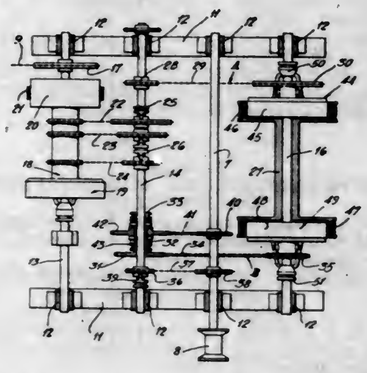
wherein R, R' and R'' are hydrocarbon groups each of which contains not more than six carbon atoms, and wherein the sum of the carbon atoms in R, R' and R'' does not exceed 10; and wherein R has a carbon atom directly attached to the sulfur atom of the thiocarbinyl group; and wherein each R''' is a lower alkyl group.

2,354,235

DRAW WORKS WITH COMPOSITE DRIVE

George W. Walton, Beverly Hills, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California

Application February 19, 1941, Serial No. 379,719
12 Claims. (Cl. 254—187)



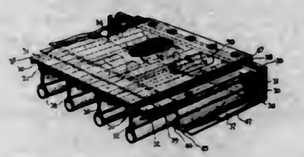
8. In a drawworks of the character described, the combination of: a support; a jack shaft on said support; a line shaft on said support; a drum shaft on said support; a drum on said drum shaft; a first driven sprocket on said drum shaft at one end of said drum; a second driven sprocket on said drum shaft at the other end of said drum; first and second friction clutches operative to connect said first and second driven sprockets respectively to said drum; means for driving said line shaft from said jack shaft; a first drive sprocket drivable by said line shaft and being connected to said first driven sprocket for driving said drum at a relatively low speed; a quill on said line shaft having thereon a second drive sprocket connected to said second driven sprocket for driving said drum at a relatively high speed; a quill clutch on said line shaft for clutching and unclutching said quill onto said line shaft; and auxiliary sprocket rotatable on said quill; auxiliary clutching means for clutching said auxiliary sprocket to said quill; and speed reducing sprocket and chain means connecting said line shaft and said auxiliary sprocket, said speed reducing means being of such value that when said quill clutch is released and said auxiliary clutching means is engaged, said second drive sprocket will drive said second driven sprocket at the same speed of rotation as said first driven sprocket.

2,354,236

AIRCRAFT WING MOUNTING MEANS

Michael Watter and Harry J. Scammell, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania

Application March 6, 1943, Serial No. 478,229
20 Claims. (Cl. 244—123)



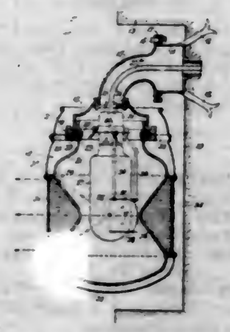
1. The combination in an airfoil of the stressed skin type of opposed skin blankets and wing attaching means, each of said blankets comprising a metallic skin and spanwise extending reinforcing elements of substantial depth secured to said skin internally of the wing, and said attaching means comprising for each of said skin blankets a chordwise extending attaching member adjacent the ends of said reinforcing elements and a pair of spaced stress transfer plates substantially coextensive with the attaching member, said plates being rigidly secured to opposite sides of the reinforcing elements and overlapping the opposite sides of the attaching member, and means rigidly clamping the attaching member between the stress transfer plates.

2,354,237

PROJECTOR

Rudolf Wendel, Roslyn Heights, N. Y.

Application January 11, 1941, Serial No. 374,039
5 Claims. (Cl. 240—26)



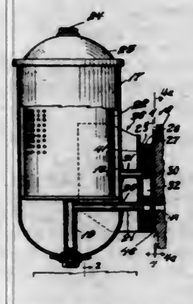
1. A light projector for projecting a substantially parallel beam into a region wholly outside the projector, comprising a source of light and a transparent casing about the same, the projector being adapted to be immersed in a transparent body of liquid, the outer surface of said casing being shaped in dependence upon the index of refraction of the mass of transparent liquid which is to be in contact with such outer surface of the casing during the use of the projector so as to form a liquid lens surface at which the light rays from said source are bent into a substantially parallel beam and travel as such through the body of liquid, and shields disposed about the projector and adapted to prevent intense illumination of objects in the vicinity of the projector and thereby aid in concealing the source of the light.

2,354,238

OIL FILTER

James W. Wilkinson, Ann Arbor, Mich., assignor to Fram Corporation, a corporation of Rhode Island

Application August 9, 1941, Serial No. 406,149
4 Claims. (Cl. 184—6)



1. In combination, an engine having a casing with a ground face and a pair of conduits of the lubricating system of the engine having a pair of terminal openings in said ground face, a filter comprising a casing containing a filtering medium and having a wall with inflow and outflow openings providing another pair of terminal openings, said pairs of terminal openings being so related that at least one of the openings of one pair is out of alignment with one of the openings of the other pair when presented one pair to the other, a rigid middle plate member between said ground face and wall provided with an opening through the thickness thereof to register with one terminal opening in said ground face and one terminal opening in said wall and provided with another opening through the thickness thereof of elongated shape having one portion thereof extending to the other opening in said ground face and another portion thereof extending to the other opening in said wall whereby to cause communication between the out of alignment pairs of terminal openings in the face and wall.

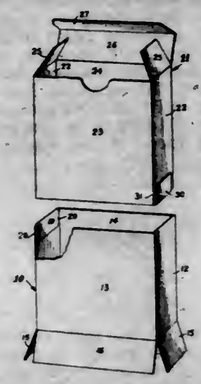
2,354,239

TELESCOPIC CONTAINER

Marshall I. Williamson, New York, N. Y., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey

Application September 6, 1941, Serial No. 409,794
4 Claims. (Cl. 229—23)

1. A folding box comprising a plurality of box sections telescopically inter-related in close sliding fit, each of said box sections being hollow-formed from foldable paper box board to provide wall panels which include two oppositely related, narrow, side wall panels separated by relatively broad panel wall means, said narrow, side wall panels being provided with respective tabs which are folded into face-to-face contacting relationship therewith, the several tabs being arranged in corresponding pairs as limit-stops for co-operation in edge-to-edge abutment when the said sections are in extended position, thereby limiting the extent of telescopic extension of said box.



2,354,240

WAFFLE IRON AND THE LIKE

Allan M. Young, Meriden, and Joy C. Adams, Fairfield, Conn., assignors, by mesne assignments, to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware

Application December 26, 1940, Serial No. 371,696
17 Claims. (Cl. 99—372)



1. In an electric cooking appliance a lower part having a grid element therein, a lid part having a grid element therein mating the grid element of the lower part, said lid part being wholly supported upon the upper surface of said grid element, said lid being liftable about the lower part to assume angular positions with respect thereto while still supported thereon, and a fastening means between the parts permitting the lifting of the lid part comprising a guide channel in one of said parts, and a pin movable in said guide channel and pivotally connected with the other part, with the edge of the lid part in the vicinity of the fastening means sliding along the corresponding surface of the other part as a bearing support when the lid is lifted to assume angular positions with respect to the other part.

2,354,241

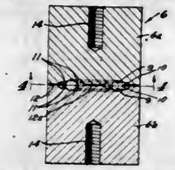
SELF-TRIMMING MOLD

Volney S. Anderson, Los Angeles, Calif.

Application March 30, 1942, Serial No. 436,785
5 Claims. (Cl. 18—42)

4. A device for molding plastic articles comprising companion master plates, a pair of spacer ribs detachably disposed transversely of each plate, the ribs of each plate being adapted to have face to face contact with the ribs of the other plate, registering mold receiving recesses

in the plates between adjacent ribs, companion mold elements mounted in opposed relationship with their inner ends in the said recesses, mating article cavities and adjacent mating overflow cavities in the adjacent faces of the mold elements, registering wall portions on said companion mold elements between the article and overflow cavities, the outer surface of said wall portion of each mold element providing a cutting edge and being adapted to be positioned coplanar with the outer faces of the spacer ribs carried



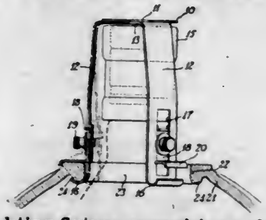
by the plate in which the mold element is mounted, and means for adjustably securing the respective mold elements in the respective mold receiving recesses whereby to so aline the outer surfaces of the respective wall portions with said spacer ribs, said means including a spacer member interposed between the inner end of each mold element and the bottom of the recess and a screw extending through the carrying master plate and threadedly engaging the inner end of the mold element.

2,354,242

LIGHTING FIXTURE SHADE AND HOLDER

Gillson W. Beals, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application March 16, 1943, Serial No. 479,331
3 Claims. (Cl. 240—131)



1. A lighting fixture comprising a shade having a neck portion at the top provided with a central opening, the lower face of the neck portion adjacent the opening including a downwardly facing annular bead whose outer surfaces extend upwardly and outwardly, and a holder having a top plate, a plurality of downwardly extending yieldable spring fingers secured to the plate, the fingers being bendable toward one another so that they may be passed through the opening in the shade, their ends being hook shaped to fit about the bead, the spring fingers being slotted and each carrying a slidable clip engageable with the top of the neck of the shade.

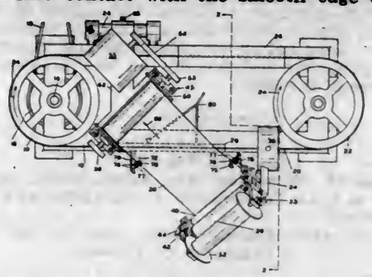
2,354,243

APPARATUS AND METHOD FOR ORIENTING THE SURFACE MOLECULES OF PLASTIC MATERIALS

Robert P. Blake, Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware

Application January 26, 1942, Serial No. 428,336
21 Claims. (Cl. 18—1)

1. Apparatus comprising, in combination, an endless belt of flexible material provided with a relatively smooth edge, means for moving said belt at a predetermined speed, said belt running straight over at least a portion of its course, means for bringing a surface of a sheet of a plastic material into contact with the smooth edge of a



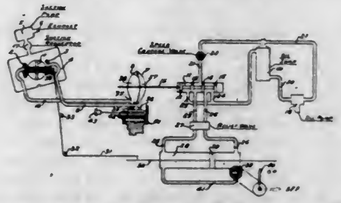
straight portion of said belt, and means for moving said material at a predetermined angle to the direction of motion of said straight portion of said belt from one side of the latter to the other while maintaining said surface in continuous contact with said smooth edge.

2,354,244

METERING DEVICE

Bert G. Carlson, Erieside, Ohio, and Grover Tyler, Seattle, Wash., assignors to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio

Application September 5, 1942, Serial No. 457,422
1 Claim. (Cl. 244—78)



In combination in an automatic pilot, a gyro and a pneumatic system including air pick-offs and an air relay, a hydraulic system including a servo motor and a balanced oil valve operated by said air relay, said air relay having air chambers separated by a flexible diaphragm connected to said oil valve, a gyro box for housing said gyro and air pick-offs, lines of communication between the air pick-offs and their respective air chambers of said air relay, said air chambers having restricted ports to atmosphere, a source of suction leading to said box and said air relay, a single valve means having an aperture in registry with each of said restricted ports and a single control means for said valve means, said valve apertures being staggered and uniformly tapered and adapted upon operation of said valve means to be brought jointly into various stages of alignment with said ports to simultaneously, equally and progressively meter the same.

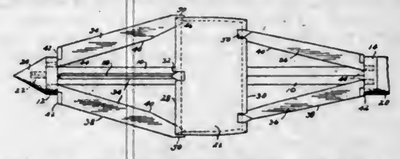
2,354,245

TOOL

Joseph Corbosiero, Fitchburg, Mass.

Application May 17, 1943, Serial No. 487,222
6 Claims. (Cl. 15—104.30)

1. A tool comprising a central rod, a barrel cutter or the like having a forward cutting edge and a rear trailing edge of lesser diameter surrounding the rod in spaced relation thereto, cutter blades locating the barrel cutter relative to the ends of the rod, said blades each having a loose detachable connection at corresponding ends with a cutting edge of the barrel cutter and



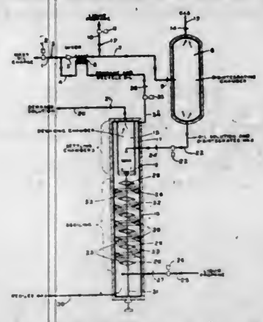
extending therefrom toward the ends of the rod, means to detachably anchor the remaining ends of the blades, and means to clamp said last named means to the rod and the blades to the barrel cutter.

2,354,246

APPARATUS FOR USING NORMALLY GASEOUS SOLVENTS TO SEPARATE WAX AND OIL

Eddie M. Dons and Oswald G. Mauro, Tulsa, Okla., assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware

Application March 2, 1942, Serial No. 432,962
2 Claims. (Cl. 196—18)



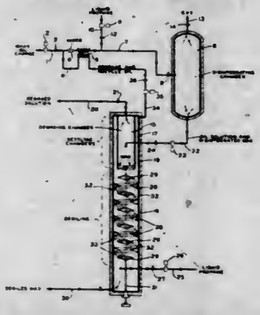
1. In an apparatus for using normally gaseous solvents to separate oil and wax, a wax-disintegrating device wherein wax is precipitated and disintegrated, said wax-disintegrating device comprising a disintegrating chamber having an inlet conductor communicating with sources of wax-containing oil and normally gaseous solvent, pumps to transmit the oil and liquefied normally gaseous solvent to said inlet conductor under pressure, a pressure-reducing valve in said inlet conductor set to suddenly reduce the pressure, thereby suddenly expanding portions of said solvent to forcibly disintegrate the precipitated wax in said disintegrating chamber, dewaxing means including a settling chamber having an inlet communicating with said disintegrating chamber to receive a mixture of liquid oil solution and disintegrated wax, said settling chamber having a wax outlet lower than its inlet to provide for the discharge of a wax stream, and a solution outlet higher than its inlet to provide for discharge of dewaxed oil solution, and deoiling means comprising a countercurrent deoiling system located below and communicating with the wax outlet of said settling chamber to receive a descending stream of wax and oil solution, the lower portion of said countercurrent deoiling system having an outlet for the wax, means for transmitting a rising stream of relatively light deoiling solvent through a descending stream of wax in said countercurrent deoiling system, and alternating baffles located in said deoiling system to deflect the wax and solvent into intersecting paths, the upper portion of said deoiling system being provided with an outlet for the used deoiling solvent, and the last mentioned outlet being higher than the wax outlet of said settling chamber.

2,354,247

PROCESS OF USING NORMALLY GASEOUS SOLVENTS TO SEPARATE WAX AND OIL

Eddie M. Dons and Oswald G. Mauro, Tulsa, Okla., assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware

Application March 2, 1942, Serial No. 432,963
3 Claims. (Cl. 196—18)



1. In the art of using normally gaseous selective dewaxing solvents to chill oil solutions to dewaxing temperatures, the process of dewaxing oil and deoiling the wax which comprises mixing a wax-containing oil with liquefied normally gaseous dewaxing solvent under pressure, to form a dewaxing solution, reducing the pressure to evaporate portions of the solvent, thereby chilling the remaining oil solution to precipitate wax therein, transmitting a mixture of the wax and oil solution into a settling chamber, discharging a stream of dewaxed oil solution from an upper portion of said settling chamber, discharging a stream of wax with portions of the oil solution from a lower portion of said settling chamber to a counterflow deoiling system, transmitting a rising stream of liquefied normally gaseous solvent through a descending stream of wax in said deoiling system, deflecting the counterflowing streams of wax and solvent into intersecting paths in said counterflow deoiling system, so as to forcibly scrub oil solution from the wax, discharging the deoiled wax from a lower portion of said deoiling system, discharging a stream of the used solvent with its dissolved oil solution from an upper portion of said deoiling system while diverting the last mentioned stream from the contents of said settling chamber, and transmitting said last mentioned stream of liquefied normally gaseous solvent and dissolved oil solution to said wax-containing oil, so as to recycle the dissolved oil from said deoiling system and at the same time utilize the last mentioned solvent in forming said dewaxing solution.

2,354,248

WEARING APPAREL

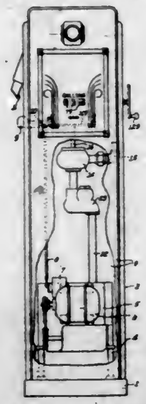
Camille Dreyfus, New York, N. Y.

No Drawing. Application February 24, 1941, Serial No. 380,393
4 Claims. (Cl. 2—97)

1. Garments of laminar construction comprising an outer fabric, a lining of textile fabric and

therebetween as an inner lining a loosely attached thin film or foil comprising an organic derivative of cellulose united at local areas only by the application of heat and pressure to at least one of the other components.

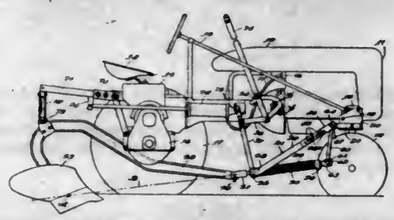
2,354,249
GASOLINE DISPENSING APPARATUS
Earl E. Eickmeyer and Anthony G. Horvath, Dayton, Ohio, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Original application March 22, 1938, Serial No. 197,524. Divided and this application March 26, 1942, Serial No. 436,266
3 Claims. (Cl. 222—30)



1. In a gasoline dispensing apparatus, means responsive to the flow of gasoline dispensed for setting up printing wheels on printing mechanism operatively associated therewith, means to cause said printing mechanism to print initial and final readings on a strip, means for feeding said strip through said printing mechanism, a hose hook and means for feeding the paper strip to a position so as to receive the final printing operation comprising a reciprocating member, a rotary member actuated by said reciprocating member for actuating the paper strip feed, means for causing a final printing operation connected to be actuated by said hose hook whereby when said hose nozzle is placed on said hook said reciprocating member and rotary member are actuated to cause the feeding of said paper strip followed by the final printing operation thereof and zero resetting means adapted to again operate said strip feeding means and printing mechanism.

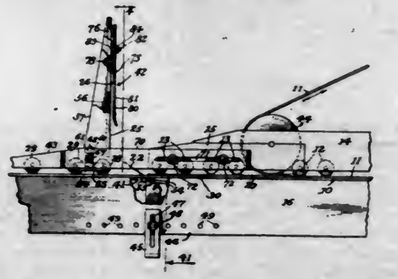
2,354,250
TRACTOR-MOUNTED IMPLEMENT
Arthur G. Evans, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 11, 1942, Serial No. 438,579
2 Claims. (Cl. 97—47)

1. In combination, a tool-supporting structure, a working-tool structure adapted to be connected to the tool-supporting structure and including a working tool, a longitudinally extending beam for the working tool, and a cushioning spring hitch device for connecting the tool beam to the tool-supporting structure, said cushioning spring hitch device including a pull member adjustable in length having forward and rearward end portions, a hitch rod extending through the rearward end of the pull member, a compression spring member adapted to react against the rearward end of the pull member and connected to the hitch rod, means for connecting the forward end portion of the pull member to the tool-supporting structure including a fore and aft pivotable link, and said hitch rod supported at its



forward end on the pivotable link, said link supporting said hitch rod and compression spring in a position substantially in coaxial alinement with the line of draft of the working tool through the hitch point of its beam, whereby said pivotal link serves simultaneously to connect the pull member to the tool-supporting structure and to support the hitch rod for free longitudinal movement.

2,354,251
FOLDING DEVICE
Otto Fiore, Grantwood, N. J., assignor to William W. Fitzhugh, Inc., Brooklyn, N. Y., a corporation of New York
Application August 15, 1942, Serial No. 454,897
12 Claims. (Cl. 270—68)



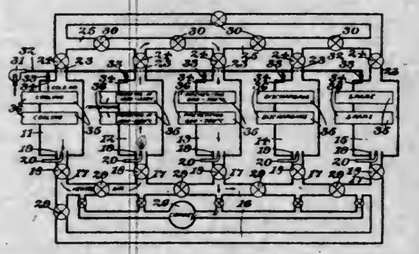
1. A method of folding a cardboard blank having a rear body portion and a forward flap provided with a transverse score line near the body portion; said method comprising supporting and forwardly moving, until folded, the cardboard blank in a flat horizontal plane with the flap initially forward; yieldably slightly upwardly deflecting the forward part of the flap as the blank is moved forwardly; then positively deflecting substantially vertically upwardly the forwardly moving flap; engaging and positively stopping the free end of the upwardly moving flap a distance above the plane of the body portion equal to the distance between the score line and said end, while the body portion in said plane is forced forwardly thereby to cause the flap to fold at the score line; and then folding and pressing the flap onto the body portion while the body portion is moved forwardly.

2. A machine for folding a cardboard blank having a rear body portion and a forward flap provided with a transverse score line near the body portion; said machine comprising means for supporting and forwardly moving until folded, the blank in a horizontal flat plane with the flap initially forward; means for yieldably slightly upwardly deflecting the forward part of the flap as the blank is moved forwardly; means for then positively deflecting substantially vertically upwardly the deflected forwardly moving flap; means for positively stopping the free end of the upwardly moving flap a distance above the plane of the body portion equal to the distance between the score line and said end while the body positioned in said flat plane is formed forwardly thereby to cause the flap to fold at the score line and means for then folding and pressing the flap onto the body portion while the body portion is moved forwardly.

2,354,252
LUBRICATING COMPOSITION
Harold M. Fraser and Thomas Audley Maxwell, New Orleans, La., assignors to International Lubricant Corporation, New Orleans, La., a corporation of Louisiana
No Drawing. Application February 11, 1941, Serial No. 378,444
1 Claim. (Cl. 252—51)

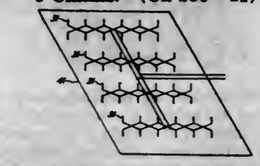
A lubricating composition stabilized against oxidation under temperature conditions prevailing during combustion in the engine cylinder of an internal combustion engine, said composition containing as its principal lubricating constituent a major portion of a mineral lubricating oil having incorporated therein an anti-oxidant and anti-sludge forming agent, comprising a primary phenylene diamine, and an ethanolamine acting as a dispersion agent for the phenylene diamine.

2,354,253
REDUCTION OF MAGNESIUM
Henri Louis Gentil, Paris, France, assignor to Alloy Processes Limited, London, England, a British company
Application March 25, 1940, Serial No. 325,842
In Great Britain April 1, 1939
2 Claims. (Cl. 75—67)



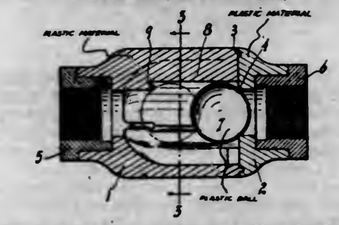
1. A process for the reduction of magnesium consisting in mixing material containing magnesium carbonate with a reducing metal, introducing the mixture into a vacuum chamber, raising the temperature by external heating means to calcining temperature while drawing off CO_2, further raising the temperature to reduction temperature after elimination of the CO_2 while maintaining a high vacuum and drawing off and condensing magnesium vapors, and conducting the heating gases from the reduction operation around a second vacuum chamber so as to raise the material therein to calcining temperature preliminarily to reduction of the material therein.

2,354,254
DIRECTIONAL ANTENNA WITH SUPPRESSED LOBES OR EARS
Ernst Gerhard, Berlin, Germany; vested in the Alien Property Custodian
Application April 17, 1941, Serial No. 388,936
In Germany October 7, 1939
9 Claims. (Cl. 250—11)



1. A directional antenna including a plurality of radiating units, each radiating energy in a pattern having a main lobe and a plurality of supplemental lobes, said units being arranged in a vertical plane normal to the desired line of transmission, one of said units so being shifted laterally in said plane with respect to another that first and second supplemental lobes are suppressed and radiating units adjacent said one and said other unit being shifted laterally in said plane such distance that third supplemental lobes are suppressed.

2,354,255
CHECK VALVE
Donald E. Gillum and Dale H. Van Riper, Los Angeles, Calif.
Application September 22, 1942, Serial No. 459,232
1 Claim. (Cl. 251—121)



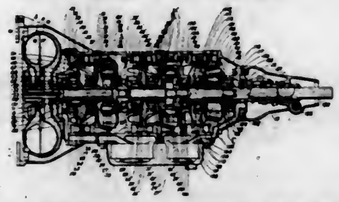
A check valve comprising a hollow body formed of plastic material and having a neck at one end formed with a bore having a reduced inner end portion, the other end of said body forming a flat, annular surface having an annular rib projecting therefrom longitudinally of the body, ribs extending longitudinally in said body along the walls thereof in circumferentially spaced relation to each other and terminating flush with the flat, annular end of said body, said longitudinal ribs having their other end portions of increased depth to provide portions having edges flush with the reduced inner portion of said bore and terminating in nubbins projecting towards the flat, annular end of the body in spaced relation to the free edges of the ribs, a cap of plastic material cemented against the flat, annular end of said body and formed with an annular groove snugly receiving said annular rib, said cap being formed with a bore having an inner end portion of reduced diameter spaced from the free edges of the ribs and sharpened about its inner end to form a valve seat, a hollow valve ball in said body having thin walls and formed of resilient plastic material, said ribs guiding movement of the valve ball through the body between the nubbins and said valve seat, and threaded pipe-receiving ferrules mounted in the bores of the neck and the cap.

2,354,256
CARPET CONSTRUCTION
John E. Gronenberg, Chicago, Ill.
Application April 6, 1942, Serial No. 437,760
5 Claims. (Cl. 28—78)



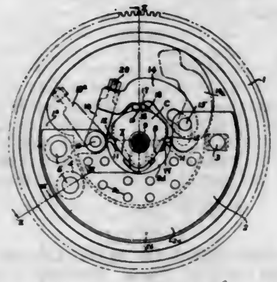
1. As a new article of manufacture, a carpet having rows of standard U-shaped pile tufts and in addition auxiliary U-shaped tufts arranged in parallel and straddled relation with certain of the standard pile tufts and additional auxiliary U-shaped tufts arranged in interspersed relation with, and at right angles to, the standard pile tufts.

2,354,257
TRANSMISSION
Harry R. Greenlee, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application February 25, 1943, Serial No. 477,061
2 Claims. (Cl. 74—272)



1. In a transmission having a fluid coupling comprising an impeller and rotor, the combination therewith of, a first planetary gear system comprising three elements, namely, a sun gear, a ring gear, and a planet carrier having dual planet pinions meshing with said sun gear and said ring gear, a drive shaft for said first planetary gear system conecting one of said elements with said rotor, a first driven shaft connected to a second of said elements, a torque transmitting means for connecting two of said elements to effect a direct drive from said drive shaft to said first driven shaft or for holding the third element of said first planetary gear system against rotation to effect a ratio drive from said drive shaft to said first driven shaft, selectively, a one way brake operable to transmit torque from said drive shaft to said driven shaft with said torque transmitting means in a neutral position, a second planetary gear system comprising three second elements, namely, a second sun gear, a second ring gear, and a second planet carrier having second dual planet pinions meshing with said second sun gear and said second ring gear, said first driven shaft being connected to one of said second elements, a second driven shaft connected to a second of said second elements, a second torque transmitting means for connecting two of said second elements to effect a direct drive from said first driven shaft to said second driven shaft or for holding the third element of said second planetary gear system against rotation to effect a ratio drive from said first driven shaft, to said second driven shaft, selectively, a second one way brake for transmitting torque from said first driven shaft to said second driven shaft in the neutral position of said second torque transmitting means, and a third planetary gear system comprising three third elements, namely, a third sun gear, a third ring gear, and a third planet carrier having single planet pinions meshing with said third sun gear and said third ring gear, said second driven shaft being connected to one of said third elements, a third driven shaft connected to a second of said third elements, and a third torque transmitting means for connecting two of said third elements to effect a direct drive from said second driven shaft to said third driven shaft or for holding the third element of said third planetary gear system against rotation to effect a ratio drive from said second driven shaft to said third driven shaft in a direction opposite the direction of rotation of said first and second driven shafts, selectively.

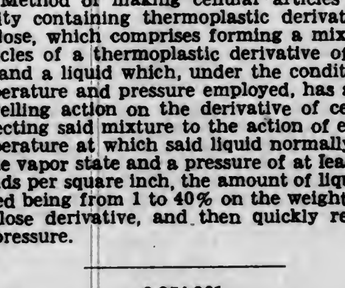
2,354,258
CRANKSHAFT CHUCK
William F. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application August 4, 1941, Serial No. 405,357
8 Claims. (Cl. 82—40)



1. In a center drive crankshaft chuck, a center driving ring gear, a work carrier member floatingly mounted on said ring gear, a pair of abutments fixed on said floating work carrier member for engaging the rough irregular surfaces of a crankshaft web of a crankshaft prelocated on the axis of rotation of said ring gear, a clamping block arranged to simultaneously engage said crank and said floating work carrier member and adapted to be removed from said chucking device when loading and unloading work therein, and clamping means associated with said clamping block and carried on said floating work carrier, adapted to effect firm engagement of the abutments of said work carrier and said clamping block securely on the rough irregular web of said crankshaft, and means for locking said floating work carrier member to said ring when all of said abutments have been securely engaged on said crankshaft web.

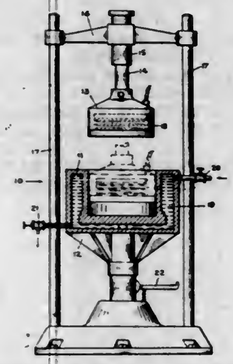
2,354,259
MACHINE FOR MEASURING AND PROPORTIONING PAINTS
Nicholas Grubelic, Great Neck, N. Y.
Application April 14, 1941, Serial No. 388,394
18 Claims. (Cl. 33—126.7)

3. In a machine for proportioning the standard color paint ingredients of a desired mixed paint, a vertically movable indicator, a lever controlling the height of the indicator, a pivot for the lever and adjustable therealong, the indicator being arranged on one side of the pivot, and means for progressively moving that part of the lever on the other side of the pivot for se-



lected distances and thereby raising the indicator different but correspondingly proportionate distances.

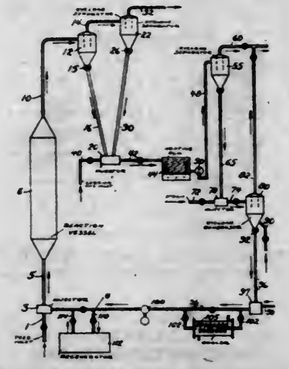
2,354,260
CELLULAR MATERIAL
Clifford I. Haney and Mervin E. Martin, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application April 26, 1941, Serial No. 390,542
8 Claims. (Cl. 18—48)



4. Method of making cellular articles of low density containing thermoplastic derivatives of cellulose, which comprises forming a mixture of particles of a thermoplastic derivative of cellulose and a liquid which, under the conditions of temperature and pressure employed, has at least a swelling action on the derivative of cellulose, subjecting said mixture to the action of elevated temperature at which said liquid normally exists in the vapor state and a pressure of at least 1,000 pounds per square inch, the amount of liquid employed being from 1 to 40% on the weight of the cellulose derivative, and then quickly releasing the pressure.

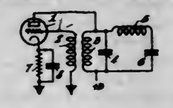
2,354,261
SYNTHESIS OF HYDROCARBONS
Charles E. Hemminger, Westfield, N. J., assignor, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware
Application October 24, 1941, Serial No. 416,323
9 Claims. (Cl. 260—683.15)

1. A continuous process of polymerizing olefins which comprises feeding an olefin in gasiform state with powdered catalyst suspended therein into a reaction zone, the weight ratio of catalyst to olefin being from about 2 to 10 parts of catalyst per part of olefin, causing the catalyst to be maintained in a ebullient state in the form of a dense phase mass by flowing the said olefin upwardly through the reaction zone at a linear velocity of from about 5 to about 12 feet per second to afford uniform mixing of all portions thereof, maintaining a pressure in the reaction



zone of from about 100 to 400 pounds per square inch, permitting the reactants to remain in the reaction zone for a sufficient period of time to effect the desired reaction, removing the catalyst containing polymers adsorbed thereon from the reaction zone and conducting the said catalyst to a zone of lower pressure than the reaction zone, and recovering polymerized olefins.

2,354,262
ELECTRON TUBE OSCILLATOR CIRCUIT
William D. Hershberger, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1942, Serial No. 432,580
9 Claims. (Cl. 250—36)

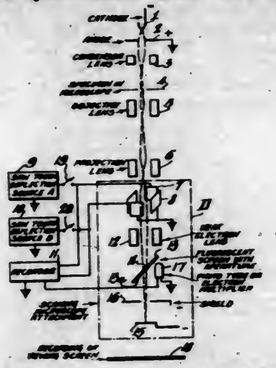


2. An oscillator having an electron tube including cathode, anode and control electrode circuits, a network in the anode circuit of said tube including a parallel resonant circuit and a series resonant circuit connected across said parallel resonant circuit, and aperiodic means for coupling said control electrode circuit to said network.

2,354,263
ELECTRON MICROSCOPE
James Hillier, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1942, Serial No. 445,181
9 Claims. (Cl. 178—6.6)

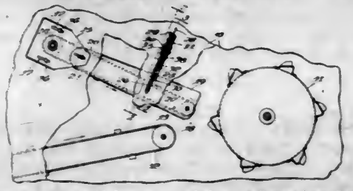
1. In combination, an electron image device and an electron scanning microscope, including an object, means for forming an enlarged electron image of said object, alternative means selectively interposed between said image device and said image means and selectively cooperative with said image device for forming a sharply defined electron probe, means for deflecting said electron probe along a predetermined path, means including said deflected probe for irradi-

ating progressive points of said object, recording means synchronized with said deflecting



means and indicating means responsive to the secondary electron emission from said object points.

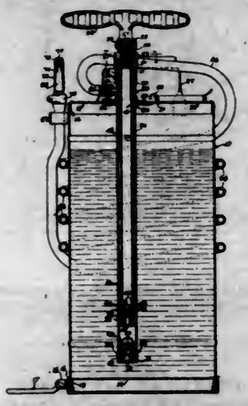
2,354,264
SUPPORTING MEANS
Rex B. Hitchcock, Evanston, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 19, 1942, Serial No. 469,584
20 Claims. (Cl. 130—27)



1. In an assembly comprising a housing having a wall, a threshing cylinder within the housing, a lower conveyer within the housing leading toward the threshing cylinder, an upper conveyer positioned within the housing over the lower conveyer and leading toward the threshing cylinder, the combination therewith of means for adjusting the spacing between the conveyers for normal operation and for moving the upper conveyer away from the lower conveyer for cleaning, said means comprising a carrier for the upper conveyer detachably connected to the upper conveyer and extending through and along the outer side of one wall, and means forming a slidable and pivotal connection of the carrier with the outer side of the said one wall for providing the upper conveyer movement toward and away from the lower conveyer by virtue of the slidable connection and for providing detachment of the carrier from the upper conveyer and withdrawal of the carrier to the outer side of said wall by virtue of the pivotal connection.

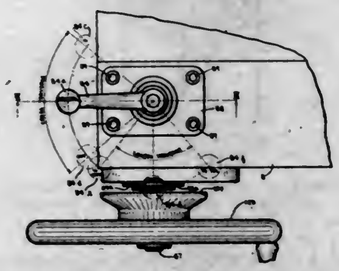
2,354,265
PUMP
Anthony G. Horvath, Dayton, Ohio, assignor to The Dayton Pump & Mfg. Company, Dayton, Ohio, a corporation of Ohio
Original application May 27, 1942, Serial No. 444,688. Divided and this application February 25, 1943, Serial No. 477,005
11 Claims. (Cl. 103—178)

1. A piston type pump for a fire extinguishing apparatus including a pump cylinder having a porcelain enamel film upon the wall surfaces thereof, and a piston disposed within said cylinder for reciprocation therein, said piston having



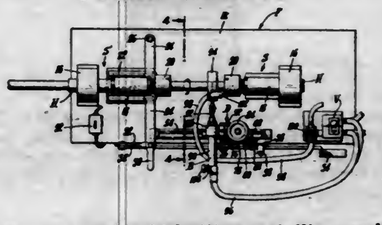
piston rings engaging the porcelain enamel film on said cylinder wall, said piston rings being constructed from plastics material.

2,354,266
MACHINE TOOL RAPID TRAVERSE MECHANISM
Harry C. Kemper, Goshen Township, Clermount County, and Roger R. Ruzicka, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application December 10, 1942, Serial No. 468,518
8 Claims. (Cl. 82—22)



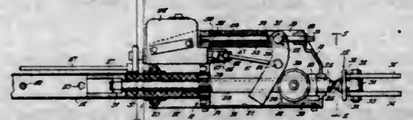
1. In a lathe, a carriage, a cross slide on said carriage, rapid traverse mechanism for actuating said carriage and cross slide in rapid traverse movement, means for alternately connecting said rapid traverse mechanism to said carriage or said cross slide, means for reversibly effecting the driving power to said carriage or cross slide, a single control lever mechanism associated with said interconnecting means for the carriage and cross slide and said reversing means associated therewith for operating them in a predetermined sequential relationship, means for operating said control lever in a direction corresponding to the direction of rapid traverse of said carriage and cross slide, means for maintaining said control lever, while operable for effecting the rapid traversing motion of either the carriage or cross slide in a common plane on swinging movement, means for repositioning said handle so that its movement will correspond to the direction of movement of the member to be rapid traversed comprising means permitting the depressing of said handle and moving it to its new oriented position, and means permitting it to rise again into said common plane of movement for effecting said rapid traverse motions.

2,354,267
METHOD OF WELDING
Arthur R. Lytle and William Morton, Niagara Falls, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
Application March 22, 1941, Serial No. 384,626
5 Claims. (Cl. 78—94)



1. A process of weld uniting metallic members having congruent circular end surfaces, which comprises arranging said members with said end surfaces thereof in axial alignment and in adjacent relation, applying heat to each of said end surfaces to fuse the same and form films of molten metal thereon, rotating each of said members in synchronism at a substantially uniform angular velocity while said end surfaces are being heated to maintain the distribution of said films of molten metal substantially uniform over said end surfaces and to prevent substantial loss of molten metal, and thereafter moving said heated end surfaces together under pressure to form a welded joint therebetween.

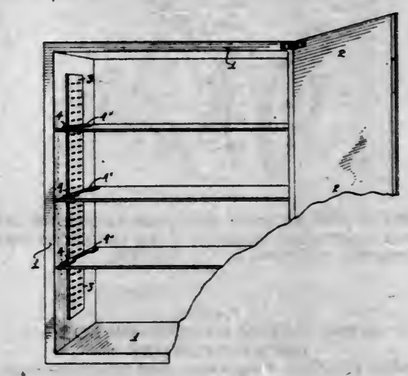
2,354,268
HITCH
Gordon G. McNamara, Jr., Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 31, 1942, Serial No. 456,773
19 Claims. (Cl. 188—142)



1. A hitch comprising a first member adapted to be connected to a source of draft power, a second member adapted to be connected to an object to be drawn, resilient means connected between said members for relative movement of the members along the line of draft, means connecting said members for relative movement transversely of the line of draft, and releasable means normally holding said members against the second named movement and releasable upon relative movement of said members along the line of draft.

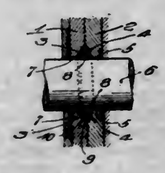
2,354,269
ADJUSTABLE SUPPORT FOR SHELVING
Adolph Marchand, Jackson Heights, N. Y.
Application December 28, 1943, Serial No. 515,914
3 Claims. (Cl. 248—241)

1. An adjustable support for shelving comprising a bracket having two mutually pivoted members, one member carrying a projected latch hook and the second member carrying the pivot device by which the two members are mutually



pivoted, in such manner that movement of the second member imparts rotation to the pivot device, the pivot device having an elongated latch head.

2,354,270
SEAL GLAND AND ARMOR THEREFOR
John Marco, Wilmington, Del., assignor to Marco Company, Inc., Wilmington, Del., a corporation of Pennsylvania
Original application December 16, 1939, Serial No. 309,661. Divided and this application November 19, 1942, Serial No. 466,193
4 Claims. (Cl. 286—26)

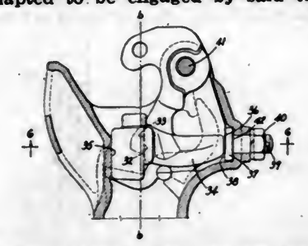


1. In a device of the class described, a continuous annular seal gland having inner and outer peripheral edge faces and side faces thereon, the side faces thereof being tapered toward its outer periphery, and a protecting armor therefor of continuous annular formation surrounding the outer periphery of said gland and having a continuous annular side flange angularly disposed with respect thereto and in contact with the one side face of said gland, the angularity of said flange with respect to the annular armor being less than the angularity of the last mentioned side face of the gland with respect to the periphery of the latter.

2,354,271
CAR COUPLER
William J. Metzger, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application December 12, 1941, Serial No. 422,656
3 Claims. (Cl. 213—152)

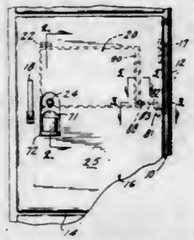
1. A car coupler having a pivoted knuckle, said knuckle having a tail adapted to move to a position adjacent a side wall of the knuckle head upon pivoting of the knuckle to closed position, and

normally immovable abutment means on said side wall adapted to be engaged by said tail upon



closing of said knuckle, said means being adjustable in a direction laterally of the coupler to limit the amount of closing of the knuckle.

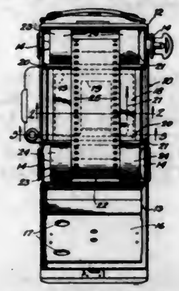
2,354,272
COOL WATER RESERVOIR FOR REFRIGERATORS
Kinney I. Miller, Lancaster, and Irwin Dunbar, Kirksville, Mo.
Original application July 7, 1941, Serial No. 401,326, now Patent No. 2,299,103, dated October 20, 1942. Divided and this application October 20, 1942, Serial No. 462,734
6 Claims. (Cl. 62—89)



1. In a refrigerator cabinet including a door structure and hinges attaching the door to the cabinet, the combination of a removable cool water reservoir attached to the door structure comprising a relatively thin receptacle having an outlet tap and a water inlet connection, said door having a tap receiving aperture extending from one side to the other and a recess in the inner wall slightly larger in height and width than the receptacle, said receptacle being positioned normally in the recess, a sealing strip around said recess forming a dead air space between the adjacent wall surfaces respectively of the receptacle and the recess, a supply pipe for tap water, a pivotal water connection having its pivot axis in alignment with the axes of the door hinges, one end of said connection being attached to the supply pipe, a pipe extending from the other end of said connection into the door structure, and a releasable coupling for attaching said pipe to the water inlet connection on the receptacle.

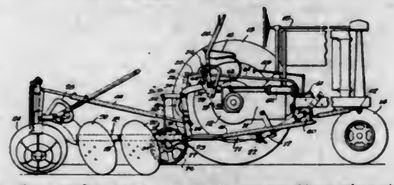
2,354,273
CAMERA
Clifford Older, Wilmette, Ill., assignor of one-half to Albert G. McCaleb, Evanston, Ill.
Application December 12, 1940, Serial No. 369,727
4 Claims. (Cl. 116—114)

1. In a camera adapted to use film having sprocket openings along a side, in combination, means for moving said film within the camera, means defining a frame for the portions of the film being exposed, presser means for resiliently holding the film against said frame, and a resilient member carried by the frame defining means on the other side of the film from said presser means and in the path of said sprocket openings,



said resilient member being arranged to snap through each sprocket opening, in series, as the film is moved, and to make audible contact with said presser means, thereby indicating the extent of the film movement.

2,354,274
AGRICULTURAL IMPLEMENT
John R. Orelind, Wilmette, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 20, 1942, Serial No. 439,713
11 Claims. (Cl. 97—47)

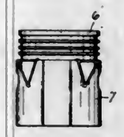


1. In combination, a tool-supporting structure, a working tool frame connected to the tool-supporting structure for free movement with respect thereto, means on the tool-supporting structure for moving the said working tool frame with respect thereto, means on the working tool frame adapted for adjustment with respect thereto, means connected between the tool-supporting structure and the means on the working tool frame adapted for adjustment for maintaining the relative adjustment of the latter with respect to the working tool frame as the working tool frame moves with respect to the tool-supporting structure, and separate adjustable means associated with the maintaining means for effecting the adjustment of the means on the tool frame adapted for adjustment with respect to the working tool frame, said adjustable means being independently operable with respect to the means for moving said working tool frame with respect to said tool-supporting structure.

2,354,275
METHOD OF TREATING PISTONS
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Original application April 23, 1942, Serial No. 440,236. Divided and this application January 2, 1943, Serial No. 471,119
8 Claims. (Cl. 29—156.5)

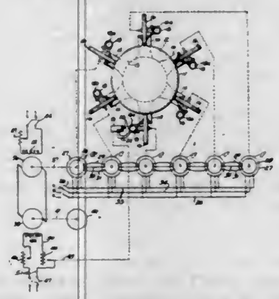
8. The method of treating pistons comprising supporting the piston at laterally spaced areas

of the piston skirt longitudinally thereof and with the portion of the piston skirt between such support areas in opposed relation to an anvil die member which is spaced from the piston a predetermined amount, positioning a thrust die member within the piston in opposition to the anvil die member, and applying pressure to said



die member and heating the work adjacent the supported zones thereof to such degree that the portion of the piston between the supported zone is offset into engagement with the anvil die member, said heating of the skirt being while said pressure is applied to the same, and said heating being of greatest intensity in the portions of the skirt to be offset.

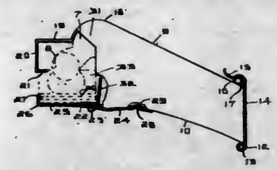
2,354,276
APPARATUS FOR SUPPLYING AIR AND THE LIKE
Herbert A. Reece, Cleveland Heights, Ohio, assignor to Mechanite Metal Corporation, a corporation of Tennessee
Application February 12, 1941, Serial No. 378,681
8 Claims. (Cl. 266—30)



1. Apparatus for supplying an air blast to a plurality of tuyère means for introducing air into a furnace at a plurality of locations comprising, a plurality of air blowers having air inlets and air outlets, each of said outlets being in communiction with a respective entrance for each tuyère means to supply air thereto, a separate electric motor for driving each of said blowers, and electrical circuit means connecting said motors for synchronizing the speed of the motors, the synchronous operation of the motors driving said blowers to blow air into the plurality of tuyère means at substantially equal velocities.

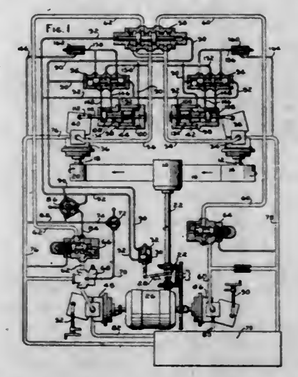
2,354,277
RECEIVER FOR FIREARM EJECTED SHELLS
Edward E. Richardson, Waterville, Ohio
Application June 28, 1943, Serial No. 492,552
2 Claims. (Cl. 42—1)

2. An ejected shell receiver adapted to be mounted at the ejector port for shells from a firearm, said receiver extending downwardly and outwardly from the port, and having from its upper top portion an extension bracket over the barrel in providing a channel portion directly to engage the gun, and a pivoted arm mounted on the underside of the receiver adjacent the gun



and swingable to snap position with the receiver and having at its other end a flange to engage the gun.

2,354,278
POWER TRANSMISSION
James Robinson, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application December 16, 1940, Serial No. 370,364
5 Claims. (Cl. 242—75)

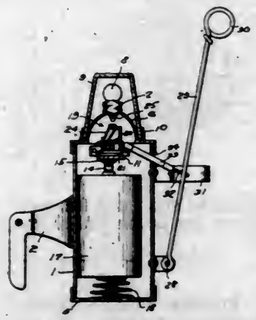


1. In a strip material handling device comprising a pair of reels each adapted to alternately act as a supply reel or a take-up reel as the strip is passed back and forth between the reels, a pair of constant pressure, variable volume, hydraulic displacement devices, one connected in driving relation to each reel, constant volume, variable pressure, hydraulic displacement means driven at a speed proportional to the linear speed of the strip, a circuit connecting said displacement means to receive and deliver all of the fluid passing through each constant pressure displacement device, and means for reversing the direction of strip motion.

2,354,279
FISHING SIGNAL
Timothy T. Ross, Cleveland, Ohio
Application November 23, 1942, Serial No. 466,643
2 Claims. (Cl. 43—17)

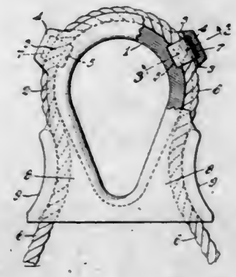
1. A fishing signal comprising a case for the reception of electric batteries, said case including a removable top and a removable bottom, an integral dome rising from the top, a threaded socket rising from said dome, an electric lamp mounted in said socket, a transparent globe enclosing the lamp and encircling the dome on the top, an annular clamp encircling the globe on the top, a bar mounted in the upper portion of the case, bolts on said bar securing the clamp and

the top in position, switch controlled means on the bar for electrically connecting the lamp to



the batteries, and means operable by a fishing line for actuating said switch controlled means for energizing the lamp.

2,354,280
THIMBLE
William C. Russell, Kenosha, Wis., assignor to Macwhyte Company, Kenosha, Wis., a corporation of Illinois
Application April 14, 1943, Serial No. 482,981
15 Claims. (Cl. 294—74)

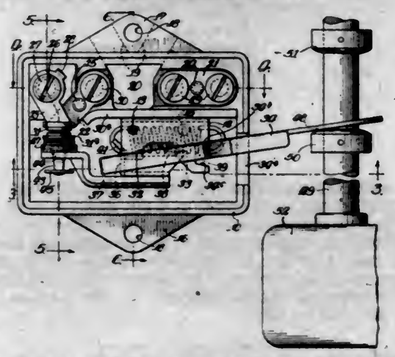


1. In combination, a thimble and a sling, said sling being positioned about said thimble, said sling having an enlargement fixed to it, said thimble being shaped to provide a space within which said enlargement is positioned, said space being provided with portions against which both ends of said enlargement bear, and whereby relative movement of the enlargement and of the sling in any direction about the thimble is resisted.

2,354,281
YEAST PROPAGATION
Alfred S. Schultz and Lawrence Atkin, Bronx, and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Original application June 13, 1940, Serial No. 340,316. Divided and this application April 2, 1942, Serial No. 437,410
4 Claims. (Cl. 195—92)

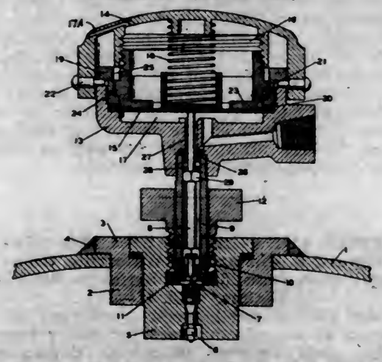
3. A nutrient medium for the production of a *Saccharomyces cerevisiae* yeast containing a yeast assimilable molasses carbohydrate, a yeast nourishing inorganic salt and a methyl thiazole.

2,354,282
FLOAT SWITCH
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application March 3, 1942, Serial No. 433,167
3 Claims. (Cl. 200—67)



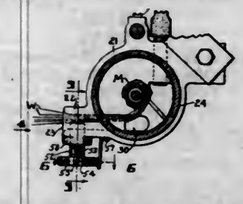
1. In a switch structure, a base of insulating material and an insulating cover therefor, said base and cover constituting a switch housing, a barrier therein formed on said base and of the material of said housing, said barrier dividing the switch housing into two compartments, a pair of switch terminals in offset parallel planes in one of said compartments, said switch terminals having contact carrying extensions projecting through said barrier into the other of said compartments, said extensions having portions at right angles to said offset planes and arranged in substantially a common plane, stationary switch contacts thereon, a supporting bracket in said other compartment, an actuating arm and a switch arm mounted on said bracket, an operative connection between said actuating arm and said switch arm and a bridging contact carried by said switch arm and adapted in one position of the switch arm to bridge said stationary contacts.

2,354,283
ANTIBUZZ FLUID PRESSURE REGULATOR
Theodore A. St. Clair, Pontiac, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 4, 1941, Serial No. 405,438
3 Claims. (Cl. 50—21)



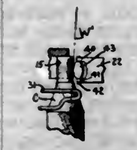
1. A device for the elimination of buzz in a pressure regulator comprising in combination a regulator casing, a pressure actuated diaphragm in said casing forming a compartment between the diaphragm and one side of the casing, a conduit for conducting fluid under relatively high pressure to one side of said diaphragm secured to said one side of said casing, a valve in the conduit remote from and having a stem projecting toward said diaphragm, an elongated force transmitting element mounted for lengthwise movement in said conduit and having its ends separate from and in engagement with said diaphragm and said valve stem, respectively, said force transmitting element being responsive to movement of said diaphragm and so constructed and arranged as to provide a passage for fluid flow through said conduit to said diaphragm, said conduit having a restricted portion, and means on said force transmitting element movable into cooperating relationship with said restricted portion to form a further constant substantial restriction to fluid flow through said conduit to said diaphragm to reduce the magnitude of rapid pressure variations on said diaphragm sufficiently to prevent vibration of said element in said conduit and consequent buzz caused by such vibration.

2,354,284
PNEUMATIC THREAD HOLDER
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 23, 1942, Serial No. 435,875
7 Claims. (Cl. 139—247)



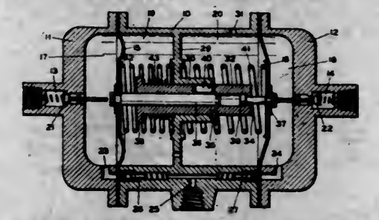
1. In a weft replenishing loom having a group of reserve bobbins from which weft ends extend, a pneumatic thread holder having a passage therein to receive the weft ends, means to induce a draft of air into said passage away from the bobbins to attract the weft ends, and means movable laterally into said passage to assume a plurality of positions in said passage to effect a variation in the effective cross-sectional area of said passage.

2,354,285
BOBBIN SUPPORT FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 8, 1943, Serial No. 478,328
8 Claims. (Cl. 139—247)



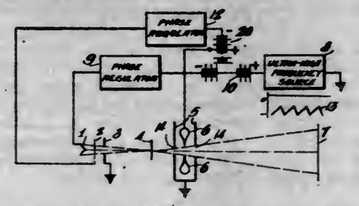
6. A bobbin tip support for a weft replenishing loom, said support having provision for pivotal mounting, and a roller rotatably mounted on said support for engagement with the bobbin tip.

2,354,286
AUTOMATIC CHANGE-OVER DEVICE
Thomas H. Whaley, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 14, 1942, Serial No. 458,293
10 Claims. (Cl. 62—1)



1. In a liquefied gas system, a completely automatic changeover valve mechanism for the purposes described, comprising in combination a body provided with a valved inlet port for each of two supply sources, a pressure responsive diaphragm associated with each of said valved ports, a pressure chamber formed by each of said diaphragms on their inlet sides, a channel communicating each of said pressure chambers to a common outlet, back-flow check valves in each of said channels, a spring housing between said diaphragms, a main loading spring associated with each diaphragm, an auxiliary loading spring for a least one of said diaphragms, and means controllable by said diaphragms and said main loading springs to alternately apply and remove the loading of said auxiliary loading spring to and from one of said diaphragms.

2,354,287
DYNAMIC METHOD OF CORRECTING THE SPHERICAL ABERRATION OF ELECTRON LENSES
Vladimir K. Zworykin, Philadelphia, Pa., James Hillier, Collingswood, N. J., and Edward G. Ramberg, Feasterville, Pa., assignors to Radio Corporation of America
Application April 20, 1942, Serial No. 439,642
20 Claims. (Cl. 250—49.5)

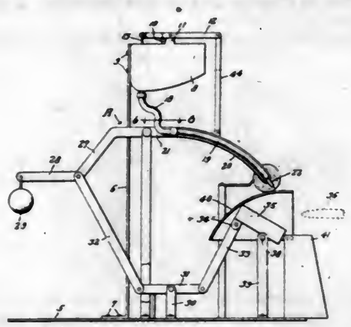


1. In an electron lens including high frequency focusing potentials, the method of correcting for spherical aberration including varying the strength of the field of said lens at a period of the order of the electron transit time from the focus to the plane of said lens, and simultaneously varying the initial velocity of electrons entering said field.

2,354,288
AUTOMATIC PEN FILLER AND CLEANER
Richard P. Aler, Baltimore, Md.
Application April 7, 1943, Serial No. 482,165
5 Claims. (Cl. 120—57)

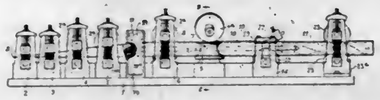
1. A pen inking unit including valve controlled feed means, a feed nib connected to the feed

means, a rocker supporting the nib, cradle actuating means for the rocker and operable through the medium of a pen when the latter is moved



into engagement with the cradle and predetermined manual force applied to the pen, and counter-balancing means for the rocker.

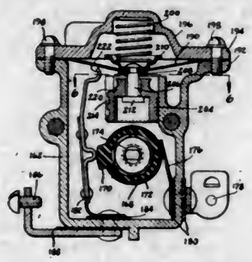
2,354,289
MECHANISM FOR REMOVING WELDING BURRS
Claude R. Babb, Lakewood, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio
Application June 6, 1940, Serial No. 339,045
6 Claims. (Cl. 90—33)



1. In a machine for shearing off the welding burr on the inner wall of a hollow member, the combination with a support and means for moving the hollow member endwise, of a cutting device comprising an elongated body fixedly connected at its inner end to said support and having spaced side portions slidably fitting the inner walls of the hollow member and forming between them channels open at the outer end of said elongated body, a portion of one of said side portions terminating in a cutting edge disposed in substantially inclined relation to the burr and in the path of movement thereof and arranged to shear off the burr along a transversely inclined line due to longitudinal movement of the hollow member relative to said device.

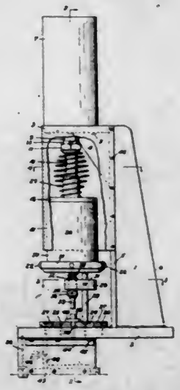
2,354,290
ENGINE STARTING APPARATUS
Lawrence C. Dermond, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application August 4, 1940, Serial No. 351,303, now Patent No. 2,326,125, dated August 10, 1943. Divided and this application July 6, 1942, Serial No. 449,857
14 Claims. (Cl. 290—38)

2. In a starting apparatus for internal combustion engines having a current source, a starting motor operable by current from said source and a circuit for connecting said starting motor with the current source, a switch for controlling said circuit, means for operating said switch, a control member movable to two positions in one of which it prevents closing of the switch and in the other of which it permits said switch to be closed to cause operation of the starting motor, means operable by the engine when it becomes self-operative to move said control member to a position where it prevents closing of the switch, and a latch member for



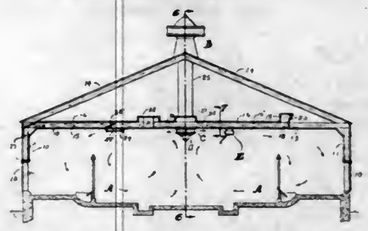
preventing movement of the control member while the engine is being operated by the starting motor and for preventing the return of said control member to a position where it permits closure of the switch as long as the engine is self-operative, said latch member being ineffective to prevent movement of the control member when the engine begins to operate under its own power.

2,354,291
PRESS
Atwood H. Grover, Rockaway, N. J.
Application October 19, 1942, Serial No. 462,531
5 Claims. (Cl. 74—615)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



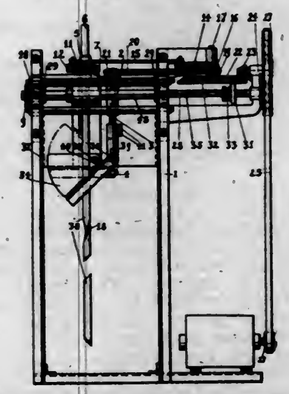
1. In a press, a ram, a work-tool actuated by the ram, a vertically movable barricade adapted to completely envelop the work and work-tool in one position of the barricade and interposed between the work to be operated upon by the press and an operator thereof, and serving as a safeguard, connections between the barricade and the ram for lowering said barricade to work and work-tool enveloping position before the work is operated upon and for removing the barricade from such position after the work has been operated upon.

2,354,292
VENTILATING SYSTEM FOR POSITIVE AIR CONTROL IN BUILDINGS
Arthur E. Waterman, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a company of Wisconsin
Application June 23, 1941, Serial No. 399,299
2 Claims. (Cl. 98—33)



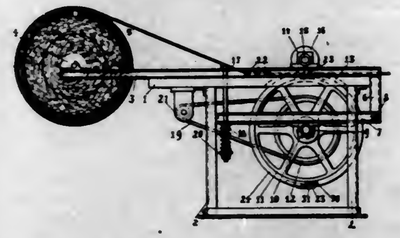
1. A device of the class described, comprising a building inclosure having a substantially horizontally positioned ceiling, an air duct positioned generally above the ceiling and extending from the exterior of the building and having inclosure to a downwardly directed outlet positioned in the ceiling and substantially midway the sides of the building, an electrically operated cage type fan associated with said outlet having a vertically arranged axis with the cage of the fan positioned to thereby receive air from said outlet and discharge it circumferentially and horizontally in contact with the ceiling, a roof ventilator having an inlet adapted to receive air from the inclosure a distance from said fan, an opening from said inclosure into said air duct and being positioned a distance from said fan and from the inlet of the roof ventilator, a valve having a hinged support at the side of said opening toward the inlet end of said duct, a thermally controlled device associated with said valve and positioned adjacent the valve and within the enclosure having means to move the valve and more or less close the duct and said opening to thereby thermally control the percentage of outside to inside air entering the fan when the fan is operating.

2,354,293
TAPE CUTTING MACHINE
Moe Schimmel, New York, N. Y.
Application March 30, 1943, Serial No. 481,085
4 Claims. (Cl. 164—61)



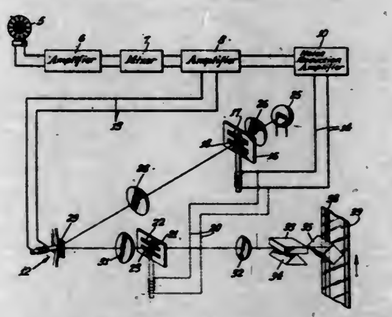
1. A tape cutting machine comprising a rotating, vertically and angularly adjustable cutting knife adapted to carry out one cut through a strip of material at each revolution; an angularly adjustable cutting plate adapted to support said strip while it is being cut; a guide through which said strip passes before it is cut by said knife, said guide being adapted to turn reciprocatingly 180 degrees during each revolution of said knife; rollers which are pressed toward each other by resilient means and which are adapted to force said strip toward said knife; and a friction gear for driving said rollers.

2,354,294
TAPE CUTTING MACHINE
Moe Schimmel, New York, N. Y.
Application March 30, 1943, Serial No. 481,086
1 Claim. (Cl. 164—68)



In a tape cutting machine, the combination of a wheel having a series of premade demountable rims each of which is provided with a plurality of recesses at different angles from each other, with a plurality of cutting blades each of which is held in a recess of a demountable rim, and a resilient opposing roller adapted to press a material on said cutting blades, said recesses of each demountable rim being at varying angles from each other, all substantially as set forth.

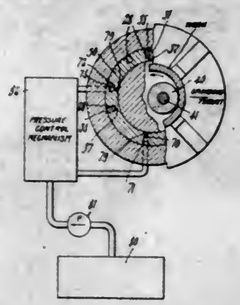
2,354,295
SOUND RECORDING SYSTEM
Frederick G. Albin, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application June 20, 1942, Serial No. 447,797
5 Claims. (Cl. 179—100.3)



1. A variable density sound recording system comprising means for generating electrical currents corresponding to sound waves, means for forming a plurality of light beams, a moving film to which said beams are adapted to be projected, means for simultaneously varying the width of said beams in the direction of the motion of said film in accordance with the instantaneous values

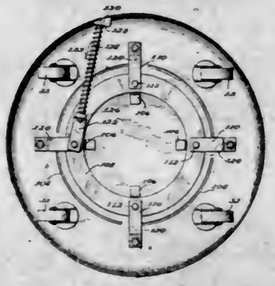
of said electrical currents, one side of each of said beams remaining fixed, means for inverting one of said beams, and means for combining said beams into a single beam, the fixed sides of said beams being coincident at the center axis of said single beam.

2,354,296
GRINDING MACHINE
Merton H. Arms, Springfield, Vt., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application November 16, 1943, Serial No. 510,451
3 Claims. (Cl. 51—237)



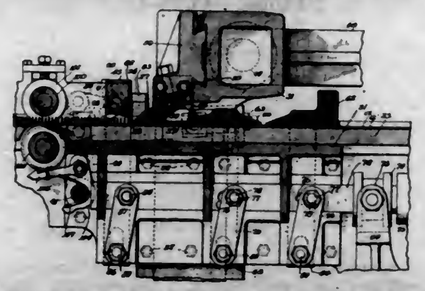
1. In combination, means for supporting a work piece, means for rotarily supporting a grinding wheel for acting on a work piece so supported, at least one of said means comprising a rotary spindle and a bearing for rotarily supporting said spindle, and means for introducing lubricant into said bearing in a direction to force the spindle in the same direction as the thrust between said wheel and work piece.

2,354,297
FASTENING MEANS FOR DETACHABLE COVERS AND OTHER DEVICES
Francis Lawrence Ayres, Des Plaines, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 2, 1942, Serial No. 437,351
4 Claims. (Cl. 292—7)



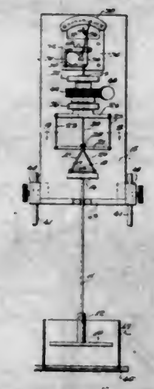
1. In a device of the class described, the combination of a plurality of locking members, a rotatable ring, means connecting said locking members to said ring for actuation thereby, a support for the locking members and ring, a drawbar pivotally connected to said ring, and a screw connecting said drawbar to said support, said screw being arranged substantially tangentially to said ring whereby rotation of said screw turns said ring.

2,354,298
MACHINE FOR RAISING SPINES
Harold G. Barrett, Chicago, Ill., assignor to Thermek Corporation, Chicago, Ill., a corporation of Delaware
Application February 9, 1940, Serial No. 318,097
14 Claims. (Cl. 29—1)



11. In a machine for raising spines from sheets of ribbed stock for heat transfer, the combination of a bed for the stock, means for securing the sheet on the bed, means for cutting and bending slivers from the ribs of the stock, extending across the sheet and crosswise of a series of ribs and movable for making a cut transversely through, and longitudinally of, a series of ribs and bending a row of slivers away from the face of the sheet, mechanism for shifting the cutting and bending means to produce a row of slivers during each of said cuts, and mechanism for feeding the sheet between the cuts.

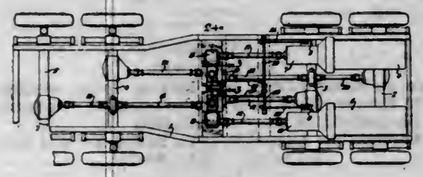
2,354,299
VISCOSIMETER
George S. Bays, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application June 11, 1941, Serial No. 397,595
7 Claims. (Cl. 265—11)



6. An apparatus for indicating the viscosity of fluids substantially independently of fluid density, said apparatus comprising a disc adapted to be driven in contact with the fluid under test, a driven shaft fixed to said disc, a driving means in fixed spaced relation thereto, a link extending between said shaft and said driving means, said link comprising an upper pair of oppositely extending arms fixed to said driving means, a lower pair of oppositely extending arms fixed to said driven shaft, a cruciform middle spider, a pair of upwardly extending rigid tie

means hinged to the ends of opposite legs of said spider and said upper pair of arms, a pair of downwardly extending rigid tie means hinged to the ends of opposite legs of said spider and said lower pair of arms, whereby the cruciform spider is rendered longitudinally displaceable, the extent of longitudinal displacement of said spider being substantially independent of the density of the fluid under test.

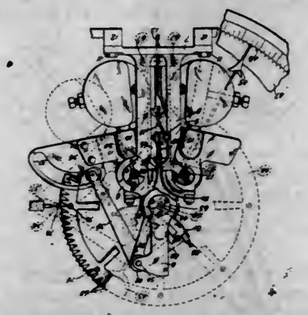
2,354,300
TRANSFER CASE FOR POWER TRANSMISSIONS
Carl J. Bock, Birmingham, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 3, 1942, Serial No. 445,627
13 Claims. (Cl. 180—23)



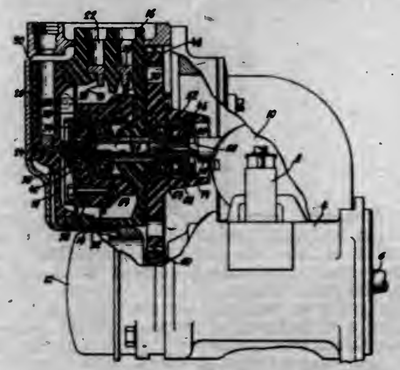
9. In a multiple axle vehicle, a set of front steering drive axles and a set of rear drive axles, a pair of power plants each including an engine, a selective forward and reverse transmission and a power divider for transferring engine power from its transmission to at least one of the rear axles and to at least one of the front axles with said power dividers with respect to each other being drive connected to different front and rear axles, each power divider having solid drive connection with its driven rear axle and a one-way drive connection with its driven front axle and said one-way drive connection including a pair of overrunning clutches, one operative for forward drive and the other for reverse drive, a selector for controlling the operative setting of the respective clutches and means responsive to the selective forward and reverse setting of the transmission for regulating said selector.

2,354,301
WEIGHING PENDULUM AND RECORDER DISK ASSEMBLY
Oswald S. Carliss, Fairfield, Conn., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Original application November 24, 1941, Serial No. 420,208. Divided and this application March 8, 1943, Serial No. 478,355
10 Claims. (Cl. 265—5)

3. In a dial-head unit for heavy duty weighing and recording scales, the combination of, a dial-head frame including front, intermediate and rear spaced frame standards rigid with respect to a common base structure, a shaft extending crosswise and past said intermediate frame standard unsupported by the latter and journaled in bearings on both said front and rear frame standards, at least one weighing pendulum supported by and intermediate both said front and intermediate standards in a manner to swing about an axis for counterbalancing heavy loads, mechanism operatively associating said shaft with said pendulum, and at least one recorder disk of large enough diameter to be intercepted by the projection of said axis, said disk being carried upon said shaft between said intermediate and rear frame standards.



2,354,302
MAGNETO UNIT
Wilbur L. Carlson, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 7, 1941, Serial No 405,743
13 Claims. (Cl. 171—209)

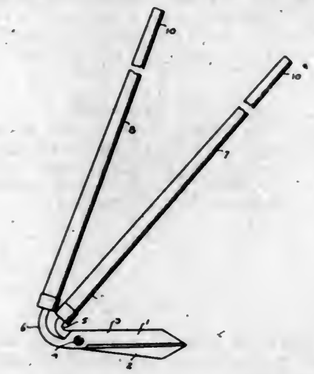


1. A magneto unit including a current distributing mechanism having a rotatable distributor arm, a separate chamber for said mechanism, a stationary sleeve mounted in and extending through a wall of said chamber, a drive shaft extending through said sleeve and connected to said distributor arm, and a sealing means for said shaft to prevent the entrance of external air to said chamber between said sleeve and shaft, said sealing means including a seal ring carried by said sleeve, a seal ring carried by said shaft and rotating therewith, and means to force said rings into sealing contact engagement.

2,354,303
GARDEN SHEARS
Ernest E. Carver, Vancouver, British Columbia, Canada
Application August 10, 1943, Serial No. 498,041
In Great Britain September 3, 1942
7 Claims. (Cl. 30—257)

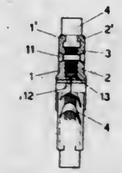
1. A pair of garden shears having two blades

pivotally connected together by a fulcrum pin, a long handle connected to each blade, the grip



of one of said handles being forward of the fulcrum pin.

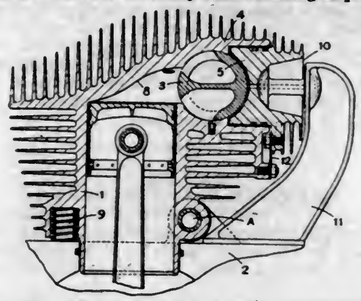
2,354,304
TURBINE RUNNER
Orlando Cello, Soleure, Switzerland
Application February 22, 1943, Serial No. 476,783
In Switzerland July 2, 1942
9 Claims. (Cl. 253—77)



1. A turbine runner, in particular for steam and gas turbines, having in combination a runner disk, at least one series of appropriately contoured blades extending substantially radially from the periphery of said disk, a blade carrying laminated core mounted on said disk and comprising a plurality of superposed plates disposed concentrically to the axis of rotation of the runner, said plates being provided with a series of notches around their periphery, the notches of each plate being angularly displaced with respect to the notches of adjacent plates so as to form in said core stepped grooves approximately conforming to the cross sectional contour of the blades which are inserted into said grooves, means for centering said core on the runner disk, and means formed on said disk and directly engaging portions of the blades to retain the blades against removal in both axial and radial directions.

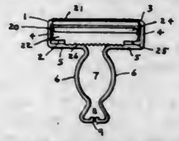
2,354,305
ROTARY VALVE CONTROLLED INTERNAL-COMBUSTION ENGINE
Roland Claude Cross, Bath, England
Application May 6, 1943, Serial No. 485,925
In Great Britain September 18, 1941
8 Claims. (Cl. 123—80)

1. An internal combustion engine comprising a cylinder pivoted for rocking movement in response to gas pressure generated therein, a rotary valve for controlling supply of fuel to said cylinder and exhaust of combustion gases therefrom, a plural-part housing for said valve, and means whereby said housing is pressed



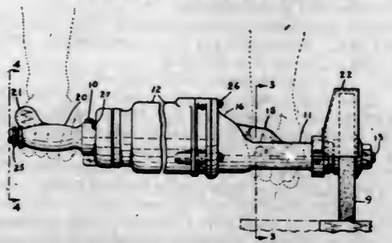
tightly against said valve in response to rocking movement of said cylinder by gas pressure generated therein.

2,354,306
SLIDE LOOP
George Henry Elwell, New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J., a corporation
Application August 9, 1943, Serial No. 497,909
3 Claims. (Cl. 24—73)



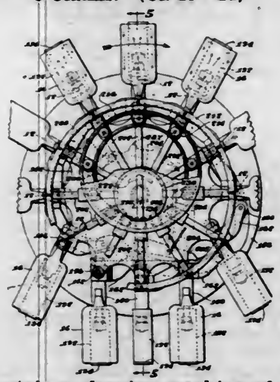
1. A two-part slide loop comprising a wire member, the wire being formed to provide a rectangular strap loop having upper and lower bar structures and a button loop integrally depending therefrom; and a sheet-stock member within said wire strap loop and swung upon the said upper wire bar, said sheet-stock member having an aperture therethrough to receive a strap completely threaded within said wire strap loop, a lower edge of the sheet-stock member being adapted to engage the lower bar structure; and teeth with which said lower edge is provided.

2,354,307
MOTOR-DRIVEN HAND TOOL
William M. Emery, Shaker Heights, Ohio, assignor to The Rotor Tool Company, a corporation of Ohio
Application November 23, 1942, Serial No. 466,601
3 Claims. (Cl. 51—170)



1. A manually portable unit including the combination of a motor, a shaft rotatably driven thereby, a rotary work device attached to said shaft, a handle having a substantially longitudinal axis positioned sufficiently adjacent to the line of the axis of said shaft and sufficiently parallel thereto to cause said handle to be turned principally about its said longitudinal axis by reactive torque incident to the motor acting to revolve the work device, and a lever predominatingly projecting from only one side of a portion of said handle and adapted to be pressed by said reactive torque against the proximal portion of the hypothenar eminence of a hand grasping said handle and to thereby resist the turning of said handle and tool unit in said grasped hand under said reactive torque primarily by abutment with said proximal portion of the hypothenar eminence of said hand in contra-distinction to friction therewith.

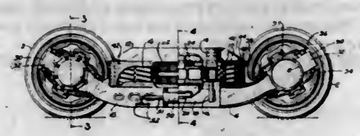
2,354,308
CONTAINER CLEANING MACHINE
Arthur Clarence Everett, Boston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application May 27, 1942, Serial No. 444,612
5 Claims. (Cl. 15—14)



1. A container cleaning machine of the character described having, in combination, a rotary carrier provided with a plurality of radially arranged cleaning heads, a plurality of individual container supporting members mounted on and movable with said carrier and engageable with the bottoms of the containers, said container supporting members being arranged to dispose the containers in radial alignment with their respective cleaning heads during the cleaning operation, means for performing the cleaning operation while the containers are in a substantially inverted position, container delivery means, container discharging means spaced from said delivery means, and means for moving and maintaining said individual supporting members in a vertical position with relation to said carrier as they pass said delivery and discharge means, whereby to enable the containers to be delivered to and discharged from spaced points on the carrier in a substantially upright position during the continuous movement thereof.

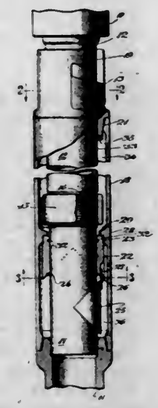
2,354,309
RAILWAY TRUCK STRUCTURE
Charles F. Frede, University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application January 18, 1940, Serial No. 314,368
13 Claims. (Cl. 188—153)

1. In a railway truck, axles, wheels, journal boxes thereon, equalizers on said journal boxes, air brake cylinders and pistons carried by said journal boxes, brake levers fulcrumed on said



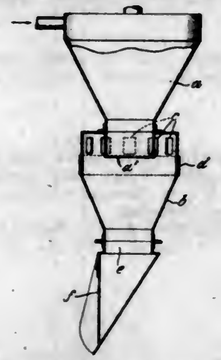
equalizers, and brake elements carried by said levers and applied to said wheels by said cylinders and pistons.

2,354,310
BACK-PRESSURE VALVE
Lloyd O. Goodwin, Tulsa, Okla., assignor to Stanolind Oil & Gas Company, Tulsa, Okla., a corporation of Delaware
Application April 2, 1941, Serial No. 386,401
2 Claims. (Cl. 251—8)



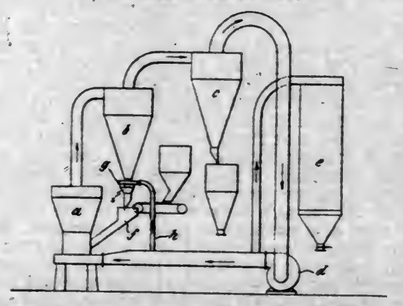
1. A check valve assembly which comprises a quill fixed to and in communication with a first pipe of substantially the same internal diameter, a sleeve around said quill and fixed to a second pipe, cooperating means carried by said quill and said sleeve respectively and constructed and arranged to transmit torque from said quill to said sleeve, and to permit a small restricted axial movement therebetween in one position and a large axial movement in another position, means for limiting said large axial movement, a cylindrical valve seat fixed to and within said sleeve and of greater internal diameter than the external diameter of said quill, a valve pivotally mounted in the space between the quill and the sleeve on an axis perpendicular to the axis of the quill and adapted to close on said seat, said valve being so constructed and arranged that in open position it is entirely disposed in the space between the quill and the sleeve so that the quill may extend through the valve seat and past said valve, means for urging the valve toward a closed position, said limited large axial movement being of such extent that the quill will hold the valve open in one position and will permit valve closure in another position and said small restricted axial movement providing necessary clearance but positively preventing valve closure, and means for preventing fluids from flowing around said valve from the second pipe to the first pipe.

2,354,311
APPARATUS FOR GRADING POWDERED MATERIAL
Walter Fred Harlow, Quarndon, England, assignor to International Combustion Limited, London, England, a British company
Application January 11, 1943, Serial No. 472,030
In Great Britain March 18, 1942
1 Claim. (Cl. 209—144)



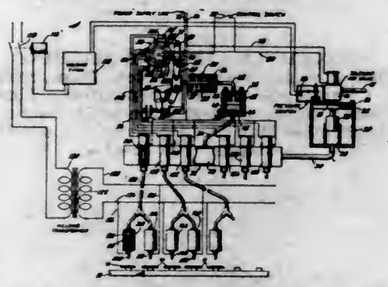
Apparatus for grading powdered material comprising, two superposed cyclones with the upper cyclone receiving air-borne particles, the lower cyclone having a plurality of ports therein circumferentially spaced around the periphery of the lower cyclone for admitting air into the lower cyclone, a sleeve embracing the periphery of the lower cyclone adjacent said ports slidable axially for adjusting the open area of said ports, and an annular outlet depending from the upper cyclone into the lower cyclone and terminated at a position below said ports.

2,354,312
APPARATUS FOR GRADING POWDERED MATERIAL
Walter Fred Harlow, Quarndon, England, assignor to International Combustion Limited, London, England, a British company
Application January 11, 1943, Serial No. 472,031
In Great Britain March 18, 1942
1 Claim. (Cl. 83—93)



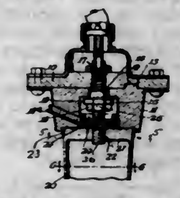
Apparatus for grading powdered material comprising, a mill equipped with a primary separator, a grading device formed of cyclone separators, a conduit for guiding material from the primary separator into the grading device, a collector, a pipe guiding fine particles from the grading device into the collector, a fan, a conduit connecting the fan with the collector whereby air is drawn from the collector, a discharge tube connecting the fan with the mill whereby air drawn from the collector is supplied to the mill, one cyclone separator having air admission ports therein, a housing embracing said ports, and a pipe connecting the housing with the discharge tube from the fan whereby a portion of air delivered by the fan is supplied to the admission ports.

2,354,313
WELDING MACHINE
Marcus R. Harris, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 24, 1939, Serial No. 286,114
4 Claims. (Cl. 219—4)



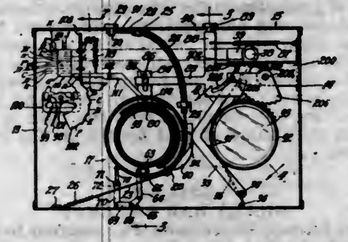
3. In a welding device for making a series of welds in sequence, a fluid pressure system including means for causing a rise and fall of fluid pressure in said system, an indexing switch operated by rise and fall of pressure in the fluid pressure system, a plurality of electrically actuated valves each having a passage forming a portion of said fluid pressure system and controlled by said indexing switch, a series of welding electrodes and pistons for operating the same, means for conducting fluid from said valves to the electrode operating pistons, and electric circuits to the several electrically actuated valves, the circuit to each one of the electrically actuated valves being completed in a different position of the indexing switch.

2,354,314
ANTENNA
Harry H. Harsted, Chicago, Ill., assignor to Gephart Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 25, 1943, Serial No. 473,492
7 Claims. (Cl. 287—20)



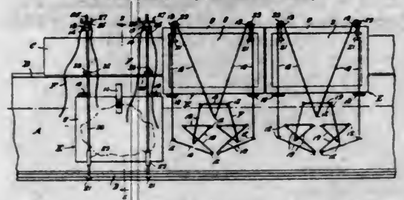
1. Antenna embodying a base, means for anchoring the base, an antenna mast, means detachably securing said mast by one end to said base, and means associated with said base whereby said mast will be maintained against rotation with respect to the base, the first said means embodying mechanism disposed between the base and the adjacent end of the said mast and operable to draw said end towards the base.

2,354,315
CAMERA EXPOSURE CONTROL
Le Roy N. Hermann, Chicago, Ill.
Application October 11, 1941, Serial No. 414,632
3 Claims. (Cl. 95—10)



1. In a camera, a shutter settable to effect exposure periods of different duration, shutter setting means, an iris settable to control the amount of light admitted to the camera during an exposure period, iris setting means, an indicator member having a series of indicia thereon, said member being interlocked with said shutter and disposed within a field in which it is viewable and for movement transversely of such field in accordance with the setting of said shutter, light responsive means, an additional indicator member also having a series of indicia thereon, said additional member being under control of said light responsive means and also disposed in such field and for movement transversely thereof in accordance with the amount of light to which said light responsive means is subjected, and shield means interlocked with said iris and operable to expose said light responsive means in different degrees according to the setting of said iris, and said indicator members being complementally coordinated whereby the correct setting of the iris for any shutter setting is incurred when predetermined of the indicia respectively on said indicator members occupy predetermined relative positions.

2,354,316
SAFETY ATTACHMENT FOR WATERCRAFT
John H. Hermanson, Brooklyn, N. Y.
Application May 6, 1943, Serial No. 485,815
4 Claims. (Cl. 114—229)

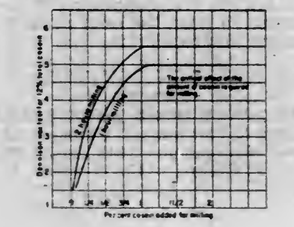


1. In an attachment for watercraft, safety units for closing holes formed in the hull of a ship by torpedo hits, each unit including a closure member mounted on the hull for movement from a raised inactive position above the water-line to a lowered active position in covering relation to the hole in the hull, and means for normally retaining said closure member in a raised inactive position above the water-line which includes an endless flexible element having a portion engaging with said member to hold the same in the inactive position and a portion disposed below said member in a position to be severed by the explosion of a torpedo hit in the region of the closure member.

2,354,317
CHROMANE AND PROCESS FOR PRODUCING SAME
Otto Hromatka, Darmstadt, Germany, assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application May 9, 1939, Serial No. 272,679. In Germany May 14, 1938
8 Claims. (Cl. 260—333)

1. 2,5,7,8-tetramethyl-2-alkyl-6 - formylaminochromane.

2,354,318
CALCIUM CARBONATE-ADHESIVE BASE PRODUCT AND METHOD OF PREPARING COATINGS THEREFROM
Auxker E. Hughes, Wyandotte, Harold B. Browne, Trenton, and Howard F. Roderick, Grosse Ile, Mich., assignors, by mesne assignments, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application January 8, 1941, Serial No. 373,694
9 Claims. (Cl. 106—148)



1. The method of making a base product for the preparation of calcium carbonate-adhesive coatings consisting in dry milling precipitated calcium carbonate having a particle size ranging from 1 to 5 microns and between about 1% and 2% of an adhesive selected from the group consisting of casein and extracted protein from soybean protein, and carrying on the dry milling until the adhesive requirements of the calcium carbonate decreases an appreciable percentage, the mixture achieving all of its improved adhesive properties within about 3 hours milling.

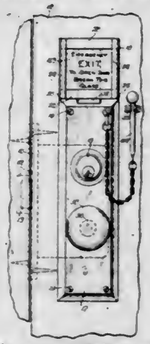
2,354,319
TOPICAL PREPARATION
Walter Andrew Inman, Waukegan, Ill.
No Drawing. Application January 15, 1942, Serial No. 426,859
3 Claims. (Cl. 167—90)

1. A protective preparation for application to animal skin and skin appendages comprising, as originally compounded ingredients, from 0.5% to 2.5% gelatin together with from 0.75% to 4% of a plasticizer selected from the group consisting of glycerine and glycols, such percentages being by weight of such preparation, lesser amounts of an alum and a harmless acid, the residue comprising essentially water, said preparation having been prepared by heating said ingredients to form a homogeneous clear solution capable of drying by evaporation to form a non-tacky film resistant to penetration by grease and oil that can be removed by washing with soap and water whereby such preparation can be applied to skin and skin appendages prior to exposure to grease and oil for facilitating removal from said skin and skin appendages of oil and grease subsequent to exposure to grease and oil.

2,354,320
INTERFACE MODIFYING SUBSTANCE
Joseph W. Johnson, Middleton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
No Drawing. Application September 28, 1940, Serial No. 358,940
6 Claims. (Cl. 260—404)

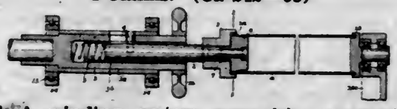
4. The method of preparing chemical substances having emulsifying and other interface modifying properties which comprises providing an alkanolamine wherein at least one of the hydrogen atoms of the amino group is unsubstituted and wherein each alkanol group present contains from two to four carbon atoms, treating said alkanolamine with an equimolar quantity of water to form the corresponding alkanolammonium hydroxide, treating said alkanolammonium hydroxide with an equimolar quantity of anhydrous gaseous hydrogen chloride at a temperature below 100° C., removing water from the resulting reaction product and crystallizing out anhydrous alkanolamine hydrochloride, and condensing said anhydrous alkanolamine hydrochloride under vacuum with the acid chloride of a monocarboxylic acid containing from 10 to 22 carbon atoms to form the ester of said acid and alkanolamine hydrochloride.

2,354,321
EMERGENCY DOOR LOCK RELEASE
Max C. Kornrumpf, Chicago, Ill.
Application September 5, 1942, Serial No. 457,399
12 Claims. (Cl. 70—465)



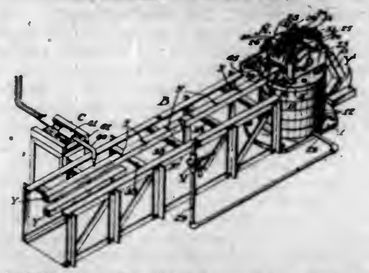
1. A door lock, comprising a bolt-operating spindle, a movable lock plate, means forming a part of said lock plate for preventing operation of said spindle, a breakable support member normally maintaining said preventing means in effective position and adapted, when broken, to release said lock plate and said spindle for operation to open the door.

2,354,322
WINDING SYSTEM
George W. Lane, Clifton, N. J., assignor to Van Vlaanderen Machine Co., Paterson, N. J., a corporation of New Jersey
Application September 11, 1942, Serial No. 457,986
4 Claims. (Cl. 242—68)



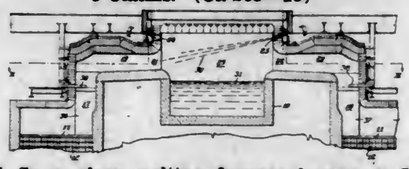
1. A winding system comprising supporting structure, a flexible substantially tubular core onto which to wind flexible lengthy material, and a chuck journaled in said structure and consisting of driving and driven members rotative independently of each other and one having a socket portion receiving, and the other a plug portion projecting into, one end of the core and said socket and plug portions respectively having humps projecting in radial directions relatively opposite to each other, said portion of the driven member, inclusive of its hump, holding said core end distorted from its normal form and a part thereof thereby displaced into the path of rotation of said hump of said portion of the driving member.

2,354,323
BILLET BAR BREAKER
Le Roy Layton, Lansdowne, Pa., assignor to Lansdowne Steel & Iron Company, Morton, Pa., a corporation of Pennsylvania
Application May 6, 1941, Serial No. 392,187
15 Claims. (Cl. 29—66)



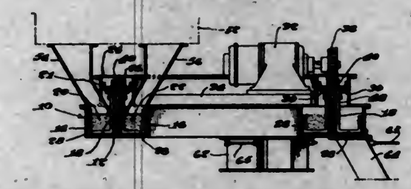
1. A billet bar breaker comprising two spaced rigidly connected breaker elements operable against one side of the bar, a single intermediate breaker element solely operable against the opposite side of the bar, and means affording relative movement between said two elements about a common pivotal axis intermediate said rigidly connected elements during simultaneous application of pressure to the bar in opposite directions by all three elements collectively.

2,354,324
REGENERATIVE FURNACE AND METHOD OF BURNING LIQUID FUEL THEREIN
Levi S. Longenecker, Mount Lebanon, Pa.
Application June 18, 1941, Serial No. 398,553
8 Claims. (Cl. 263—15)



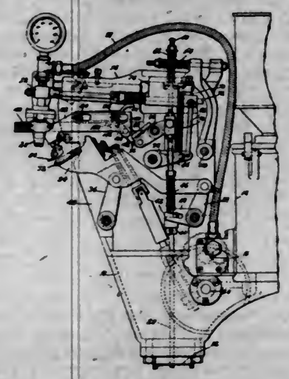
1. In a glass melting furnace having a flat roof and ports on opposite sides of the furnace chamber which alternately serve as incoming ports for preheated air streams and outgoing ports for waste gases, a longitudinally extending knuckle located centrally of the furnace chamber below the roof line, devices located on opposite sides of said knuckle for projecting jets of liquid fuel in opposite directions toward said air ports, means for reversing the flow of preheated air through said ports, and means for so controlling the delivery of liquid fuel to said jet projecting devices that only those discharging toward the ports serving as incoming air ports are operative during operation of the furnace.

2,354,325
CONVEYING APPARATUS
Roy A. McMullin, Waban, Mass., assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Application July 14, 1942, Serial No. 450,877
5 Claims. (Cl. 198—212)



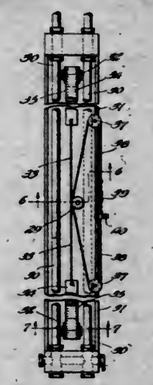
1. Conveying apparatus for distributing flowable solid material comprising a plurality of concentric circular troughs, a partitioning member separating said troughs, conveying mechanism including an annular driven member disposed above said troughs, a plurality of spaced flight members carried by said annular member to move therewith, said flights being arranged in concentric rows and running in their respective circular troughs, a source of supply of flowable solid material in communication with each of said troughs, each of said troughs being provided with at least one discharge opening, and means for driving said annular member, said annular member and the flight members carried thereby being supported on and guided by said partitioning member.

2,354,326
SHOE-BOTTOM-COATING MACHINE
Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 27, 1942, Serial No. 432,583
17 Claims. (Cl. 12—80)



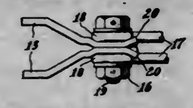
1. In a machine for operating upon the bottoms of shoes, a work-supporting member past which the work is moved as the shoe bottom is treated, means to move the work-supporting member in the direction of advance of the work to bring said member into operative engagement with the work, and means for moving said work-supporting member further in the same direction to carry it out of operative engagement with the work.

2,354,327
MANOMETER
James L. Mayer, Chicago, Ill.
Application February 17, 1941, Serial No. 379,368
11 Claims. (Cl. 73—31)



4. In a manometer having parallel tubes, a flexible tape having graduations on one side thereof positioned between the tubes, rollers at the ends of the tubes upon which the tape is mounted for endwise adjusting movement, and means for engaging the ends of the tape for holding it tightly on the rollers like a belt with an extension to one side of the parallel tubes engageable for moving the graduations of the tape with respect to the tubes.

2,354,328
CYCLE SADDLE SPRING
Frederick Mesinger, Mount Vernon, N. Y.
Application July 12, 1940, Serial No. 345,057
2 Claims. (Cl. 155—5.22)

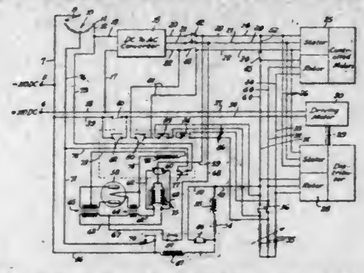


1. In a cycle saddle, a seat; a pair of forwardly and rearwardly extending reach members having rectangular bar shaped forward end portions in vertical parallel planes; a spring having a portion rigidly secured to the forward portion of said seat and rearwardly extending end portions having non-circular eyes disposed in parallel vertical planes; securing means passing through said eyes and said reach members for securing said end portions to the forward ends of said reach members; and integral portions struck up from the edges of said reach members to simultaneously engage both upper and lower non-circular portions of said eyes for preventing relative rotational movement in either direction between said eyes and said reach members.

2,354,329
MOTOR STARTING SYSTEM
Burton F. Miller, Beverly Hills, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application October 7, 1942, Serial No. 461,136
15 Claims. (Cl. 172—293)

1. A starting system for a plurality of motors having polyphase stator and rotor windings adapted to be started and run in synchronism

comprising a distributor having polyphase stator and rotor windings, a polyphase power source, switching means for connecting one phase of the stators of said motors and of said distributor to said polyphase power source, switching means for connecting the other two phases of said stators



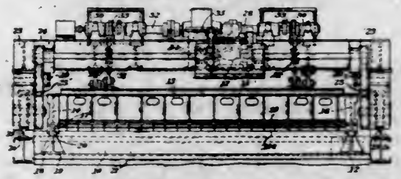
to said power source, a driving motor for said distributor, switching means for energizing said driving motor, means for controlling the sequence of operation of each of said switching means in a predetermined order, and a single manually operable switch for actuating said last mentioned means.

2,354,330

MEANS FOR SUPPORTING PIT-FURNACE COVERS

William A. Morton, Mount Lebanon, Pa., assignor to The Amsler-Morton Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 4, 1943, Serial No. 489,624
8 Claims. (Cl. 266—31)



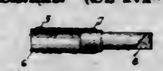
1. A cover for a pit furnace comprising a frame fabricated from structural members provided with a refractory lining and adapted to be lowered over the furnace, chairs on opposite sides of the furnace, and supports for the chairs independent of the furnace, certain of said members extending outwardly of the cover and having portions adapted to engage said chairs.

2,354,331

HIGH-FREQUENCY FERROINDUCTOR

Wladimir J. Polydoroff, Wilmette, Ill.

Application May 5, 1941, Serial No. 391,979
7 Claims. (Cl. 171—242)



3. A high frequency ferro-magnetic inductor including a solenoidal coil and a cylindrical core, said core comprising compressed metallic particles disposed with their flat surfaces forming a plurality of stratified planes with insulation between the strata and having said particles in the various stratified planes fused to each other at their edges, and said core having association with the coil so that the magnetic axis of the coil is in a direction parallel to the stratified formations of said particles.

2,354,332

LOOP ANTENNA

Wladimir J. Polydoroff, Wilmette, Ill.

Application May 22, 1942, Serial No. 444,026
8 Claims. (Cl. 250—33)



1. In a loop antenna system, an elongated core member comprising finely divided insulated magnetic particles, a pair of pickup coils wound on the core member to extend over a major portion of the length of said member and having close association with said core member, said coils being wound symmetrically and in opposite directions and being connected in parallel with terminal connections taken from the adjacent ends and the outer ends of the coils.

2,354,333

MACHINE FOR OPERATING ON INSOLES

Ernest E. Sabin, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application February 8, 1943, Serial No. 475,081
8 Claims. (Cl. 12—20)



1. In a machine for applying cemented strips to insoles, the combination of means for folding a strip along its longitudinal center line, means for presenting the folded strip with its edges flush and with said edges in predetermined relation to the edge of an insole, means for feeding the insole, and separate feeding means engaging the folded strip.

2,354,334

GERMICIDE AND METHOD OF PRODUCING SAME

Anthony J. Salle, West Los Angeles, and Howard L. Guest, Ocean Park, Calif., assignors of one-half to Leo A. Gunther, Robbins, Calif.

No Drawing. Application October 27, 1942, Serial No. 463,543
7 Claims. (Cl. 167—31)

1. The method of increasing the germicidal property of one of the group; chlorophenol, sulfophenol, that comprises adding to each gram molecular weight thereof one gram molecular weight of a soluble, metallic, non-precipitant reducing agent.

2,354,335

METHOD OF TREATING TEXTILE YARNS

Louis Jack Sheps, St. Jean, Quebec, Maurice Adelard Boisclair, Iberville, Quebec, and Kendall Vensant Cooper and Peter Fristensky, St. Jean, Quebec, Canada, assignors to The Richards Chemical Works, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application June 3, 1941, Serial No. 396,392
3 Claims. (Cl. 28—75)

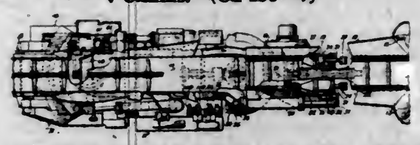
1. In a process in which regenerated cellulose yarns are treated with a treating agent, then twisted with silk yarns to form a composite yarn, and the composite yarns then wet knitted into articles and the knitted articles scoured prior to finishing; the improvement which comprises uniformly coating the regenerated cellulose yarns, prior to their twisting with the silk yarns, with a small amount of a water-repellent coating which will protect them against injury by rubbing, will retard the production of fuzz on them and reduce breakage and distortion of the stitch due to differential water absorption by regenerated cellulose and silk yarns, during mechanical operations incident to knitting, and which readily will be removed by the scouring of the knitted articles, by immersing the regenerated cellulose yarns in a large amount of water containing a relatively small amount of an oleaginous material, a protective colloid and a water-soluble salt of a polyvalent metal.

2,354,336

LOADING MACHINE

William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original application June 25, 1940, Serial No. 342,331. Divided and this application April 17, 1943, Serial No. 483,441
7 Claims. (Cl. 198—7)



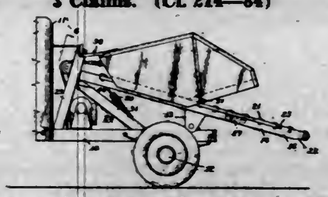
1. In a loading machine, a truck, an elevating conveyer mounted on said truck for vertical and lateral swinging movement with respect thereto, a fluid pressure cylinder and piston for raising or lowering said elevating conveyer with respect to said truck, another fluid pressure cylinder and piston for swinging said elevating conveyer from side to side, a pump, a tank, a pair of control valves arranged in series for controlling operation of said cylinders and pistons, a pressure pipe leading from said pump to said valves, pressure pipes leading from said valves to the head and piston rod ends of said fluid pressure cylinders, and means permitting said elevating conveyer to float along an uneven bottom including a manually controllable by-pass connection in the pipe leading to one end of the elevating cylinder, to by-pass fluid from said end of said cylinder, but permitting a small trickle of fluid under pressure to enter said end of said elevating cylinder, and other means restraining the exhaust of fluid from the other end of said elevating cylinder.

2,354,337

LOADING AND UNLOADING APPARATUS FOR SELF-PROPELLED VEHICLES

Frank L. Smith, Mount Airy, N. C., assignor to The North Carolina Granite Corporation, Mount Airy, N. C., a corporation of Delaware

Application August 17, 1942, Serial No. 455,146
3 Claims. (Cl. 214—84)



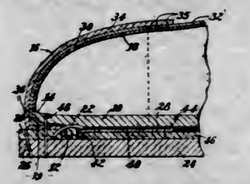
1. The combination with a self-propelled vehicle including a chassis, of a table pivotally supported adjacent the rear end of the chassis, means for normally maintaining the table in an inclined position out of contact with the ground, a box having a normally forwardly inclined base portion adapted to contact the rear portion of the table whereby the table will be tilted into ground contact and be disposed beneath said inclined base portion as the table is moved towards the box, means operable by the vehicle power source adapted to be secured to the box and move the same upwardly along the table and over the pivotal axis of the table whereby the table will be tilted out of ground contact, support means adapted to engage the forward end of the table, and co-operating guide means on the table and box for centering the box on the table.

2,354,338

SAFETY SHOE

Karl A. Stritter, Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application August 25, 1943, Serial No. 499,974
10 Claims. (Cl. 36—17)



1. A safety shoe comprising an insole, an upper having a marginal portion inturned beneath the insole, a toe box inside the upper for preventing collapse of the toe portion of the upper, said box being capable of withstanding excessive pressure without crushing and having an inturned bottom flange between the insole and the inturned marginal portion of the upper, an outsole, a welt between the outsole and said inturned portion of the upper, a line of stitches extending through the welt and said portion of the upper inwardly of the toe box flange and securing the upper and the welt to the insole, means securing the outsole to the welt, and a toe plate between the insole and the outsole inwardly of the welt for preventing inward distortion of the insole.

2,354,339

ELECTRICAL EQUIPMENT

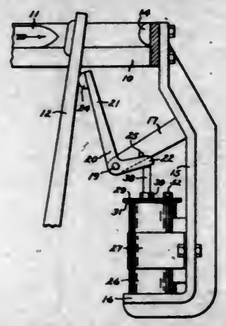
Howard H. Sullins, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 26, 1942, Serial No. 456,153
2 Claims. (Cl. 177—311)



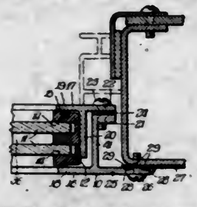
2. In a detachable unit for application to storage battery posts, a plurality of resilient conductive strips in substantial alignment, insulating means supporting the adjacent ends of the strips in spaced relation so that the resilience of said unitary structure provides longitudinal pressure against the battery posts to maintain the unit in position and indicating means mounted on said insulating means connected in series relation with the conductive strips to indicate current flow.

2,354,340
LOOM PICKER CHECK
Gustaf E. Utter, Worcester, Mass.
Application May 7, 1943, Serial No. 486,053
11 Claims. (Cl. 139—161)



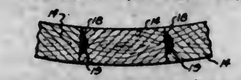
1. In combination with the shuttle of a loom and a picker arranged to drive the shuttle in one direction and to receive the impact of the returning shuttle, a receptacle, a body of liquid in the receptacle, a piston mounted for substantially vertical reciprocation in the receptacle in contact with the liquid, a pivotally mounted bell crank lever having an upright arm arranged to be engaged by the picker as it moves outwardly under the said shuttle impact, the lever also having a laterally extending arm arranged to swing downwardly when the upright arm swings outwardly, and connections between the laterally extending arm and the piston to force the piston downwardly against the resistance of the liquid as the said laterally extending arm swings downwardly, whereby the motion of the shuttle and picker will be checked.

2,354,341
RUBBER GLAZING STRIP FOR MULTIPLE GLASS SASH
Christian M. Verhagen, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application January 20, 1940, Serial No. 314,813
9 Claims. (Cl. 189—64)



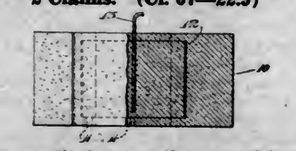
1. In a multiple glass sash, a one-piece rubber glazing strip for insertion in a channel in the frame of the sash in clamped engagement with the sides of the channel, said strip being characterized by a cross web and by a plurality of solid integral flanges at right angles to the cross web for solidly interleaved association with the panes of glass and the sides of the channel, and the flanges on said strip being provided adjacent their edges with solid spacing and sealing portions of increased thickness and substantial width, in which solid spacing and sealing portions the compression on the strip exerted by the sides of the channel is localized to support as well as seal the panes.

2,354,342
JOINT FOR THE WALLS OF VESSELS
Jay P. Walker, Tulsa, Okla., assignor of forty per cent to Guy O. Marchant and six per cent to C. G. Wells, both of Tulsa, Okla.
Application April 14, 1941, Serial No. 388,474
5 Claims. (Cl. 217—96)



1. A wooden storage vessel including, upright staves disposed circumferentially of the vessel and having vertical edges adapted to contact, said staves having self-sealing joints therebetween, each including a packing recess formed by at least one groove extending longitudinally between adjacent vertical edges of said staves, and a solid elastic packing element in said recess having a cross-sectional shape different from the cross-sectional shape of the recess when the staves are in maximum contact and a cross-sectional area less than the cross-sectional area of the recess when the staves are in maximum contact, the cross-sectional diameter of the packing element circumferentially of the vessel being greater when undeformed than the cross-sectional diameter of the recess circumferentially of the vessel when the staves are in maximum or minimum contact, whereby the recess provides additional deforming space for the packing element when the stave edges are in maximum contact and the element is fully deformed thereby so that said element remains elastic and also whereby sealing contact is maintained between the packing element and the staves during expansion and contraction of the joint.

2,354,343
CANDLE
Ralph C. Webber, Whiting, Ind., and Lossie E. Anderson, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application May 29, 1941, Serial No. 395,790
2 Claims. (Cl. 67—22.5)

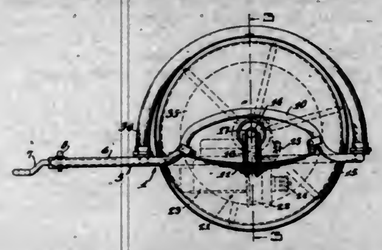


1. A non-guttering candle comprising a body of wax, a wick centrally located within said body of wax, an imperforate shield formed of non-inflammable material embedded within said body of wax concentric with respect to said wick and extending substantially from the bottom to the top of said body of wax, the diameter of said shield being so proportioned relative to the horizontal dimension of said body of wax that said shield retains the pool of molten wax formed as the wax within the shield is consumed and prevents the wax outside the shield from melting and guttering off.

2,354,344
TRAILER
Elwood H. Willetts, Toledo, Ohio, assignor, by mesne assignments, to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application March 23, 1942, Serial No. 435,856
11 Claims. (Cl. 169—24)

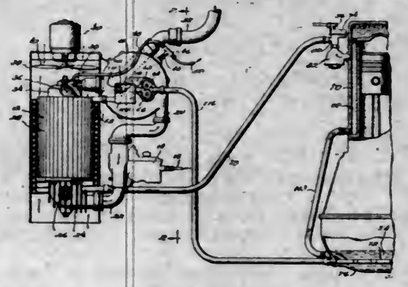
2. In a vehicle of the class described wherein an axle is supported by spaced wheels, a frame

carried by the axle and disposed in underslung relation to the axis of the wheels, a journal carried by the frame in spaced encircling relation to the axle for floating movements relative thereto, a hose reel rotatably mounted on said axle, and



a pump unit carried by the frame intermediate the wheels and capable of having its discharge outlet connected to a hose on the reel, the center of gravity of said parts being below the axis of the wheels.

2,354,345
HEATING APPARATUS
Charles J. Wintergreen, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 6, 1942, Serial No. 464,719
18 Claims. (Cl. 237—2)



1. Heating apparatus of the class described, comprising an internal combustion heater, means for supplying a combustible mixture thereto, a fan for directing ventilating air over said heater, a heating coil in heat transfer relation to said heater, means for connecting one end of said coil with a water jacket of an internal combustion engine, means for connecting the other end of said coil with said water jacket, means for circulating liquid from said water jacket through said coil to heat said water jacket, a thermostat controlling liquid flow through said coil, and means for substituting air for water in said coil when said water jacket has attained a predetermined temperature to render said coil ineffective further to heat water in said water jacket.

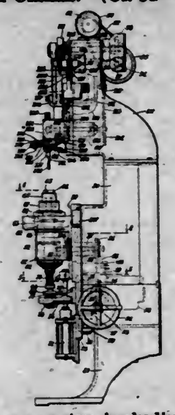
2,354,346
COMBINATION HARVESTER-THRESHER
Wallace F. MacGregor, deceased, late of Racine, Wis., by Richard D. Miller and E. B. Hand, administrators, Racine, Wis., assignors to J. I. Case Company, Racine, Wis., a corporation
Application February 12, 1940, Serial No. 318,504
4 Claims. (Cl. 56—122)

1. A bin structure for a threshing means including an elevator mounted in fixed relation to said bin and at one side thereof for raising grain from the threshing means, and power driven conveying means extending from the top of the elevator to a point over the bin for filling the bin with grain from the elevator, comprising an auger



conveyor having a casing, and a receptacle disposed beneath the casing within the bin, said casing being perforated for the escape of undesirable seeds into the receptacle prior to delivery of the grain from the conveyor into the bin.

2,354,347
LAPPING MACHINE
Wilbur J. Peets, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application June 4, 1941, Serial No. 396,511
11 Claims. (Cl. 51—67)

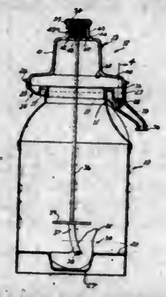


1. Lapping apparatus including a main frame, a sub-frame slidable on said frame and confined to a right line movement, means for reciprocating said sub-frame, a driving device carried by said sub-frame and operatively connected to rotate an eccentric element, a member operatively connected to and vibrated by said eccentric element, a stone holder pivotally mounted on said member, a spring for urging said holder about its pivot, an abrading stone mounted in said holder for pivotal movement relative thereto, a work-holder carried by said main frame, means for moving said work-holder toward said lapping element and means for rotating said work-holder.

2,354,348
DISPENSING APPARATUS
Samuel D. Polsen and Sven H. Nelson, Bridgeport, Conn., assignors of one-fourth to Blanche H. Polsen and one-fourth to Mildred P. Nelson, both of Bridgeport, Conn.
Application July 29, 1941, Serial No. 404,546
18 Claims. (Cl. 221—97)

13. In a dispensing apparatus, a container having an outlet opening at its upper end, a closure on the container above said outlet, a dipper within the container, an operating means connected with the dipper and passing out through the closure for actuation from the exterior of the

container for raising and lowering the dipper in the container to discharge the contents of the latter through said outlet, a seal secured at its lower end to said closure and enclosing the outer



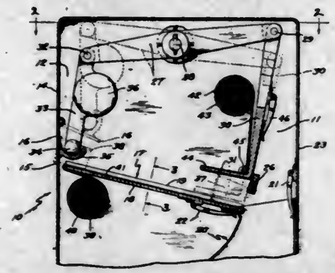
end of said operating means, and said seal comprising an extensible bellows-like means whereby as the means is raised and lowered to raise and lower the dipper all portions of the means drawn to the outer side of the container and closure are kept enclosed by said seal.

2,354,349

CUP DISPOSAL SYSTEM

Samuel D. Polsen and Sven Herbert Nelson, Bridgeport, Conn., assignors of one-fourth to Blanche H. Polsen and one-fourth to Mildred P. Nelson, both of Bridgeport, Conn.

Application August 19, 1941, Serial No. 407,511
10 Claims. (Cl. 100—4)



1. In an apparatus for disposing of used receptacles of paper and the like, a cabinet having a doorway, a stationary platform in said cabinet in position to receive receptacles inserted through said doorway, said platform having an inclined upper surface with its higher portion adjacent said doorway, said platform having a free lower end, a stop above the lower end of said platform in position to prevent the receptacles in normal condition moving off the lower end of the platform, and means operating immediately forwardly of said stop to crush the receptacles and reduce their bulk after which they may move under the stop and off the lower end of the platform.

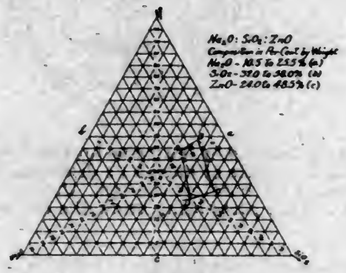
2,354,350

COATED STRUCTURAL MATERIAL

Clyde C. Schuetz, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application November 18, 1939, Serial No. 305,124
13 Claims. (Cl. 117—126)

1. Process of producing a weather-resisting coated asbestos-cement article which comprises applying to at least one surface thereof a flowable coating composition comprising an aqueous solution of an alkali metal silicate and a therewith reactable water-insoluble compound of a divalent metal from the group consisting of zinc oxide, calcium carbonate, magnesium carbonate and high-burned magnesium oxide, and drying and baking the coated article at a temperature between about 250° F. and 450° F. until the reaction between the constituents of said coating composition is substantially completed; said



composition having a formula which expressed in terms of mole percent of its constituents is substantially as follows:

	Mole per cent
M_2O	11.7–26.6
SiO_2	42.1–62.7
MO	19.1–41.2

(the total in any case equalling 100%) and in which M_2O represents an alkali metal oxide, SiO_2 silicon dioxide, and MO the oxide of a divalent element of the stated group.

2,354,351

METHOD OF COATING STRUCTURAL MATERIAL

Clyde C. Schuetz, Mount Prospect, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application January 11, 1941, Serial No. 374,081
2 Claims. (Cl. 117—70)

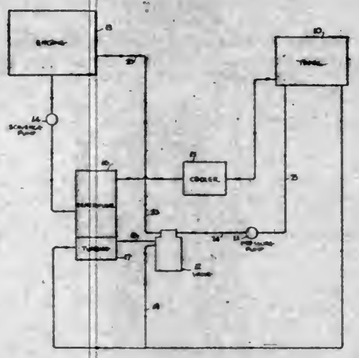
1. Process of coating asbestos-cement articles having free calcium hydroxide in the surface thereof with a liquid glazing composition containing a soluble silicate and an insoluble metal compound reactive therewith which comprises the steps of first removing the sensible moisture contained in the surface of said asbestos-cement articles by preheating the same to a temperature sufficient to remove therefrom the therein contained sensible moisture, thereby rendering the same highly absorbent and bringing them to a temperature which will cause rapid evaporation of water thereto applied but without causing said water to boil, then applying a priming coat of such glazing composition to the preheated articles and causing said coat to dry by the evaporation of the therein contained water as well as by the absorption of some of such water by the superdried fibrous constituents of the asbestos-cement articles to form a layer comprising said soluble silicate and insoluble metal compound which will not freely intermingle with subsequently applied coatings, then applying a second coat of such composition, completely drying both coats and baking to complete the insolubilization reaction between the soluble silicate and said insoluble metal compound.

2,354,352

OIL PURIFYING SYSTEM

Lawrence Price Sharples, Ardmore, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware

Application September 26, 1942, Serial No. 459,248
11 Claims. (Cl. 184—6)



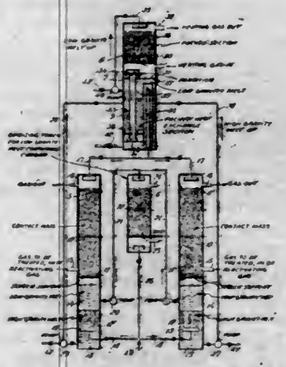
1. In a lubricant purification system, the combination comprising an engine, a scavenge pump for removing lubricant from said engine, a centrifugal separator including a centrifugal rotor mounted in the line of flow of lubricant from said scavenge pump, a lubricant feed pump for feeding lubricant to said engine, a turbine associated with said centrifugal rotor for driving the same, and connections between said lubricant feed pump and said turbine for driving said turbine under energy imparted to said lubricant by said feed pump.

2,354,353

METHOD AND APPARATUS FOR CATALYTIC CONVERSIONS

Armand J. Abrams, Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application January 4, 1941, Serial No. 373,075
19 Claims. (Cl. 196—52)



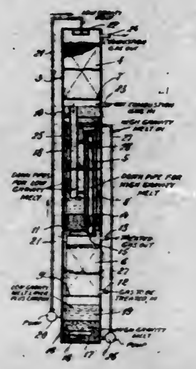
3. A process for the conversion of hydrocarbons in the presence of a contact mass comprising passing the hydrocarbons in vapor form and at conversion temperature through said contact mass, additionally flowing over said contact mass a high gravity fluid heat transfer medium selected from the group metals and metal alloys, in molten form, said fluid medium being present in amount insufficient to flood the interstices of the contact mass, said fluid medium being incapable of appreciably wetting said contact mass, contacting said high gravity fluid medium at a point external to said contact mass with a low gravity fluid medium selected from the group molten inorganic salts and mixtures of inorganic salts inert to oxidation for removal of carbonaceous matter from the high gravity liquid, circulating said low gravity fluid medium into contact with an oxidizing gas at a point external to its contact with heavy fluid medium and external to the reaction contact mass for removal of said carbonaceous matter from the low gravity liquid and returning such low gravity liquid to contact with the high gravity liquid, circulating the high gravity fluid medium to a point external to the reaction contact mass and there contacting the high gravity fluid medium with a second low gravity fluid medium to adjust the temperature of the high gravity fluid medium and returning the high gravity fluid medium to the reaction contact mass.

2,354,354

HYDROCARBON CONVERSION

Armand J. Abrams, Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

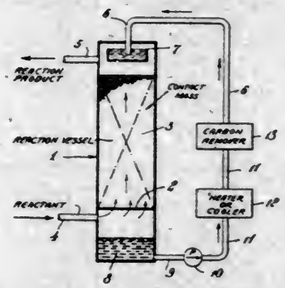
Application October 22, 1941, Serial No. 416,017
7 Claims. (Cl. 196—70)



1. The process of thermally converting hydrocarbons which comprises passing the hydrocarbons in a gaseous state under conversion conditions through a conversion zone packed with inert contact material, flowing a molten metallic heat transfer medium of high gravity through said zone in direct contact with said hydrocarbons but in insufficient amount to flood the voids of the packing whereby heat is transferred to the hydrocarbons and carbonaceous residue produced as a by-product of the conversion is carried along in the liquid medium, removing high gravity melt from the conversion zone, scrubbing the removed high gravity melt in a scrubbing zone with a low gravity melt of an inorganic salt which is immiscible with the high gravity melt and which is not sensitive to oxygen under combustion conditions thereby transferring the carbonaceous residue to the low gravity melt, directly contacting said removed high gravity melt with a heated liquid of different gravity and which is immiscible therewith to adjust the heat content of such high gravity melt for re-use in the conversion zone, returning this heated high gravity melt to the conversion zone, contacting said low

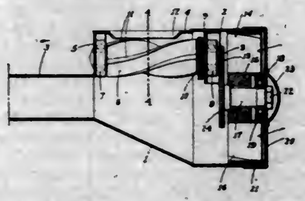
gravity melt scrubbing medium containing carbonaceous residue outside the scrubbing zone with an oxidizing gas under combustion conditions to remove said carbonaceous matter, and returning the resulting carbon-free low gravity scrubbing medium to the scrubbing zone.

2,354,355
CONVERSION OF HYDROCARBONS
Armand J. Abrams and Irving H. Welinsky, Dallas, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application October 22, 1941, Serial No. 416,018
4 Claims. (Cl. 196—50)



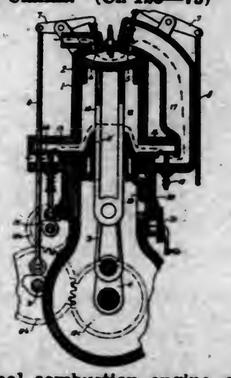
1. The process of catalytically reforming aliphatic hydrocarbons of approximately gasoline boiling range to provide aromatic hydrocarbons of gasoline boiling range which comprises passing the hydrocarbon charge stock in vapor form through a bed of catalyst under reforming conditions in direct contact with molten lead as a heat transfer medium which is flowed through the catalyst bed in insufficient amount to flood the voids therein, removing liquid heat transfer medium from the catalyst bed, eliminating carbonaceous matter from said removed liquid medium and adjusting its heat content for re-use in the catalyst bed, and returning the thus treated liquid heat transfer medium to the catalyst bed.

2,354,356
PICKING DEVICE
Charles Edwin Ashton, Stockton, Calif.
Application July 27, 1943, Serial No. 496,295
9 Claims. (Cl. 56—32)



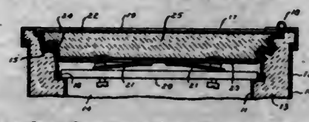
1. A picking device comprising a housing adapted for connection with a suction conduit, said housing having an air intake port and a spaced material intake mouth therein, a driven picking device mounted in the housing adjacent and in cooperative relation to said mouth, a suction actuated impeller rotatably mounted in the housing in the path of air drawn through said port, and drive means between the impeller and picking mechanism; said picking mechanism comprising a pair of cooperating picking rolls rotatably mounted in adjacent parallel relation, the rolls being driven to turn toward each other on the side adjacent said mouth, and said mouth being of a width less than the distance between the roll axes and of a length slightly less than said rolls.

2,354,357
ENGINE
Walter L. Barthelemy, Dayton, Ohio
Application November 20, 1942, Serial No. 466,259
19 Claims. (Cl. 122—75)



3. An internal combustion engine, wherein a reciprocatory piston within a cylinder successively draws a fuel charge into the cylinder, compresses the charge, imparts a power stroke to a crank shaft upon explosion of the compressed charge and ejects the spent products of combustion preparatory to repetition of the cycle of operation, including an auxiliary head in said cylinder approached by the piston upon the intake and power strokes, a precompression chamber in the cylinder intermediate the piston and auxiliary head, a valved fuel intake passage leading thereto, a storage reservoir for fuel under compression, a valved discharge passage for precompressed fuel from the precompression chamber to the reservoir, a valved passage from the reservoir to the cylinder, and valve operating devices for opening and closing the valved passages in timed sequence, the construction and arrangement being such that successive fuel charges are precompressed by the approach of the piston toward the auxiliary head during the power stroke and fuel intake stroke thereof and admitted under pressure through the reservoir to the cylinder only during the fuel intake stroke, and means for automatically varying the capacity of the precompression chamber and the degree of compression of the fuel charges in accordance with fluctuations of engine speed.

2,354,358
VALVE DOOR CONSTRUCTION
Charles J. Bates, Englewood, N. J., assignor to Diebold, Incorporated, a corporation of Ohio
Application December 24, 1942, Serial No. 470,083
10 Claims. (Cl. 109—75)

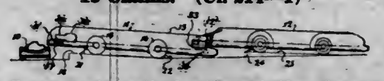


1. In valve door construction, a main door, a valve panel, thermally actuated means including a strip member with spaced connections supporting the valve panel on the main door for movement with respect to the main door at a predetermined temperature, and valve seat means for closure by the valve panel on movement with respect to the main door.

2,354,359
PROCESS OF IMPROVING HYDROCARBON MIXTURES
Leland James Beckham, Geddes, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application December 4, 1941, Serial No. 421,551
8 Claims. (Cl. 260—513)

1. In the process for preparing products having surface active properties comprising reacting nitrosyl chloride with a mixture of petroleum hydrocarbons comprising olefines to convert the mixture to a composition comprising hydrocarbons and addition products of olefines and nitrosyl chloride, and reacting the addition products with an alkali metal sulfite to replace chlorine therein with a sulfonate group, the improvement which comprises pretreating the petroleum hydrocarbons comprising olefines, to remove undesirable constituents of the petroleum hydrocarbons, by reacting said petroleum hydrocarbons with nitrosyl chloride under conditions adapted to form addition products between nitrosyl chloride and olefines in said petroleum hydrocarbons, the amount of nitrosyl chloride employed being not more than the amount corresponding to 0.2 mol of the nitrosyl chloride for each mol of olefine in the petroleum hydrocarbons, whereby unreacted olefines are left in substantial amount in said petroleum hydrocarbons, removing resulting reaction products containing chlorine from said petroleum hydrocarbons by reacting said reaction products with an alkali metal sulfite to replace the chlorine with a sulfonate radical, thereby converting the reaction products to water-soluble sulfonates, and separating the water-soluble sulfonates from said olefine-containing petroleum hydrocarbons.

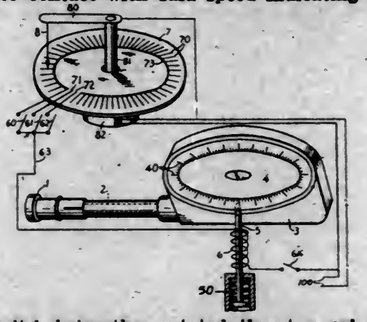
2,354,360
LOADING STATION FOR SHUTTLE CARS
Roy S. Bigelow, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 6, 1943, Serial No. 501,369
15 Claims. (Cl. 214—1)



1. In an automatic loading station for shuttle cars, a transfer conveyer having sufficient capacity to receive and store the entire load carried by a shuttle car, means for driving said transfer conveyer at the speed of unloading of said shuttle car for receiving the load discharge by said shuttle car, said means being operable to drive said transfer conveyer at a slower speed, for discharging its load as the shuttle car moves away from said transfer conveyer.

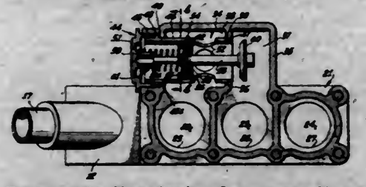
2,354,361
PRODUCTION RECORDER
Herbert W. Brougham, Seattle, Wash.
Application May 17, 1941, Serial No. 394,039
6 Claims. (Cl. 234—29.5)

1. A speed indicating device adapted to be operated by time-keeping mechanism and by machine tool movement responsive mechanism, comprising a casing adapted to be carried in the hand of a user, a speed indicating disk supported by said casing in visible position, graduated circumferentially in units of work travel, and rotatable by such machine tool movement responsive mechanism at a rate corresponding to work travel, a marker carried by said casing in position for movement to mark on the graduated portion of said speed indicating disk, means operable by the time-keeping mechanism to move said marker into contact with said speed indicating disk



while it is being thus rotated, thus to mark it at the beginning and again at the end of a predetermined time period, whereby the spacing of the marks thus produced upon the graduated portion of said speed indicating disk constitutes a measure of the operating speed of the machine tool work, and control means exteriorly of and carried by said casing, manually operable at will to initiate operation of said marker moving means, and thereafter operable to terminate operation of said marker moving means while said speed indicating disk is being thus rotated.

2,354,362
OIL COOLER HAVING PROTECTIVE AND CONTROL MEANS
Bruce Burns, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California
Application July 27, 1942, Serial No. 452,447
4 Claims. (Cl. 257—2)



1. In a protective device for connecting to the hot oil delivery piping and the cooled oil return piping of an oil cooling system, a heat exchanger having a cooling chamber with an inlet opening and an outlet opening, said protective device having inlet passage means connecting said delivery piping to said inlet opening, outlet passage means connecting said return piping to said outlet opening, bypass passage means connecting said inlet passage means with said outlet passage means and bypass valve means for said bypass passage means operating in response to excess pressure in said inlet passage means to permit a flow through said bypass passage means to said outlet passage means, said inlet passage means comprising walls forming a restricted first

circular opening intermediate its ends, and a second circular opening connecting with the outside the interior space of said inlet passage means downstream from said first opening, said second opening being axially aligned with said first opening and being of a diameter at least equal to that of said first opening, a protective valve assembly for installation from the outside through said second opening, comprising in combination: a hollow cylinder open at its inner end, having a fluid tight engagement with the walls of said openings and formed with a port intermediate its ends and downstream from said first opening; a valve stem in said cylinder projecting inwardly from the open end of said cylinder; a piston on said valve stem slidably engaging the bore surface of said cylinder outwardly from said port; stop means limiting inward movement of said piston toward said port; means resiliently urging said piston toward said stop means; a valve on the inner end of said stem of a diameter not greater than the outside diameter of said cylinder for closing the inner end of said cylinder; and means for securing said cylinder against longitudinal movement with respect to said openings.

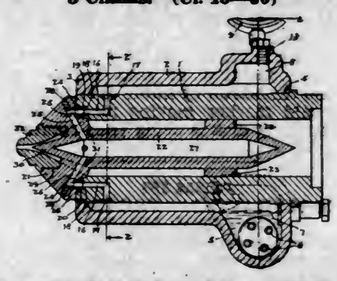
2,354,363

MEANS FOR HEATING THERMOPLASTIC MATERIALS FOR MOLDING

Arthur A. Burry, Toronto, Ontario, Canada

Application April 23, 1943, Serial No. 484,296

8 Claims. (Cl. 18—30)



1. A means for heating thermo-plastic materials for molding, comprising a cylinder having an open end surrounded by a steam jacket, said cylinder having ducts formed therein communicating with the steam jacket and leading to an end surface, a head closing the open end of the cylinder and having a hollow core extending into and spaced from the cylinder wall, said head having ducts communicating with the ducts in the cylinder and leading into the hollow core, and means for pressure sealing the juncture of the ducts of said cylinder with the ducts of said head.

2,354,364

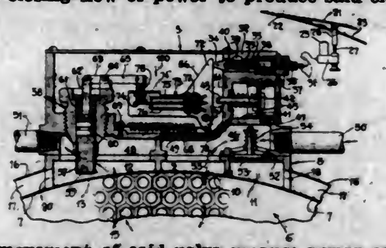
OIL COOLING DEVICE

James E. Chapman, Los Angeles, Calif., assignor to The Garrett Corporation, Aireserarch Manufacturing Company division, Los Angeles, Calif., a corporation of California

Application January 4, 1943, Serial No. 471,247

8 Claims. (Cl. 236—35)

2. In a control for an oil cooler having an oil passage for the flow of oil to be cooled and an adjacent passage for the flow of a cooling medium in heat exchange relation to said flow of oil, and valve means for reducing and increasing the flow of said cooling medium through said adjacent passage, the combination of: a thermostat exposed to changes in the temperature of said flow of oil; a part moved forward in consequence of the warming of said thermostat and rearward in response to the cooling of said thermostat; a second part movably supported in cooperative relation to said first part; means to move said second part forward in consequence of the opening movement of said valve means and rearward in consequence of the closing movement of said valve means; motor means operable by an opening flow of power to produce said opening movement of said valve means and operable by a closing flow of power to produce said clos-



ing movement of said valve means; power control means operating in consequence of forward movement of said first part from a neutral position relatively to said second part to produce an opening flow of power to said motor means and to produce a closing flow of power to said motor means in consequence of the rearward movement of said first part from said neutral position relatively to said second part; and means operating in consequence of the building up of an excess oil pressure in said oil passage of said cooler to move said second part forward from said neutral position whereby said power control means will be actuated to produce a closing flow of power to said motor means.

2,354,365

COUPLING DEVICE FOR ADJUSTABLE COUPLING SYSTEMS

Alfred Crossley, Chicago, Ill., assignor, by mesne assignments, to Aladdin Radio Industries, Incorporated, Chicago, Ill., a corporation of Illinois

Continuation of application Serial No. 301,692, October 28, 1939, which is a division of application Serial No. 158,695, August 12, 1937. This application February 7, 1942, Serial No. 429,880

3 Claims. (Cl. 171—119)



1. A coupling device including in combination, an insulating tube, first, second, third and fourth coils, said first and second coils being serially connected in aiding relation, said third and fourth coils being serially connected in opposing relation, said first and third coils being wound in closely coupled relation adjacent one end of said tube, said second and fourth coils being wound in closely coupled relation but spaced from said first and third coils adjacent the other end of said tube, and a ferromagnetic core structure positioned within said tube and movable relatively to said coils, said core structure being continuous magnetically and having an over-all length substantially equal to the distance between the center of the closely coupled coils on one end of said tube and the center of the closely coupled coils on the other end of said tube.

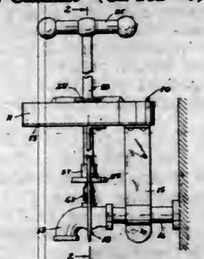
2,354,366

VALVE SHUTOFF DEVICE

John G. Fisher, Monrovia, Calif.

Application February 12, 1944, Serial No. 522,189

7 Claims. (Cl. 161—7)



1. A shut-off device including a housing, a bearing rotatably mounted on the housing, a bar supported by said bearing and rotatable therewith, valve engaging means on the bar, said bearing having an outwardly extending ratchet toothed flange thereon, a collar rotatable on said bearing, a time setting arm secured to said collar, a timing gear rotatable on said bearing, spring means urging the timing gear in one direction, a dog pivotally mounted on said timing gear, said dog having a tooth engageable with the ratchet teeth on said flange, means normally urging the teeth into engagement, said collar having a cam member thereon, said cam member having an arcuate cam face, said dog including a member disposed to engage said cam face, and means controlling rotation of said timing gear.

2,354,367

DISPLAY SIGN

David Otis Ford, Petersburg, Va.

Application February 26, 1940, Serial No. 320,731

19 Claims. (Cl. 41—39)



2. In the art of forming a light transmitting sign element, the method which consists in subjecting a blank of polymerized derivative of methacrylic acid to the heating effect of boiling water for a period of time sufficient to soften one of its exposed surfaces without changing the initial configuration of the body and drilling, grooving or similarly machining said soft surface with roughened areas to form therein a desired form of sign character having a silver-like reflecting surface comprising a multitude of angularly disposed facets capable of reflecting light passed through the blank parallel to said surface.

2,354,368

INTERVAL TIMER

William P. Gallagher, Chicago, Ill., assignor to International Register Company, Chicago, Ill., a corporation of Illinois

Application January 2, 1942, Serial No. 425,397

15 Claims. (Cl. 200—38)

1. In a switch, the combination of a pair of cooperating contacts, one movable relatively to the other, and switch actuating mechanism effecting snap opening of said switch by motion of



said movable contact along one path, and effecting snap closing of said switch by motion of said movable contact along another path.

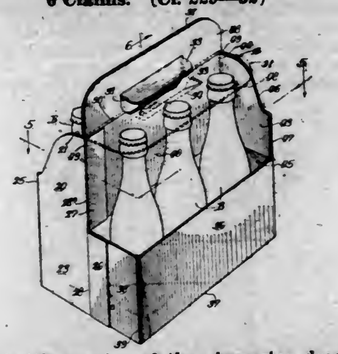
2,354,369

BOTTLE CARRIER

Clyde L. Gilbert, Elkhart, Ind., assignor to American Coating Mills, Inc., Elkhart, Ind., a corporation of Indiana

Application April 19, 1943, Serial No. 483,569

6 Claims. (Cl. 229—52)



1. A bottle carrier of the character described comprising, an open top bottle receiving box-like body portion having single thickness side and end walls hinged together at their edges and a one piece bottom wall extending between and connecting said side walls and integrally hinged at its side edges to the lower edges thereof, said end and bottom walls having central fold lines disposed substantially in the lengthwise medial plane of said body portion, and two reversely related panel structures each comprising a carrying panel having at one end a supporting panel element extending upward from one of said end walls and at its other end a connecting panel element secured to the outer edge of the other supporting panel element, said carrying panels being positionable back to back substantially in said medial plane by relative endwise movement in opposite directions, and said connecting panel elements being positioned at the inner face of said supporting panel elements, in the act of setting up said carrier, said carrying panels having interengaging means locking them against relative endwise movement.

2,354,370

BOTTLE CARRIER

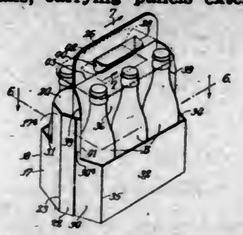
Clyde L. Gilbert, Elkhart, Ind., assignor to American Coating Mills, Inc., Elkhart, Ind., a corporation of Indiana

Application August 2, 1943, Serial No. 498,981

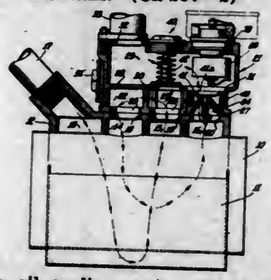
9 Claims. (Cl. 229—52)

1. A bottle carrier of the character described comprising, an open top bottle receiving box-like

body having side and end walls each formed of a single thickness of material and a one piece bottom wall extending between and connecting said side walls, carrying panels extending upward from said body disposed in substantially the lengthwise medial plane thereof, and tubular structures connecting said panels to said end walls centrally thereof.



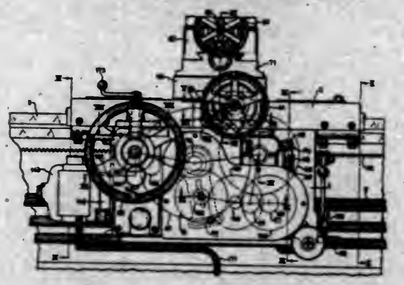
2,354,371
OIL COOLER CONTROL
George Herbert Gill, Manhattan Beach, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Inglewood, Calif., a corporation of California
Application June 6, 1942, Serial No. 446,104
3 Claims. (Cl. 257—2)



2. In an oil cooling system of the class described, having hot oil delivery piping and cooled oil return piping a heat exchange assembly having a cooler with an inlet port and an outlet port, and having a port to receive oil from the delivery piping, said ports being arranged in alignment substantially in the same plane in an upper exterior wall in said assembly, said heat exchange assembly having means for conducting a flow of cooling fluid therein and a means for regulating said flow of cooling fluid, the combination of: a housing having walls providing a unit inlet chamber for connection to said delivery piping, a cooler inlet chamber for connection to said cooler inlet, a cooler outlet chamber for connection to said cooler outlet, a passageway connecting said cooler inlet and cooler outlet chambers, a unit outlet chamber for connection to said return piping, at least one of the walls of each of said passageway and unit outlet chambers being an exterior wall of said unit, a first port between said unit inlet chamber and said unit outlet chamber, a second port between said cooler outlet chamber and said unit outlet chamber; a check valve structure mounted in an exterior wall of said passageway having a normally open valve for closing said passageway, and a spring weighted piston responsive to excessive oil pressure in said passageway to move said valve to close said passageway; a check valve structure mounted in an exterior wall of said unit outlet chamber having a normally closed relatively heavily spring weighted valve for opening said first port in response to excessive pressure in said unit inlet chamber; a check valve structure mounted in said second port having a relatively lightly spring weighted valve for closing said second port in response to a reversely acting pressure drop between said unit outlet chamber and said cooler outlet chamber; and a thermostat control device for said regulating means supported in an exterior wall of said unit outlet chamber opposite said second port with its thermostatic element in said unit outlet chamber

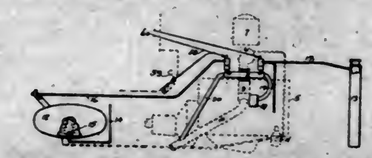
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2,354,372
TAPER TURNING APPARATUS
William F. Groene and Harry C. Kemper, Cincinnati, Ohio, assignors to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application February 18, 1942, Serial No. 431,426
7 Claims. (Cl. 82—16)



1. In an apron transmission mechanism for effecting taper cutting by simultaneous operation of the carriage and cross slide of a lathe, a power input shaft, means for reversably connecting power from said input shaft to a driven element, means for alternately connecting said driven element for longitudinal feeding of the carriage or cross feeding of the cross slide of said lathe, and means for connecting said driven member for the longitudinal feeding of said carriage and driving the cross slide mechanism of said lathe through the apron transmission with the longitudinal movement of said carriage, said last mentioned means incorporating change gear mechanism for effecting relative differences of feed relative movement of the carriage and cross slide, and rapid traverse power means reversably connectable to the means for effecting the longitudinal movement of said apron and carriage.

2,354,373
SUBCARBURETOR
Lincoln Hanks, Tacoma, Wash.
Application February 3, 1943, Serial No. 474,514
12 Claims. (Cl. 123—119)



1. In an internal combustion engine having a carburetor, the combination of a subcarburetor interposed between the carburetor and the engine and containing a mixing chamber; a freely rotating fan mounted in the mixing chamber and athwart the stream of vapor passing from the carburetor to the engine, and turned thereby; a supplemental vapor supply pipe leading into said mixing chamber; and a spring-resisted automatic valve in said supply pipe and operated by the difference of pressure between the mixing chamber and the atmosphere, whereby said pipe is closed at an extreme difference of pressure and opened only at predetermined differences of pressure.

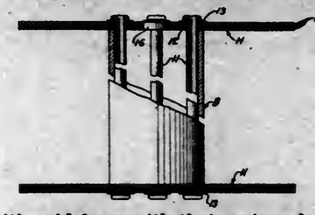
2,354,374
LOCK NUT
Stanley B. Holmes, Santa Monica, Calif.
Application May 17, 1943, Serial No. 487,268
8 Claims. (Cl. 151—15)



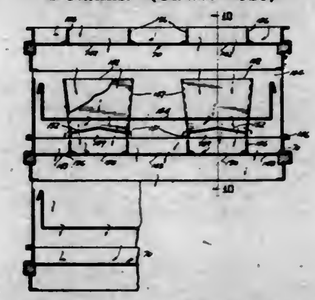
1. In a locking nut combination which comprises a primary nut having a body of polygonal exterior formation and having a seat face adapted to seat on a face of the member held by the nut, and a locking nut with a thread forming a continuation of the thread in the primary nut and adapted to seat against an outer face of the primary nut; the improvement which includes a bottomed central circular recess in the outer face of the primary nut body, said recess having a bottomed recess extension within the nut body which opens out to at least one side of the primary nut body, the recess being surrounded and the extension being laterally delimited by circumferential walls formed integrally of the body of the primary nut and lying within the circumferential confines of that body, the recess bottom face being completely annular in a plane normal to the axis of the nut to form a completely annular seating face for the locking nut, and the central recess and the recess extension lying in the same plane, the locking nut having a circularly annular body of a diameter less than that of the primary nut, said annular body received within said recess and having a wholly annular bottom face seated on the annular bottom face of the recess and held to that face by overhangs of the recess wall, the locking nut having an extending lug which projects radially outwardly from the annular body into the recess extension and which reaches outwardly to a radius substantially not greater than that of the primary nut body, and the bottom faces of the annular body and of the extending lug being substantially co-planar.

2,354,375
SPOOL OR REEL
Hilyard C. Howsam, Chicago, Ill., assignor to Hubbard Spool Company, Chicago, Ill., a corporation of Illinois
Application February 15, 1943, Serial No. 475,879
1 Claim. (Cl. 242—118)

A spool comprising a tubular barrel, heads for the ends of said barrel having flat outer faces, said heads having openings therethrough, tubular metallic tie members extending through said barrel and said head openings, spring washers receiving the outer ends of said tie members and having outwardly extended necks, the outer portions of said tie members being riveted around said necks, said washers being primarily of conical dish shape with only their outer edges engaging the flat outer faces of said heads but said washers being deflected into intimate flat engagement with said faces with their outer edges withdrawn from cutting edge contact with said faces when the outer portions of said tie members are riveted around the washer necks.



2,354,376
CORN SIZING APPARATUS
Harry L. Johnson, Minneapolis, Minn.
Application February 4, 1942, Serial No. 429,492
4 Claims. (Cl. 209—316)

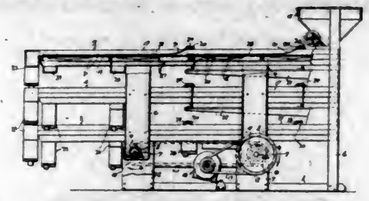


3. In a corn sizing machine, a hopper, a series of superimposed vibratory screens arranged to receive corn at one end and progress said corn toward the other end while making size classifications thereof, two upper screens of the series having identically sized classifying openings, and a third, lower screen, having relatively smaller classification openings, means for dividing a supply of corn discharged from the hopper into two parts and respectively conducting such parts to the receiving ends of the said two upper screens whereby said two screens will perform identical functions in classifying the corn supplied thereto, and means for directing the corn passing through both of said screens onto the third mentioned screen for reclassification by the relatively smaller openings therein.

2,354,377
CORN GRADING APPARATUS
Harry L. Johnson, Minneapolis, Minn.
Original application February 4, 1942, Serial No. 429,492. Divided and this application April 24, 1943, Serial No. 484,368
3 Claims. (Cl. 209—266)

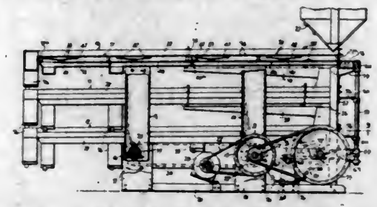
1. In a corn grading apparatus of the character described and having at least one substantially horizontal screen adapted to receive the corn at one end and deliver rejected corn from its other end, means for moving the screen in a rotary path and in a vertical plane such that the screen moves in the direction of its delivery end during its travel over the lower part of said circular path whereby the corn will be projected

first upwardly and toward the delivery end of the screen but with a component of movement tending to cause individual kernels to tumble



back in the opposite and other directions, and an apron arranged to rest upon the corn as it passes along the screen for resisting such tumbling tendency of the corn.

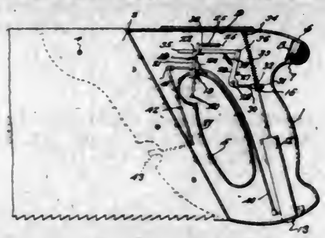
2,354,378
SCREEN CLEANER FOR CORN SIZING APPARATUS
Harry L. Johnson, Minneapolis, Minn.
Original application February 4, 1942, Serial No. 429,492. Divided and this application May 17, 1943, Serial No. 487,284
4 Claims. (Cl. 209—385)



1. The combination in a seed corn sizing apparatus having a screen and means for vibrating the same to cause up and down movements of the screen, of mechanism for clearing lodged corn kernels from the openings in the screen including at least one wiper member arranged beneath the screen, leaf spring means yieldably supporting the wiper member upwardly against the screen, the said spring means being of such nature that it will be vibrated by the said up and down movements of the screen to cause the wiper member to vibrate against the underside of the screen and means for moving the wiper member over the undersurface of the screen as it is being vibrated, the said wiper member having angular ribs on its upper side for angular camming engagement with lodged corn kernels in the screen.

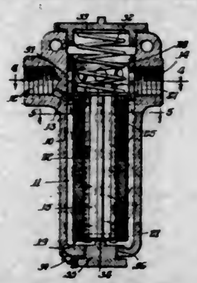
2,354,379
SAW LUBRICATING DEVICE
Joel Ezra Johnson, Boaz, Ala.
Application October 9, 1942, Serial No. 461,459
1 Claim. (Cl. 145—35)

In a blade lubricating device for a saw of the type having a hollow oil-containing handle provided with a finger accommodating opening therein, a fluid pump adapted to be mounted in said handle and having intake and discharge sides, respectively, and a plunger operative in one direction to draw oil in the said intake side and in the opposite direction to force oil out of said discharge side, an oil discharge line extending from said discharge side and including jets adapted to discharge against opposite sides of the blade, spring means adapted for mounting in said handle and for operating said plunger in said opposite direction, means for operating said plunger in said one direction in opposition to said spring means adapted to be mounted in said handle and comprising a trigger adapted to be arranged in said opening, and operating connections between said trigger and plunger, automati-



cally disconnected under operation of said trigger beyond a predetermined point, said operating connections comprising a cam end on said trigger, and a pivoted lever having an edge notch therein with which said cam edge normally engages, said cam under movement of said trigger beyond said predetermined point disengaging said notch.

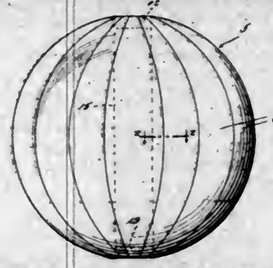
2,354,380
FILTER
Walter Kasten, Franklin, Mich., assignor to Ralph L. Skinner, Birmingham, Mich.
Application July 22, 1942, Serial No. 451,938
1 Claim. (Cl. 210—187)



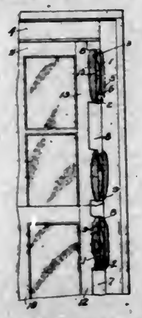
In an edge-filtration filter-pack having a series of registered layers of filter-material surrounding a central longitudinal passage through the series, a rod in said passage, a pair of terminal-members mounted on said rod in spaced apart relation lengthwise the rod and fixed against movement on the rod longitudinally of the latter, said series of layers of filter-material being maintained pressed together in face-to-face contact with one another by and between said terminal-members, the novel improvement of said rod having a plurality of longitudinal transversely-radiating arms peripherally-recessed in register and of at least one of said terminal-members having an aperture accommodating said rod and with lugs extending inwardly of said aperture and occupying said recesses of said arms.

2,354,381
GLOBE
James D. Kennedy, Chattanooga, Tenn.
Application September 9, 1942, Serial No. 501,679
7 Claims. (Cl. 35—46)

1. A globe constructed of a plurality of segments, dovetail-shaped tongues projecting from the side edges of the segments and adapted for interlocking engagement with each other at adjacent edges of the segments, each of said segments having a portion of a map displayed thereon, and means for securing the ends of the segments to form a sphere.



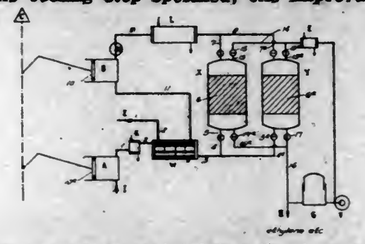
2,354,382
WINDOW CONTROL
Lee W. Kent, Evanston, Ill.
Application August 31, 1942, Serial No. 456,762
4 Claims. (Cl. 292—76)



1. A window sash control for engagement between a member of a window frame and a window sash having an opening therein, said sash control comprising a concavo-convex spring body strip continuously curved from end to end, and a combination supporting and locking member on one end of said body strip at right angles to the curvature of the body strip adapted only to be engaged in the sash opening when the body strip is compressed toward the sash and further adapted to lockingly spring into gripping engagement with the walls of the opening when the body strip is released and springs back into normal position to resiliently clamp the free end of the body strip against the sash.

2,354,383
PROCESS OF ADSORBING GASES AND VAPORS
Siegfried Kiesskalt, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian
Application October 8, 1940, Serial No. 360,291
In Germany October 28, 1939
1 Claim. (Cl. 183—114.2)

In a process of recovering by adsorption gases and vapors from a mixture of gases and vapors which comprises, compressing the mixture, cooling the mixture under pressure by heat exchange with cold products from the process, passing the thus cooled mixture while under pressure through an adsorption zone and therein contacting the same with a selective adsorbent for the gases and vapors sought to be recovered, expanding the non-adsorbed gases and vapors with external work and passing the expanded gases and vapors in heat exchange relationship with said compressed mixture flowing to said adsorption zone in the cooling step specified; the improvement



which comprises, maintaining the temperature of said compressed mixture entering said adsorption zone substantially uniform by varying the pressure maintained on the non-adsorbed gases and vapors supplied to said expansion step in direct ratio with any variations in the temperature of said compressed mixture leaving the cooling step specified.

2,354,384
ECONOMIZER DOOR FOR BOILER ENCLOSURES
Benjamin Lebaree and Robert K. Knipe, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 25, 1941, Serial No. 408,224
4 Claims. (Cl. 189—34)

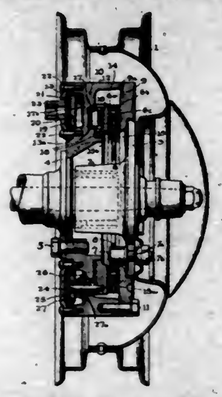


1. A light weight removable sheet metal panel structure for boiler enclosures such as an economizer door; said structure comprising a substantially uninterrupted metal sheet; an angle or Z-section marginal rail having one arm gas-tightly secured to the inner surface of the sheet, said arm extending laterally away from the center of the door and having its margin substantially coincide with a margin of said sheet; angle or Z-section cross rails or stiffeners extending across said structure and being arranged spaced from and generally parallel to each other, said cross rails having one of their arms likewise secured to the inner side of said sheet; a heat insulating plate being secured to the outside of said sheet by means attached to the uninterrupted outer side of the sheet; the margin of the sheet and the arm of said marginal rail which overlap each other being adapted to be gas-tightly clamped to the margins of an opening in the adjoining boiler enclosure structure; said panel with its marginal and cross rails being furthermore adapted to withstand considerable difference in pressure on its opposite sides without undue distortion.

2,354,385
BRAKE
Homer T. Lambert, St. Joseph, Mich., assignor to Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan
Application April 15, 1943, Serial No. 483,191
10 Claims. (Cl. 188—72)

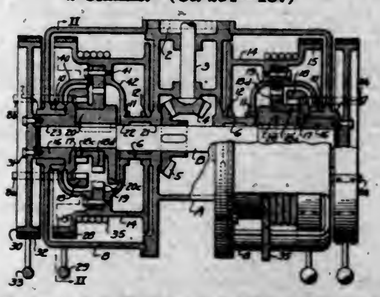
1. In brake mechanism of the class described, a stationary casing, having means dividing the

casing into spaced chambers and closing means for each of said chambers, an axially movable rotary member to be braked and braking means therefor arranged in one of said chambers, pressure operated actuating means for said braking means including a diaphragm and thrust transmitting means mounted in the other of said



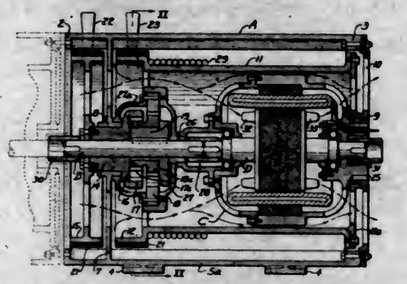
chambers, said diaphragm being secured to the casing by the closure means for the last-mentioned chamber, thereby isolating said actuating means from the heat produced by brake application, and expansion means intermediate the diaphragm and the dividing means for moving the diaphragm to relief position upon release of the actuating pressure.

2,354,386
HOIST
Frank P. Lawler, Chicago, Ill., assignor of one-third to Charles H. Grant, San Francisco, Calif., one-third to Frank P. Lawler, Chicago, Ill., and one-third to Paul J. Tyler, Oroville, Calif.
Application May 20, 1942, Serial No. 443,705
2 Claims. (Cl. 254—187)



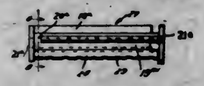
2. In a hoist of the character described, a drive gear housing having a bearing extension on one side, an outboard bearing secured to the housing, a cable drum journalled on the bearing extension and on the outboard bearing, a drive shaft journalled in the bearing extension and the outboard bearing, a brake drum journalled in the outboard bearing, a brake drum secured to the cable drum, an internal ring gear secured to the brake drum which is journalled in the outboard bearing, an internal ring gear secured to the cable drum, an eccentric secured to the drive shaft, a pair of connected gears journalled on the eccentric and intermeshing with the respective ring gears, a brake band for each brake drum, means for anchoring one end of each brake band with relation to the outboard bearing and the drive gear housing, a pair of levers connected with the opposite ends of the brake bands, means for pivotally supporting each lever with relation to the outboard bearing and the drive gear housing, and a cover member carried by the cable drum and forming a closure for one side of the gears and the eccentric, said cable drum forming a closure for the other side to retain a lubricant and to exclude foreign matter.

2,354,387
HOIST
Frank P. Lawler, Chicago, Ill., assignor of one-third to Charles H. Grant, San Francisco, Calif., one-third to Frank P. Lawler, Chicago, Ill., and one-third to Paul J. Tyler, Oroville, Calif.
Application June 5, 1942, Serial No. 445,863
2 Claims. (Cl. 254—186)



2. In a hoist of the character described, a frame, a bearing in the frame adjacent one end thereof, a detachable head member secured to the opposite end of the frame, a bearing on said head, a cable drum having a drum head at each end and journalled on said bearings, the drum head adjacent the head member being detachable, a motor within the drum, said motor having a housing and a rotor and shaft journalled therein, a sleeve-like extension on one end of the motor housing and extending into the bearing on the head member, a key in said bearing anchoring the sleeve and motor housing against rotation, a sleeve-like extension on the opposite end of the motor housing, a bearing on the cable drum to receive and support said last named extension, a drive shaft, a coupling between the rotor shaft of the motor and the drive shaft, and a reduction gear drive interposed between the drive shaft and the cable drum to drive the same.

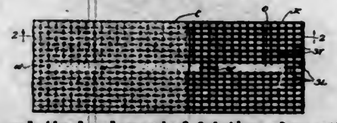
2,354,388
SMOKING PIPE
John S. Lewis, Frederick, Okla.
Application August 22, 1942, Serial No. 455,790
1 Claim. (Cl. 131—218)



A filter for a smoking pipe adapted for mounting in a pipe stem, said filter comprising a tubular core of a diameter less than that of the stem, disks at each end of the core sealing the stem, said core being open at one end and closed at its other end, one of said disks having an opening,

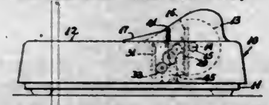
and circumferentially spaced longitudinally extending ribs carried by the core forming a tortuous passage, a pair of said ribs having notches on the edges thereof and an absorbent pad positioned between said pair of ribs, said core also having an opening for receiving smoke from the passage.

2,354,389
FRICTION ELEMENT
Harvey J. Lidkea, Detroit, Mich., assignor to American Brake Shoe Company, a corporation of Delaware
Application March 17, 1941, Serial No. 383,737
6 Claims. (Cl. 192—107)



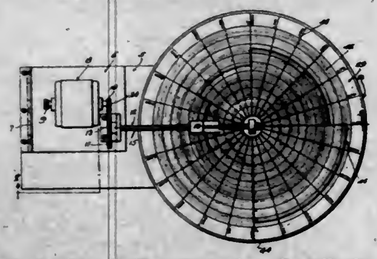
1. A relatively elongated friction element comprising a composition body and a reinforcing back having unlike coefficients of expansion, said back being divided into substantially independent sections longitudinally thereof to thereby minimize the effects of unequal heat induced expansion and contraction of said body and back, said sections being interconnected at spaced intervals therealong only by relatively narrow webs.

2,354,390
PUSH LOCK FOR BATHROOM SCALES
Larry Lowy, Rockaway Park, N. Y.
Application May 10, 1943, Serial No. 486,405
11 Claims. (Cl. 265—68)



1. In combination with a household scale having a housing and weight platform and weight indicator near the floor, a depressible member on said platform, a rack for controlling said weight indicator, a friction lever for gripping and locking said rack, an arm on said friction lever, a cam cooperative with said arm for moving said friction lever, a transmission from said depressible member to said cam, a latch for holding said depressible member in a depressed position, and means for releasing said latch.

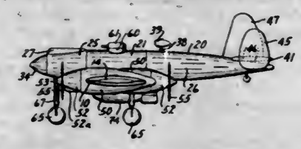
2,354,391
MACHINE CONTROL
Arthur R. McCourt, Butte, Mont.
Application July 3, 1942, Serial No. 449,633
3 Claims. (Cl. 172—239)



3. A device of the character described comprising a base, a turntable mounted on the base,

time controlled means for turning said turntable, an electric motor mounted on said base, said motor having a shaft and coupling means thereon for connection to drive control apparatus, a normally horizontal assembly hinged at one end to said base and having its free end portion overhanging the turntable when in horizontal position, said assembly being adapted to be swung upwardly away from said turntable, a chart on said turntable having a conductive line, said chart being adapted to be placed and removed while said assembly is in an elevated position, a longitudinal feed screw on said assembly, an operating connection between the shaft of the motor and said feed screw, a carrier slidably mounted on said assembly for movement along the carrier and across the chart in either direction, said carrier being threaded on said screw, a pair of laterally spaced contactors depending from said carrier for engagement with the chart and for electrical contact with the conductive line thereon, and electrical means affected by the contact of at least one of said contactors with an edge of said conductive line on the chart whereby said motor means is automatically operated in forward and reverse directions to maintain or return the contactors into contact with said conductive line on the chart during the revolution of the turntable.

2,354,392
INTEGRATED MODEL AIRPLANE
Howard M. McCoy, Patterson Field, Ohio
Application September 30, 1942, Serial No. 460,236
5 Claims. (Cl. 46—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



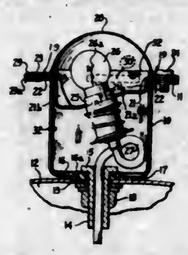
1. A combination set of integrated model airplane parts comprising an elongated body part, a part representing an engine adapted to be assembled with said body part to simulate either a pusher or a tractor type plane, a symmetrical wing section separate from said body section and adapted to be received thereon in either of two positions relatively inverted with respect to each other, means for detachably securing said engine part either in front of or at the rear of said body part, and means for securing said wing section upon said assembled engine and body parts in both of the assemblies thereof.

2,354,393
PROCESS FOR EXTRACTING PROLAMINES
Ralph H. Manley and Cyril D. Evans, Peoria, Ill., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application February 4, 1942, Serial No. 429,577
4 Claims. (Cl. 260—123)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. The process of extracting prolamines in a form that will resist gelation on prolonged standing comprising mixing together grain gluten, a prolamine dispersing agent, and an aldehyde, agitating and heating the mixture at a tempera-

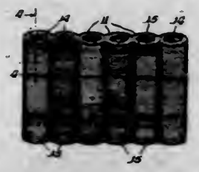
ture of about 120° C. for about 15 to 30 minutes, whereby the reaction between the prolamine and the aldehyde is stabilized before the protein has time to gel, thence filtering the reaction mixture and recovering the prolamine containing filtrate.

2,354,394
BLACK-OUT LAMP
Charles E. Mappes and William C. Wootton, Cincinnati, Ohio
Application July 17, 1942, Serial No. 451,256
4 Claims. (Cl. 240—8.22)



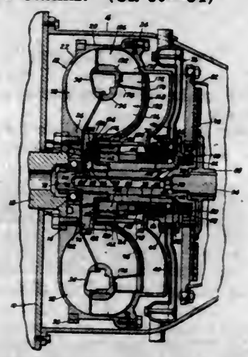
1. In a signalling device for a vehicle, a cup-like opaque enclosure adapted to be mounted by its base on a fender of the vehicle, having an aperture in its base aligned with an aperture in the fender to place the interior of the enclosure in communication with the interior of the fender, an electric light source in the enclosure, an opaque cap positioned on the lip of the enclosure forming a weatherproof connection therewith, a bridge member crossing the enclosure adapted to hold the light source in a predetermined position in the enclosure, means to hold the cap and the bridge member in position on the enclosure, a plurality of elongated horizontal slots formed between the lip of the enclosure and the cap below the light source to disseminate light forwardly and rearwardly of the vehicle with small angular dispersion of light in a vertical plane, and conducting means in electric circuit with the light source entering the enclosure via the aligned apertures of the fender and the enclosure.

2,354,395
FILTER ELEMENT
Adam Edward Mason, Belleville, Mich., assignor to Ralph L. Skinner, Detroit, Mich.
Application February 12, 1943, Serial No. 475,614
2 Claims. (Cl. 210—169)



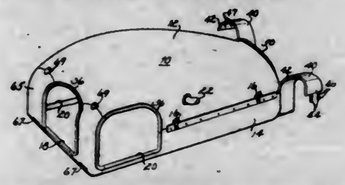
1. In an edge-filtration filter-pack composed of a series of strips impervious to the media with which they will come in contact during the filtration and each having a row of round apertures therethrough, said strips being in registered relation and with their corresponding apertures in registration forming cylindrical passages, the novel improvement being that sections of opposite faces of the pack are each substantially concentric with the inner surface of the pack defining a portion of the adjacent passage.

2,354,396
TURBOTRANSMISSION
Raymond J. Miller, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application April 28, 1941, Serial No. 390,812
3 Claims. (Cl. 60—54)



1. A fluid transmission comprising a primary means for energizing fluid and a secondary means receiving energy from the fluid providing in conjunction with one another a fluid power transmission circuit, means for delivery of fluid into the circut, a spring-pressed slide valve carried by the secondary means and activated by centrifugal force for control of the flow of fluid from the delivery means operative at idling speed of the primary means to redirect the flow of fluid, and means for impeding the redirected flow so as to resist movement of the secondary means.

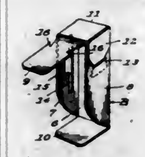
2,354,397
JACKET TYPE RESPIRATOR
Sidney E. Miller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 26, 1941, Serial No. 424,425
2 Claims. (Cl. 128—30)



1. A lightweight breathing machine comprising in combination, a backplate, a breastplate cooperating with said backplate to form a chest enclosing jacket, shoulder pieces connecting said backplate and said breastplate, said jacket having arm and neck openings, gasket means for preventing the ingress and egress of air at said openings, and means whereby at least one of said shoulder pieces may be moved relative to the remainder of said jacket.

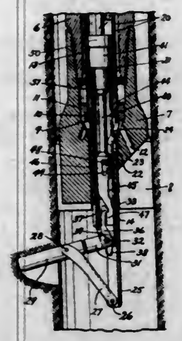
2,354,398
ATTACHMENT FOR CIGARETTE PACKAGES
Ralph Kenneth Newton and Irwin Carl Prafke, Madison, Wis.
Application December 20, 1941, Serial No. 423,828
8 Claims. (Cl. 206—48)

1. An attachment for a conventional package of cigarettes having end folds including an elongated portion engageable with an edge portion of the package, side flanges adapted to extend parallel with opposite face portions of the package, and parallel members extending from opposite ends of the first-mentioned portion and adapted



for engagement with end folds of the cigarette package, one of said flanges being provided with an opening through which may be positioned a portion of a book of matches to be supported by the flange parallel with and fitting against a face of the cigarette package.

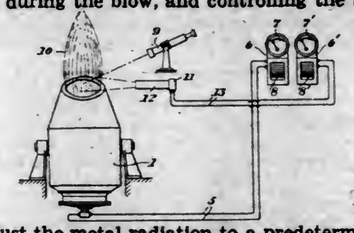
2,354,399
SIDE HOLE CORING DEVICE
Wiley B. Noble, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application May 4, 1942, Serial No. 441,634
14 Claims. (Cl. 255—1.4)



1. In a side hole coring device, a carrier comprising a cylinder and a guide extending from the lower end of the cylinder, a core barrel in said guide, a driver in said guide adapted to act upon the upper end of said core barrel to move it downwardly, and a link pivotally connecting the lower portion of said guide with a part of said core barrel below its upper end, whereby upon downward movement of said driver said core barrel will be moved downwardly and the lower end thereof will be swung outwardly to take a side hole core.

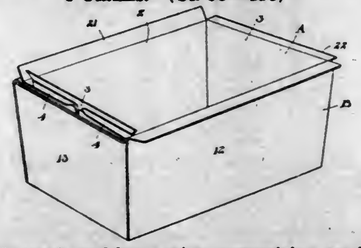
2,354,400
BESSEMER CONVERTER BLOW CONTROL METHOD
James Ward Percy, Jersey City, N. J., assignor to United States Steel Corporation of Delaware, a corporation of Delaware
Application June 22, 1942, Serial No. 448,015
9 Claims. (Cl. 75—60)

6. A Bessemer converter blow controlling method comprising measuring the radiation solely from the converter flame during the blow, measuring the radiation from the metal in the converter during the blow, and controlling the blow



to adjust the metal radiation to a predetermined measurement when the flame radiation acquires a predetermined measurement.

2,354,401
MEAT-COOKING CARTON
Christopher A. Pemberton, Toronto, Ontario, Canada
Application July 8, 1943, Serial No. 493,951
3 Claims. (Cl. 99—438)



1. A meat-cooking carton comprising an inner carton of hard calendered card having the bottom, side and end walls presenting smooth unobstructed inner surfaces and an outer carton having a bottom and end walls integral therewith said end walls having integral infolding tabs, side walls integral with the bottom having infolding portions overlapping the infolded end tabs, said infolded side portions having infolded end tabs having the end surfaces adapted to abut and interlock when folded against the end members.

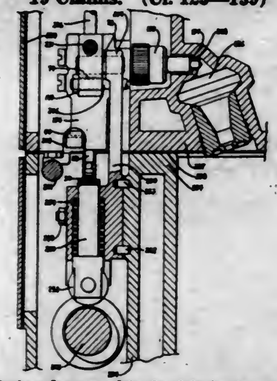
2,354,402
COMBINED PENCIL AND FIRST-AID KIT
Max J. Petruccione and Alfred L. Petruccione, New York, N. Y.
Application April 23, 1941, Serial No. 390,016
1 Claim. (Cl. 206—38)



A container comprising a barrel formed of a plurality of detachable hollow cylindrical sec-

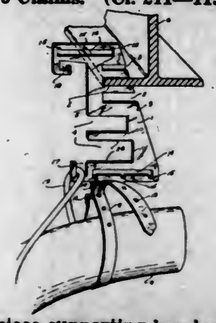
tions, said sections including an end section having an externally threaded neck at its outer end, a cap threaded on said neck, and a clip having a ring at one end threaded on said neck under the cap.

2,354,403
FUEL INJECTION SYSTEM
Ferdinando Carlo Reggio, Detroit, Mich., assignor to Caterpillar Tractor Company, Peoria, Ill.
Application July 20, 1940, Serial No. 346,479
19 Claims. (Cl. 123—139)



1. An interchangeable fuel injector unit for internal combustion engine including a delivery nozzle body and a plunger pump mounted in said unit tranversely with respect to one another; means independent of said nozzle body for guiding and centering said injector unit on said engine; and fuel control means in said injector unit including cooperating rack and gear for controlling the angular adjustment of the plunger of said pump, said rack having its axis in a plane normal to the axis of said plunger and to the axis of said nozzle body.

2,354,404
HOLDING BRACKET
Louis F. Sayles, Portland, Oreg., assignor of one-half to Louise P. Sayles, Portland, Oreg.
Application February 23, 1943, Serial No. 476,840
5 Claims. (Cl. 211—113)



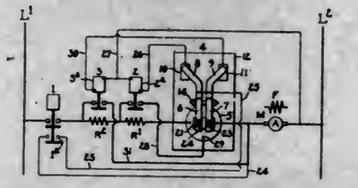
3. A one piece supporting bracket, including a plate having its opposing side edges formed with fixture-engaging channels, each channel opening through the edge of the plate from which it extends and terminating short of the opposite edge of the plate, one edge of the plate at least throughout its channeled area being inclined longitudinally of the plate to vary the lengths of the respective channels opening through such inclined edge.

2,354,405
LIGHT TRAP FOR REMOVABLE REFLECTOR FILTERS FOR ONE-SHOT MULTICOLOR PLATE CAMERAS
Adolph Schusterman, New York, N. Y.
Application October 10, 1941, Serial No. 414,390
3 Claims. (Cl. 95—2)



1. A light trap for a reflector filter multi-color plate camera having a box shaped housing formed with a side opening in one of its walls exposing the removable reflector filter of the camera to be removed through said opening and a pivotally mounted door for closing said side opening, said side wall having inwardly projecting shoulders surrounding said opening and engageable by the edge portions of the inner face of said door in the closed position thereof, and felt strips mounted on the inner face of said door and engaging the inner edges of said shoulders for light-proofing the contacting portions of said side wall and door, said felt strips being mounted on angle members, means slidably supporting said angle members on said door, and manually controllable means for urging said angle members outwards to engage said felt strips more rigidly against said shoulders.

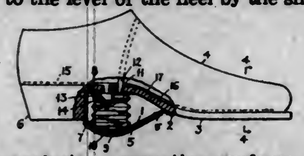
2,354,406
CONTROLLER FOR ELECTRIC MOTORS
Edwin W. Seeger, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 13, 1942, Serial No. 450,734
5 Claims. (Cl. 172—288)



5. The combination with an electric motor, of electroresponsive accelerating switches therefor each dependent for energization upon completion of an individual circuit across the terminals of the motor armature and a relay having for control of said switches individually sets of normally engaged contacts under control of a common electromagnet for disengagement substantially simultaneously and for re-engagement sequentially as the magnetic pull of said electromagnet decreases, said electromagnet being subjected to at least part of the current flow to the motor armature and being also subjected, prior to response of certain of said accelerating switches, to a change in calibration as a function of response of another accelerating switch.

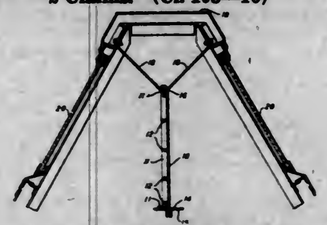
2,354,407
VENTILATED SHOE
William P. Shaks, New York, N. Y.
Application July 13, 1943, Serial No. 494,467
4 Claims. (Cl. 36—3)

1. A self-ventilating shoe comprising an air pump; means to support the air pump on the outside of the shoe sole at the shank portion in front of the shoe heel; flexible enclosure for the pump extending below the heel, the pump being adapted to be operated when the cover is depressed to the level of the heel by the shoe being



pressed against a supporting surface; a spring adapted to move the pump outward; means to admit air into the pump; and means to discharge the air from the pump into the inner portions of the shoe.

2,354,408
GLARE ELIMINATING DEVICE
Sloan S. Sherrill, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 10, 1942, Serial No. 438,449
2 Claims. (Cl. 108—16)



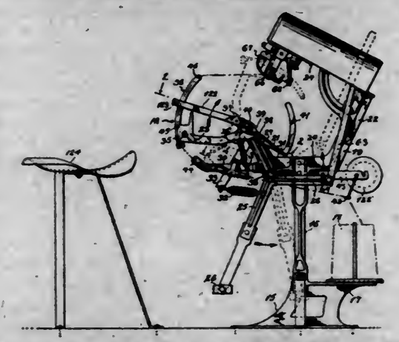
1. A glare shield for skylights in A-shaped roofs, which comprises a plurality of flat, sheet metal panels having inwardly bent portions along their peripheries, means for securing the panels to one another at their inwardly bent portions so as to form an elongated shield, a bar extending the entire length of the shield and affixed to the top of each of the panels, a plurality of V-shaped support bars secured to a portion of a roof and to the top of the shield, a plurality of tabs formed on the bottom of each of the panels and secured to a horizontal member of the superstructure of the building in which the shield is located so that the shield is supported by said member, said bar and said member forming a frame for the shield and supporting said shield in a position bisecting the angle formed by a series of opposed skylights formed in the roof to eliminate glare in an area below the skylights.

2,354,409
LAMINATED SOLDER-FILLED SHEET METAL
Edward Strasser, Rockville Centre, N. Y., assignor to I. Stern & Co., Inc., New York, N. Y., a corporation of New York
Application June 7, 1939, Serial No. 277,839
1 Claim. (Cl. 29—181)



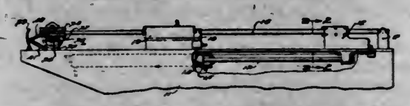
Sheet metal material sufficiently thin for commercial use in the manufacture of jewelry and the like, consisting of spaced sheets of metal, and a layer of solder filler encased between said spaced sheets of metal, a portion of which solder filler bonds by absorption with and into the spaced sheets of metal, and the remainder of which solder filler is free and is adapted as a solder supply for subsequently bonding said sheet metal material along its linearly-extending edges to another metallic member by the application of heat sufficient to fuse said free solder filler and cause a portion thereof to exude from the edges of the spaced sheets and to flow by capillary attraction into that area concealed between said edges and said other metallic member, whereby a concealed solder-bonded joint is effected automatically merely by said heat application.

2,354,410
VEGETABLE BUNCH TYING MACHINE
Alfred G. Suelflow, Milwaukee, Wis.
Application June 21, 1943, Serial No. 491,586
8 Claims. (Cl. 100—31)



1. In a machine for tying bunches of vegetables and the like, a support, a head carried by the support including a longitudinally extending, rotatable operating shaft, a knotter, a string stripper and cutter, and a string holder all operatively connected to the forward end of said operating shaft, a needle bar rockably mounted upon the support, a string carrying needle secured to the needle bar movable under the head and the knotter, string stripper and cutter, and string holder carried thereby upon movement of the needle bar, an operating lever rockably mounted upon the support, means for operating the needle bar from the lever and means for operating the shaft from said lever, said last named means including a rack bar pivotally carried by the lever and a pinion operatively connected to said shaft engaged by said rack bar.

2,354,411
APPARATUS FOR MACHINING SPIRAL GROOVES
Richard A. Thompson, Detroit, Mich., assignor to Colonial Broach Company, Detroit, Mich., a corporation of Delaware
Application December 30, 1937, Serial No. 182,549
9 Claims. (Cl. 90—28.1)



1. A machine for cutting helical grooves in a tubular element, including, in combination, a

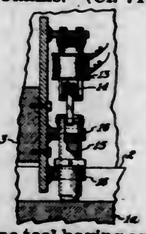
push rod, a support for a broach aligned therewith, a broach having an abutting engagement only with said push rod, a projecting finger on the one end of the broach which prevents its wrong disposition on the work support, and means for supporting a work piece aligned with said broach.

2,354,412
STRAINER
Horace J. Walker, Glendale, and Robert E. Settlage, Los Angeles, Calif., assignors to Thos. D. McHale Mfg. Co., Los Angeles, Calif., a corporation of California
Application June 18, 1941, Serial No. 398,586
5 Claims. (Cl. 210—158)



1. In a strainer for milk or other liquids, the combination of a trough having a perforated bottom, inclined side walls and end walls, filtering material laid over the bottom, side walls and end walls, a distributor member having perforated inclined sides and a perforated bottom section, means carried by the distributor member forming longitudinally extending dam feet along the side walls adapted to compress the filtering material on a line near and below the upper edge of the side walls of the trough and adapted to support the distributor side walls and bottom in spaced relation from the surface of the filtering material.

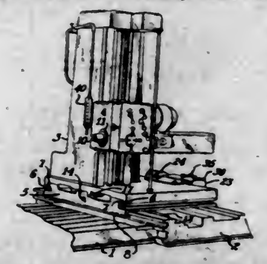
2,354,413
MICROFEED FOR HEAVY MACHINE TOOLS
John M. Walter, Cincinnati, Ohio, assignor to The G. A. Gray Company, Cincinnati, Ohio, a corporation of Ohio
Application April 21, 1942, Serial No. 439,866
4 Claims. (Cl. 74—1)



1. In a machine tool having an adjustable heavy moving part, and a housing having ways on which the part moves, a rack and gear drive for moving the part on the ways, a solenoid and a hammer operated thereby mounted on the housing and arranged so that the hammer strikes the body of the ways, a motor for driving the gear, said solenoid being in circuit with the motor so as to raise the hammer when the motor is energized and drop it when the motor is deenergized.

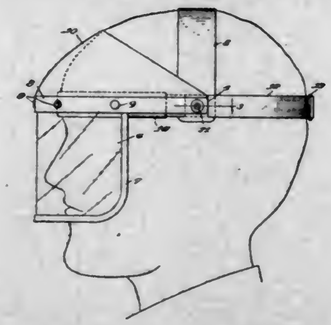
2,354,414
HORIZONTAL MILLING, DRILLING, AND BORING MACHINE OF THE FLOOR TYPE
John M. Walter, Cincinnati, Ohio, assignor to The G. A. Gray Company, Cincinnati, Ohio, a corporation of Ohio
Application May 11, 1942, Serial No. 442,468
5 Claims. (Cl. 29—26)

1. A horizontal milling, drilling and boring machine of the floor type comprising a vertical housing, a head movable vertically on the said housing, a tool spindle within said head, power means on said head for driving the spindle, the housing having a base unitary therewith, a sub-base beneath the first base, ways on the sub-base for guiding the housing base on the sub-



base for movement transversely, and ways on the floor supporting the sub-base for guiding the sub-base for movement in a longitudinal direction, a drive for the housing base on the sub-base, and a drive for the sub-base on the floor ways, and power means for selectively energizing the said drives carried on one of the bases.

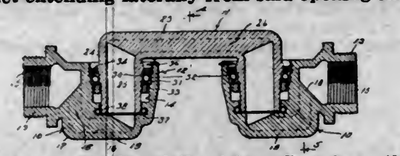
2,354,415
ADJUSTABLE EYESHIELD
Raymond G. Woodard, East Orange, N. J., assignor to Standard Safety Equipment Co., a corporation of Illinois
Application April 30, 1941, Serial No. 391,195
1 Claim. (Cl. 2—8)



An adjustable eye-shield harness, comprising: an arcuate transverse head-band of stiff material adapted to rest on the top of the head of a man and extend towards his ears, each end of said head-band being slotted to receive a brow-band; an eye-shield of stiff material pivotally mounted on the end portions of said head-band; and a brow-band adapted to encircle the man's head and threaded through the slots in the head-band so that the eye-shield and head-band may be moved forwardly or rearwardly on the brow-band as a unit.

2,354,416
SWING JOINT
Dwight M. Phillips, Fullerton, Calif., assignor to Chiksan Tool Company, Brea, Calif., a corporation of California
Application May 4, 1943, Serial No. 485,611
12 Claims. (Cl. 285—9)

1. In a swing joint, a section having an axial opening entering it from one end and extending longitudinally of the joint, a socket entering its opposite end portion and extending laterally with respect to the longitudinal axis of the joint, and a duct extending laterally from said opening and

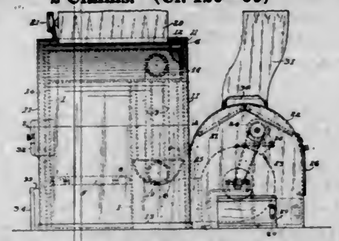


then longitudinally of the joint offset from the opening to join the inner end of said socket, and a second tubular section having a stem swingable in said socket and communicating with said duct.

2,354,417
ACIDULATED GRASS OR LEGUMINOUS FODDER WITH NONTOXIC CORROSION INHIBITOR
Edwin Cox, Richmond, Va., assignor to Virginia-Carolina Chemical Corporation, Richmond, Va., a corporation of Virginia
No Drawing. Original application April 1, 1940, Serial No. 327,363. Divided and this application May 4, 1943, Serial No. 485,679
10 Claims. (Cl. 99—8)

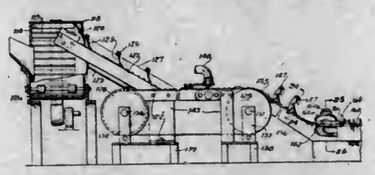
1. Acidulated ensilage comprising ensilage of the grass or leguminous type containing for each ton of ensilage approximately 9 to 23 lbs. of a composition of phosphoric acid and an aliphatic amine in which the aliphatic group contains from four to six carbon atoms.

2,354,418
HOT-AIR FURNACE
Joseph H. Honert, Otto A. Reinhardt, and Walter J. Reinhardt, Chicago, Ill.; said Otto A. Reinhardt and said Walter J. Reinhardt assignors to said Honert
Application June 3, 1940, Serial No. 338,546
2 Claims. (Cl. 126—99)



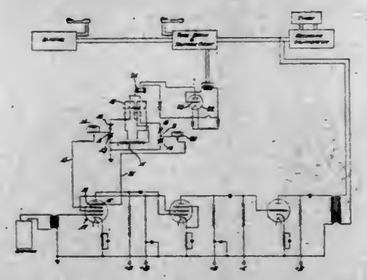
1. In a hot air furnace, a cylindrical body portion, an integral combustion dome semi-circular in cross section disposed upon and extending across the upper end of said body, the diameter of said dome at its junction with said body being greater than the diameter of said body the upper end of which is received wholly in the face of said dome, a radiator integral with said combustion dome communicating therewith in juxtaposed relation to said body, an integral header communicating with said radiator and disposed at right angles thereto, a shell encompassing said members in spaced relation thereto, said shell comprising two walls spaced apart, an air conduit entering said shell immediately adjacent said combustion dome, and an air return conduit communicating with said shell immediately adjacent said header, said members forming a one-piece construction, the openings between the several members being non-obstructed.

2,354,419
APPARATUS FOR SORTING RIVETS
Granville E. Lingerfelt and Evelyn B. Trout, Los Angeles, Calif.; said Trout assignor to said Lingerfelt
Application March 10, 1941, Serial No. 382,484
6 Claims. (Cl. 209—75)



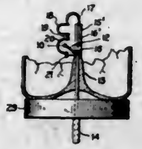
1. In an apparatus for sorting and classifying rivets and the like, the combination with a table, an endless carrier operating along one side of said table and adapted to receive and carry rivets, an air manifold arranged adjacent the discharge end of said carrier and said manifold being provided in its side wall adjacent the over running portion of said belt with a row of jet openings for directing jets of air against the stems of the rivets carried by said carrier to expel said rivets from said carrier and the individual openings forming said row being located at different distances from the rivet carrier, of rotary means for engaging at least, the heads of some of the rivets and removing the rivets having such heads from the endless carrier.

2,354,420
CONTRACTOR-EXPANDER FOR ELECTRIC SEISMOGRAPHS
John P. Minton, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1937, Serial No. 180,113
9 Claims. (Cl. 177—352)



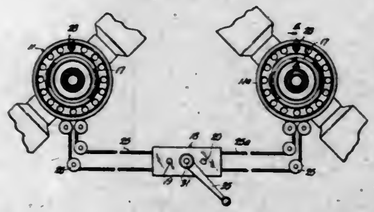
1. In an electric seismograph having a vacuum tube amplifier having at least two gain-control grids, a geophone connected to the input of said amplifier, a recording galvanometer connected to the output of said amplifier, means operable upon production of seismic waves for generating a signal, and means actuated by the signal for gradually and concurrently varying the grid potential in opposite directions on at least two grids in at least one of the tubes in the vacuum tube amplifier to effect a corresponding contraction and thereafter an expansion in amplification by the amplifier at such a rate that all phases of the record made by said recording galvanometer are of usable amplitude.

2,354,421
LUMINOUS DISCHARGE TUBE
Miles Pennybacker, West Orange, and Albert R. Hussey, Lyndhurst, N. J.; said Hussey assignor to said Pennybacker
Application October 28, 1942, Serial No. 463,590
1 Claim. (Cl. 315—73)



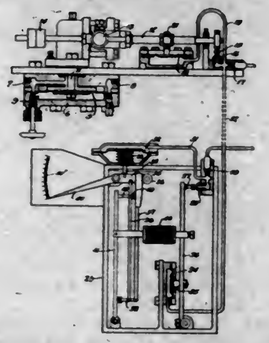
A hot electrode gas discharge lamp capable of rapid restarting if extinguished while hot, including in combination a starting device comprising a thermostat responsive to the temperature of said electrode, a switch operated by said thermostat for interrupting the pre-heating electric current when said electrode reaches a predetermined temperature, and means for shielding one contact of said switch from said electrode, whereby deleterious discharge to said switch contact is avoided, and including means for establishing a main gas discharge to said electrode upon the interruption of said pre-heating electric current by said switch, also including a second thermostat acting oppositely to the first thermostat and relatively remote from said electrode, so as to be less responsive to the temperature of said electrode, said switch having its operation determined by the joint effect of both thermostats, whereby rapid restarting of the gas discharge device is facilitated, and whereby said electrode constitutes the only heating element needed to operate said switch.

2,354,422
PITCH ADJUSTING MECHANISM FOR VARIABLE PITCH PROPELLERS
Horace H. Roby, Wichita, Kans., assignor to Roby Inc., Wichita, Kans., a corporation of Kansas
Application April 30, 1942, Serial No. 441,114
7 Claims. (Cl. 170—135.6)



6. In combination with a plurality of propellers of the type having rotatable elements for adjusting the pitch of their blades, a control device for simultaneously or independently adjusting the pitch of the propellers comprising a frame, a plurality of drums rotatably mounted in the frame, means cooperating with the drums and rotatable elements to cause the drums to transmit motion to the rotatable elements, a gear on each of said drums, a rotatable shaft adjustably mounted in said frame and gear means on the shaft engageable with all of the gears in one adjusted position of the shaft and independently engageable with each of said gears in other adjusted positions of the shaft.

2,354,423
PRESSURE RESPONSIVE MEASURING INSTRUMENT
Albert J. Rosenberger, Wilmette, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application September 8, 1941, Serial No. 409,995
9 Claims. (Cl. 73—110)



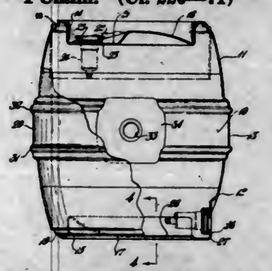
2. A measuring instrument comprising balance means, means responsive to a differential pressure across a restriction in a conduit containing flowing fluid to urge the balance means in one direction, a fluid pressure control device controlled by said balance means to produce a regulated fluid pressure, means responsive to said regulated pressure to urge the balance means in the opposite direction, a receiving device including a pressure responsive element connected to said control device to be responsive to said regulated fluid pressure, a control device controlled by said element to produce a second regulated fluid pressure, a device movable in response to said second fluid pressure, a movable member cooperating with the last named control device to control said second fluid pressure square root mechanism moved by said last named device, and a spring connecting said square root mechanism to said movable member.

2,354,424
METHOD OF MANUFACTURING TIRES
Charles K. Novotny and John T. Cox, Jr., Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 5, 1940, Serial No. 338,942
3 Claims. (Cl. 154—14)



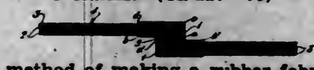
1. A method of manufacturing a rubber pneumatic tire directly from latex, which includes the steps of coating tire fabric with a viscous latex composition and gelling the latex to form a coating of latex rubber on the fabric, drying and assembling the coated fabric with beads and other parts necessary to form a tire body, mixing compounding ingredients with latex to produce a compounded latex, gelling the compounded latex in the form of a tire tread, drying the wet tread to produce an unmasticated rubber tread, assembling the tire body and tire tread in the form of a tire while the freshly dried components are still in an adherent condition, and vulcanizing the tire.

2,354,425
CONTAINER
Max O. Kuhn, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 4, 1940, Serial No. 359,673
1 Claim. (Cl. 220—71)



In a single wall metallic container, a centrally disposed generally cylindrical wall portion having a bung aperture formed therein, a pair of closed end portions, a bung liner, a bung liner reinforcing spud, an outer plate cut from said central portion and consisting of a segment of said wall portion about and including the bung aperture of said barrel, said outer plate having an inner reinforcing plate welded in fluid tight relation to its undersurface with the edges of said plates in alignment, said inner plate being composed of substantially thinner metal than that of the outer plate, said inner plate having a bung aperture therein, said inner plate having its central portion spaced radially apart from said outer plate, said bung liner with its reinforcing spud traversing the space between said apertures and joining said plates in fluid tight relation, said bung liner, spud and plates comprising a bung unit, said bung unit having the edge portion of said inner plate in abutting relation with the edges of the opening left by the removal of said outer plate and being welded in fluid tight relation thereto with the inner surface of said inner plate flush with the inner surface of said cylindrical wall portion.

2,354,426
METHOD OF MAKING COMPOSITE ARTICLES
Raymond C. Briant, Pittsburgh, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 17, 1940, Serial No. 361,594
3 Claims. (Cl. 117—76)

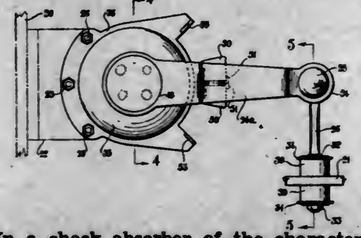


3. A method of making a rubber-fabric composite article having improved adhesion between the rubber and fabric thereof, which includes the steps of impregnating cellulosic fabric with a mixture of an aqueous dispersion of a rubber and a water soluble resin having a viscosity of at least 2.5 poises and formed by the alkaline condensation of a water soluble aldehyde and a monohydric phenol selected from the group consisting of phenol, meta cresol and symmetrical xylenol, the ratio of the resin as measured by the monohydric phenol content thereof to the rubber in said mixture being between 1:6 and 1:12, drying the impregnated fabric, heating the dried fabric for at least one hour at a temperature above 100° C., the heating treatment being equivalent to a heating treatment at 130° C. of from one to three hours, and thereafter heating the fabric in contact with a vulcanizable composition of said rubber to produce a composite article of cellulosic fabric and a vulcanized rubber.

2,354,427
METHOD OF TREATING MERCAPTOTHIAZOLES WITH AMMONIA DERIVATIVES AND PRODUCT PRODUCED THEREBY
Edward L. Carr, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application December 13, 1940, Serial No. 369,988
8 Claims. (Cl. 260—306.6)

1. The process which comprises oxidizing with a substance selected from the group consisting of hypohalous acids and alkali metal and alkaline earth metal salts thereof a mixture of one equivalent of 2-mercaptobenzothiazole and at least 2 equivalents of ethylene diamine, in an aqueous medium comprising at least one equivalent of an alkali, the temperature of said aqueous medium being maintained below 30° C.

2,354,428
SHOCK ABSORBER
Curt Saurer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 28, 1940, Serial No. 372,049
3 Claims. (Cl. 188—130)

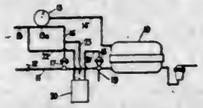


1. In a shock absorber of the character described, the combination of a pair of spaced-apart, co-axial plates permanently secured to each other at a circumferential margin thereof to produce a unitary structure, a disc-like structure having a portion disposed between said plates co-axially thereof, means for effecting relative oscillatory movement of said plates and the intermediate disc-like structure, a body of normally compressed resilient rubber composition vulcanized to one of said relatively movable structures, and a facing of permanently lubricated friction material bonded to said rubber body and urged thereby into frictional engagement with the confronting face of the other relatively movable structure.

2,354,429
CONTROL APPARATUS
Ralph C. Davis, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 3, 1941, Serial No. 386,692
1 Claim. (Cl. 236—1)

In a device of the character described the combination of a vulcanizing mold, a single steam

supply line for delivery of steam to the mold for heating same, a pressure control valve in said steam supply line, a three way valve in said steam supply line between said control valve and said mold, said pressure control valve and three way valve being pneumatically operated valves, an air line of constant air pressure, an air pressure control valve in said air line, said air pressure control valve being connected to the steam cavity of said mold and being operated by the steam pressure that exists in said cavity, a pneumatically operated controller unit connected with said



three way valve, an air line of variable pressure as a continuation of said air line of constant air pressure beyond said steam pressure operated air pressure control valve, a branch of said variable air pressure line connected to said controller unit, a branch of said constant pressure air line by-passing said steam operated valve being also connected to said unit, another branch of said variable air pressure line joined to said pressure control valve in said steam supply line, whereby the temperature of said vulcanizing mold is controlled.

2,354,430

METHOD OF STRENGTHENING POROUS RUBBER ARTICLES AND ARTICLE PRODUCED

Harold W. Greenup, Barrington, and Leonard A. Wohler, Bristol Ferry, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application April 3, 1941, Serial No. 386,6[illegible]

2 Claims. (Cl. 117—139)



2. A method of treating porous cellular rubber articles, comprising immersing the article in a fluid latex composition to impregnate the surface portions of the article without appreciably impregnating the interior portions thereof, removing the article from said composition, drying the article to deposit solid latex rubber from said composition in and on the cell walls of the article at and adjacent the surface thereof without depositing an appreciable amount of solid latex rubber in the interior portions of the article, and without closing the pores in the surface portion, whereby to strengthen said surface portions and to render said surface paint-receptive but substantially non-absorptive of paint, while leaving the interior portions in a light-weight, porous, unimpregnated condition, and painting the article upon a portion of its porous latex-treated surface.

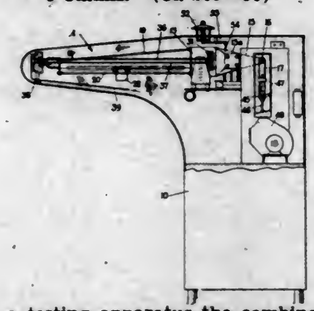
2,354,431

AUTOMATIC CONTROL DEVICE

George P. Bosomworth, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application May 6, 1941, Serial No. 392,065

9 Claims. (Cl. 265—56)



1. In a testing apparatus the combination of a frame, a balance beam fulcrumed thereon, means for connecting an elastic work piece to one end of said beam, a counterpoise movable along the opposite end portion of the beam, mechanical means for propelling said counterpoise, and a reversible rotary air motor for operating said mechanical propelling means, the rotor only of said air motor being carried by said beam, the remainder thereof being carried by said frame.

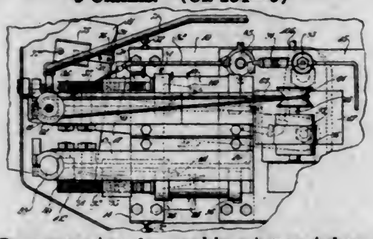
2,354,432

APPARATUS FOR MAKING INNER TUBES

Horace D. Stevens, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Original application November 28, 1939, Serial No. 306,514. Divided and this application July 26, 1941, Serial No. 404,191

5 Claims. (Cl. 154—9)



1. In apparatus for making inner tubes, the combination of a tube aperturing mechanism and a valve-stem applying mechanism spaced therefrom, a support for the work alternatively positionable below the aperturing mechanism and the valve stem applying mechanism, means for applying suction to the aperturing mechanism when the work support is beneath the same, and means for applying superatmospheric pressure to the aperturing mechanism when the work support it beneath the valve stem applying mechanism.

2,354,433

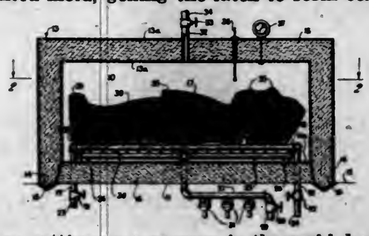
METHOD OF FORMING RUBBER ARTICLES

Mitchell Carter, Yardley, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application August 2, 1941, Serial No. 405,209

6 Claims. (Cl. 18—53)

1. That method of forming cellular rubber articles having high tensile strength comprising frothing latex, the latex having vulcanizing and gelling agents therein, placing the latex froth in a vented mold, gelling the latex to form cellular



rubber, setting up a vacuum in the mold, heating the mold to about 180° to drive out the water contained in the gelled rubber, and heating the gelled rubber to about 212° F. to vulcanize same.

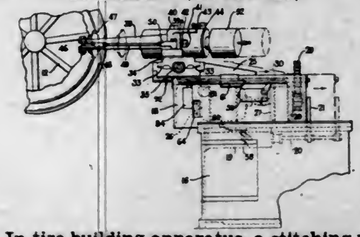
2,354,434

TIRE BUILDING APPARATUS

Horace D. Stevens, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application August 6, 1941, Serial No. 405,665

12 Claims. (Cl. 154—10)



2. In tire building apparatus, a stitching mechanism comprising a pair of stitching tools adapted to operate upon a tire structure on a rotatable annular form, fluid pressure operated means for moving said tools radially of the form to and from determinate positions at the sides of the form, fluid pressure operated means for urging said tools laterally against the work on the sides of the form, and electrically driven means for moving said tools radially of the form after being engaged with the work thereon.

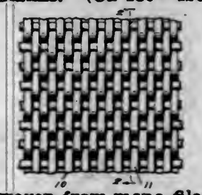
2,354,435

PLASTIC FABRIC

Theodore W. Stedman, New York, N. Y., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application August 20, 1941, Serial No. 407,632

3 Claims. (Cl. 139—420)



1. A fabric woven from mono-filament strands or strips, each of said strands or strips having one concave surface and one convex surface transversely thereof, said strands or strips consisting essentially of a vinylidene chloride copolymer and a plasticizer.

2,354,436

SEAT CUSHION CONSTRUCTION

Theodore W. Stedman, New York, N. Y., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application August 20, 1941, Serial No. 407,633

7 Claims. (Cl. 155—179)



6. In combination a readily deformable resilient cushion body and a readily deformable resilient plastic fabric covering disposed on the operative face of said cushion body, said fabric being woven of mono-filament yarns, strands or strips comprising essentially one of the group of polymers and conjoint polymers consisting of a polymer of vinylidene chloride and a co-polymer of vinylidene chloride and another polymerizable vinyl compound.

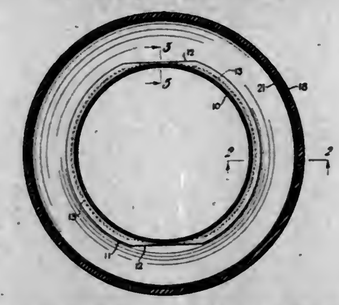
2,354,437

BEAD LOCK

James E. Hale, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application September 11, 1941, Serial No. 410,458

3 Claims. (Cl. 152—400)



3. A bead lock for insertion between the beads of a pneumatic tire in tire and rim assemblies, said bead lock comprising an endless member which is channel shape in section with the arms of the channel extending outwardly from the member, said member having chordal segments of the channel arms removed from diametrically opposite regions of its periphery so as locally to reduce the outside diameter of the member to facilitate inserting it between the beads of a tire, said member being adapted to force the outer vertical faces of tire beads into contact with the flanges of a rim on which the member and a tire are mounted substantially throughout their entire extent.

2,354,438

MOUNTING FOR FUEL TANKS

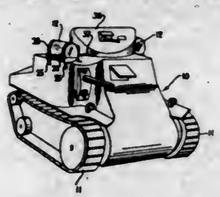
Henry W. Craig, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application November 27, 1941, Serial No. 420,699

4 Claims. (Cl. 280—5)

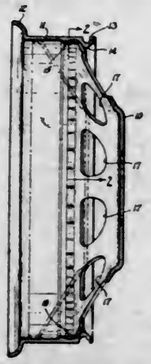
1. A fuel tank mounting of the character described comprising a downwardly sloped ramp upon which a fuel tank is positionable, a flexible girth extending partly about the tank and having its ends anchored to the ramp at opposite

ends of the latter, means at one end of the girth for tightening it about the tank, quickly releasable means at the other end of the girth for dis-



engaging its connection with the ramp, and means extending to a point relatively remote from the tank for operating said quickly releasable means.

2,354,439
METHOD OF MAKING DISK WHEELS
Winfield S. Brink, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application February 28, 1939, Serial No. 258,911. Divided and this application December 29, 1941, Serial No. 424,694
1 Claim. (Cl. 29—159.01)



The method of making disk wheels which comprises providing a wheel disk having a corrugated laterally projecting peripheral flange, forcing said wheel disk into telescoping relation with a circumscribing rim member of slightly smaller size so that the disk flange engages the inner surface of the tire rim, and then deforming said flange by forcing it radially outwardly to flatten the corrugations thereof and bring the flange flush into engagement with the inner surface of the tire rim.

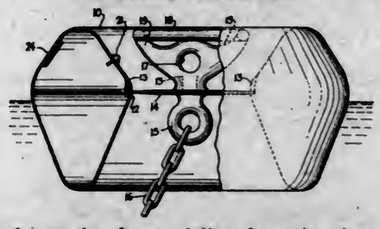
2,354,440
WINDSHIELD WIPER
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application March 16, 1942, Serial No. 434,967
12 Claims. (Cl. 15—250.4)

1. In a windshield wiper of the character described, the combination of a frame and means for oscillating the same, a pair of wiping elements carried by said frame and extending longitudinally thereof, said frame and wiping elements defining a passage for liquid within the frame from end to end of the latter, and a heating element carried by the frame and disposed between the two wiper elements, a portion of said heating element being exposed within said passage to heat the liquid therein, there being narrow grooves trans-



versely of the heating element, between the latter and each wiping element, for conducting liquid from said passage.

2,354,441
MOORING BUOY
John A. Diehl, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 2, 1942, Serial No. 437,458
6 Claims. (Cl. 9—8)



1. A mooring buoy of the character described comprising a hollow buoyant body of resilient impervious material and of torus form, a metal spider positioned parallel to the plane of said body and supported upon a ledge formed on the inner circumferential wall thereof, an axial anchoring eye formed on the bottom face of said spider, and a grab ring coaxial with said spider and integrally connected thereto on the upper side thereof, said grab ring being disposed entirely below the top of the buoy body.

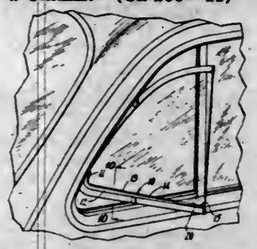
2,354,442
INNER TUBE AND METHOD OF MAKING THE SAME
Robert F. Wilson and Willard L. Klingman, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 10, 1942, Serial No. 438,504
7 Claims. (Cl. 154—14)



4. The method of making inner tubes for pneumatic tires which comprises providing an annular vulcanized rubber tube having an inflating stem, mounting an endless, transversely arcuate rubber band upon the outer surface of the tube,

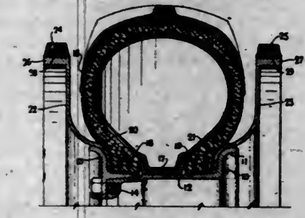
circumferentially thereof, locally bonding said band to the tube along its respective lateral margins and along its centerline, and forming a relatively small aperture in said tube between the centerline of the overlying band and each of the lateral margins thereof.

2,354,443
WINDOW SHIELD
Oliver E. Schirra, Garfield Heights, Ohio
Application May 15, 1942, Serial No. 443,148
2 Claims. (Cl. 296—44)



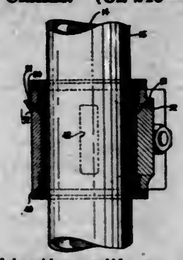
1. A window shield for a motor vehicle comprising a flexible molded rubber strip having an upwardly turned head portion and an elongated body portion, said strip having an upwardly facing longitudinal groove extending substantially the length of said strip, said groove being defined between a front and a rear side, said front side of said groove being shorter than the rear side whereby an outlet to said groove is provided, said rear side having an attaching face adapted to receive an adhesive material on said attaching face and to adhere to the outer surface of a window pane, whereby, in combination with the flexible characteristics of said strip, said shield may be bent to any desired shape and may be attached to said pane surface at any selected location thereby providing means applicable to various shaped windows whereby rain falling on said window is intercepted and discharged outside said vehicle.

2,354,444
WHEEL CONSTRUCTION
Walter E. Lyon, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 21, 1942, Serial No. 443,893
5 Claims. (Cl. 301—38)



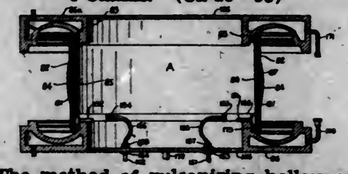
1. In combination with a wheel and tire assembly, bead locking means, a pair of annular restrictor rings supported upon the flanges of a straight side tire rim of said assembly and held in operative position thereon by pressure of the tire of said assembly against said restrictor rings, said rings extending radially and laterally outwardly diverging away from the tire side walls when the tire is inflated and then radially outwardly and in parallel relationship to the plane of the wheel and tire, the space between opposite, inner divergent and parallel sides of said rings being such as to allow lateral deflection of said tire when deflated or partly deflated such that in that condition the tire side walls will be entirely supported by said rings and the tread will be supported in a flattened position and in such manner as to support a substantial part of the load on said wheel.

2,354,445
RESILIENT BUSHING FOR OUTBOARD MOTOR MOUNTINGS
William J. Grubbs, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 10, 1942, Serial No. 457,893
3 Claims. (Cl. 248—4)



1. The combination with an outboard motor mounting of a hollow cylindrical bushing, said bushing being composed of an outer layer of oil-resisting rubber-like material, said material being of substantial thickness, and having relatively large openings formed through it at circumferentially spaced intervals, said bushing having an inner layer of fabric, said fabric being exposed to said openings in said outer layer, said fabric being saturated with a solution of oil and paraffin, and a metal split yoke in which the bushing is mounted to form a bearing for a driveshaft housing of said motor, said yoke having a laterally and upwardly extending circumferential rib which defines a groove between said yoke and said rib, said yoke having inlet holes extending through the wall of the yoke from said groove to said openings in the bushing, whereby spilled oil running downwardly over said yoke is caught in the groove and delivered through the inlet holes to the openings in the bushing, thereby providing a reserve supply of oil in contact with said inner layer of fabric through which it is gradually absorbed and delivered to the surface of said bearing.

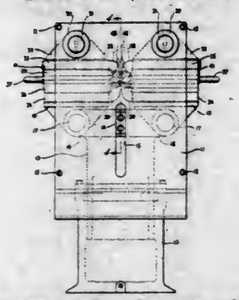
2,354,446
METHOD OF MOLDING AND VULCANIZING HOLLOW ARTICLES
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 9, 1942, Serial No. 468,336
6 Claims. (Cl. 18—53)



1. The method of vulcanizing hollow articles comprising rubber which comprises injecting

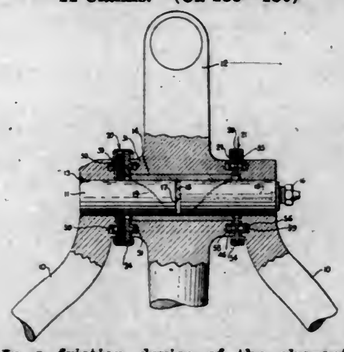
cold fluid into the interior of the article, heating the article from the exterior thereof for an interval sufficient to effect partial vulcanization of the structure, and then replacing the cold fluid with fluid at vulcanizing temperature and completing the vulcanization of the article.

2,354,447
PRESS
Raymond W. Allen, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 1, 1943, Serial No. 471,221
4 Claims. (Cl. 18—17)



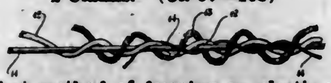
2. In a press of the character described, the combination of a pair of platens carrying respective mating mold sections defining a molding cavity, respective pivotal supports for said platens of which the upper support has a fixed situs, means for raising and lowering the lower support to move said platens toward and from each other, a lost motion hinge connecting the platens to each other at the rear margins thereof, said hinge comprising a hinge pin that moves bodily relatively of both platens during opening and/or closing of the press, a mandrel for the molding cavity in said mold sections, and an arm to which said mandrel is attached, said arm extending forwardly between said platens from an integral hub portion that is pivotally mounted on said hinge pin.

2,354,448
FRICTION DEVICE
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 12, 1943, Serial No. 472,152
11 Claims. (Cl. 188—130)



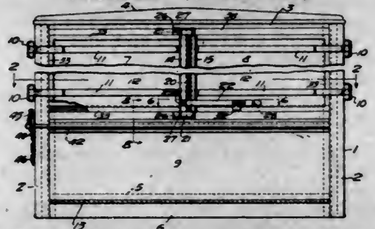
1. In a friction device of the character described, the combination of a plurality of disc-like elements including a friction element arranged co-axially in laterally abutting relation, and an elastic band under tension extending circumferentially about all of said disc-like elements.

2,354,449
METHOD OF MAKING ELASTIC NOVELTY YARN
Sterling W. Alderfer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application December 4, 1940, Serial No. 368,477. Divided and this application March 5, 1943, Serial No. 478,104
2 Claims. (Cl. 57—163)



1. That method of forming an elastic novelty yarn comprising tensioning a rubber thread, positioning a core thread parallel and adjacent the rubber thread, feeding the aligned threads to a bobbin, positively feeding a yarn to the aligned threads faster than they are fed to the bobbin, rotating the bobbin to twist the rubber thread and the core thread together and to twist the yarn loosely therearound and form a unit therefrom, pulling the unit from the bobbin to tension it, leading the tensioned unit to a second bobbin, feeding a binder thread to the tensioned unit, and rotating the second bobbin in the opposite direction to the first bobbin to wrap the binder thread around the unit and form a novelty elastic yarn.

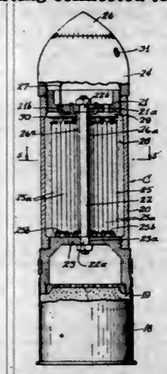
2,354,450
CLOSURE FOR VEHICLE BODIES
Robert A. Fontaine, Martinsville, Va.
Application June 13, 1940, Serial No. 340,405
14 Claims. (Cl. 296—106)



1. In a truck body, the combination of closure members for the open end thereof, said members comprising a tail gate hingedly attached to said body and a pair of doors each of which is hingedly mounted on one side of said opening, the inner edges of said doors having complementally curved interlocking faces, said faces being fixed against relative movement with reference to said doors, a rotatable member mounted in one of said doors adjacent the inner edge thereof, and means carried by said body and tail gate and cooperating with said rotatable member for locking said doors and gate in closed position.

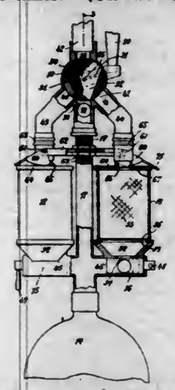
2,354,451
CARTRIDGE OR SHELL FOR CHAIN SHOT
John D. Forbes, San Francisco, Calif.
Application December 11, 1939, Serial No. 308,662
7 Claims. (Cl. 102—38)

1. A cartridge having a base for holding powder, a bullet removably carried by the base and having a cylindrical fusible wall, a chain shot disposed within the cylindrical wall and consisting of a plurality of bars linked together, one end of the chain shot being connected to the bullet, said



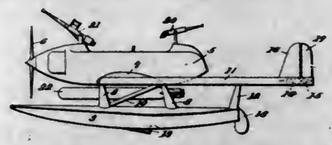
bullet being rotated as it leaves the gun, means for melting the fusible wall while the bullet is in flight for permitting the chain shot to expand, the rotation of the bullet causing the chain shot to form into a spiral.

2,354,452
ANESTHETIC APPARATUS
Richard V. Foregger, Roslyn, N. Y.
Application September 3, 1942, Serial No. 457,120
3 Claims. (Cl. 128—202)



1. In an anesthetic apparatus, a unit of the character described comprising a vertically disposed breathing tube, alined horizontal breathing tubes extending from said vertical tube to both sides thereof in communication therewith, an apertured container supporting seat on each of said horizontal tubes and communicating therewith, a valve mechanism at the top of said vertical tube, telescopic connections extending from said valve mechanism in vertical alinement with said horizontal tubes, apertured container covers suspended from the ends of said telescopic tubes, a container for absorber material placed upon each container supporting seat and cover closing means for airtightly closing said covers on said containers and connecting the latter airtightly with said horizontal tubes upon said seats, said valve mechanism controlling the passages through all of said flexible tubes and said containers.

2,354,453
FIGHTER CRAFT
Antoine Gazda, New York, N. Y.
Application November 19, 1941, Serial No. 419,795
5 Claims. (Cl. 114—66.5)



1. A fighter craft comprising a fuselage, a power plant mounted in said fuselage, a propeller driven by said power plant, an auxiliary wing secured to each side of said fuselage at approximately the center of gravity of the craft, a float attached to the outer end of each of said auxiliary wings, longitudinally extending frame members also secured to the outer ends of said wings, and lateral and horizontal control elements mounted upon said frame members.

2,354,454
DENTAL FLOSS HOLDER
Samuel H. Geffner, New York, N. Y.
Application March 21, 1944, Serial No. 527,431
4 Claims. (Cl. 132—91)

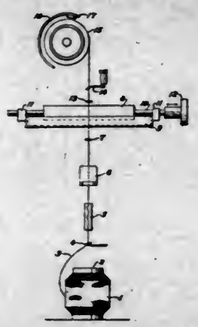


1. A dental floss holder comprising a handle, a head at the front end of said handle curved longitudinally and formed with longitudinally extending transversely spaced arms having notches at their front ends, cleats extending outward from sides of inner ends of said arms, said cleats being each grooved about its inner end and having a slot midway of its width, the head having side edges formed with inwardly tapered grooves adjacent rear ends of said cleats, and lugs extending outwardly from outer side edge faces of said arms and having sloping outer side faces and flat upper end faces whereby a strand of floss engaged through the notches at front ends of the arms and wrapped about said cleats with portions engaging in the grooves of the cleats and the head may have its portions between the cleats and front ends of the arms snapped across the lugs to stretch and tension the floss.

2,354,455
YARN WINDING APPARATUS
Ernest Knight Gladding, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Original application December 21, 1940, Serial No. 371,106, now Patent No. 2,304,564, dated December 8, 1942. Divided and this application May 28, 1942, Serial No. 444,833
6 Claims. (Cl. 242—43)

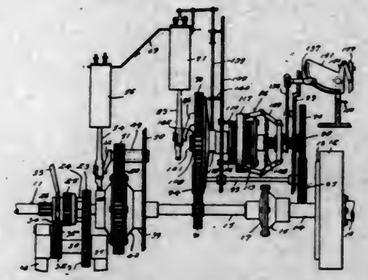
1. Yarn winding apparatus comprising a yarn receiving device such as a bobbin or the like, traversing mechanism for positively reciprocating the yarn from one end of the yarn receiving device to the other, said mechanism including a traverse element adapted to pass back and forth longitudinally of said yarn receiving device, and

a thread guide freely rotatably mounted on the traverse element, the thread guide being adapted



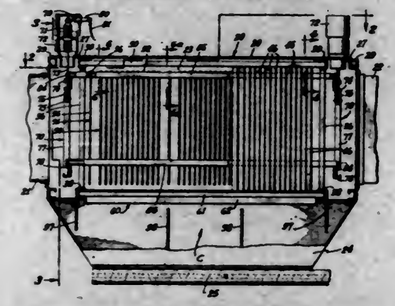
to change its position on the traversing mechanism whereby to effect a random lay-down of the yarn on the yarn receiving device.

2,354,456
HYDRAULIC TRANSMISSION
Henry Hagert, Lansing, Mich., assignor of one-half to Justin Phelps, Lansing, Mich.
Application February 20, 1942, Serial No. 431,757
3 Claims. (Cl. 74—189.5)



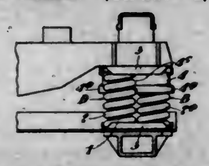
1. In a hydraulic transmission, a planetary gearing for coupling a drive shaft with a driven shaft, a series of reciprocal pumping members, means connecting said members with said transmission for operation thereby, a second series of pumping members, means communicating said first pumping members with said second pumping members, and means connecting said second pumping members with the drive shaft, said latter means including a rotatable combined gear and crankshaft carrier, a common crankshaft for said second series of pumping members, a threaded shaft radially mounted in said carrier, said crankshaft having a radially threaded portion cooperating with said threaded shaft, and centrifugal means connected with said carrier for effecting axial rotation of said threaded shaft to thereby adjust the throw of said crankshaft in accordance with the speed of said drive shaft, said latter means including a bevelled gear carried by said supporting means, opposed bevelled gears meshing with said first gear, opposed clutch elements fixed one to each of said opposed gears, an intermediate clutch element between said opposed clutch elements, spring means constantly urging said intermediate clutch element into engagement with one of said opposed elements, and centrifugally operated means for shifting said intermediate clutch element into engagement with the other opposed element.

2,354,457
ELECTRICAL PRECIPITATION APPARATUS
James Hugh Hamilton, Burbank, Calif., assignor to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California
Application July 14, 1942, Serial No. 450,898
16 Claims. (Cl. 183—7)



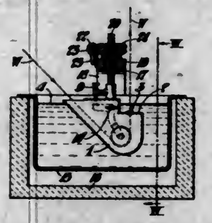
1. In an electrical precipitation apparatus for removing suspended particles from a gas, the combination comprising: a shell enclosing a horizontal passageway for a stream of the gas, and formed with a material-collecting chamber below said horizontal gas passageway, vertical collecting electrodes extending longitudinally and spaced transversely of said gas passageway and defining longitudinally-extending gas ducts, said collecting electrodes each comprising a longitudinal row of pocket electrode elements having particle collecting surfaces defining passageways open to the gas ducts and leading downwardly into said chamber, and longitudinally-extending baffles at the bottoms of said gas ducts, said baffles including baffle walls restricting the circulation of gas between said gas ducts and said chamber.

2,354,458
RAILROAD CAR TRUCK SPRING CLUSTER
Karl R. Hammerstrom, Pittsburgh, Pa., assignor to United States Steel Corporation of Delaware, a corporation of Delaware
Application August 18, 1942, Serial No. 455,250
5 Claims. (Cl. 267—4)



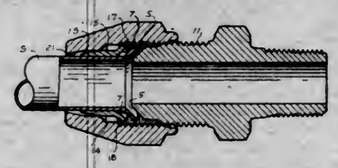
1. A railroad car truck spring cluster including at least four parallel flush-ended columns of inner and outer nested compression coil springs respectively made of relatively lighter and heavier spring bar of the same weight in each instance for all the springs made thereof, all of the inner springs and at least two of the outer springs having the same free and closed lengths with at least one of the remaining outer springs having relatively shorter free and closed lengths so there is a space between its end and those of the others, this space containing a rigid compression transmitting member extending axially of the spring for a length less than the differences between the free length of the shorter spring and the free lengths of the other springs and equaling the difference between the closed length of the shorter spring and the closed lengths of the other springs.

2,354,459
IMMERSION MEANS
Arch W. Harris, Cleveland, Ohio, and William M. Henry, Monongahela, Pa., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Continuation of application Serial No. 280,894, June 23, 1939. This application April 12, 1943, Serial No. 482,782
3 Claims. (Cl. 91—12.5)



3. Wire coating apparatus comprising, in combination, means for advancing wire past a molten metal coating bath; a sinker for deflecting said wire beneath the plane of the surface of the bath, and means for retaining the bath away from the surface of the wire between the bath's surface and the sinker at one side of the latter, and up to a point intermediate the wire's position of extreme deflection and the bath's surface at the other side of the sinker.

2,354,460
HYDRAULIC TUBE COUPLING
David R. Hillis, Detroit, Mich., assignor, by mesne assignments, to Logansport Machine, Incorporated, a corporation of Indiana
Application December 16, 1940, Serial No. 370,265
7 Claims. (Cl. 285—86)



1. A pipe coupling comprising, cooperating male and female members of generally tubular conformation having threaded engagement with each other, said male member having on its inner projecting end a conical surface providing a smooth uniform tapered seat disposed at approximately an angle of forty-five degrees to the longitudinal axis of the coupling and adapted to extend into the flared end of a tube, external threads on said male member, said female member having an inner sleeve of generally tubular conformation slidable in the outer sleeve, the outer sleeve being internally threaded at one end to engage over the externally threaded portion of the male member, said inner sleeve having a tapered seat in one end disposed at approximately the same angle as the tapered seat on said male member and adapted to engage the outer surface of the flared end of a tube to be clamped therebetween, the other end of the inner sleeve terminating within the outer sleeve and having a slow taper thereon at a point spaced considerably from the tapered end thereof, a gradually tapered constricting surface on the end of the outer sleeve surrounding the slow taper on the end of the inner sleeve so that as the outer sleeve of the female member is screwed upon the male member a double acting wedge-like lock is formed, clamping the flared end of a tube against the tapered seat on one end of the male member and at the same time clamping the slow tapered end of the inner sleeve firmly onto the tube.

2,354,461
ADJUSTABLE COUNTERSINK OR THE LIKE
Fred Hotchner, Los Angeles, Calif.
Application January 21, 1943, Serial No. 473,145
6 Claims. (Cl. 77—73.5)

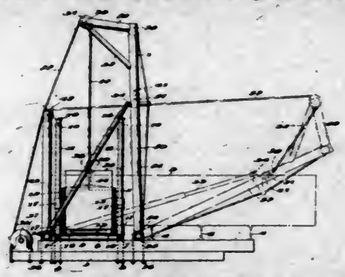


1. A countersink comprising: an arbor having a plurality of cavities opening to the leading end thereof, each of which cavities has a pair of opposing side walls and an arcuate rim wall all concentric and symmetric around an axial line, all of which axial lines are tangent to a circle of radius approximating that of the cavity rim walls, said circle lying in a plane perpendicular to the arbor axis being concentric with the same and slightly forward of the leading end of the arbor, one side wall of each cavity being convergent at least in part toward the other wall from the rim toward the cavity axis so that a solid of revolution of surfaces complementary to the said cavity walls may turn in any of said cavities around the cavity axis but may not move radially outward therefrom, the leading one of the walls of each of said cavities in the direction in which the tool turns in use being parallel to and radiating from the arbor axis, there being an axial opening in said arbor from the trailing end thereof to and opening into each of said cavities through the rim walls thereof, a bit in each of said cavities comprising a segmentary portion of a solid of revolution of surfaces complementary to the cavity walls and having a working edge along a chord of the side corresponding to the leading wall above described of the respective cavities, a wedge member in said axial opening in said arbor bearing on the rims of said bits where they are exposed through the rim wall openings of their respective cavities, and means to force said wedge member against said bits to lock them in their set positions.

2,354,462
ICE HOISTING APPARATUS
Carl A. Johnson, Fort Worth, Tex.
Application September 27, 1943, Serial No. 503,982
6 Claims. (Cl. 214—75)

1. A portable ice hoisting apparatus for an automobile truck, said apparatus comprising a vertically movable elevator, a pivotally mounted boom adapted to occupy a substantially vertical position adjacent said elevator when the elevator is in use, said boom being movable rearwardly to a lower inclined position when the elevator is not in use and having a forwardly extending portion which is disposed above the elevator when the boom is in its vertical position, and power operated flexible means supported by the said por-

tion of the boom, one end of said flexible means being adapted to be connected to said elevator when the boom is in its vertical position so that



the elevator may be raised and being also adapted to be connected to said boom when the latter is in its inclined position whereby the boom may be raised to said vertical position.

2,354,463

VAT COLOR COMPOSITION FOR PRINTING

Roy Herman Kienle and Chester Albert Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 24, 1942, Serial No. 432,156
14 Claims. (Cl. 8—34)

1. A vat dye composition comprising a dispersed vat dyestuff and an effective amount of an ester of a sulfopolycarboxylic acid with aliphatic alcohols having more than 3 and less than 10 carbon atoms at least 10% by weight of the real dyestuff.

2,354,464

MANUFACTURE OF CHLORSULPHONIC ACID

Napoleon Arthur Laury, Rockville Centre, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 15, 1942, Serial No. 447,149
6 Claims. (Cl. 23—139)

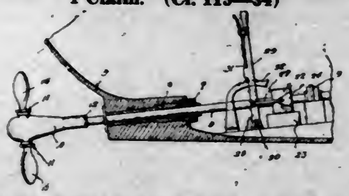
2. A process for manufacturing chlorsulphonic acid which comprises first reacting gaseous sulphur trioxide with a member of the group consisting of alkali and alkaline earth metal chlorides to form the corresponding chlorsulphonate and then heating the chlorsulphonate with fuming sulphuric acid containing up to about 40% free sulphur trioxide to produce and distill off chlorsulphonic acid.

2,354,465

PROPELLER TYPE DRIVE

Charles A. Le Bert, Evangeline, La., assignor of one-half to Carroll V. Radke, Jennings, La.

Application April 21, 1943, Serial No. 483,935
1 Claim. (Cl. 115—34)



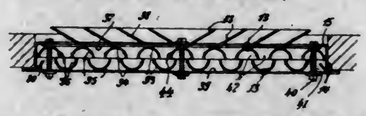
In a propeller type drive for boats, a propeller shaft bearing mounted in a hull of a boat, a hollow propeller shaft supported by said bearing, a propeller including a hollow hub detachably secured to said shaft and blades journaled in said hub to permit the pitch thereof to be varied, an operating means located in the boat, an operating shaft lying within the propeller shaft and hub, links connecting said operating shaft with the blades, said propeller shaft having slots, a pin secured to the operating shaft and extending through the slots, a housing slidable on the propeller shaft over the slots, bearing elements secured to the pin, wear plates between the housing and the bearing elements, a bearing block engaged by the housing and secured to the boat for retaining the housing against rotation with the propeller shaft and permitting the housing to slide relative to the propeller shaft, and means connecting the housing to the operating means.

2,354,466

VENTILATOR

Claus Levinsen, Brooklyn, N. Y.

Application December 2, 1942, Serial No. 467,584
3 Claims. (Cl. 98—121)



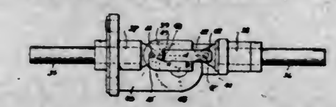
1. A porthole ventilator unit comprising a plurality of annular louvers of semi-circular cross section facing inwardly in said unit, means for maintaining said louvers in concentric spaced formation to form an outer layer of louvers, a second plurality of like louvers facing outwardly in said unit, means for maintaining the said like louvers in concentric spaced formation to form an inner layer of louvers overlapping the louvers in said outer layer, an annular casing enclosing said layers of louvers, means for securing the inner layer of louvers to said casing, said outer layer being movable within the casing and spring means interposed between said layers to automatically maintain the same in open ventilating position, said outer layer being adapted to be moved against the force of said spring means to close the louvers in the outer layer upon the louvers in the inner layer by impact of the sea against said outer layer.

2,354,467

UNIVERSAL JOINT

David R. Ligh, New Dorp, and Franz F. Ehrenhaft, Forest Hills, N. Y., assignors to Darli Industrial Management, Incorporated, Hartford, Conn., a corporation of Connecticut

Application April 2, 1943, Serial No. 481,540
12 Claims. (Cl. 64—21)



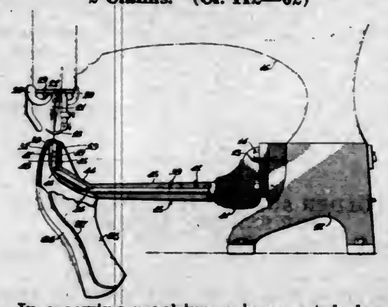
1. Universal joint comprising two shafts, a rotation transmitting member attached turnably to each of said shafts at the end thereof, said two rotation transmitting turnable members being slidably interconnected so as to enable rotation of one of said shafts by rotating the other shaft, separate bearings supporting each of said shafts, and means connecting said bearings and the shafts supported by the same turnably about a pivoting axis spaced from the axes of said shafts.

2,354,468

SEWING MACHINE

Ernest Like, Portsmouth, Ohio, assignor to The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio

Application March 11, 1941, Serial No. 382,764
2 Claims. (Cl. 112—62)



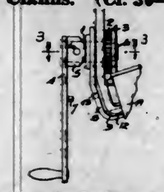
1. In a sewing machine, a base, a tubular arm extending laterally of said base for supporting a shuttle and providing a work support, said arm consisting of a main horizontal portion, said horizontal portion having a vertical extension at its outer end integrally formed therewith, a shuttle loosely supported in said vertical extension, and means for imparting an oscillating motion to the shuttle through the arm, said means consisting of a flexible shaft, said shaft disposed in and generally following the axis of the arm and having the upper end of its vertical portion provided with means for driving the shuttle.

2,354,469

CAN OPENER

David Lubetsky, Detroit, Mich.

Application November 1, 1943, Serial No. 508,551
7 Claims. (Cl. 30—13)



1. A can opener including a spindle, a crank for turning the spindle, a drive member fixed on the spindle for rotation therewith adapted to rotate around upon a peripheral margin of an end of a can, a blade carried by the spindle adapted to pierce said can end and cut the latter as the drive member travels around said margin, a movable guide supported from the spindle adapted to engage an annular abutment on said can, camming means for moving said guide into engagement with the abutment, and means on said crank for actuating said camming means.

2,354,470

SUPPORT FOR TELEPHONE HANDSETS

Katherine McGill Topken, nee Katherine McGill, New York, N. Y.

Application June 29, 1942, Serial No. 448,966
4 Claims. (Cl. 179—146)

3. A support of the character described, including an elongate base, a standard carried by the base adjacent one end of the latter, and a trough-like support extending angularly outward from the standard above the base so as to overlie the latter in spaced relation thereto, said trough-like support being formed with an upwardly facing groove extending through the outer free end of the support so as to receive the cord of a telephone hand set and to permit the curved portion of the transmitter end of the said hand set to lie substantially flush with the bottom of the trough-like support.



2,354,471

LARYNGOSCOPE

Robert R. Macintosh, Oxford, England, assignor to The Foregger Company, Inc., a corporation of New York

Application August 16, 1943, Serial No. 499,054
1 Claim. (Cl. 128—10)



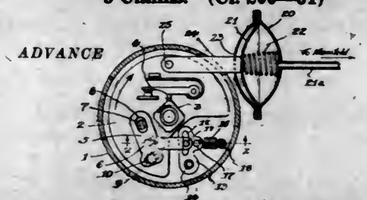
In a laryngoscope, a laryngeal blade comprising an upright centrally disposed wall, a shelf extending from the upper edge of said wall to one side thereof, a blade portion extending from the bottom edge of said wall to the opposite side thereof, the said blade portion being curved throughout its length, the free end of the blade portion being adapted to enter and fit into the angle made by the epiglottis with the base of the tongue for the purpose of exposing the larynx when the laryngoscope is inserted into the mouth of a patient and a supporting handle hingedly connected to the said laryngeal blade.

2,354,472

IGNITION SYSTEM

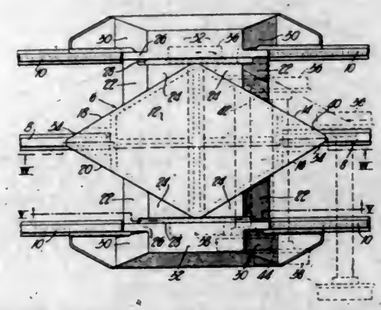
Marion Mallory, Detroit, Mich.

Application May 10, 1943, Serial No. 486,387
5 Claims. (Cl. 200—31)



1. In combination, a member rotatably supported, a suction operated device connected to said member and adapted to rotate the same, resilient means opposing said suction operated device in the rotation of said member, a stationary anchor, a lever, said resilient means being connected to said anchor and lever, a shiftable connection between said lever and said rotatable member arranged to shift toward the pivot of said lever as the rotatable member is rotated by said suction device whereby the leverage exercised by said resilient means in opposition to the suction operated device is increased.

2,354,473
RERAILER FOR CARS ON TRACKS
Archie A. Neubaum and Thor Engstrom, Gary, Ind.
Application February 13, 1943, Serial No. 475,814
5 Claims. (Cl. 104—267)



1. A rerailer for replacing derailed car wheels on track rails comprising a guide extending from a point between the track rails to a point adjacent one of said rails, a second guide extending from said first-named point to a point adjacent the other of said rails, a ramp between each guide and the rail adjacent thereto, each of said ramps sloping upwardly away from said first-named point, the tops of said guides being above the tops of said ramps, the tops of said ramps being of such height that the tread of said wheels will be at least as high as the top of the track rails when the flanges of the wheels are resting on the tops of said ramps, ramps adjacent to and outside the rails, said second-named ramps sloping in the same direction as the first-named ramps, and the tops of said second-named ramps being approximately in the plane of the top of said rails, and a guide rail between the track rails extending longitudinally thereof substantially to said first-named point for confining movement of said car wheels between one of said track rails and said first named point at all times on derailment.

2,354,474
TURNBUCKLE
John D. Noble, Santa Monica, and Edward E. Van Dyke, Sherman Oaks, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application September 14, 1942, Serial No. 458,314
8 Claims. (Cl. 287—60)

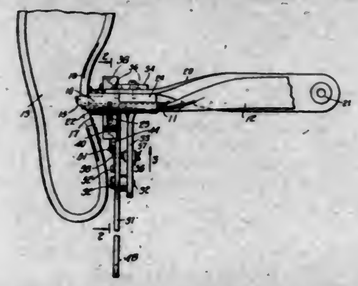


1. In a turnbuckle, the combination of: a pair of fittings for securement to the connectible ends of flexible elongated tension members and having internally oppositely threaded inwardly opening bores; a connection member having externally threaded ends engaging within said bores; a sleeve longitudinally slidably fitting over said fittings and connection member, said sleeve having portions of non-circular cross section, and said fittings and connection member having portions of non-circular cross section on their slidable surfaces cooperating with said sleeve portions respectively to prevent relative rotation with respect to said sleeve and consequently to each other.

2,354,475
METHOD OF PRODUCING LEAD ARSENATE
John S. Nordyke, Joplin, Mo., assignor to The Eagle-Picher Lead Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application May 7, 1941, Serial No. 392,389
5 Claims. (Cl. 23—54)

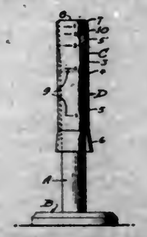
1. The method for producing lead arsenate which comprises adding arsenic acid to lead silicate and decomposing the lead silicate to form lead arsenate in the presence of precipitated silica, said precipitated silica being coated on the particles of lead arsenate.

2,354,476
FOLDER AND CUTTER ATTACHMENT FOR SEWING MACHINES
Jesse V. Poole, Abington, Mass., assignor to The Puritan Manufacturing Company, Boston, Mass., a company of Massachusetts
Application January 29, 1942, Serial No. 428,668
12 Claims. (Cl. 112—130)



1. A workpiece cutting attachment for sewing machines, comprising a substantially L-shaped bracket, a workpiece guide adjustably supported on one end portion of the bracket, said guide having a transverse opening completely exposing the workpiece a lever pivotally mounted on the other end portion of said bracket, a cutter pivotally supported on one end of the lever, means on the bracket for guiding the cutter in a movement transversely through the opening of said workpiece guide in severing a workpiece therein, and a spring for normally supporting the cutter in spaced relation to said guide.

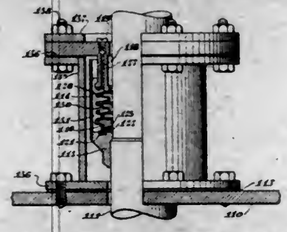
2,354,477
MEASURING DISPENSER
Walter H. Radbruch, San Francisco, Calif.
Application January 30, 1943, Serial No. 474,187
3 Claims. (Cl. 73—165)



1. A measuring dispenser comprising a cylindrical plunger mounted on a base, a cork top mounted on the plunger and being slightly conical in shape with its smaller end equal in diameter

to the plunger end and being secured to the end of the plunger, a transparent tube telescoped over the plunger, the inner surface of the tube being slightly larger in diameter than the outer surface of the plunger but slightly smaller in diameter than the larger end of the conical cork, whereby the free end of the cork will be compressed slightly and will deliver a wiping action to the tube interior as it is moved therethrough, the lower end of the tube being flared outwardly to receive the cork when the plunger is inserted into the tube, said tube having graduations marked thereon to denote different amounts of material that the tube will hold when the desired marking is brought into alignment with the outer end of the cork.

2,354,478
SHAFT SEAL
Robert C. Reinhardt, Raynor L. Jones, and Lawrence N. Blackhurst, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application May 21, 1941, Serial No. 394,398
3 Claims. (Cl. 286—11)



1. In combination with a closed vessel having a shaft opening in the top wall thereof and a vertical rotatable shaft extending through the opening, a shaft seal comprising: two opposed relatively rotatable annular bearing members encircling the shaft, one above the other, the lower member being mounted on the shaft and in fluid-tight relation with it; a hollow liquid-retaining member encircling the shaft above the bearing members, said member being sealed at its lower end to the upper bearing member and at its upper end being firmly mounted in fluid-tight relation with the vessel wall; and a second hollow liquid-retaining member mounted on the shaft co-axial therewith and surrounding the first liquid-retaining member, the lower end of said retaining member being in fluid-tight relation with the aforesaid lower bearing member, the space between the retaining members constituting a liquid reservoir in open communication with the interior of the vessel through the shaft opening in the vessel wall.

2,354,479
PHENOLIC MOLDING COMPOSITION
Fritz Rosenthal, Knoxville, Tenn., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee
No Drawing. Application April 19, 1941, Serial No. 389,466
4 Claims. (Cl. 260—7)

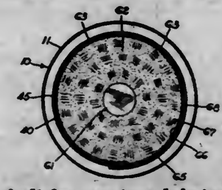
1. The method of forming a molding composition comprising a synthetic resin and a leather filler which consists in subjecting leather scrap to a pressure sufficient to break the bond between the fibers and separate the leather into individual fibers with their natural chemical and physical properties unimpaired, then comminuting the fibers to a desired particle size to facilitate removal of the contained oils and fats and increase their resin-impregnating surfaces, then subjecting the comminuted fibers to an organic solvent to remove substantially all of the contained oils and fats, then adding thereto a phenolic-formaldehyde resin syrup and then drying the mixture.

2,354,480
FASTENER
Peter F. Rossmann, Snyder, N. Y., assignor to Irving Rossi, West Orange, N. J.
Application April 30, 1942, Serial No. 441,153
5 Claims. (Cl. 85—5)



2. A clamp for temporarily assembling perforated members comprising a body having an end wall provided with an opening, a retainer comprising a pair of resilient legs, said legs having inner parallel portions and free end portions provided with shoulders and each bent angularly towards the other, a spreader in relative fixed relation to said body having a depending portion projecting through said opening and interposed between said legs to form therewith a cross-sectional area of a diameter equal to the diameter of the perforations in the members to be clamped, and spring means interposed between the inner end of said retainer and said body to draw said legs inwardly of said body and to clamp the perforated members between said shoulders and said end wall, the angularly bent end portion of each of said legs having a length approximately of the order whereby the apex of said angle of bend is positioned near the inner surface of said end wall in the retracted position of said retainer.

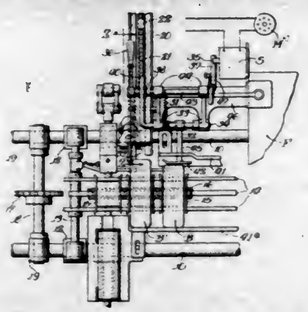
2,354,481
FILTER SHELL
John K. Russell, Los Angeles, Calif., assignor to Luber-Finer, Inc., Los Angeles, Calif., a corporation of California
Application October 5, 1942, Serial No. 460,896
7 Claims. (Cl. 210—169)



1. A filter shell for use in a lubricating system, comprising: a sheet of oil-proof paper rolled to

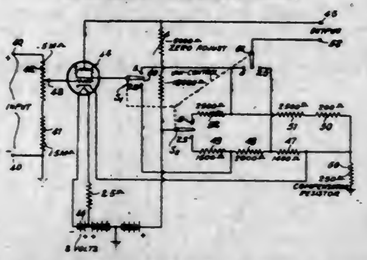
turns of a spiral to form multiple layers of a cylindrical wall, there being sufficient turns to make the wall self-supporting; and fibrous filter material in sheet form interposed between layers of said wall, said layers being perforated to permit flow through said filter material.

2,354,482
ARTICLE FEEDING MECHANISM
Oscar Sandberg, Defiance, Ohio, assignor to Lynch Manufacturing Corporation, Defiance, Ohio, a corporation of Ohio
Application March 23, 1942, Serial No. 435,781
7 Claims. (Cl. 198—232)



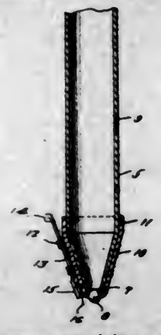
1. In means for supplying articles to a wrapping machine, means to feed articles to be wrapped to a wrapping position comprising a conveyor having spaced article receiving pockets therein, means for depositing an article in each of said pockets, means for propelling said conveyor, a control device for said last means, manually positioned in inoperative position, a latch to retain it in such position, said conveyor having a pair of sides between which the article is transported, and means engaged by the end of an article in any of said pockets which is longer than the distance between said sides, said last means being operable when so engaged to release said latch and thereby stop said means for propelling said conveyor by return of said control device to its initial position.

2,354,483
VOLTAGE VARIATION COMPENSATOR
Robert E. Schock, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application August 20, 1938, Serial No. 225,911. Divided and this application August 29, 1940, Serial No. 354,631
3 Claims. (Cl. 179—171)



1. An amplifier circuit including a potential divider having a plurality of tapping points thereon, said potential divider being connected across a direct current supply source, said source being subject to variations in voltage, a thermionic discharge tube having a cathode, a control grid, a screen grid and a plate, an input circuit connected from said control grid to the negative end of said divider, said cathode, screen grid and plate being connected to points of successively higher positive potential along said divider, the connection to said plate passing through an output circuit, a connection from the positive end of said divider to said plate through a variable resistor to balance out the current flow through said output circuit in the absence of potential across said input circuit, the resistance of the portion of said divider between said negative end and said cathode connection being so related to the resistance of the whole of said divider that a change in voltage across said divider causes such similar change of potential applied to said cathode that the plate current in said tube is maintained constant.

2,354,484
FOUNTAIN PEN
John Simpson, Chicago, Ill.
Application June 11, 1943, Serial No. 490,511
2 Claims. (Cl. 120—43)



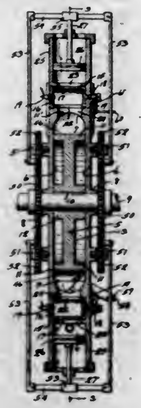
1. A fountain pen comprising a barrel provided with a writing ball at one end thereof, and compression means at the other end of the barrel for compressing ink within the barrel, and a cap for the ball, said cap being adapted to keep the ball properly seated within the corresponding end of the barrel, a slidable spring element on the cap, a packing element carried by the slidable element and adapted to snap against the ball end of the cap to cover said cap when the ball is not being used.

2,354,485
COMPOSITE ARTICLE AND ELEMENT THEREFOR
Charles E. Slaughter, New Canaan, Conn., assignor to Extruded Plastics, Inc., Norwalk, Conn., a corporation of Connecticut
Application November 2, 1942, Serial No. 464,306
8 Claims. (Cl. 20—0.5)



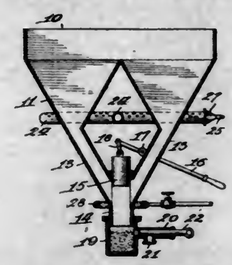
1. A continuous strip having a bead along one edge and a groove along the other, said groove being of a size to receive the bead but large enough to permit lateral movement of the bead within the groove, the walls defining the groove having projections extending backwardly at an acute angle into and within the groove to retain the bead in the groove, the bead having a barb shaped projection adapted to interlock with the projections on the walls of the groove the barb shaped projection on the bead and the wall projections in the groove each having lateral edges defined by surfaces meeting at an acute angle whereby a bead of a strip may be inserted into a groove of a strip to form a composite article with the acute angular projections of the bead and groove adapted to engage together and to unite the strips more securely when force is applied in a transverse direction tending to pull them apart.

2,354,486
ROTARY ENGINE
Hans Spitzer, Klein Kwartier, Curacao, Netherland West Indies
Application January 6, 1942, Serial No. 425,788
2 Claims. (Cl. 60—44)



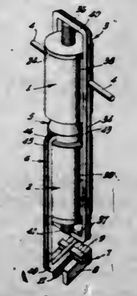
1. A rotary engine comprising a housing having a circular compartment, a circular rotor supported for turning in said compartment, the rotor having a portion of its periphery cut out to form a straight radially directed wall and a floor extending from the bottom of the straight wall to and merging with the peripheral surface of the rotor, the remaining portion of the rotor peripheral surface contacting the peripheral wall of the compartment, said cut out portion forming a chamber with the wall of the compartment, a spring projected abutment valve movably supported by the housing and constantly urged to move into the chamber toward the rotor periphery for contact with said floor to divide the chamber into a power portion, bordered by said straight wall and the abutment valve, and an exhaust portion, an exhaust for the second named portion, means for introducing an expansible fluid into the power portion of the chamber between the abutment valve and said wall, means adjacent to the angle formed between said straight wall and said floor forming a yieldable check for the abutment valve in its movement inwardly toward the floor, said rotor having a substantially semi-circular periphery, said periphery having a packing strip channel formed transversely thereof adjacent to said straight wall, a packing strip disposed in said channel, said strip being substantially semi-circular, and a pair of oppositely directed tongues integral with said strip at substantially midway between its ends, one of said tongues being embedded in the peripheral surface of the rotor and the other tongue extending across the adjacent edge of the straight wall to be contacted by the abutment valve as the valve and straight wall come into position where the valve is freed to move inwardly toward the floor.

2,354,487
DEEP FAT FRYING KETTLE
Meyer Thompson, Los Angeles, Calif.
Application September 20, 1941, Serial No. 411,671
4 Claims. (Cl. 99—408)



1. A deep fat frying kettle having a plurality of depending portions that gradually decrease in size toward their lower ends, inclined tubes leading downwardly from the lower portions of said kettle, a tube with which the lower ends of said inclined tubes communicate, a sediment receptacle detachably connected to the lower portion of said tube and valvular means for controlling the passage of sediment from the lower ends of said inclined tubes into the tube to which the sediment cup is connected.

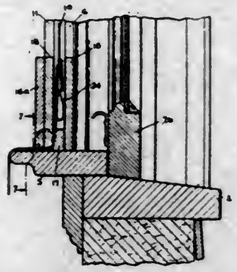
2,354,488
ELECTROMAGNETIC MOTOR
John A. Traylor, deceased, late of Denver, Colo., by Tessie S. Traylor, Edna T. Eisenhand, and John B. Traylor, coexecutors, all of Denver, Colo., and John B. Traylor, Denver, Colo.
Original application August 6, 1941, Serial No. 405,724. Divided and this application February 1, 1943, Serial No. 474,412
5 Claims. (Cl. 104—10)



1. In a solenoid for use with reciprocating electromagnetic motors, the combination of: a tubular coil spool shank; a plurality of concentrically disposed and radially aligned multi-layer solenoid coils surrounding said shank; a pair of annular terminal members surrounding said shank and

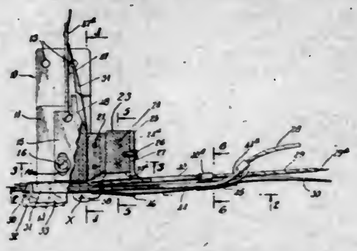
positioned at opposite ends of said coils, said members each having an outside diameter substantially equal to the outside diameter of said coils; securing means for attaching said terminal members to said coils in electrically insulated relation thereto; means connecting the inner end of each of said coils to one of said terminal members; and means connecting the outer ends of each of said coils to the other of said terminal members.

2,354,489
BLACK-OUT MEANS
Thomas T. Tucker, Atlanta, Ga.
Application April 7, 1942, Serial No. 437,969
5 Claims. (Cl. 160—23)



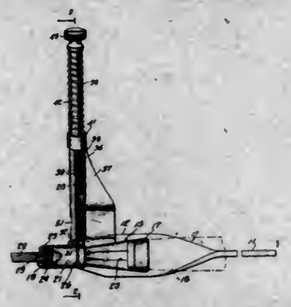
5. In a device of the class described, a shade, a roll for mounting the upper end of the shade on and in close relation to a window frame, a loop in the shade adjacent to its lower end, a rod in said loop, means for securing said rod together with its loop against a portion of the window frame, and an apron extending beyond the loop and lying on the sill of the window frame when the shade is in pull-down position.

2,354,490
MEANS FOR AND METHOD OF FORMING WELT SEAMS
Percy W. Valentine, Brooklyn, N. Y.
Application July 1, 1940, Serial No. 343,355
12 Claims. (Cl. 112—139)



1. An attachment for joining pairs of strand, strip and sheet members in forming a welt seam, said attachment comprising a mounting plate adapted to be adjustably secured to a sewing machine, a workpiece guide block adjustably secured to said mounting plate and having protruding wall portions, an intermediate block detachably and non-adjustably secured to said first named block, independent workpiece guide supports adjustably secured to said intermediate block, means on one of said last named supports for guiding a single strand toward a point of assembly intermediate the protruding wall portions of said first named block, means on the other of said supports for guiding one strand and one tape toward said point of assembly and simultaneously folding said tape about said strands, means formed between said first named block and intermediate block for guiding a second tape toward said point of assembly in a reverse folded position, means in the protruding walls of said first named block for reversing the fold in said tape thereby folding the same about said strands and first named tape, and the outer surface of said strand and tape guiding means and the opposed surfaces of the protruding walls of said block forming means for guiding edge portions of sheet members toward said point of assembly.

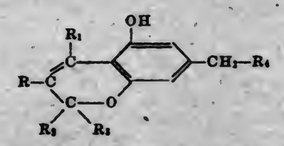
2,354,491
FOLDER AND CUTTER ATTACHMENT FOR SEWING MACHINES
Percy W. Valentine, Brooklyn, N. Y., assignor to The Puritan Manufacturing Company, Boston, Mass., a company of Massachusetts
Application January 29, 1942, Serial No. 428,666
11 Claims. (Cl. 112—130)



1. A cutter for attachments of the class described comprising a cylindrical support, a plunger mounted in said support, a cutter blade pivotally supported in connection with one end of the plunger and keyed in said support, the other end of the plunger projecting beyond the support, a spring engaging the plunger to maintain the blade in retracted position within the support, and means engaging the blade, upon actuation of said plunger, to swing the blade on its pivot in the movement of the blade into operative position.

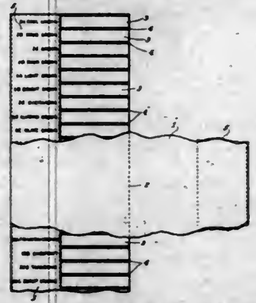
2,354,492
MARIHUANA ACTIVE COMPOUND
Roger Adams, Urbana, Ill.
No Drawing. Application November 26, 1941, Serial No. 420,528
9 Claims. (Cl. 260—333)

1. A compound represented by the following formula



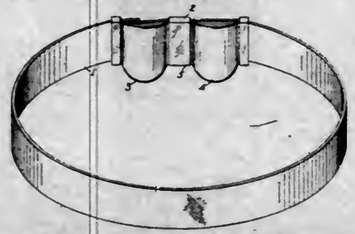
where R is selected from the group consisting of hydrogen, alkyl and alkenyl groups, R_1, R_2 and R_3 represent lower alkyl groups and R_4 represents an alkyl group containing 1 to 10 carbon atoms.

2,354,493
COLOR CHART
Arthur H. Adams, Jr., Newark N. J., assignor to National Rayon Dyeing Company, Newark, N. J., Barnhardt Brothers, Charlotte, N. C., and Tryon Processing Co., Tryon, N. C.
Application February 19, 1942, Serial No. 431,527
3 Claims. (Cl. 88—14)



1. A color chart made up of differently colored warp threads forming parallel colored stripes, and monotone woof threads forming a backing for the colored stripes, said fabric being folded transversely to the stripes with the backing inside, and a ribbon fastened to the fabric and bearing the designations of the colors in alignment with the stripes.

2,354,494
HERNIAL TRUSS
George Ajdukovich, St. Louis, Mo.
Application December 1, 1941, Serial No. 421,133
1 Claim. (Cl. 128—95)

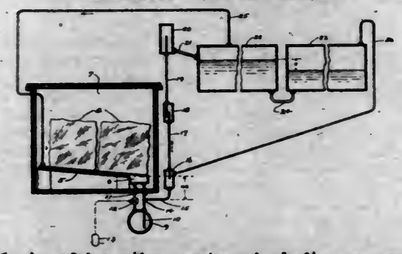


A truss of the character described, comprising, a thin plate formed to provide a unitary pad element having a pair of pressure pads whose inner faces are formed convex in horizontal section and substantially straight in vertical section and whose outer faces are correspondingly concave, said pads being separated by an intermediate bridge section positioned in recessive relation to said inner faces, belt-receiving elements on said bridge section and on the outer edge portions of said pads, and a belt engageable in said belt-receiving elements and having a belt buckle positionable on the outside of said pad element.

2,354,495
DEHYDRATION PROCESS
Paul H. Bodenstein, New York, N. Y., assignor to Joseph Haimowitz and Joseph D. Shifrin, both of New York, N. Y.
No Drawing. Application December 29, 1942, Serial No. 470,452
4 Claims. (Cl. 99—199)

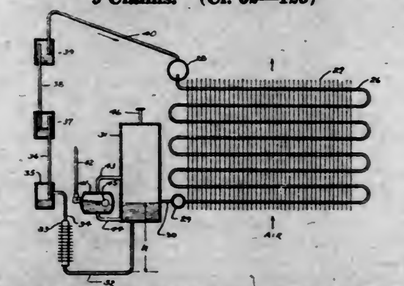
1. In a process for dehydrating a solid foodstuff, the heating of same in a bath comprising a molten chemically neutral compound consisting of a partially saturated ester of an aliphatic polyhydric alcohol and an aliphatic monocarboxylic acid in molecular quantities insufficient to combine with all the hydroxyl radicles in the polyhydric alcohol, for a time and at a temperature sufficient to vaporize part or all of the water contained in the foodstuff.

2,354,496
REFRIGERATION METHOD AND APPARATUS
Robert T. Brizzolara, New Dorp, Staten Island, N. Y.
Application May 14, 1943, Serial No. 486,991
8 Claims. (Cl. 62—125)



1. A refrigeration system including an evaporator, a condenser, and a liquid receiver connected in a refrigerant circuit, said receiver being located below said condenser, a tube for draining liquid from said condenser into said receiver, a separate tube for conducting vapor from said receiver back to said condenser, and means for throttling said separate tube for causing liquid from said receiver to flood back through said first mentioned tube into said condenser when a desired condition is brought about by the evaporation of refrigerant in said evaporator.

2,354,497
REFRIGERATION APPARATUS
Robert T. Brizzolara, New Dorp, Staten Island, N. Y.
Application June 12, 1943, Serial No. 490,561
9 Claims. (Cl. 62—125)



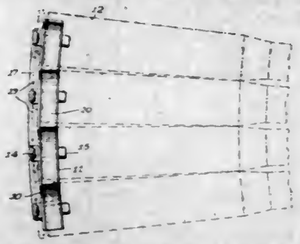
1. Refrigeration apparatus comprising a main evaporator, means forming a liquid accumulator connected to said evaporator, said accumulator having a sump located below said evaporator for draining liquid therefrom, a pilot evaporator connected to said accumulator for receiving liquid therefrom, and means including a plurality of lift fittings connecting said pilot evaporator and said main evaporator, said pilot evaporator absorbing heat and evaporating liquid therein and said lift fitting utilizing said vapor to lift liquid refrigerant from said pilot evaporator for supply to said main evaporator.

2,354,498
CLOSURE FASTENER
Harry S. Brown, Stafford County, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application December 4, 1941, Serial No. 421,591
2 Claims. (Cl. 217—89)



1. A package comprising a container having an open end, a tight-fitting closure member telescoped over the open end of said container, a U-shaped closure fastener positioned about the free edge of said closure, one leg of said fastener positioned between the closure and the container, said leg having an integral sharpened projection extending toward the open end of the container and embedded in the wall of the container, the other leg of said fastener positioned against the outside of said closure and having an integral sharpened projection extending toward the open end of the closure and embedded in the outer wall of said closure, said oppositely extending projections permitting the closure carrying said fastener to slide onto the container but preventing removal of the closure therefrom.

2,354,499
AMMUNITION CHARGER
John J. Calhoun, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 5, 1941, Serial No. 401,189
8 Claims. (Cl. 89—34)



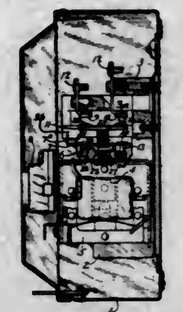
1. An ammunition charger including spaced wall slightly bent longitudinally and having a lower flange on each wall, the edge of each wall remote from its flange being arcuately recessed for reception of fixed ammunition seated therein, one wall being higher than the other for reception in a base recess in the ammunition, a hook adjacent the center of each recess in the higher wall, a projection from each hook passing through each wall, a spring around each projection for cooperation with one of the walls and with said projection for urging the hook toward the higher wall, the base flange on the other wall extending across the base flange on the higher wall and being secured thereto, at least one of said flanges extending laterally beyond the hooks, and spacer means secured to each wall adjacent the edge portion remote from its flange and intermediate a pair of arcuate recesses.

2,354,500
INSULATED COIL
Guglielmo Camilli, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application October 22, 1942, Serial No. 462,915
5 Claims. (Cl. 175—21)



1. In a coil for an electric induction apparatus having a general toroidal shape, a first covering including a plurality of layers of crepe paper wound around the outer peripheral surface of the coil, the paper having a width greater than the width of the coil so that the outer edge portions of the layers overlie the end portions of said coil, and a second covering including a plurality of layers of crepe paper wound through and around said coil.

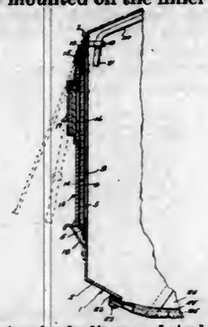
2,354,501
CONTACT CONSTRUCTION
Paul M. Christensen, Newington, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application January 4, 1941, Serial No. 373,188
15 Claims. (Cl. 200—165)



1. In a switch, a contact construction comprising the combination of a supporting member and a contact carrying member, one of said members having a projection extending from a surface thereof and the other member having a recess therein of a size to receive said projection, said recess having a constricted entrance of a width less than that of said projection for normally locking the same in the recess when received therewithin to prevent relative separative movement of said members, and one of said members including a resilient portion yieldable to allow the projection to be forced through the said constricted entrance into and out of said recess.

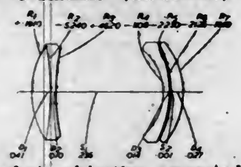
2,354,502
HEAD SHIELD
William T. Cockrill and Thomas J. Duncan, Flint, Mich.
Application April 21, 1943, Serial No. 483,928
3 Claims. (Cl. 2—8)

1. A head shield of the character described comprising a hood having an opening in the front thereof, an inner protector hingedly suspended on the hood over the opening, and an outer protector hingedly mounted on the inner protector, said



outer protector including a plate having an opening therein, and filter glasses mounted on said plate over the opening.

2,354,503
OPTICAL OBJECTIVE OF THE TELEPHOTO TYPE
Arthur Cox, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application December 12, 1942, Serial No. 468,839
In Great Britain December 1, 1941
9 Claims. (Cl. 88—57)



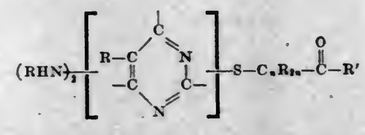
1. A telephoto objective corrected for spherical and chromatic aberrations, coma, astigmatism and field curvature, and comprising a rear divergent doublet member consisting of two elements separated by a meniscus-shaped air space whose surfaces are concave to the front the rear surface of such air space having a curvature exceeding that of the front surface thereof by an amount lying between .10 and .70 times the equivalent power of the whole objective, and a front convergent doublet member separated from the rear member by an air space between .15 and .35 times the equivalent focal length of the objective, the mean refractive indices of the four elements of the objective all being greater than 1.610, the objective having a clear back aperture bearing to the clear front aperture a ratio not less than 3.825 tan and not greater than 6.50 tan θ where θ is the semi-angular field of the objective.

2,354,504
PLASTICIZED AMINOPLAST
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application December 10, 1940, Serial No. 369,429
17 Claims. (Cl. 260—33)

1. A composition of matter comprising an aminoplast modified with a nitrogenous compound selected from the class consisting of (1) aryl compounds having attached to the aryl nucleus at least one sulfonamide radical and at least one ureido radical and (2) aldehyde-reaction products of the aryl compounds of (1).

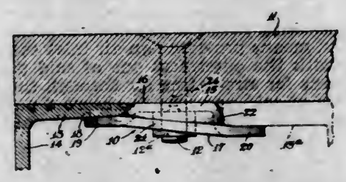
2,354,505
DIAZINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 30, 1942, Serial No. 449,167
20 Claims. (Cl. 260—251)

1. Chemical compounds corresponding to the general formula



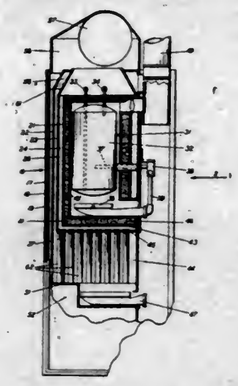
where n represents an integer and is at least 1 and not more than 2, R represents a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and R′ represents a member of the class consisting of monovalent aliphatic hydrocarbon radicals and monovalent aromatic and nuclearly halogenated aromatic hydrocarbon radicals.

2,354,506
SECURING CLIP
Ernest G. Doke, Chicago, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois
Application January 28, 1942, Serial No. 428,477
3 Claims. (Cl. 189—35)



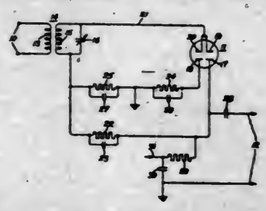
1. In a stamped sheet metal clip adapted for securing a floor board to a supporting sill presenting an engagement face offset below the lower face of the board to a selective variable extent within a given range, a body having a central area thereof pressed into the form of an embossment spaced from all edges of the body and providing a flat base to engage flatwise against the floor board, and a sill-engaging flange structure surrounding the base and extending laterally therefrom in graduated offset relation to the board-engaging face of the base whereby different portions of the flange structure are adapted to make face contact with respective sills having unequal offset spacing relative to their associated floor boards, and an annular substantially right-angular integral wall connecting the flange structure and the base and reenforcing and stiffening the same to withstand the stresses and strains in use which would tend to deform and distort a flat piece of sheet metal of equivalent dimensions and gauge, said flange structure comprising an originally solid flange having radial lines of severance separating the graduated sections thereof into units independent of the remaining sections but all connected together through the medium of the annular reenforcing and stiffening wall which remains solid and fully effective for reenforcing and stiffening the clip as a whole and each of the separate offset flange sections individually and collectively.

2,354,507
COMBINATION FURNACE AND WATER HEATER
Arthur Doherty, Los Angeles, Calif.
Application September 9, 1940, Serial No. 356,016
9 Claims. (Cl. 126—101)



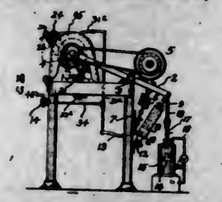
7. A combined furnace and water heater comprising a housing, inner and outer casings disposed therein, a radiating shell interposed between said casings and spaced from both to present passages independent of each other, said outer casing being spaced from said housing to provide a third passage outside said other two, a boiler disposed within said inner casing, supply and outlet pipes communicating therewith, a firebox disposed below said radiating shell and communicating with the intermediate one of said passages, means providing an air inlet communicating with the outermost one of said passages, and means for circulating air through the innermost one of said passages to absorb a portion of the heat which otherwise would reach said boiler from said intermediate passage.

2,354,508
NOISE BALANCING
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 31, 1942, Serial No. 464,029
7 Claims. (Cl. 250—20)



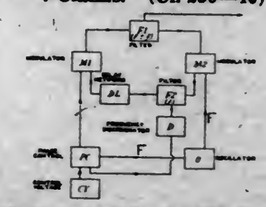
3. In a carrier wave receiver, the combination of an impedance upon which the demodulation voltage of said carrier wave and an undesired noise voltage appear, a resistance connected in series with said impedance, and means to reproduce on said resistance said demodulation and noise voltages in opposed relation to the voltages on said impedance, said opposed noise voltage being of substantially equal intensity to the noise voltage on said impedance and said opposed demodulation voltage being substantially smaller than the demodulation voltage on said impedance.

2,354,509
ABRASIVE CUTOFF MACHINE
Stanley C. Dreher, Cincinnati, Ohio, assignor to The Minute-Man Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application November 25, 1942, Serial No. 466,873
10 Claims. (Cl. 51—98)



1. In a machine of the class described including a table, a work gauge comprising an abutment, a bracket on said abutment, a fluid pressure cylinder on said bracket, and a clamping means actuated by said fluid pressure cylinder and acting to clamp work against said table and said abutment, said abutment being movable with respect to said table whereby said bracket and hydraulic clamping means is movable with said abutment to selected positions on said table.

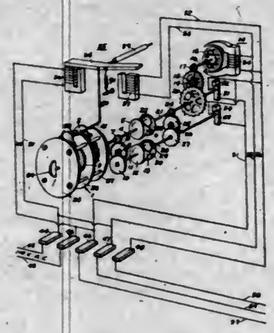
2,354,510
AUTOMATIC FREQUENCY CONTROL
Charles William Earp, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application July 17, 1942, Serial No. 451,292
In Great Britain July 11, 1941
7 Claims. (Cl. 250—40)



1. A frequency stabilized oscillation generating system comprising a closed oscillating circuit, an oscillator, an oscillator output circuit, means for shifting the phase of the oscillator output in said output circuit, means for introducing said phase shifted output into the closed circuit, the closed circuit oscillating frequency being varied in proportion to said phase shift, and means for varying said phase shift in proportion to variations in frequency in the closed circuit and thereby stabilizing said frequency.

2,354,511
TIME SYSTEM
George C. Engel, Ridgewood, and Adolph Amend, Jr., Harrington Park, N. J., assignors to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application March 11, 1942, Serial No. 434,210
6 Claims. (Cl. 58—35)

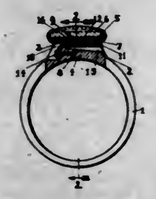
1. In an automatic resetting control apparatus for a synchronous motor time system, a source of alternating current, a spring driven clock movement, means normally holding said clock movement inoperative and released upon failure of current flow from said source to start said clock movement, means effective upon resumption of current flow for holding said first means in released position, a normally inoperative synchronous motor started upon resumption of current flow following an interruption therein, and means jointly controlled by said motor and said clock movement for rendering said motor inoperative and for rendering said first means effective to stop said time movement.



2,354,512
TREATMENT OF VINYL TYPE HALIDES
Harry de V. Finch, Berkeley, and Kenneth E. Marple, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 8, 1942, Serial No. 446,292
10 Claims. (Cl. 260—593)

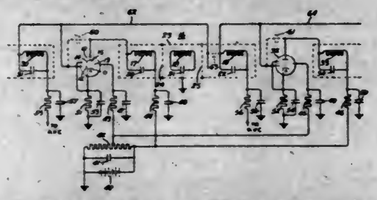
1. A process for the production of methyl ethyl ketone which comprises reacting 2-chlorobutene-2 with aqueous sulfuric acid of a concentration between about 80 and about 90 per cent at a temperature in the range of from about 20° C. to 40° C., diluting the reacted mixture with water to a sulfuric acid concentration between about 25 and about 75 per cent, and steam distilling the diluted reacted mixture to separate the methyl ethyl ketone therefrom.

2,354,513
INTERCHANGEABLE SETTING FOR FINGER RINGS
Mitchel Fitzer, New York, N. Y.
Application November 16, 1942, Serial No. 465,717
1 Claim. (Cl. 63—15)



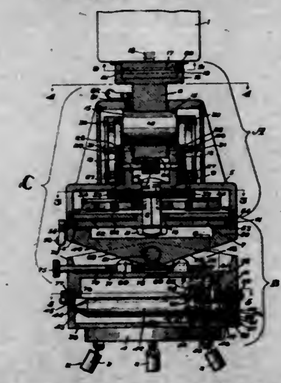
In a finger ring, the combination of a ring band having a flat head with an internally threaded aperture in its center, with a setting having a flat bottom to which a threaded pin is secured and which has notches around said pin, and a latch carried by a resilient arm which is secured to said ring band, said latch being adapted to engage said notches at the bottom of the setting, substantially as described.

2,354,514
AMPLIFYING SYSTEM
Paul C. Gardiner, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application January 23, 1942, Serial No. 427,972
6 Claims. (Cl. 179—171)



1. In a system for amplifying waves of a predetermined frequency, the combination of an electron discharge device having input and output circuits between which undesired regenerative feedback exists by reason of interelectrode capacity in said device, at least three resonant circuits each tuned to the operating frequency of the system, the first one of said resonant circuits being included in said output circuit, said resonant circuits being coupled together in cascade arrangement for the successive transfer of high frequency waves between said output circuit and a load device, and a capacity coupling between said input electrode and a point on the third one of said resonant circuits in said cascade arrangement for substantially neutralizing said regenerative feedback.

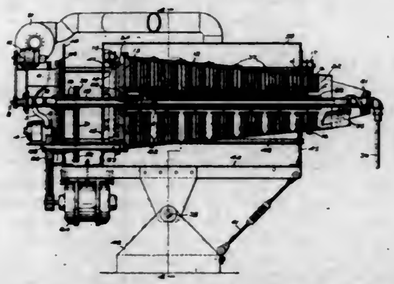
2,354,515
TRIPOD HEAD FOR CAMERAS AND THE LIKE
Kendall T. Greenwood, Sanford, Maine
Application November 1, 1943, Serial No. 508,499
9 Claims. (Cl. 248—183)



1. A tripod support for cameras and the like comprising a tripod having a supporting plate, a leveling table, having means for mounting a camby said leveling table, means for mounting the leveling table on the supporting plate, said latter means having provision to permit the leveling table to be swung into an inverted position and also having provision to permit said leveling table when in such inverted position to turn freely by gravity about two different horizontal axes at right angles to each other and thereby assume an inverted position with the leveling table in a horizontal plane, and two locking means, each operative while the leveling table is in its in-

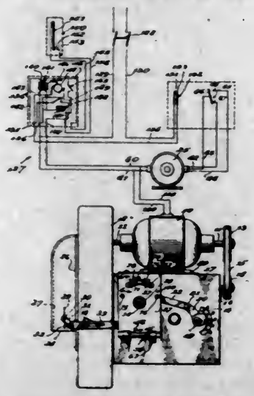
verted position to lock it against turning movement about one of the horizontal axes, whereby when the leveling table is restored to its upright position it will occupy a true horizontal plane.

2,354,516
MARSHMALLOW BEATER
Jesse W. Greer, Cambridge, Mass., assignor to J. W. Greer Company, Cambridge, Mass., a corporation of Massachusetts
Application January 30, 1941, Serial No. 376,572
11 Claims. (Cl. 261—93)



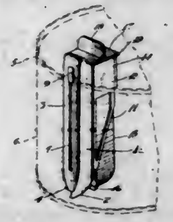
1. A marshmallow beater comprising an elongated casing of approximately circular cross-sectional form, a beater in said casing extending lengthwise thereof and comprising a shaft and a series of whipping elements projecting therefrom, mechanism for revolving said beater, means for feeding a marshmallow mix into said casing continuously, and means for continuously scraping the mix off the sections of said shaft between the whipping elements.

2,354,517
STOKER CONTROL
William W. Hallinan, Mendota, Ill.
Application December 10, 1941, Serial No. 422,400
12 Claims. (Cl. 110—32)



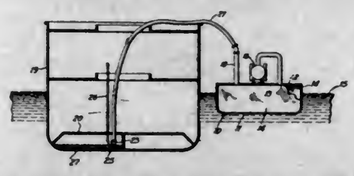
7. In a controlling unit for coal stokers, the combination of a support with a driven shaft rotatably mounted upon said support, electrically controlled driving means carried by said support for driving said shaft, a feed controlling member for controlling the feed to the stoker of one of the elements of combustion, a pair of adjustable stop members for said feed controlling member, said stop members being carried by said support and operative mechanical connecting means for driving said feed control member from said shaft and permitting relative movement of said member and said shaft when the motion of said feed control member is opposed by a stop, and means for adjustably securing said stops at any of a multiplicity of different positions on said support whereby the upper and lower limits of motion of said feed control member may be independently and separately adjusted, said operative mechanical connecting means comprising a clutch interposed between said feed control member and said shaft.

2,354,518
COMBINATION CAN OPENER, LID, AND MEASURING DEVICE
Dorne N. Halstead, Upper Montclair, N. J.
Application September 30, 1941, Serial No. 412,939
14 Claims. (Cl. 222—81)



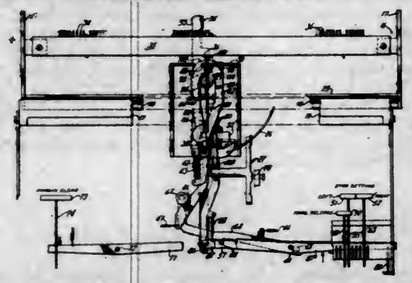
1. In a combination can opener and measuring device, comprising a channel shaped member having a passageway, said channel member having one end wedge shape with cutting edges thereon, whereby the channel member will cut through the side of a can when pressed thereagainst, said channel member being slightly tapered to the wedge shaped end, a channel shaped measuring scoop adapted to slide in said channel shaped member, said measuring scoop having one end closed, and means on said closed end for sealing the passageway, said measuring scoop being tapered from the closed end to its other end to form fit the channel member.

2,354,519
SLUDGE PUMPING APPARATUS
Fred W. Hartstein, Brooklyn, N. Y.
Application May 20, 1944, Serial No. 536,471
3 Claims. (Cl. 103—5)



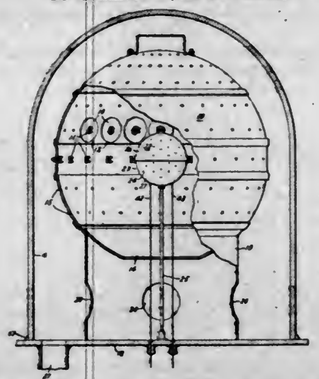
1. In an apparatus for pumping viscous sludges from the inside of a ship, a barge, a vacuum compartment within said barge having heat conducting walls disposed below the water line of said barge, a flexible transmission line having an outlet end connected to said vacuum compartment and its inlet end disposed in the viscous sludge to be pumped, means for allowing atmospheric air to enter the transmission line, means for injecting steam into the transmission line, and means on said barge for creating a relatively high vacuum in the vacuum compartment.

2,354,520
TYPEWRITING MACHINE
William F. Helmond, Clinton, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 30, 1940, Serial No. 372,297
29 Claims. (Cl. 197—63)



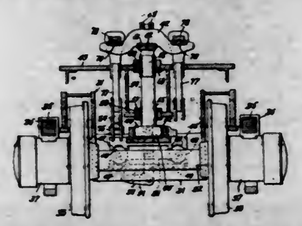
1. In a typewriter having a reciprocatory carriage; a margin-gaging mechanism including; spaced stops on the carriage defining carriage-stopping points; a counterstop arranged in the path of carriage-stop travel for engagement by said stops respectively to bar carriage travel, in either direction, at said points; and means for moving, holding and restoring the counterstop in respect to a carriage-stop engagement, said means including devices for withdrawing the counterstop from the path of carriage-stop travel, for holding it so withdrawn as the carriage passes beyond said points and until the carriage is returned to a position in which the counterstop is in advance of stop-engaging position, and for releasing and restoring the counterstop to stop-engaging position when said returned position has been reached.

2,354,521
EVAPORATOR FOR TREATING SURFACES
Clarence W. Hewlett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 7, 1943, Serial No. 471,537
15 Claims. (Cl. 91—12.2)



15. An apparatus for producing coatings by condensation of vapor comprising a perforated, substantially spherical evaporator shell, a holder spaced centrally of said shell containing a substance to be vaporized, a heating element located in the space between said evaporator shell and said holder, a frame within said shell in rigid connection therewith, means to mount said heating means insulatingly on said frame, substantially spherical support for articles to be coated, said support being spaced away from and substantially parallel to the exterior surface of said evaporator and a sealed envelope which is adapted to be evacuated enclosing said elements.

2,354,522
LOAD EQUALIZING SYSTEM
Ole K. Kjolseth, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 31, 1941, Serial No. 425,097
3 Claims. (Cl. 105—82)

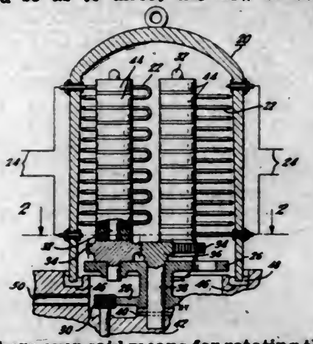


1. A transverse load equalizing system for a locomotive having a guiding truck and a main driving truck with a driving axle which includes a longitudinally extending spring member on each side of said driving truck supported on said driving axle, a transverse equalizer having a central double fulcrum seat, means including a center plate on said guiding truck for supporting a part of the weight of said locomotive thereon, means including a double fulcrum supported on said center plate and arranged in engagement with said transverse equalizer central double fulcrum seat for supporting said transverse equalizer, an end double fulcrum seat adjacent each end of said transverse equalizer, a longitudinally extending equalizer member arranged on each side of said locomotive, means for supporting one end of each of said longitudinally extending equalizer members on said longitudinal spring members, means including a double fulcrum element for supporting the other end of each of said longitudinal equalizer members on said transverse equalizer and double fulcrum seats, and means for supporting a part of the weight of said locomotive on said longitudinally extending equalizer members.

2,354,523
HEAT-TREATING APPARATUS
Roland P. Koehring, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 22, 1941, Serial No. 389,787
2 Claims. (Cl. 13—22)

1. Apparatus for heat treating a plurality of stacked annular plates comprising in combination; a removable bell type furnace cover, electrical heating means disposed adjacent the internal vertical surfaces of said cover, a rotatable table member adapted to be enclosed by said cover, a pilot carried by said table member and relatively rotatable with respect thereto, said pilot being adapted to carry a stack of said annular plates to be heat treated; means for rotating the table member and the pilot at different rates of speed whereby different surfaces of said plates are exposed to the heating surfaces of the furnace, and means for introducing a controlled atmosphere into said furnace for pre-

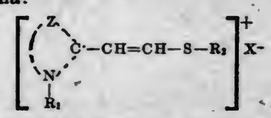
venting oxidation of said plates said means being disposed so as to direct the flow of controlled



atmosphere over said means for rotating the table whereby said means is maintained at a temperature less than the heat treating temperature.

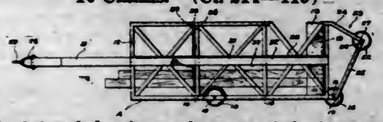
2,354,524
TRIMETHINECYANINE DYESTUFFS
Karl Kumetat, Wolfen, Kreis Bitterfeld, and Oskar Riester, Dessau-Haideburg, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 17, 1942, Serial No. 431,268. In Germany September 17, 1940
4 Claims. (Cl. 260—240)

1. A process of preparing trimethinecyanines which comprises reacting compounds of the general formula:



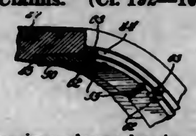
wherein Z means a group of atoms necessary to complete a ring usual in the cyanine dye art, said ring being selected from the class consisting of 5- and 6-membered rings; R_1 and R_2 mean an alkyl, and X means an anionic acid radical; with quaternary salts of nitrogenous heterocyclic compounds containing a reactive alkyl group in a position selected from the group consisting of α- and γ-positions to the nitrogen atom in the presence of alkaline condensing agents.

2,354,525
TRUCK OR CAGE FOR RAISING OR LOWERING MATERIAL
Edmond Lapointe and Arthur Edwin Zimmerman, Noranda, Quebec, and Arthur Elmer Zimmerman, Normetal, Quebec, Canada
Application September 1, 1943, Serial No. 500,810
10 Claims. (Cl. 214—119)



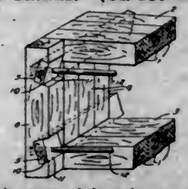
1. A truck having a framework body normally disposed parallel to the level upon which it travels and a receiving member disposed in one end of said truck at right angles to the normal plane of the base of said truck, said receiving member designed to support material therein, said truck having a pair of pilot wheels, projecting beyond said receiver, at one end and spaced upwardly from said level and engageable with said level when the truck is raised by its opposite end and disposed at an angle to said level, said receiving member forming the base of the truck when in such latter position, means designed to connect said truck with a lifting and lowering device to raise and lower said truck in said shaft at an angle to the level for normal travel, said pilot wheels forming a means for facilitating travel of the truck to raising and lowering position from normal level position, guide members in said shaft, and guide means in connection with said truck lockable in and releasable from captive slidable relation with said guide members when said truck is in said shaft.

2,354,526
SYNCHRONIZER AND METHOD OF MAKING THE SAME
Robert Lapsley and Donald S. Dence, Berrien Springs, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Original application February 7, 1940, Serial No. 317,658. Divided and this application March 12, 1941, Serial No. 382,952
3 Claims. (Cl. 192—107)



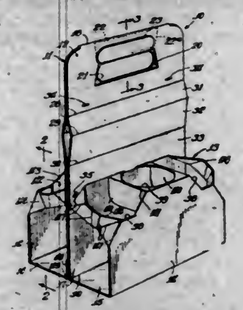
1. A synchronizer sleeve having a frusto-conical recess in one end thereof and an axially projecting lip overhanging the end of said recess, and a friction ring pressed into seating engagement in said recess and having circumferentially spaced notches in the outer end thereof, said lip being bent radially over the end of said ring to hold said ring against axial displacement and having portions thereof axially indented into said notches to hold said ring against circumferential movement.

2,354,527
CULVERT STRUCTURE
Arthur Henry Likely, St. John, New Brunswick, Canada
Application January 13, 1944, Serial No. 518,184
In Canada September 7, 1943,
6 Claims. (Cl. 138—79)



1. A culvert comprising top and bottom walls each consisting of a plurality of members laid side by side, all of said members being substantially identical, side walls each consisting of a plurality of members laid side by side, all of said side wall members being substantially identical, a member extending along each longitudinal corner of the culvert and engaging said top or bottom and side members, said longitudinally extending member being inclined with respect to the walls of the culvert and having projecting ends, and posts at the end corners of the culvert engaging respective pairs of said projecting ends.

2,354,528
CARRIER FOR BOTTLES
Roy E. Lowey, Evanston, Earl C. Potter, Chicago, and Charles B. Kilmer, River Forest, Ill., assignors to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application December 1, 1941, Serial No. 421,102
2 Claims. (Cl. 224—45)



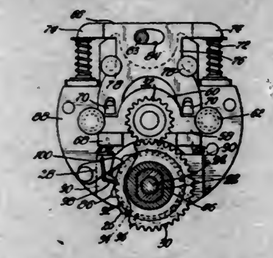
2. In a carrier of the character described formed from sheet material to provide a compartment adapted to receive two rows of bottles in upright position with their neck portions extending thereabove, said compartment including top, bottom and side panels and a partition panel extending substantially vertically between said rows of bottles and secured to said bottom and top panels, and a handle portion extending upwardly and substantially in the plane of said partition panel from the upper edge thereof and having its top edge normally substantially above the level of the tops of bottles disposed within said compartment, the improvement wherein said handle portion comprises two panels of said material in face-to-face relation, each of said handle portion panels being provided with at least three substantially horizontal spaced score lines at corresponding levels and said handle portion panels being secured in face-to-face relation above the uppermost and below the lowermost of said score lines, whereby the parts of said handle portion panels between said score lines may be deflected from face-to-face relation and the top of said handle portion may be depressed below the level of the tops of said bottles to allow a plurality of similar carriers filled with bottles to be stacked.

2,354,529
CONTROL DEVICE
William L. Ludwick, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of N. J.
Application June 3, 1942, Serial No. 445,687
5 Claims. (Cl. 200—122)



1. A thermal relay comprising a thermally-responsive element, a bulb enclosing said element, a heating coil surrounding said bulb, and a housing for said bulb and heating coil comprising a double-walled casing having the space between the walls thereof substantially evacuated of air, said housing being sealed to said bulb to form therewith a closed chamber for said heating coil, said chamber containing gas.

2,354,530
FISHING REEL
Richard P. McMahon, Bronson, Mich., assignor to Bronson Reel Company, Bronson, Mich., a corporation of Michigan
Application January 30, 1941, Serial No. 376,610
3 Claims. (Cl. 242—84.5)



1. In a fishing reel of the type embodying a frame; a spool journaled in said frame; a crank journaled on said frame; and a transmission from said crank to said spool including means permitting said spool to pay out line without rotation of said crank; means for preventing rotation of said crank in the direction of paying out line, comprising: a toothed ratchet integrally connected to turn with said crank; a pawl pivoted on said frame; and pawl-biasing means for engaging said pawl with said ratchet at the beginning of any rotation of said crank in the direction of paying out line, and continuously holding said pawl clear of the path of said teeth during rotation of said crank in the direction of reeling in; said biasing means comprising a shifting arm engaging said pawl, a light friction connection between said shifting arm and said crank; said friction connection including a grooved element rotating with said ratchet, and a resilient wire partly encircling said grooved element and resting in said groove, said wire being connected to said shifting arm.

2,354,531
PROCESS OF AND MATERIAL FOR CREAMING LATEX AND LIKE MATERIALS
Gerry Mack, Jackson Heights, N. Y., assignor to Advance Solvents and Chemical Corporation, a corporation of New York
No Drawing. Application January 2, 1941, Serial No. 372,840
11 Claims. (Cl. 260—322)

1. A process for concentrating latex and the like materials, which process comprises treating a quantity of latex containing 100 parts by weight of solids with between about 0.15 and 0.45 part by weight of a creaming agent selected from the group consisting of the alkali soluble acid cellulose acetate dicarboxylates and their water soluble salts, allowing the latex to form a rubber rich cream layer and a rubber poor serum layer, and separating the cream from the serum.

2,354,532
HOT WATER TANK CONSTRUCTION
Wesley G. Martin, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 22, 1941, Serial No. 407,861
3 Claims. (Cl. 220—67)

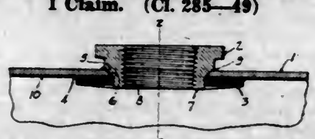
3. In a hot water storage tank and the like, a cylindrical metal shell having a ceramic enamel lining therefor and having an end portion curved

outwardly on a substantially large radius to provide a reverse bend having an outer surface of gradually increasing diameter toward the circumferential edge thereof and with the lining extending continuously over the outer surface of said curved end portion and reverse bend, a dome shaped head having a similar ceramic enamel



lining and having its marginal circumferential portion extending complementary to said outer surface of the reverse bend of the shell and fitting tightly thereon, and a weld spaced from the body of the shell and joining the circumferential edge of said head to said reverse bend of the shell.

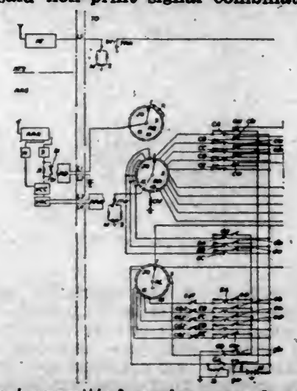
2,354,533
TANK FITTING
Wesley G. Martin, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 29, 1942, Serial No. 428,649
1 Claim. (Cl. 285—49)



A fitting for the shell of a hot water tank having a ceramic enamel lining to resist corrosion and an opening in the wall thereof to receive the fitting, said fitting comprising a corrosion resistant metal spud having one end secured to the edge of said opening and the other end projecting within said tank, a washer of corrosion resistant material disposed around the projecting end of the spud in tight engagement with the interior surface of said tank, said washer being pliable to conform to the contour of the wall of the tank and having a central opening with a diameter slightly less than that of the projecting end of said spud to provide a tight grip of said end by said washer when assembled together, and corrosion resistant cementing material constituting the sole means for securing the washer to the spud and to the inner surface of said tank and preventing exposure of the metal at the juncture of the tank and spud to the contents of the tank.

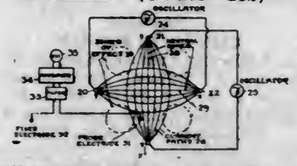
2,354,534
TELEGRAPH SYSTEM
Frederick Percival Mason, Croydon, England, assignor to Creed and Company Limited, Croydon, England, a British company
Application June 3, 1942, Serial No. 445,567
In Great Britain November 29, 1940
5 Claims. (Cl. 178—69)

1. A printing telegraph system including signal transmitting means at a transmitting station, signal receiving means at a receiving station including printing apparatus, means for retransmitting a received signal combination from the receiving station to the transmitting station, means at the transmitting station for receiving and comparing the re-transmitted signal combination with the original signal combination, and means for controlling the operation of the printing apparatus in accordance with the results of said comparison, comprising means at the transmitting station for sending a non-print signal combination when the compared signals differ, said non-print signal combination com-



prising a transmitted carrier wave element and a signal element consisting of a period of non-transmission in sequence, said control means including a first relay operative by said transmitted signal element so as to open the printing circuit and a second relay operative by said signal element comprising a non-tranmission period and also operative by interference waves so as to close the printing circuit, the arrangement being such that interference waves received during the reception period for said carrier wave element and also during said non-transmission period will be ineffective to actuate the preventing means.

2,354,535
ELECTRICAL PROSPECTING
Gary Muffly, Penn Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application October 11, 1940, Serial No. 360,851
22 Claims. (Cl. 175—182)

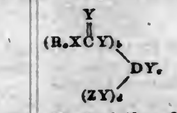


8. A method of locating electrically non-linear earth stratum interfaces comprising passing alternating current of a single frequency through the earth, exploring for at least one harmonic of said frequency generated by passage of said current through an interface and selectively detecting said harmonic.

12. A method of locating a stratum interface having non-linear electrical impedance characteristics comprising passing two alternating currents of different frequency through the earth, exploring for at least one side band resulting from modulation of one of said frequencies by the other in passing through an interface and selectively detecting said side band.

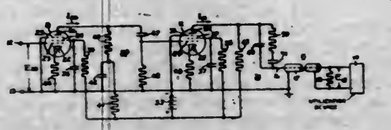
2,354,536
LUBRICATING OIL COMPOSITION
Joseph F. Nelson, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 2, 1941, Serial No. 372,893
9 Claims. (Cl. 252—48)

1. An improved lubricating composition which comprises a mineral oil lubricant and between 0.05% and 2% of a compound of formula



in which R is a radical of the class consisting of hydrogen and organic radicals, X is an element of the class consisting of oxygen, sulfur and nitrogen, Y is an element of the class consisting of oxygen and sulfur, D is an element of the class consisting of phosphorus, arsenic, antimony and bismuth, Z is a grouping selected from the class if metals, monovalent organic radicals and onium bases; and the subscripts, *a*, *b*, *c* and *d* have numerical values in accordance with valency requirements.

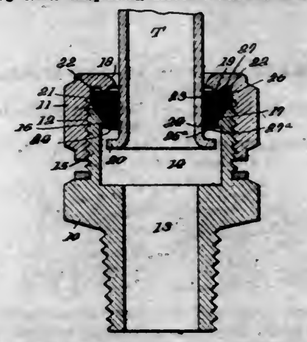
2,354,537
WIDE BAND COUPLING FOR TRANSMISSION LINES
Donald E. Norgaard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 17, 1943, Serial No. 479,412
4 Claims. (Cl. 179—171)



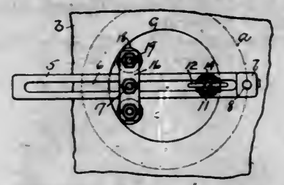
4. A transmission line coupling apparatus for transferring alternating current wave energy within a wide band of frequencies comprising a low impedance transmission line and a terminating resistance therefor, an electronic amplifier at the input of said transmission line including a shunt resistance having a coupling capacity shunted by a second resistance, an electronic amplifier connected across said terminating resistance and having an output network comprising a shunt output resistance and a capacity shunting a portion of said output resistance, said coupling capacity, said shunt resistance, said second resistance and said terminating resistance being proportioned relative to said shunt capacity and said output resistance and said portion thereof to attenuate low frequency currents in said band, and said output resistance and said portion thereof and said shunt capacity being proportioned to accentuate said low frequency current to produce linear transmission at all frequencies in said band.

2,354,538
TUBE COUPLING
Arthur L. Parker, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application September 27, 1940, Serial No. 358,714
3 Claims. (Cl. 285—90)

1. A coupling for tubes comprising a pair of connected coupling members, an elastic packing disposed within said coupling members and surrounding and serving to flexibly and elastically hold the tube in said coupling members, means preventing extrusion of said packing from between the tube and said coupling members during normal stresses due to vibration whereby to prevent failure of the coupling, and means providing a rib portion extending inwardly toward the tube and disposed intermediate the extremities of said packing so as to be imbedded in the packing, and the tube having an outwardly flared end maintained by the packing out of contact with the coupling members and having an external diameter substantially equal to but not greater than the internal diameter of said rib portion whereby to further prevent extrusion of the packing when the tube is subjected to excessive longitudinal pulling strains.



2,354,539
SCRIBING INSTRUMENT
Murray Passick, Hartford, and Francois Ouellette, Wilson, Conn.
Application May 21, 1943, Serial No. 487,922
5 Claims. (Cl. 33—42)



1. A scribing tool comprising a stock, a scriber mounted on said stock, guiding and supporting elements movably mounted on and with said stock during the operation of scribing a line on a piece of material and comprising at least three bearing points relatively triangularly arranged for movable support of said stock within a hole around which a circular mark is to be made to effect substantially undeviating circular movement of said scriber, and means for securing said elements in position.

2,354,540
PROCESS FOR THE PRODUCTION OF PHYSIOLOGICALLY INERT OILS
Edward B. Peck, Elizabeth, N. J., assignor, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware
Application October 31, 1940, Serial No. 363,643
5 Claims. (Cl. 260—449.6)

1. The process for the production of highly paraffinic hydrocarbon oils of high boiling point

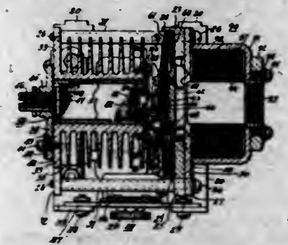
which comprises passing two volumes of hydrogen with one volume of carbon monoxide over a skeleton alloy catalyst consisting of nickel and 5–20% cobalt with reference to the nickel at a temperature between 360° F. and 500° F., and at a pressure in the range from about atmospheric to about 20 atmospheres, segregating normally liquid hydrocarbons boiling about 400° F. and further purifying the same.

2,354,541
SUGAR BEET SEED DRILL AND FERTILIZER ATTACHMENT
Henry H. Radde and William A. Radde, Bay City, Mich.
Application August 13, 1941, Serial No. 406,678
4 Claims. (Cl. 111—59)



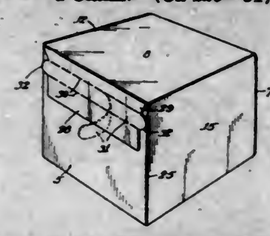
1. A seed drill and fertilizer attachment comprising a main frame, supporting wheels for said frame, a fertilizer distributer supporting frame hung below said main frame, means for raising and lowering said second mentioned frame, means for actuating said distributer, means for controlling said last mentioned means, a seeder means located in the rear of said fertilizer distributer, a seeder means supporting frame hung below said distributer supporting frame, a scraper carried by the forward end of said last mentioned frame, trench-forming discs located between said scraper and fertilizer distributer, and a covering element located in the rear of said seeder means.

2,354,542
GENERATOR REGULATOR
William J. Rady, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 24, 1942, Serial No. 455,893
2 Claims. (Cl. 201—51)



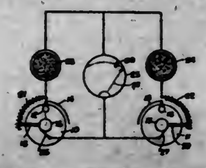
1. A carbon pile regulator comprising juxtaposed carbon discs forming a stack or pile, a housing enclosing the pile, an electrode engaging one end of the pile and fixed relative to one end of the housing, an electrode engaging the other end of the pile and movable relative to the other end of the housing, a frame located adjacent to the last mentioned end of the housing, means extending alongside the housing for securing the frame to the remote first mentioned end of the housing in spaced relation thereto, an electromagnet supported by the frame, an armature cooperating with the electromagnet and attached to the movable electrode, resilient means operatively connected with the frame and with the armature for urging the armature toward the pile, and a member for transmitting motion from the resilient means to the movable electrode adjacent thereto, said member being made of material having such greater temperature coefficient of expansion than that of the material of the means which secures the frame to the first mentioned end of the housing that the elongation of said member compensates for elongation of said securing means.

2,354,543
CARTON
Francis Kenneth Ratcliff, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Illinois
Application May 1, 1941, Serial No. 391,247
1 Claim. (Cl. 229—51)



A carton formed from a foldable paperboard blank cut and scored to provide front, bottom, back and top wall panels, readily releasable means for securing said top wall panel to said front wall panel, an end flap on each of the lateral edges of said top and bottom wall panels, an end wall panel on one lateral edge of said front wall panel, a second end wall panel on the opposite lateral edge of said back wall panel, a tuck flap on each of said end wall panels, each of said tuck flaps being disposed against the inner surface of the wall panel opposite that to which its end wall panel is attached, and a notch at each end of the junction line between said tuck flaps and said end wall panels adapted to engage said end flaps and lockingly engage the same, the forward edges of those end flaps attached to said top wall panel being convexly arcuate to permit said top wall panel to be raised when said securing means has been released, and each of those end flaps attached to said bottom wall panel being tapered along that one of its edges which is adjacent to a tuck flap whereby slight outward bending of said front and back walls adjacent their junction with said end wall panels will allow said notches to be disengaged from said last-mentioned end flaps.

2,354,544
AUTOMATIC EXPOSURE CONTROL
Karl Rath, New York, N. Y.
Application June 10, 1943, Serial No. 490,255
10 Claims. (Cl. 95—10)



10. In exposure control apparatus for a photographic camera having lens aperture and exposure time adjusting means, a current indicator with means to indicate a predetermined current therethrough, a pair of photoelectric cells in

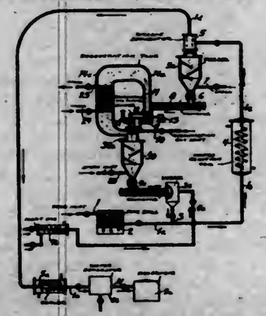
shunt relation and connected to said indicator to produce a combined additive response of said indicator by the currents supplied by said cells, said cells being arranged for simultaneous illumination by light emanating from a photographic scene, control means for individually varying the response current of said photoelectric cells, one of said control means being arranged in positive coupling connection with one of said adjusting means and the other of said control means being arranged in positive coupling connection with the other of said adjusting means.

2,354,545
OPTICAL EXPOSURE METER
Karl Rath, New York, N. Y.
Application July 8, 1943, Serial No. 493,851
6 Claims. (Cl. 88—23)



1. An extinction type exposure meter for determining the stop and exposure time adjusting values for a photographic camera comprising a first member, a second member adjustable relative to said first member, a photometric wedge coextensive with said first member, a scale member coextensive with said second member, said scale member having relatively opaque and transparent portions representing scale numbers for one of said adjusting values and being superimposed upon said wedge, whereby with said wedge being illuminated by light emanating from a photographic scene, the number just barely visible will be indicative of the required respective camera adjustment, and a further scale upon said second member representing the other of said adjusting values and arranged to cooperate with at least one adjusting index upon said first member.

2,354,546
TREATING HYDROCARBON FLUIDS
Edward D. Reeves, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 27, 1941, Serial No. 408,424
11 Claims. (Cl. 196—55)

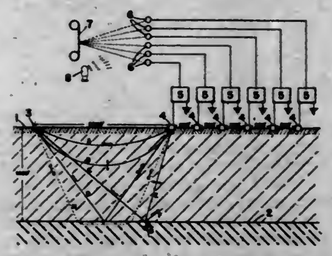


11. A process of converting a relatively heavy hydrocarbon oil containing vaporizable constituents and constituents unvaporizable without substantial decomposition under normal pressure conditions to form lower boiling hydrocarbons which comprises injecting a relatively large amount of solid absorbent catalytic material in powder form into a stream of said heavy hydrocarbon oil, passing the mixture of oil and catalytic material through a cracking zone maintained at active cracking temperature, keeping said oil in contact with said catalytic material within said cracking zone for a period sufficient to completely convert the unvaporizable constituents of said oil into vapors and carbonaceous residue to thereby form a dry suspension of oil vapors and solid material comprising a mixture of catalytic material and solid carbonaceous residue, and separating the solid material from the cracked vapors.

2,354,547
LUBRICATING OIL COMPOSITION
Roger W. Richardson, Baton Rouge, La., and Floyd L. Miller and Carl Winning, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 30, 1941, Serial No. 409,034
9 Claims. (Cl. 252—48)

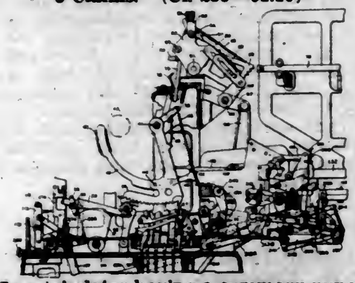
2. A lubricating oil for internal combustion engines comprising a minor proportion of a metal salt of a hydroxy organic compound and a major proportion of a refined mineral lubricating oil base stock capable of imparting a blue to black stain on a bright steel strip which has been immersed in said oil base stock in the absence of addition agents for two hours while the oil temperature was maintained at 425° F., said oil base stock producing substantially no stain on a copper strip when submitted to the standard A. S. T. M. copper strip corrosion test when conducted for one-half hour at a temperature of 212° F.

2,354,548
SEISMIC PROSPECTING
Norman H. Ricker, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 29, 1941, Serial No. 408,774
10 Claims. (Cl. 177—352)



9. A method for the investigation of earth substrata which comprises establishing a disturbance point in the area to be investigated, creating a seismic disturbance at the disturbance point, establishing a reception point for seismic waves at each of a plurality of spaced points removed from the disturbance point but sufficiently close to this point to receive energy from said disturbance, and receiving at each reception point and recording as a function of time, shear waves generated by the reflection of a compressional wave from reflecting layers in said earth substrata.

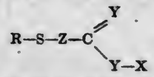
2,354,549
CARD CONTROLLED MECHANISM
Arthur G. Rindfleisch, Cincinnati, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application January 27, 1940, Serial No. 315,916
3 Claims. (Cl. 235—61.10)



1. In a tabulator having a summary punch associated therewith, the tabulator provided with a total accumulator and a grand total accumulator as well as with a total shaft and means to enter major and minor designative data into the total accumulator and means to transfer said major and minor designative data to the grand total accumulator during a certain total taking operation and means to print said designative data, the combination of means for transmitting said major and minor designative data to said punch each time the total shaft is operated, disabling means associated with the transferring means and adapted, when operated after its first step, to prevent the grand total accumulator from receiving transferred designative data, and means operated by the total shaft to move said disabling means progressively to effective position by successive operations of said total shaft.

2,354,550
LUBRICANT
Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 7, 1940, Serial No. 360,127
16 Claims. (Cl. 252—35)

1. A lubricant comprising a major portion of a mineral lubricating oil and a small amount of a compound having the general formula



where R is an aliphatic hydrocarbon radical and Z represents a hydrocarbon radical selected from the class consisting of aliphatic and naphthenic radicals, both R and Z being linked to the sulfur atom by carbon bonds and having a total of more than 6 carbon atoms, Y is an element of the group comprising oxygen and sulfur, and X is a substituent which by hydrolysis of the compound is replaced by hydrogen.

2,354,551
ELECTROMAGNETIC APPARATUS AND METHOD OF MAKING THE SAME
Marion B. Sawyer, Los Angeles, Calif., assignor to Sawyer Electrical Mfg. Co., Los Angeles, Calif., a corporation of California
Application April 5, 1941, Serial No. 386,970
4 Claims. (Cl. 171—252)

1. The method of making a dynamo-electric machine stator, comprising stamping like core lamination rings having slots open on the outside to receive the magnet windings and having the teeth on the inside temporarily integrally joined together, assembling a plurality of said lamina-

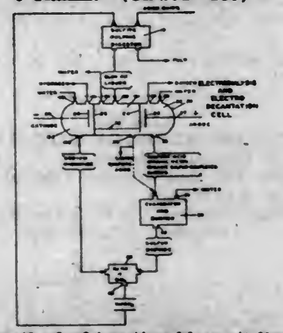


tions to provide a core, inserting a winding in said slots from the outside, impregnating the stator with a di-electric insulating material to secure the same together, and thereafter permanently separating the teeth on the inside.

2,354,552
COLOR PHOTOGRAPHIC IMAGE
Wilhelm Schneider and Alfred Fröhlich, Dessau, and Walter Zeh, Wolfen, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 17, 1942, Serial No. 431,262. In Germany August 8, 1940
9 Claims. (Cl. 95—6)

1. A silver halide emulsion for color forming development containing as the dyestuff former for red a soluble salt of 1-phenyl-5-pyrazolone containing in its molecule at least one water-solubilizing acid group aliphatically linked to said phenyl radical and at least one radical producing fastness to diffusion linked to said pyrazolone ring in 3-position.

2,354,553
METHOD OF RECOVERING CONSTITUENTS OF WASTE SULPHITE LIQUOR
Daniel L. Sherk, Cloquet, Minn.
Application January 10, 1940, Serial No. 313,221
6 Claims. (Cl. 204—130)

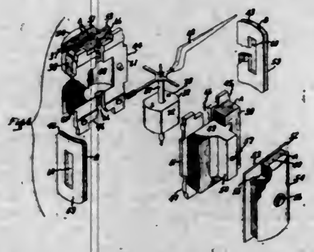


2. The method of treating blow pit liquor from sulphite wood pulping to recover basic constituents and sulphur constituents in concentrated form for direct reuse in preparing fresh sulphite cooking liquor which comprises introducing the blow pit liquor into an electrodialysis cell having a plurality of permeable-membrane-separated compartments, passing an electric current through the cell from one compartment to another whereby in one compartment the basic constituents of the blow pit liquor are separated and concentrated in basic hydroxide form, and in another compartment, sulphur constituents are concentrated as sulphur compounds, and separately removing the concentrated basic hydroxide and concentrated sulphur compounds.

2,354,554
PROCESS FOR PREPARING DERIVATIVES OF ACID SLUDGES
Jere C. Showalter, Goose Creek, and Mehemet Wiggen, Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application September 1, 1939, Serial No. 293,050. Divided and this application December 31, 1941, Serial No. 425,036
6 Claims. (Cl. 196—34)

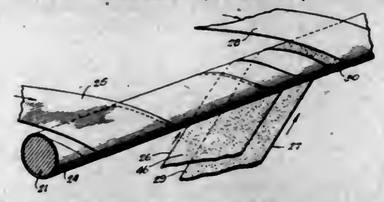
1. A process of preparing derivatives of an acid sludge which comprises treating with water an acid sludge obtained by contacting cracked hydrocarbon naphthas with sulfuric acid to form a layer of aqueous acid solution and an oily layer, removing an aqueous acid solution, treating the oily layer with a liquefied normally gaseous hydrocarbon to form a precipitate, separating the precipitate from the remaining liquid, distilling the remaining liquid to separate the hydrocarbons boiling below about 650° F. from a residual bottom fraction, dissolving the residual bottom fraction in a volatile hydrocarbon oil, treating the resulting solution with sulfuric acid, separating the sulfuric acid sludge formed thereby and contacting the residual solution with clay, separating the clay from the residual solution and distilling off the volatile hydrocarbon oil from said solution.

2,354,555
TEMPERATURE INDICATOR
Frederick R. Sias, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application November 9, 1942, Serial No. 465,079
10 Claims. (Cl. 171—95)



1. A compact current-responsive device comprising a cylindrical enclosure, a current conducting winding fitted closely into said enclosure and a magnetic rotor mounted within the winding substantially concentrically with said cylindrical enclosure with an axis of rotation substantially coincident with the axis of the cylindrical enclosure and magnetized transversely to such axis, said winding comprising four winding forms and four coils wound thereon, the winding forms having cores which are substantially segments of a cylinder and the coils being built up to form a winding of stepped cross-section largely filling the said cylindrical enclosure, the cores being hollow and the four coils being fitted together with coincident magnetic axes transverse to and substantially intersecting the axis of rotation of the said rotor whereby the winding forms when fitted together form a cylindrical recess for the said rotor.

2,354,556
METHOD OF FORMING LAMINATED TUBULAR BODIES
William F. Stahl, Evanston, Ill.
Application June 9, 1941, Serial No. 397,198
4 Claims. (Cl. 93—94)



1. A method of forming laminated tubular bodies comprising, providing a tubular base, spirally winding a thin sheet of metal foil about the base with the edges of metal foil in over-lapping relation forming a substantially complete covering for the outside surface of the base, spirally winding a plurality of thin sheets of non-conducting material about the metal foil in overlapping relation with each other and secured to each other, the innermost sheet being secured to the outer surface of the metal foil, spirally winding a thin sheet of metal foil about said nonconducting material and securing the foil thereto, and simultaneously winding at least one protective sheet about the outer layer of foil, removing the base, and removing the outer protective sheet.

2,354,557
METHOD OF MAKING STOCKING TOPS
Eugene St. Pierre and Donat H. Fregeolle, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application August 1, 1942, Serial No. 453,260
1 Claim. (Cl. 66—1)

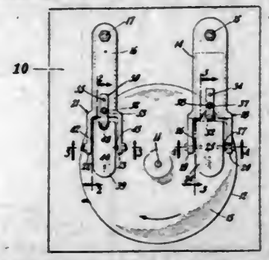


A method of making a stocking top including the steps of knitting one yarn by drawing it into knitted stitches over the throats of the sinkers at each wale in alternate courses of the fabric and knitting a second smaller yarn by drawing it into knitted stitches at alternate wales in intermediate courses while floating it over intermediate wales in such a way that the sinker loops are looser than the corresponding sinker loops of the other yarn and then turning the fabric inwardly and sewing the upper edge to the lower edge to form a turned or double welt having a ribbed appearance both on the inside and outside.

2,354,558
STYLUS HEAD MOUNTING FOR DICTATING MACHINES
Lincoln Thompson, Cheshire, Conn., assignor to The SoundScriber Corporation, New Haven, Conn., a corporation of Connecticut
Application October 29, 1942, Serial No. 463,791
8 Claims. (Cl. 274—24)

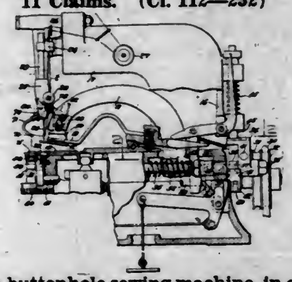
1. In a phonograph, a driven turntable, a disk record supported thereon, an arm swingable in

a plane parallel to said record, the free end of said arm being forked, a stylus carrying head pivotally mounted substantially at its longitudinal center of gravity in the forked end of said arm for swinging movement over said disk record, and spring means for symmetrically con-



necting said arm to the transverse center of the rear of said head for urging the stylus of said head against the surface of said record, whereby the effect of gravity upon said head will be eliminated and said stylus will engage the record with constant pressure at all times.

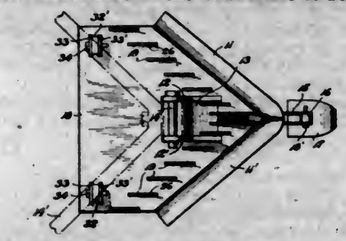
2,354,559
BUTTONHOLE SEWING MACHINE
David B. Thornton, West Newton, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application January 8, 1943, Serial No. 471,641
11 Claims. (Cl. 112—252)



1. In a buttonhole sewing machine, in combination, stitch-forming mechanism including a needle carrying a needle thread, a lever carrying a buttonhole cutter, means for moving said lever alternately in opposite directions to cause said cutter to cut a buttonhole slit and then retract the same, a pick-up for the needle thread, and means carried by said lever for engaging and operating said pick-up, said operating means idly passing said pick-up during the cutting movement of said lever but acting during the retracting movement thereof to cause movement of said pick-up first into thread receiving position and then into thread pick-up position.

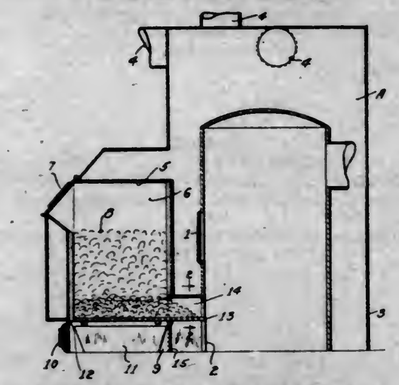
2,354,560
SCARIFIER
Elmo K. Troup, Miami, Fla.
Application May 7, 1943, Serial No. 486,065
16 Claims. (Cl. 262—8)

2. In a scarifier, a horizontally disposed bed frame, a series of socket members secured in the under side of said bed frame, and means for reinforcing said socket members comprising an elongated bar secured to the under side of the bed frame and to the adjacent portions of the socket members, said bar having a series of rearwardly projecting members secured to the bar and also the under side of the bed frame to reinforce



the bar against displacement and to distribute the thrust throughout a greater area of the bed frame.

2,354,561
FURNACE RECONSTRUCTION
Neal Van Hoose, Belleville, and Robert J. Harding, East St. Louis, Ill.
Application July 14, 1941, Serial No. 402,274
1 Claim. (Cl. 110—38)

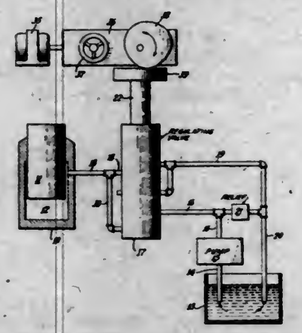


In a heating device of the kind described, comprising a pair of heaters each having enclosing walls and only the forward of said heaters being provided with a substantially horizontal perforate grate forming, together with the enclosing wall of said heater, a fuel chamber above the grate and an ash receptacle below the grate, a conduit leading into the rear heater from both the fuel chamber and ash receptacle of said forward heater and being substantially coextensive with the width of the grate, said grate extending into said conduit, and a lower wall portion swingingly movably supported immediately below said grate and positioned across said conduit.

2,354,562
HYDRAULIC TESTING MACHINE
Albert E. Webb, Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application July 6, 1940, Serial No. 344,221
6 Claims. (Cl. 265—14)

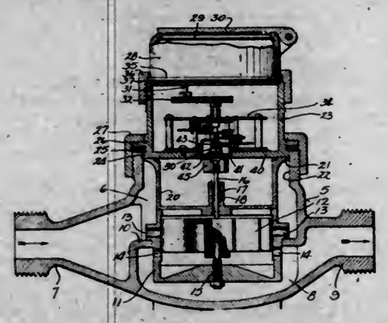
1. A testing machine comprising a pressure responsive plunger in a cylinder imparting stress to a specimen to be tested, a supply of fluid under pressure and a sump for the expended fluid, means including a control valve having a cylinder, a piston valve moving in the cylinder, a load spring for moving said piston valve in one direction, means for admitting liquid from the

testing machine cylinder to the side of the piston valve opposite said spring for moving said piston valve in the other direction in response to pressure in said testing machine cylinder, means for imparting a predetermined pressure upon said spring, said piston valve having ports constructed and arranged in its lowermost position to shut off all connection of the testing machine cylinder to fluid supply or sump and



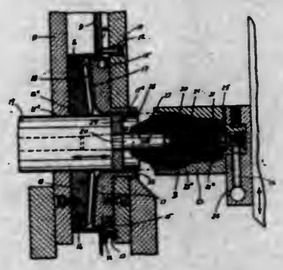
to short circuit the supply of fluid under pressure to the sump and in an intermediate position to afford communication between the supply of fluid under pressure and said testing machine cylinder and in the upper position between sump and said testing machine cylinder and a spring of less strength than the load spring for moving said piston valve from said first position to said third position when pressure on the load spring is released.

2,354,563
MAGNETIC DRIVE
Frank W. E. Weisse, Corpus Christi, Tex., assignor to Badger Meter Mfg. Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 26, 1940, Serial No. 331,828
9 Claims. (Cl. 73—272)



1. A magnetic drive comprising the combination of a magnet element and a keeper element, whereof at least one of said elements is a disk-shaped member substantially circular in outline mounted for rotation upon its axis and having one of its ends provided with a substantially unbroken surface except where traversed by a single transverse groove defining separate pole portions of said member.

2,354,564
SHEET PULP CONTAINER MALE DIE APPARATUS
Lee M. Wiley, Marion, Ind., assignor of one-third to Julian T. Lett and one-third to Reeley B. Wiley, both of Marion, Ind.
Application May 27, 1942, Serial No. 444,672
7 Claims. (Cl. 18—45)

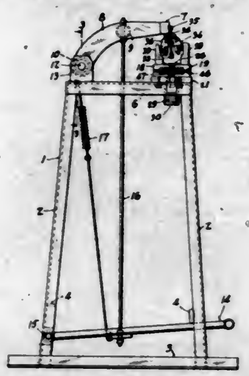


6. In a die structure comprising a substantially closed end female die adapted to receive a cup-like, pressure moldable product, and a male die supported at one end by a male die support and with the product between the dies, said male die comprising a body portion supported at one end by said support and the end opposite the supported end being free and of pressure molding type and laterally expansible incident to the application of axial pressure thereto after insertion into the female die, and a rubber-like sheath telescopically mounted upon the body portion and peripherally enveloping the same and the female die received free end of the male die, the internal peripheral dimensions of said sheath normally being slightly smaller than the external peripheral dimensions of the body portion when not expanded, said sheath having a sufficient inherent elasticity for self-retention upon the male die body portion and for expanding therewith, the male die support at its junction with the male die having a cross-sectional area appreciably less than that of the male die at that junction, whereby the male die at that junction forms a shoulder, said sheath having its open end positioned upon said shoulder and defined by a slightly reenforced edge, said expansible die being of so-called solid rubber type, said sheath closely conforming to the surface thereof for the protection of the product in all stages of die expansion, said sheath being of a rubber-like material other than that of the so-called solid rubber type and which will not contaminate the interior surface of the pressure moldable product.

2,354,565
ISOMERIZATION OF NORMAL PARAFFINS
John E. Wood, III, Baton Rouge, La., and Charles S. Lynch, Plainfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 6, 1941, Serial No. 409,834
10 Claims. (Cl. 260—683.5)

1. A process which comprises reacting at least one normal paraffin containing at least 4 carbon atoms per molecule under isomerization reaction conditions in the presence of a catalyst selected from the group consisting of admixtures of SO_3 with HF in molar excess of the SO_3, SO_3 with BF_3, and SO_3 with BF_3 and with HF in molar excess of the SO_3.

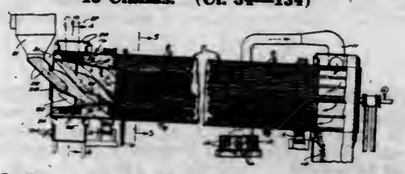
2,354,566
BENDING MACHINE
Lloyd Yost, Los Angeles, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application July 10, 1941, Serial No. 401,869
13 Claims. (Cl. 93—1)



1. In a bending machine, a die, a punch movable in substantially a straight line after entering the die, a member for driving the punch constrained to move in substantially a circular arc toward or away from the die, and a laterally flexible member between the punch and its driving member secured to both.

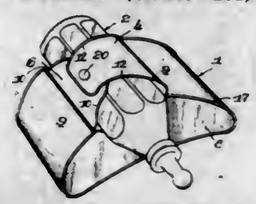
7. A sheet bending machine comprising a pair of relatively fixed die segments providing a slot therebetween, a punch disposed to enter said slot to bend the sheet into a U shape, side forming devices carried by the punch and disposed on opposite sides thereof, resilient means biasing said devices outwardly away from one another, and stationary cams engaged by said devices as the punch moves into the die to move said devices toward one another to effect the inward folding of the longitudinal edges of the blank.

2,354,567
MATERIAL FEEDING AND VAPOR REMOVING MECHANISM FOR ROTARY DRIERS
John B. Adt, Baltimore, Md.; Dorothy De Witt Adt, executrix of said John B. Adt, deceased, assignor, by mesne assignments, to The John B. Adt Co., Baltimore, Md., a corporation of Maryland
Application December 11, 1941, Serial No. 422,494
15 Claims. (Cl. 34—134)



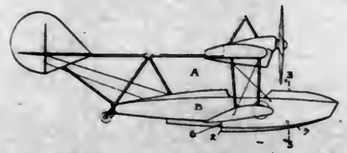
15. In a drier including a cylinder through which the material passes to be dried, said cylinder having openings at its receiving end, a casing surrounding said openings, an inner tubular member at the receiving end of the cylinder, said member extending into said cylinder and inwardly beyond said openings, means for feeding the material to be dried through said tubular member and into the cylinder, means for exhausting the vapors around the outside of said tubular member and through said openings in the cylinder and into said casing, screens covering the openings in said cylinder of such mesh as to permit passage of the vapors but to prevent passage of the material to be dried and flights carried by said tubular member between the outer surface thereof and the inner surface of the cylinder for returning to the part of the cylinder at the inner end of said tubular member such material carried along by the vapors.

2,354,568
BOTTLEHOLDER
Paul E. Allen, Skokie, Ill.
Application November 27, 1942, Serial No. 467,127
3 Claims. (Cl. 248—104)



1. A bottle holder for nursing bottles comprising a hollow bag-like member formed of a plurality of preformed sections of flexible fabric joined together to form a container adapted to receive a yieldable filler for conforming to a surface on which the holder is placed and to retain the bottle in a position for nursing an infant, said sections including a pair of end and base sections having their adjoining ends in overlapping relation to form a closure, a pair of sections to provide spaced, opposite sides of the member, a central section forming a depressed portion for receiving the bottle, and a pair of flaps secured between the adjacent ends of the central section and the two end and base sections and combining with the central section for encompassing the bottle and retaining it in position in the holder, the closure providing an opening for ready access to the interior of the bag-like container for insertion, removal or displacement of the yieldable filler, and means for connecting these overlapping ends for closing the opening.

2,354,569
HULL
Lois F. Beard, St. Petersburg, Fla.
Application December 12, 1941, Serial No. 422,777
2 Claims. (Cl. 114—66.5)



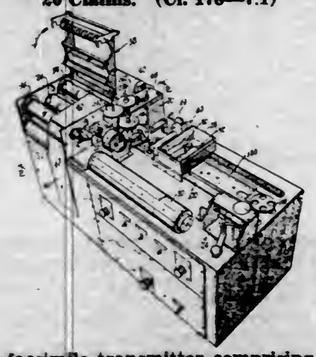
1. A hull having a step at its bottom, the latter rising forwardly of said step and also rising aft from the step, the bottom being further provided with a channel located approximately at the longitudinal center thereof and opening through the forward rise of said bottom and also opening aft through the step, and planing areas created along the rise at opposite sides of the channel to effect a two point contact of the bottom with water only at high speed operation, the said planing areas being inclined outwardly and upwardly from the said channel.

2,354,570
PROCESS OF INCREASING PERMEABILITY OF SANDS AND STRATA
Charles Height Beneckenstein, Vinton, La.
Application March 28, 1941, Serial No. 385,764
7 Claims. (Cl. 166—21)



1. Method of increasing the permeability of a gas or oil bearing stratum by attrition comprising forcing through passages in said stratum a column of liquid charged with abrasive particles, and repetitively reversing the direction of flow of said column of liquid through said passages.

2,354,571
FACSIMILE APPARATUS
Albert Blain, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1942, Serial No. 464,094
20 Claims. (Cl. 178—7.1)

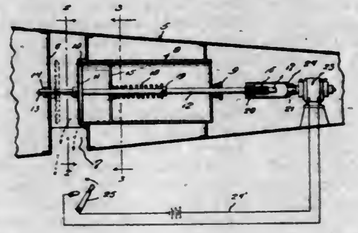


1. A facsimile transmitter comprising a scanning drum and a scanner head, means for rotating the scanning drum at a predetermined speed, means for moving the scanner head in one direction at a relatively slow rate of speed along the scanning drum in a direction parallel to the axis of rotation of the scanning drum thereby to scan a predetermined distance along the drum, means for moving the scanner head in the opposite direction at a relatively fast rate of speed after the scanner head has moved a predetermined distance in said one direction, adjustable mechanical means for determining the distance scanned along the drum, means for repeating the scanning operation a predetermined adjustable number of times, and means for discontinuing the scanning operation after the predetermined number of scanning operations have been performed.

2,354,572
PROCESS OF PRODUCING SURFACE COVERINGS CONTAINING OXYGEN-CONVERTIBLE SYNTHETIC RESINS
Theodore F. Bradley, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 31, 1940, Serial No. 338,242
3 Claims. (Cl. 260—22)

1. A process of producing a surface covering composition which comprises heating with mechanical agitation in the presence of oxygen a siccative binder containing an oxygen-convertible alkyd resin until the binder becomes very viscous, mixing the viscous binder with filler, sheeting the resulting mixture and subjecting the sheeted mixture to polymerization conditions to effect the final hardening and cure.

2,354,573
FUEL TANK
William C. Brock, Glen Morgan, W. Va.
Application April 21, 1943, Serial No. 483,964
2 Claims. (Cl. 244—135)



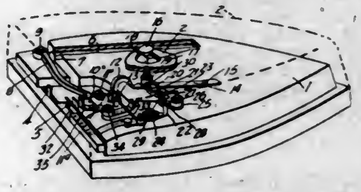
1. In combination with a vehicle body having an opening in a lower wall thereof, a horizontally arranged fuel tank mounted in the body and having one end fully open and located adjacent to and in a plane above said opening and shaped to provide a valve seat, a valve element for the seat and movable away from the tank to open the latter for the discharge of its contents through the opening, a shaft connected to the valve element and having feed threads, a feed nut meshing with the feed threads, spring means acting to engage the valve element with the seat, means preventing rotation of the shaft and having the shaft slidable relative thereto and providing a fire wall in the body adjacent the opening and the open end of said tank, and means for rotating said nut to move the valve element away from the seat and close to said second mentioned means to provide for an unobstructed flow of the contents of the tank therefrom through the opening of the body.

2,354,574
MOISTUREPROOFED GLASSINE PAPER
Clarence M. Carson, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application August 25, 1942, Serial No. 456,096
1 Claim. (Cl. 117—155)

Glassine paper coated with about six pounds of a transparent, heat-sealable coating per 3,000 square feet, which coating is composed essentially of 100 parts of a copolymer formed of substantially equal parts of vinyl chloride and di-

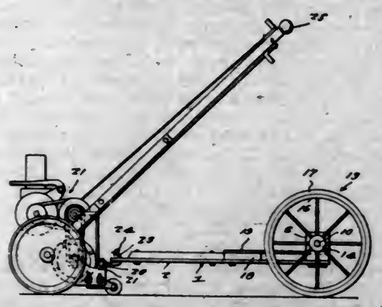
ethyl chloromaleate, 25 parts of polymerized terpene, 25 parts of hydrogenated methyl abietate, 37.5 parts of paraffin, and 25 parts of dibutyl sebacate.

2,354,575
CUTOUT FOR ELECTRIC IRONS
Albert Randolph Cheeseman, Toronto, Ontario, Canada
Application December 23, 1941, Serial No. 424,695
1 Claim. (Cl. 200—137)



In an electric iron or other heated device having a heating element and terminals therefor, a thermostatic switch comprising a spring finger, a crank rod of conducting material mounted in suitable bearings one of which forms one terminal of the element, a crank arm extending from the rod and depressed by the depression of the spring finger to rotate the rod, a pin forming the other terminal of the element, a contact arm also extending from the crank rod to engage the pin and adapted to break contact therewith when the crank rod is rotated by the depression of the spring finger, a spring pressed pivoted latch for engaging the end of the spring finger to hold it in the depressed position, and automatic means for operating the latch to free the finger as the temperature of the element rises to maximum and means for reengaging the latch and finger as the element cools.

2,354,576
LAWN MOWER TRAILER
Lewis Percy Clark, Hampton, N. H.
Application December 12, 1942, Serial No. 468,809
1 Claim. (Cl. 280—33.4)



A trailer for power driven lawn mowers comprising a horizontal frame structure including a longitudinal tongue for attachment to a mower, said frame structure further including a cross member comprising upturned end portions, stationary cones mounted on said upturned end portions, spindles extending through said cones, supporting wheels having hubs journaled on the spindles and the cones, the spindles being endwise adjustable in the cones into different set positions to adjust said hubs toward said cones to take up wear in said hubs.

2,354,577
WETTING AGENT
John Hill Cone, Cedar Bayou, and Albert J. Shmidl, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application June 25, 1943, Serial No. 492,332
2 Claims. (Cl. 260—448)

1. A method for producing a material having wetting characteristics comprising the steps of reacting aluminum chloride-hydrocarbon complex with sulfuric acid at a temperature in the range of 275° F. to 325° F. and subsequently drying the products of said reaction.

2,354,578
METHOD OF MANUFACTURING CERTAIN ACYLATED POLYAMINO ETHERS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application April 3, 1942, Serial No. 437,608
8 Claims. (Cl. 260—404.5)

8. In the method of manufacturing acylated polyaminoethers having at least one ricinoleyl radical and at least two basic amino nitrogen atoms, the step of heating an equimolar mixture of (*a*) an acylated monoaminoalcohol having at least one basic nitrogen atom and at least one ricinoleyl radical; and (*b*), a high molar basic hydroxylated monoamine having at least one hydrocarbon radical containing at least 8 and not more than 32 carbon atoms and at least one member of the class consisting of alkylol radicals and alkylol radicals in which the carbon atom chain is interrupted at least once by oxygen; said heating being conducted at a temperature above 160° C. and below the pyrolytic point of either reactant and for a period of time to insure heteromolecular etherization.

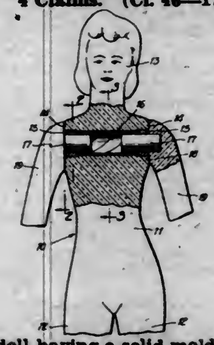
2,354,579
METHOD OF MANUFACTURING CERTAIN ACYLATED POLYAMINO ETHERS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application April 3, 1942, Serial No. 437,609
8 Claims. (Cl. 260—404.5)

8. In the method of manufacturing acylated polyaminoethers having at least two ricinoleyl radicals and at least two amino nitrogen atoms, including at least one basic amino nitrogen atom, the step of heating an equimolar mixture of (*a*) an acylated monoaminoalcohol having at least one basic nitrogen atom and at least one ricinoleyl radical; and (*b*) a substituted monoaminoamide having a ricinoleyl radical; and at least one member of the class consisting of alkylol radicals and alkylol radicals in which the carbon atom chain is interrupted at least once by oxygen; said heating being conducted at a temperature above 160° C. and below the pyrolytic point of either reactant and for a period of time to insure heteromolecular etherization.

2,354,580
METHOD OF MANUFACTURING CERTAIN ACYLATED POLYAMINO ETHERS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application April 3, 1942, Serial No. 437,610
8 Claims. (Cl. 260—404.5)

8. In the method of manufacturing acyl polyaminoethers having at least one ricinoleyl radical and at least two amino nitrogen atoms, including at least one basic amino nitrogen atom, the step of heating a mixture of (*a*) a high molal basic hydroxylated monoamine having at least one hydrocarbon radical containing at least 8 and not more than 32 carbon atoms and at least one member of the class consisting of alkylol radicals and alkylol radicals in which the hydrocarbon chain is interrupted at least once by oxygen; and (*b*) a substituted monoaminoamide having a ricinoleyl radical and at least one member of the class consisting of alkylol radicals and alkylol radicals in which the carbon atom chain is interrupted at least once by oxygen; said heating being conducted at a temperature above 160° C. and below the pyrolytic point of either reactant and for a period of time to insure heteromolecular etherization.

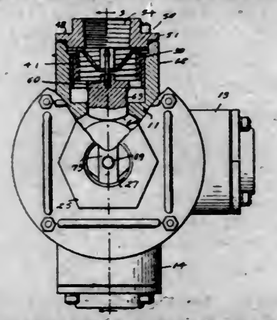
2,354,581
ARM JOINT FOR DOLLS
Jack de Jong, New York, N. Y.
Application March 3, 1943, Serial No. 477,836
4 Claims. (Cl. 46—173)



1. In a doll having a solid molded non-resilient body of a shape simulating the human figure, said body having a bore of substantially uniform diameter, a rigid porous tubular member within the bore and bonded to the walls thereof, one end of the tubular member terminating short of an adjacent end of the bore, a friction collar set into the end of said bore with its inner end abutting the adjacent end of the tubular member and bonded to the walls of said bore, an extremity member, and a round pivot pin carried by the extremity member and being of a diameter slightly greater than the internal diameter of the collar to necessitate the forcible insertion of the pin into said collar to provide a separable joint between the body and the extremity member.

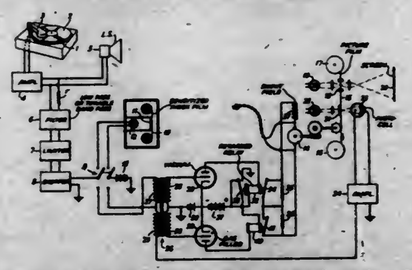
2,354,582
SELECTOR VALVE
George T. Downey, Corry, Pa., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa.
Application March 16, 1943, Serial No. 479,379
9 Claims. (Cl. 251—132)

1. A valve assembly comprising a housing formed of a cylindrical body, a radially arranged cylindrical valve housing extending from said body, front and rear heads for said body, said rear head having an outlet port, means securing said heads to said body, said valve housing being formed with a substantially oval-shaped inner side, a valve cage slidable in said housing and formed with an oval-shaped outer side and a cylindrical inner side, a valve seat carried by the inner end of said housing having a port therethrough, a disc-shaped valve member, radial arms integral with said valve member and said



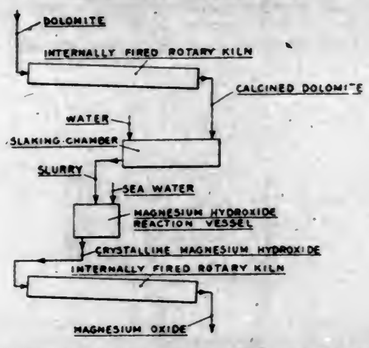
cage, said valve member loosely engageable in said port and having an annular groove, a flange carried by said valve member for engagement with the outer side of said seat to limit the inward movement of said valve member, a spring constantly urging said valve member inwardly, a cam engaging lug carried by said valve member and projecting through said port into said first body, a cam shaft rotatably carried by said heads, and a cam fixed on said cam shaft, rotation of said shaft effecting movement of said cage and valve member to open position.

2,354,583
SYNCHRONIZING SYSTEM
William C. Eddy, Chicago, Ill., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1940, Serial No. 368,099
16 Claims. (Cl. 88—16.2)



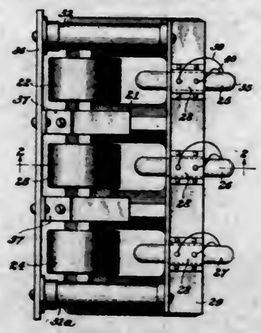
14. A system for maintaining synchronism between a film projector and a related sound scource comprising means for producing variably spaced like markings on the film in response to the occurrence of sound signals of a predetermined frequency in the related sound source, motor means for transporting the film through the projector, means for producing a first series of impulses from the film markings, means for producing a second series of impulses from the related sound source, means for comparing the time relationship of the two series of impulses, and means responsive to said last named means for controlling the speed of the motor means.

2,354,584
MANUFACTURE OF REACTIVE MAGNESIUM OXIDE
Frank Elkington, Sheffield, and Heinz Henry Chesny, Worksop, England
Application February 28, 1940, Serial No. 321,274
In Great Britain May 31, 1939
10 Claims. (Cl. 23—201)



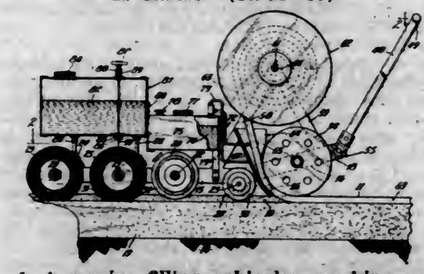
1. A process for the manufacture of reactive magnesium oxide which comprises treating calcined and slaked dolomite with a brine containing convertible magnesium salts to form crystalline magnesium hydroxide, introducing the magnesium hydroxide into an internally fired kiln, passing hot products of combustion through the kiln in contact with the material and at the same time agitating the material, and calcining it at a temperature between 850° and 1000° C., the material being maintained out of contact with the flame.

2,354,585
LOW CAPACITY FILAMENT TRANSFORMER SYSTEM
James Leslie Finch, East Rockaway, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application March 15, 1940, Serial No. 324,035. Divided and this application September 24, 1940, Serial No. 358,160
3 Claims. (Cl. 175—356)



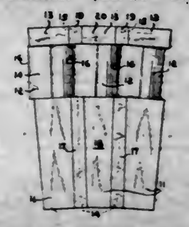
1. A low capacity transformer especially adapted for use with the filament system of a vacuum tube to be used in high frequency circuits comprising a closed laminated core, a primary winding wound on said core, and a secondary winding through which said core passes, the secondary being so spaced from said core and primary that there is relatively small capacity between said secondary and said core and primary, said primary and secondary being arranged in the same plane and having spaced substantially parallel axes, said primary and secondary moreover being arranged to physically encircle different portions of said core.

2,354,586
METHOD OF AND MACHINE FOR TREATING AND LAYING STRIP MATERIAL FROM PACKAGES
Albert C. Fischer, Chicago, Ill.
Application January 26, 1940, Serial No. 315,681
12 Claims. (Cl. 94—39)



1. A crevice filling vehicular machine comprising a frame, means on said frame for holding a length of thermoplastic crevice filler strip in a manner that it is payable out endwise therefrom so a portion of a flight payed out from said holding means is insertable in a section of a crevice to be filled by the strip to provide an anchorage for the strip whereby it is caused to pay out as the machine is advanced along the crevice, guide means on said frame, said guide means being disposed for embracing an unwound section of said strip flight adjacently to the portion inserted in the crevice and in registry with and in close proximity with the crevice for directing the payed out strip into the crevice during such advancement of the machine, means for heating said strip flight to increase its plasticity and thus facilitate the disposal of the strip into said crevice, and means for disposition in registry with the crevice in trailing relation with respect to said guide means and for pressing the heated strip into the crevice pursuant to advance of the machine.

2,354,587
METHOD OF MANUFACTURING TURBINE BLADES
Clarence C. Franck, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 31, 1942, Serial No. 429,025
3 Claims. (Cl. 29—156.8)

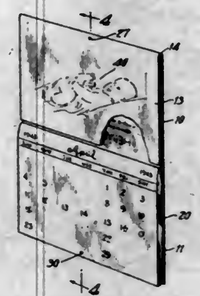


1. The method of manufacturing unitary blade segments comprising providing blades each having integral root, blade and shroud portions and each blade portion having inlet and exit edge portions of thickened or bulbous section such that the section of the blade portion extends beyond the boundaries of the normal blade section having relatively sharp inlet and exit edges; arranging a plurality of said blades to form a segment; welding adjacent edges of the shroud and root portions of each segment; and thereafter machining the thickened inlet and exit edges of the blade portions of each segment to provide edges of desired sharpness.

2,354,588
DYESTUFF
Frank W. Gainey, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application September 30, 1941, Serial No. 413,046
17 Claims. (Cl. 260—208)

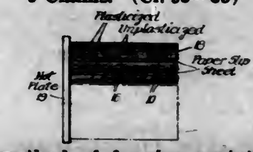
2. A method of improving the dyeing properties of a dischargeable azo dyestuff giving white discharges on reduction and containing, as a result of the manufacture of the dyestuff, impurities which stain materials dyed therewith, which comprises mixing a basic dye mordant with an aqueous solution of the dyestuff, the amount of basic dye mordant not exceeding 20 per cent of the weight of the dyestuff.

2,354,589
CALENDAR AND DIARY
Carl Georgi, South Norwalk, Conn., assignor to Snyder and Black, New York, N. Y.
Application May 11, 1943, Serial No. 486,504
2 Claims. (Cl. 281—15)



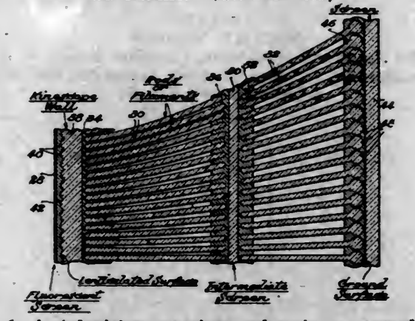
1. A device of the class described comprising a cover formed of a single blank of foldable sheet material, a hinge score extending transversely of the cover midway thereof and dividing the same into a pair of like hingedly connected cover members, a plurality of leaves bound to said cover along said hinge score, an extension integrally connected along a hinge score to each cover member at the outer end thereof, said extensions being adapted to fold inwardly of the respective cover members, either in contact therewith or with one or more of the leaves interposed therebetween, and means for suspending the device from either of its cover members, said last means including alined apertures in each cover member and its respective hinged extension and being disposed adjacent the hinge score therebetween.

2,354,590
CONTAINER AND METHOD OF MANUFACTURE
Paul M. Gilfillan and Irving Gurwick, Mount Vernon, Ohio, assignors to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Original application May 10, 1939, Serial No. 272,860. Divided and this application January 10, 1941, Serial No. 373,966
9 Claims. (Cl. 93—35)



1. The method of forming containers, which comprises adhesively laminating in overall relation a sheet of plasticized transparent rubber hydrochloride to a sheet of unplasticized rubber hydrochloride, placing a section of the laminated material together with a section having an inner unplasticized layer and an outer protective paper layer so that the unplasticized portions thereof are in contact and the plasticized portion and paper layer constitute outside layers, and heat-sealing the edges of the materials.

2,354,591
TELEVISION APPARATUS
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1941, Serial No. 420,914
24 Claims. (Cl. 178—7.5)

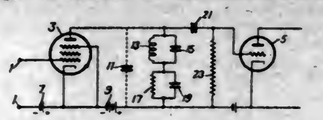


1. A television receiver wherein a complete light image is produced on a television image producing tube including a filamentary image enlarger comprising a multiplicity of stationary light transmitting filaments, said multiplicity of filaments being arranged in a group, the group having the form of a truncated solid and having at each cross section a statistical average of parallelism, and means for positioning the small end of the truncated group of filaments near the source of the produced light image, whereby an enlarged complete light image will be visible at the other end of the group of filaments.

2,354,592
ELECTRICAL NETWORK
Elmer Dudley Goodale, Bayside, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 26, 1942, Serial No. 436,267
5 Claims. (Cl. 179—171)

1. A video amplifier comprising a thermionic amplifier having at least a cathode, control elec-

trode, and an anode, and a load circuit comprising an inductance shunted by a condenser connected in series with a resistance shunted by a condenser connected in the cathode-anode cir-

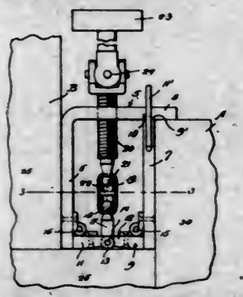


cuit, the values of the inductance, resistance and condensers being such that the impedance of the load circuit remains substantially constant over a wide frequency range.

2,354,593
PLASTIC COMPOSITION
Harold W. Greider, Wyoming, and George A. Fasold, Mount Healthy, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Application July 30, 1941, Serial No. 404,630
14 Claims. (Cl. 106—282)

1. A plastic composition which comprises a plastic binder material and distributed in said binder material at least about 20% by weight of mineral fiber filler which passes a 20 mesh testing sieve and a major proportion of which is retained on a 325 mesh testing sieve and which is graded in size, at least 20% by weight of said mineral fiber being retained on a 100 mesh testing sieve and at least 20% by weight of said mineral fiber passing a 100 mesh testing sieve.

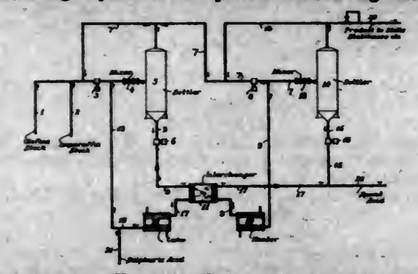
2,354,594
JOGGLE WEDGE
John Raymond Haughton, Carolina Beach, N. C.
Application October 20, 1942, Serial No. 462,768
6 Claims. (Cl. 61—66)



1. In combination with a marine way including groundways having upstanding flange portions, slidable supporting slideways, joggle wedges arranged between the flange portions and the slideways and each including a collapsible wedge frame and manually operated means for collapsing the frame.

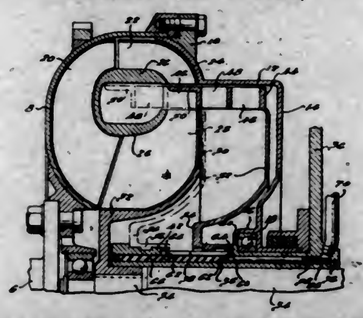
2,354,595
TWO-STAGE ALKYLATION PROCESS
Basil Hopper, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application June 20, 1939, Serial No. 280,121
4 Claims. (Cl. 260—683.4)

4. A process for the production of alkylated hydrocarbons which comprises mixing an olefinic hydrocarbon fraction with an isoparaffinic hydrocarbon, alkylating a portion of the olefins in said mixture in one stage of the process by contacting the mixture with concentrated sulfuric acid, separating the resulting acid phase containing dissolved unreacted olefins from the resulting hydrocarbon phase containing unre-



acted isoparaffin and alkylated hydrocarbons, recirculating a portion of said hydrocarbon phase to said stage, and mixing an isoparaffin mixture comprising another portion of said hydrocarbon phase with said acid phase in a subsequent stage at a temperature higher than that employed in the aforesaid stage so as to alkylate said olefins dissolved therein.

2,354,596
TURBOTRANSMISSION
Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 25, 1940, Serial No. 366,948
8 Claims. (Cl. 74—189.5)

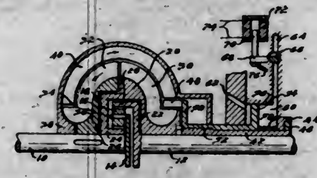


1. In a transmission device for an engine having an ignition circuit, impeller and turbine members cooperating to form a power transmitting fluid circuit, valve means to interrupt the fluid circuit, a mechanical speed change gearing, and inertia means operated by manipulation of the speed change gearing to momentarily interrupt the ignition circuit and to actuate the valve means to interrupt the fluid circuit.

2,354,597
TURBOTRANSMISSION
Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application March 25, 1937, Serial No. 132,925. Divided and this application February 14, 1941, Serial No. 378,841
19 Claims. (Cl. 74—189.5)

1. In a power transmitting device, a driving shaft, a driven shaft, and regenerative power

transmitting means including fluid energizing and energy absorbing means interposed between the driving and driven shafts and comprising planetary gearing operably connected to trans-



mit power to the driven shaft and to redirect power to the driving shaft, and a rotatable housing concentrically mounted on the driving and driven shafts and enclosing said means.

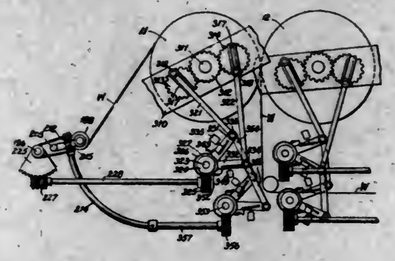
2,354,598
ELECTRIC LIGHTING SET
Clarence R. Janz, Milwaukee, Wis.
Application November 17, 1941, Serial No. 419,491
2 Claims. (Cl. 173—334)



1. In a device of the character described, an elongated hollow body having slots in one end adapted to receive the prongs of a plug connector and a plurality of longitudinally spaced openings in the side walls for the passage of wires, the bottom of the hollow body having a wire receiving opening, the front and rear of the said hollow body having a groove extending the full length of the body interiorly thereof, a pair of connection members mounted within the hollow body, each of the said members including a straight relatively long body strip fitted within and extending the full length of each longitudinal groove in the body and having one end portion bent U-shaped to provide a relatively short parallel contact arm disposed to project inwardly of the body and protrude from the groove to contact the plug prongs, and a series of pairs of wires electrically connected to the body strip in longitudinally spaced relation.

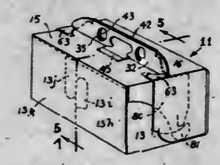
2,354,599
COMPENSATING ROLL DRIVE MECHANISM
John L. Jones, North Billerica, Mass., assignor to Stockton Profile Gauge Corporation, Lowell, Mass., a corporation of Massachusetts
Original application May 5, 1937, Serial No. 140,998, now Patent No. 2,220,737, dated November 5, 1940. Divided and this application September 13, 1940, Serial No. 356,591
10 Claims. (Cl. 271—2.6)

1. A compensator for a moving web which passes over rotary cylinders comprising a roller on the web for displacing the web, a swinging frame supporting the roller, drive means for biasing the roller in the frame, drive means for swinging the frame, separate ratchet means in each of said drive means, a pair of pawls associated with the respective ratchet means adapted selectively to drive the ratchet means in one or the other direction, oscillating means for the ratchets operating the respective ratchets of each pair in opposite directions, means for driving the oscillating means synchronously with said cylin-



ders, means for normally retracting said pawls from their ratchets, and means for selectively forcing the pawls toward engagement.

2,354,600
FOLDING BOX
Murray Kretchmer, New York, N. Y.
Application August 22, 1941, Serial No. 407,920
10 Claims. (Cl. 229—52)



6. A box of the character described, comprising a bottom wall, end walls extending upwardly from said bottom wall, side walls extending upwardly from the sides of said bottom wall, one pair of adjacent ends of said end walls being provided with interlocking tabs adapted to lie against the inner face of one of said side walls, cover sections extending inwardly from said side walls, mutually contacting upstanding handles extending from said cover sections, one of said cover sections being formed with a pair of downwardly extending sections at the ends thereof, hinges connecting said downwardly extending sections with the other pair of adjacent ends of said end walls, and adapted to fold against the inner face of the other of said side walls, said handles extending substantially entirely across the top of said box, and a pair of tabs on said downwardly extending sections adjacent the ends of one of the handles, adapted to interlock the other of said handles, said tabs overlying said other cover, said other cover being formed with slits to receive portions of said tabs, a pair of hooks at the ends of said other cover, said end walls being formed with slits to receive said hooks.

2,354,601
BASEBALL GLOVE
Harry B. Latina, East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application December 14, 1942, Serial No. 468,996
9 Claims. (Cl. 2—19)

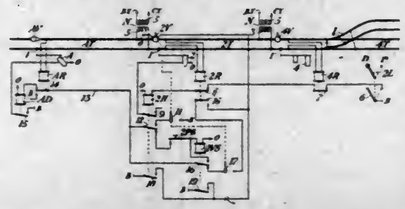
1. A baseball glove whose little finger and/or thumb has combined with same, a flexible member that is attached to the front and rear sides

of said part at points remote from each other, and which extends substantially spirally around



said part, said flexible member being taut and of such length between said points of attachment as to impart an inward twist to said part.

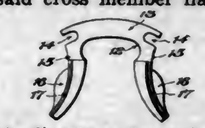
2,354,602
RAILWAY TRAFFIC CONTROLLING APPARATUS
Ronald A. McCann, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 9, 1943, Serial No. 501,641
6 Claims. (Cl. 246—23)



1. In railway traffic controlling apparatus for a stretch of railway track divided into a first section and an approach section, including a signal and a train stop for governing traffic movements from said approach section into said first section, including a first relay responsive to traffic in said first section, including an approach relay responsive to traffic in said approach section, and including a signal relay controlled by said first relay and by a manual control device for controlling said signal, the combination comprising, a stick relay, a second manual control device, a pick-up circuit for said stick relay controlled by said second manual control device and by back contacts of said approach and signal relays, a stick circuit for said stick relay controlled by a back contact of said approach relay, circuit means controlled by a front contact of said signal relay in multiple with a front contact of said stick relay for clearing said train stop, and a circuit controlled by back contacts of said stick relay and said first relay and said approach relay for retaining said train stop in the clear condition.

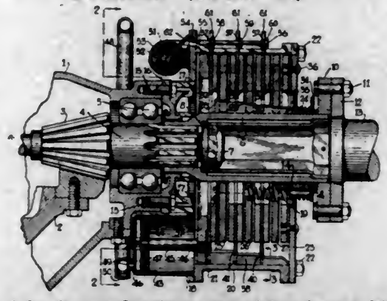
2,354,603
OPHTHALMIC MOUNTING
Robert Malcom, Chicago, Ill., assignor to Chicago Eye Shield Company, a corporation of Illinois
Application June 25, 1941, Serial No. 399,694
2 Claims. (Cl. 88—49)

1. A nosepiece, for adjustable association with the bridge of an ophthalmic mounting, comprising a cross member having a side to abut against a side of the bridge and nose pads depending therefrom, said cross member having slots ex-



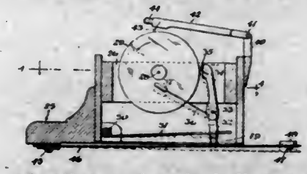
tending longitudinally and opening through the ends thereof for reception of fasteners to hold the nosepiece on the bridge.

2,354,604
DISK BRAKE CONSTRUCTION
George K. Newell, near Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 1, 1942, Serial No. 437,115
16 Claims. (Cl. 188—72)



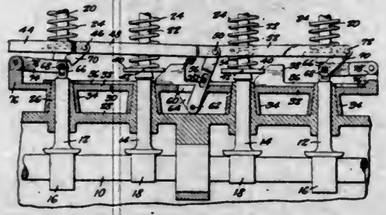
1. A brake mechanism comprising in combination a relatively fixed member, a brake disk movable axially relative to said member to effect an application of brakes, and a plurality of flat spiral torsion springs arranged in spaced relation with respect to the periphery of said disk and each having one end anchored to said member and its other end connected to said brake element and operative to move said element relative to said member to effect a release of brakes.

2,354,605
VIBRATION MOTOR
Fred B. Norman, Brooklyn, N. Y.
Application February 25, 1942, Serial No. 432,263
2 Claims. (Cl. 185—1)



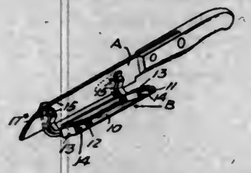
1. A vibration motor, including a frame, a shaft in said frame, a circular member mounted on said shaft, an arm pivoted in said frame and having a depending member, a second arm pivoted to said first arm and having a cog engaging the periphery of said circular member, means connected with the second arm for maintaining said cog in engagement with said circular member, means for limiting the rotation of said circular member to one direction, and a vibratory member fastened at one end to said frame and weighted at the other end engaging said depending member, whereby the vibrations of said vibratory member are transmitted to said cog through the second arm to rotate said circular member.

2,354,606
INTERNAL-COMBUSTION ENGINE VALVE CONTROL
Clarence M. Oertel, Detroit, Mich.
Application July 17, 1942, Serial No. 451,353
2 Claims. (Cl. 74—569)



1. Control mechanism for an engine having a co-axial stem and lifting rod and a coiled compression spring sleeved about the stem, a support member mounted to slide transversely of the axes of the stem and rod, and a pair of transversely spaced wedge cams fixed on the support operative to engage and lift the spring with the stem when the support is in one operative position and to release the spring and stem when said support is moved to its reverse position.

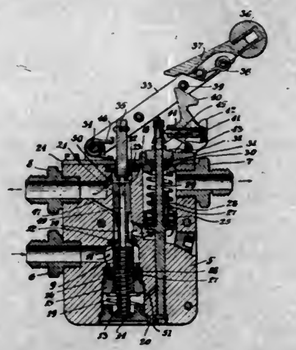
2,354,607
PEELING AND SLICING ATTACHMENT FOR KNIVES
Charles E. O'Neil, Timmins, Ontario, Canada, assignor of twenty-five percent to International Detachable Bits & Equipment Limited, South Porcupine, Ontario, Canada, a company of Ontario, Canada
Application July 5, 1943, Serial No. 493,521
6 Claims. (Cl. 30—284)



1. A peeling and slicing attachment for a knife comprising a pair of clips each having a shank portion and a jaw portion, a guide plate having sleeves connected therewith at each end designed to encircle the shank portion of the clips, said jaw portions extending at an angle to the shank portions, and designed to straddle the knife blade, the lower edge of said guide plate being spaced apart vertically from the plane of the knife blade when said attachment is mounted on the latter.

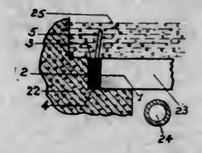
2,354,608
VALVE
Elias Orshansky, Jr., University Heights, Ohio, assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application October 12, 1940, Serial No. 360,887
3 Claims. (Cl. 137—139)

1. A control including in combination a body formed with inlet and outlet openings and with passages and bores connecting said openings, a valve mounted within said body for preventing a flow of fluid from one opening to the other when said valve is in seated position, manually operable means connected to said valve for moving the latter to unseated position and said means including a movable lever, a detent carried by said lever, a pivotally mounted latch supported by said body and cooperable with said detent, a spring-pressed plunger carried by said latch and means for normally urging said latch into detent-engaging position, means disposed within said body and in advance of said outlet opening to shift in response to a change in the rate of flow



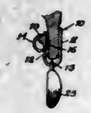
of the fluid emerging from said outlet opening, a rod forming a part of said last named means and a flared sleeve mounted by said rod and adapted to cam past said spring-pressed plunger; said rod and sleeve upon subsequently shifting causing said plunger to move said latch to release the latter from said detent and thereby permit said lever to assume a position at which said valve is in closed position.

2,354,609
DIFFUSION APPARATUS
Charles Albert Phipps, Hartsdale, N. Y.
Application November 15, 1940, Serial No. 365,849
9 Claims. (Cl. 261—122)



1. In apparatus for diffusing a first fluid into a second fluid under pressure, a porous member having an upstream surface subjected to a supply of said first fluid under pressure, and a downstream surface subjected to the second fluid at a lower pressure, for passing said first fluid from the upstream to the downstream surface; means for removably securing said member in place comprising an edge surface of said porous member beveled inwardly toward the downstream surface, a supporting structure having a surface opposite said edge surface and suitably spaced therefrom, and shaped to substantially conform with said edge, a resilient joining composition between said edge and structure and adhering thereto, said composition comprising material selected from the group consisting of latex rubber, dispersed reclaimed rubber and synthetic rubber, said material being admixed with aluminous cement, and said supporting structure providing an abutting surface in contact with said upstream surface of said member adjacent to said edge to support said porous member at times when no pressure is applied to said first fluid.

2,354,610
EAR CLIP
Saul Plosky, New York, N. Y.
Application August 29, 1942, Serial No. 456,615
1 Claim. (Cl. 63—14)



An ear clip comprising a main part formed to provide spaced portions in continuation of each other, an ear-clamping member projecting through an opening in the first of said spaced portions, said ear-clamping member being in the form of a ring and having a radially inwardly extending lug, an arbor on said first portion extending through said lug to mount the ear-clamping member so as to cooperate with the second of said spaced portions to clampingly engage the lobe of the ear, a spring having the opposite ends thereof in engagement with said first spaced portion and the ear-clamping member respectively, said spring constantly urging the ear-clamping member into cooperative position, and said ear-clamping member being engageable with the ear lobe as the latter is brought between said spaced portions and the ear-clamping member under the influence of the spring thereby clamping said lobe with increasing pressure by reason of any downward pull on the clip, and said ear-clamping member being manipulatable to release said member to remove the clip from the lobe.

2,354,611
FIRE EXTINGUISHING APPARATUS
Harry B. Quarfoot, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application June 4, 1943, Serial No. 489,667
15 Claims. (Cl. 169—11)



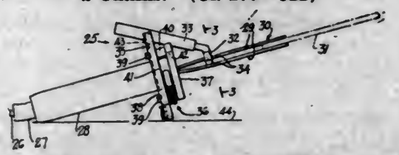
1. A fire extinguishing unit comprising a liquid carbon dioxide supply pipe having an orifice therein for discharge of carbon dioxide therefrom, a bonnet of spiral form in cross section extending partly around said pipe to control flow of carbon dioxide vapor and snow resulting from discharge of liquid carbon dioxide through said orifice, a cover for said orifice to exclude foreign matter therefrom, and yieldable means maintaining said cover normally closed so that it excludes foreign matter from said orifice and so that it may be opened by the pressure of carbon dioxide discharging through said orifice, said cover, when opened, being positioned to cooperate with the bonnet in effecting control of the flow of the carbon dioxide snow and vapor.

2,354,612
POULTRY FEEDER
Frank W. Radford, Oshkosh, Wis., assignor to The Radford Company, Oshkosh, Wis., a corporation of Minnesota
Application July 17, 1943, Serial No. 495,111
3 Claims. (Cl. 119—61)



1. A non-metallic poultry feeder, comprising an open top container formed from connected together wooden sides, wooden ends, and a fiberboard bottom, the sides being of substantial thickness and having their inner faces each formed with a longitudinal, relatively wide concavity which terminates in an abrupt, inwardly projecting, integral retaining lip at the upper margin of a side.

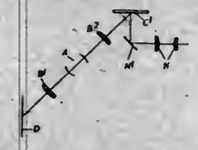
2,354,613
INDICATING DEVICE FOR WELDING MACHINES
Leo Ralkin, Jamaica, N. Y.
Application August 7, 1943, Serial No. 498,026
2 Claims. (Cl. 177—311)



1. A welding rod holding means, comprising an electrically conductive clamp portion and a handle portion at an end thereof, a shield on the handle adjacent to the clamp portion, comprising a pair of spaced plates, at least one of said plates being made of metal, a lamp socket located between the plates, a clamp for detachably mounting the socket on the metallic plate, associated means for engaging one terminal of the socket so as to be adapted to establish contact with the metallic plate, said metallic plate being electrically insulated from the said clamp portion, other means carried by the socket for establishing detachable electrical contact between the clamp portion and the other terminal of the socket, and a lamp engaged with the socket and lying between said plates, the latter being separated to permit emission of light from the lamp, whereby the lamp is protectively housed and is energized only when the metallic plate is contacted with ground to thus complete the circuit to the lamp to indicate the presence of current in the line feeding the said clamp portion.

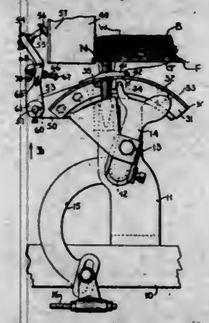
2,354,614
OPTICAL PROJECTION SYSTEM
Richard Edmund Reason, Leicester, England, assignor to Kapella Limited, Leicester, England, a company of Great Britain
Original application June 1, 1938, Serial No. 211,231. Divided and this application June 15, 1939, Serial No. 279,253. In Great Britain September 24, 1937
2 Claims. (Cl. 88—24)

1. Optical projection apparatus, comprising a system of lenses so arranged as to collimate the principal rays in the object and image spaces and having its optical axis so disposed that the ratio between the tangents of the angles made by such axis to the object and image planes is equal to the magnification of the system, a diffus-



ing screen located in the image plane to receive the image, an eyepiece for viewing the image in a direction at right angles to the diffusing screen, and a graticule in the image plane of the eyepiece, whereby the image and the graticule will appear superimposed.

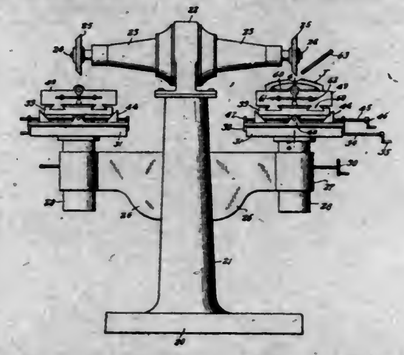
2,354,615
DETECTOR FOR AXMINSTER SELVAGE SHUTTLES
Walter Y. Robb, Whitinsville, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 14, 1942, Serial No. 468,955
20 Claims. (Cl. 139—336)



1. In an Axminster loom having a reciprocating lay and a weft inserting needle which is inserted into the warp shed when the lay is in rear position, a selvage shuttle which has a movement through the weft loop laid by the needle when the latter is inserted into the shed and thereafter returns to a normal stationary position, a detector for the selvage thread in the shuttle, means to present the detector to the shuttle when the latter is in normal stationary position, and signal means brought into action when the weft detector indicates exhaustion of weft in the selvage shuttle.

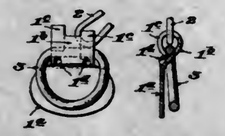
2,354,616
DRESSING MACHINE FOR PIPE WRENCH PARTS
Henry H. Sanders, Nederland, Tex.
Application September 24, 1942, Serial No. 459,467
5 Claims. (Cl. 51—92)

1. In a machine for dressing jaw parts of pipe wrenches and the like, a dressing wheel mounted on a horizontal spindle and having a V-shaped dressing edge; a work table below the dressing wheel having means to adjust it vertically to raise and lower the work; a base member slidably mounted on the table for movement across the plane of the wheel; manual means for adjusting the slidable base: a tiltable base pivotally mounted on the slidable base member having its pivotal axis parallel with the wheel spindle; manually operable means carried by the slidable base and connected to tilt said tiltable base at various angles relative to the plane of the grinding wheel; a work supporting member slidably mounted on the tiltable base to move back and forth under



the grinding wheel in a plane parallel with the pivotal axis of the tiltable base; jaw clamping devices carried by the work supporting member; and a handle on the work supporting member, whereby it may be manually moved back and forth to bring the work into dressing engagement with the wheel.

2,354,617
CATTLE MARKER
William F. Schacht, Huntington, Ind.
Application November 13, 1942, Serial No. 465,498
3 Claims. (Cl. 40—3)



1. A combined cattle marker and halter, comprising an indicia bearing plate having an integral shank extending from its upper edge provided with a pair of spaced tongues bent to form a pair of integral eyes, a halter strap ring hingedly mounted in said eyes, means on the plate resisting opening of the eyes, said shank being offset from the plane of the indicia plate; said resisting means comprising means on the shank opposite said eyes abutting against the outer tips of said bent tongues; said ring normally overlying the back of said plate whereby a downward pull on the ring will clamp the outer tips of the bent tongues between the said means and ring to prevent opening of the eyes.

2,354,618
INDICATOR
Frederick R. Sias, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application November 9, 1942, Serial No. 465,081
3 Claims. (Cl. 171—95)

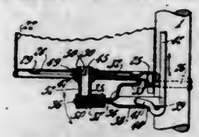
1. An indicator comprising a damping cup composed of electrically conducting material, a hollow shield composed of magnetic permeable material surrounding the cup and spaced therefrom, electrically conducting coils with radial magnetic

axes fitted between the damping cup and the magnetic shield, a rotor rotatably mounted within the damping cup, and electrical connections to the coils whereby variations in the relative current strengths in the coils produce variations



in the resultant direction of the magnetic field produced by the coils and thereby produce a deflection of the rotor, the rotor comprising a magnet magnetized in a direction transverse to its axis of rotation.

2,354,619
VALVE FOR FLOOR WAXERS
Jesse H. Smith, Springfield, Mass.
Application June 21, 1941, Serial No. 399,166
2 Claims. (Cl. 251—125)

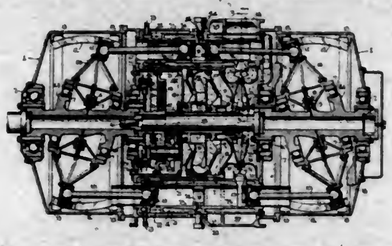


1. A valve for dispensing devices comprising a discharge spout, a spring closure member for said spout formed with a leg perpendicular to the axis of said spout and secured on said spout, a hinge loop at the end of said leg remote from said spout, a second leg substantially parallel to and spaced from said first named leg and overlapping the end of said spout, a portion connecting said hinge loop and said second leg, said second leg being bent upon itself with the bent portion extending beyond said connecting portion and said hinge loop, a resilient pad on said second leg and engaging the discharge end of said spout, and means for manipulating said extended portion to deflect said second leg away from the discharge end of said spout.

2,354,620
FUEL INJECTION TURBINE
John W. Smith, Philadelphia, Pa.
Application January 16, 1940, Serial No. 314,040
4 Claims. (Cl. 60—13)

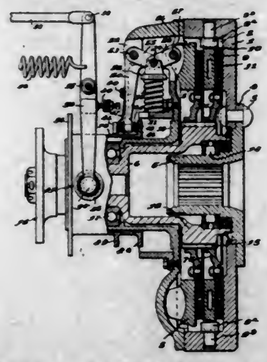
3. In a fuel ignition engine, engine cylinders having air admission ports and exit ports, a compressor supercharging said air admission ports, opposed piston valves in said cylinders one of which controls an air admission port while the other controls an exit port, fuel injecting means, means to actuate said piston valves to establish a constant volume period, and means to regulate the actuating means for the piston valves, while the engine is running, to increase or decrease the constant volume period.

4. In a fuel injection turbine, means to start and complete combustion at a constant volume,



and means to vary the period of constant volume while the turbine is running.

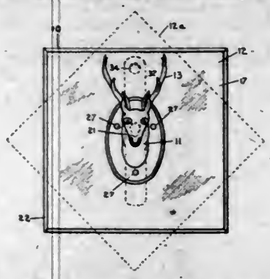
2,354,621
CLUTCH
Charles B. Spase, Nedrow, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application June 2, 1942, Serial No. 445,459
1 Claim. (Cl. 192—98)



In a friction clutch including driving and driven elements, one of which includes an axially shiftable member to engage and disengage the clutch, spring means tending to engage the clutch, and throw-out mechanism including an axially shiftable sleeve rotatable with one of said elements, and levers for transmitting the motion thereof to the shiftable member, the throw-out sleeve being formed with a peripheral shoulder against which like ends of the levers thrust when the clutch is engaged and during the throwing out operation, an annular abutment on the sleeve and opposed to and spaced from said shoulder, the inner ends of the levers being spaced from the abutment, said abutment having notches therein; the combination of springs interposed between the levers and the abutment and bridging the notches and operating to prevent shifting of the sleeve to carry the shoulder away from the inner ends of the levers, and a throw-out yoke having bearings coacting with the sleeve.

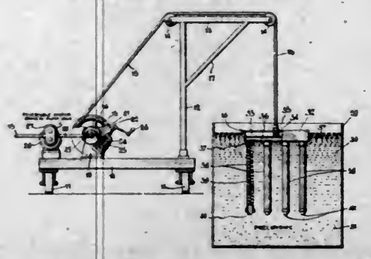
2,354,622
DECORATIVE PLAQUE
Otto Swartz, Toledo, Ohio
Application October 30, 1941, Serial No. 417,172
5 Claims. (Cl. 40—160)

1. A decorative plaque comprising: a decorative element; a base; a hanger and retainer element; and means fixedly connecting the decorative element and the hanger retainer element, said means penetrating said base, whereby the



hanger retainer element and the decorative element may be rotated as a unit independently with relation to the base.

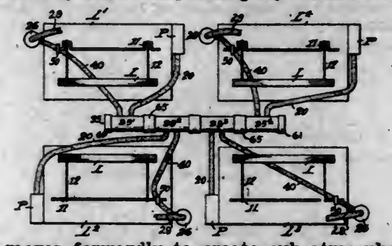
2,354,623
SOLUTION FEEDING OR DECANTING APPARATUS
Chester Tietig, Covington, Ky.
Application August 6, 1941, Serial No. 405,685
6 Claims. (Cl. 210—154)



1. A filtering machine comprising a pump, a reel located adjacent the pump, a crane located adjacent the reel and comprising a roller support arranged at an elevation above the reel, impervious flexible tubing wound upon the reel and extending over the roller support of the crane, a filtering head connected to the lower end of the flexible tubing depending from the crane adapted to be suspended in a liquid, said filtering head comprising an elongated tubular filtering unit composed of pervious flexible material, means for maintaining said unit in radial and longitudinally expanded condition, and means providing communication between the inside of the filtering unit and the tubing, means for rotating the reel to raise or lower the filtering head, and fluid-communicating means connecting said tubing and said pump through said reel.

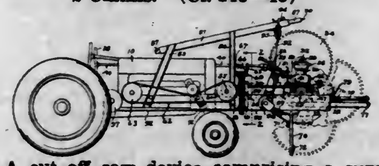
2,354,624
THREAD CONTROL SYSTEM FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 8, 1943, Serial No. 478,329
18 Claims. (Cl. 139—256)

1. In a thread control system for a group of weft replenishing looms operating at different speeds and each loom having a pneumatic thread remover to remove a thread by suction on the backward stroke of the reciprocating lay of the loom subsequent to a replenishing operation, said system comprising a reservoir common to the group of looms, means for each loom pneumatically connected to the common reservoir and operated by the corresponding lay when the lat-



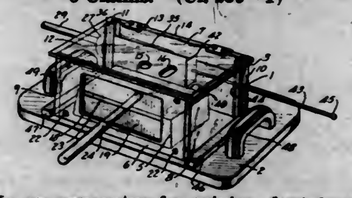
ter moves forwardly to create sub-atmospheric pressures within the reservoir, and a pneumatic connection from the reservoir to each thread remover in the group.

2,354,625
UNIVERSAL POWER SAW
Pierre Van Sickle, Indianapolis, Ind.
Application July 30, 1942, Serial No. 452,895
2 Claims. (Cl. 143—43)



1. A cut-off saw device comprising a support frame; driving means carried on the frame; a rockable frame; means interengaging the rockable frame and the support frame to support and confine the rockable frame to rotation about a horizontal longitudinal axis; a shaft mounted on the rockable frame substantially normal to said axis and transversely thereacross; a saw swing frame; means rockably mounting said swing frame on said shaft entirely to one side of said rockable frame to have its rotative axis in common with the axis of said rockable frame carried shaft; a saw mandrel carried by said swing frame spaced from said shaft and substantially parallel thereto; a saw mounted on the mandrel; driving means between said mandrel and said shaft; driving means between said support frame carried driving means and said rockable frame shaft; means for holding said rockable frame in selected positions of its rotation; and means for swinging said swing frame about its said axis throughout 360 degrees of travel.

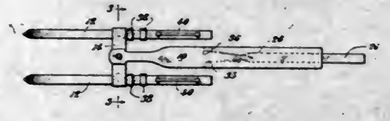
2,354,626
APPARATUS FOR MIXING DENTAL CEMENT
Norton L. Wheeler, Tulsa, Okla.
Application May 20, 1943, Serial No. 487,799
8 Claims. (Cl. 259—1)



1. In an apparatus for mixing dental cement, a mixing slab, a receptacle for enclosing said

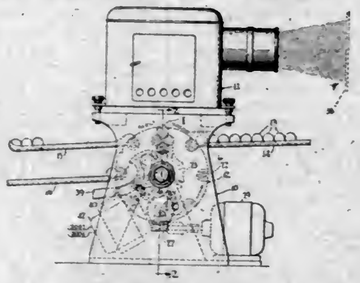
slab, said receptacle having at least one transparent panel for providing a view of the interior of the receptacle, a flexible diaphragm panel in the receptacle, and means extending through the diaphragm into the receptacle for mixing the cement on the mixing slab.

2,354,627
VEHICLE
William H. Wheeler, New York, N. Y.
Application April 25, 1941, Serial No. 390,218
11 Claims. (Cl. 280—16)



5. A vehicle for human beings, said vehicle comprising two independently operable, connected, front runners and only a single rear runner, and a seat supported from said runners, said front runners each being independently rotatable about a vertical axis.

2,354,628
INSPECTION APPARATUS
John C. Whitesell, Jr., Merion, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application February 6, 1942, Serial No. 429,755
13 Claims. (Cl. 88—24)



1. In an apparatus for inspecting articles for surface imperfections and having a reflecting projector provided with an inspection station from which the image of the surface of the article to be inspected is projected, conveying means having spaced supports thereon for a plurality of articles to be inspected, for bodily conveying the articles supported thereby in predetermined order to said inspection station, means effective upon each article reaching said station for rotating it whereby the image of the entire peripheral surface thereof may be projected by said projector, and a common means for driving said conveying means and rotating means.

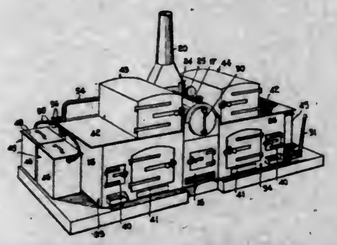
2,354,629
TOP SEAL FOR FLOATING TANK ROOF SIDE WALL SHOES
John H. Wiggins, Chicago, Ill.
Application March 27, 1943, Serial No. 480,868
5 Claims. (Cl. 220—26)

1. A floating tank roof seal, provided with a side wall shoe, a flexible sealing device attached to said shoe and projecting upwardly above the top edge of same, a radially-movable supporting means on said shoe attached to the upper end portion of said sealing device, means for causing said radially-movable supporting means to exert pressure on said sealing device in a direction to hold said device in snug engagement with the



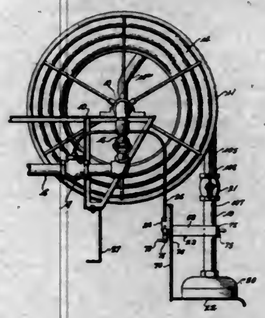
tank side wall at a point above the top edge of said shoe, and a guiding means on said supporting means disposed so as to engage the tank side wall and cause said sealing device to pass safely over offsets, projections, or protuberances on the inner face of the tank side wall during the movement of the shoe over said wall.

2,354,630
STEAM FIELD KITCHEN
Richard Morgan Wiles and James Kenneth Wiles, Adelaide, South Australia, Australia, assignors to themselves and to John Cuthill Wiles and Ivor William Wiles, all of Adelaide, South Australia, Australia
Application October 15, 1940, Serial No. 361,230
In Australia November 13, 1939
2 Claims. (Cl. 126—1)



1. An improved steam field kitchen comprising a casing having sides and end walls, a heating means, a drum in the upper portion thereof, the lower portion forming a chamber adapted to contain said heating means, water tubes located between the heating means and the drum, ovens located in abutting and heat interchanging relation to the sides of said casing, heating means located within each oven, a flue extending from the casing, a flue extending from each oven and a common outlet flue connecting said flues.

2,354,631
FIRE EXTINGUISHER DISCHARGE APPARATUS
Hilding V. Williamson, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application September 28, 1942, Serial No. 460,010
12 Claims. (Cl. 299—79)



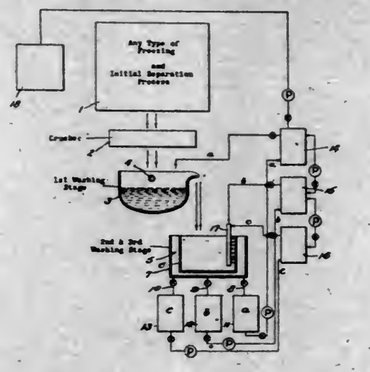
1. Fire extinguisher discharge apparatus comprising a supply pipe for the extinguisher medium, a control valve in said supply pipe, a hose line, having a discharge device at its outer end, connected to the supply pipe, means for releasably supporting and holding the discharge device including a member movable into discharge device releasing and securing positions, means operatively connected to the movable member for assuring full movement of said member into and for holding it in its discharge device releasing and securing positions, and means actuated by said movements of the movable member for effecting opening and closing operations of the control valve.

2,354,632
AROMATIC ETHERS OF 1,3-BUTADIENE-OL-2
Arthur Wolfram, Frankfort-on-the-Main, and Hellmuth Jahn, Beuthen, Upper Silesia, Germany; vested in the Alien Property Custodian
No Drawing. Application July 29, 1941, Serial No. 404,522. In Germany June 6, 1940
4 Claims. (Cl. 260—612)

1. The process of producing aromatic ethers of 1,3-butadiene-ol-2 which comprises reacting monovinyl acetylene upon a phenol at a temperature of about 0° C. in the presence of mercuric oxide as a catalyst.

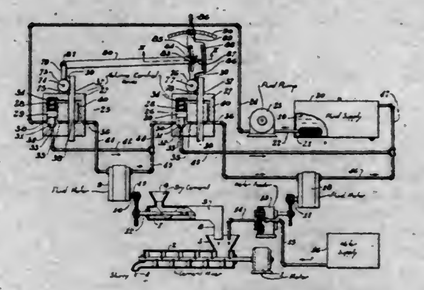
2,354,633
PROCESS FOR PRODUCING FRUIT OR VEGETABLE JUICE CONCENTRATE
Frederick W. Bedford, Dunkirk, N. Y., assignor to Bedford Products, Dunkirk, N. Y., a partnership
Application May 22, 1943, Serial No. 488,080
10 Claims. (Cl. 99—205)

1. Process for recovering the residual concentrate in the ice mass of frozen fruit or vegetable juice following separation of juice concentrate by centrifuging, pressing, etc., comprising subjecting the ice mass to successive washing stages in which the density of the residual concentrate is reduced by each washing, employing as the washing agent fractions of liquor of the same juice, one for each washing stage, each fraction being of less density at the beginning of the washing stage in which it is employed than the concentrate in the ice mass to which it is applied, separating the washing liquor, built up in density, from the ice mass at the end of each washing



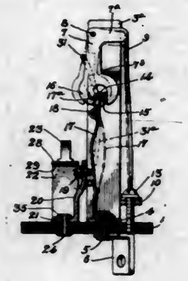
step, diluting the fraction of washing liquor of lowest density back to normal working density, and diluting the fraction of higher density by adding to each a portion of a fraction of lower density.

2,354,634
MIXING APPARATUS
Nelson D. Griswold, Freeport, Tex., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application February 4, 1942, Serial No. 429,457
6 Claims. (Cl. 222—134)



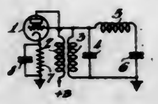
1. An apparatus for controlling the feed rate and proportions of cement and water delivered to a cement mixer, comprising the combination of a cement powder forwarding means and a water forwarding means, fluid driven motors adapted to actuate the cement powder and water forwarding means at a rate proportional to the flow of driving fluid supplied thereto, valves in the lines supplying the fluid to the motors adapted to deliver a constant volume of fluid to each motor for a specific setting of the valves regardless of variations in the downstream pressure adjacent to the valves, and means linking the opening and closing mechanism of said valves together so that opening and closing one valve opens and closes the other valve an amount such that the flow of fluid to the motors through the valves is proportional.

2,354,635
FLASHER SWITCH
Luther R. Harmon, Chicago, Ill., assignor of thirty-seven and one-half per cent to Fred Burt, thirty-seven and one-half per cent to William D. Lloyd, and twenty-five per cent to Patterson Manufacturing Company, a corporation of Illinois
Application November 19, 1942, Serial No. 466,218
6 Claims. (Cl. 200—113)



1. In a switch of the class described, an insulated base, a frame extending from said base, a snap-action switch member secured at one end to said base, a pivot pin connecting said member with said frame at a point spaced from the other end of said member leaving a tail piece beyond said pivot point, an electrical conducting lever having a bifurcation receiving said tail piece, one wall of said bifurcation being insulated, thermoresponsive resistance means for moving said lever in one direction for exerting pressure against said tail piece, yielding means for moving said lever in the other direction for exerting pressure on said tail piece, said switch member being bowable between its supports and co-operating contacts, one located on said switch member beyond the greatest flexible portion of the bowable portion for the purpose set forth.

2,354,636
ELECTRON TUBE OSCILLATOR CIRCUIT
William D. Hershberger, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application February 27, 1942, Serial No. 432,580. Divided and this application November 25, 1942, Serial No. 466,906
5 Claims. (Cl. 250—36)



1. An electron discharge tube oscillator circuit including control electrode and anode circuits, a multi-resonant network including a parallel resonant circuit and a series resonant circuit connected across said parallel resonant circuit, said network being connected in said control electrode circuit and aperiodic means for coupling said anode circuit to said multi-resonant network to provide oscillations at all resonant frequencies of said multi-resonant network.

2,354,637
METHOD OF DECORATING ARTICLES
Emil Ibach, Chicago, Ill., assignor to Cruver Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 14, 1941, Serial No. 393,465
6 Claims. (Cl. 101—129)



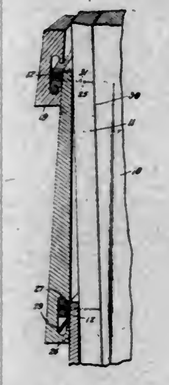
1. The method of decorating articles by application to predetermined surface portions or areas of the same of a selected variety of respective colors, which consists in providing barriers between said areas for isolating the same from contiguous areas, then utilizing the article as a mold for forming a mask and applying thereto a moldable material to cover the entire series of areas of the article intended to be decorated, together with barriers, allowing said material to harden while applied to the mold and then removing the same and repeating said molding operation until a number of masks corresponding with the number of said isolated areas has been completed, then cutting through each mask an opening corresponding in shape and size with one of said respective isolated areas of the article within the reproduction of the barrier formed on the mask, then applying the masks successively to the article to cause the barriers of the latter to be engaged with said reproductions of the same appearing on the mask, and projecting paints of respective selected colors through the openings of the mask in the order of their application to and removal from the article following the drying of each previously applied paint coating.

2,354,638
PIN STEM CLUTCH
Carl H. Okerholm, Lakewood, and Attilio Pasquale, Providence, R. I., assignors, by mesne assignments, to American Metal Crafts Company, a corporation of Massachusetts
Application March 11, 1943, Serial No. 478,824
9 Claims. (Cl. 24—155)



1. A pin stem clutch comprising a body provided with a recess having tapered guiding surfaces and a bottom wall with an axial opening therethrough for the reception of a pin stem, axially movable gripping means having a portion located in said recess and comprising a pair of gripping elements engaging said tapered surfaces to be moved toward each other by the surfaces as they move toward said bottom wall, a controlling member formed of sheet material and folded into substantially inverted U-shape to have its leg portions disposed between said gripping elements on opposite sides of said axial opening with the end portion of each leg extending outwardly to engage and support one of said elements to diametrically locate said elements on opposite sides of the axis of said opening and for movement of said elements axially away from said bottom wall whereby said elements may move away from each other.

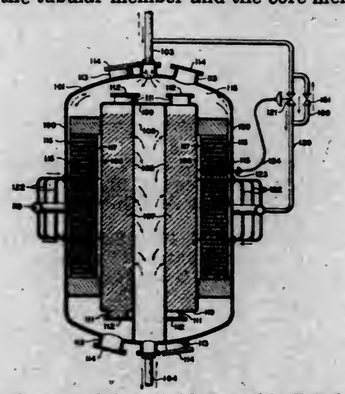
2,354,639
DOUBLE SEAL SIDING
Herbert T. Seymour, Easton, Md., assignor to A. R. Exiner, Chicago, Ill.
Application November 28, 1942, Serial No. 467,218
3 Claims. (Cl. 20—5)



1. In a wall construction comprising sheathing, siding material arranged in overlapping courses, one above the other, the siding in one course bearing at their upper margin against the sheathing, the said siding material having channels on its rear face near and substantially parallel with the lower edge of the siding, the said channels partially closed by tongues projecting toward each other, and horizontal sealing strips secured to the sheathing and a portion of the said strip projecting into said channel, the said sealing strip of a configuration cooperating with the channels, and one tongue of each channel in forming a weather seal between adjacent courses of siding.

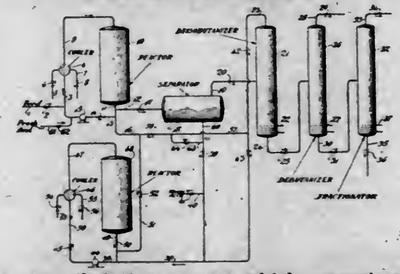
2,354,640
REACTOR TUBE
Bernard M. Becker, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 11, 1942, Serial No. 430,509
6 Claims. (Cl. 23—288)

1. In an apparatus for obtaining contact between a stream of fluid and a porous mass of solid material, an elongated tubular member, a core member positioned longitudinally within said tubular member with a space provided therebetween for the reception of said mass, the core member comprising an outer metal sheath, a conduit within said sheath for distributing fluid to said mass, another conduit within said sheath for collecting fluid from said mass, heat-insulating material disposed within said sheath about said conduits, means providing communication between each of the conduits and the space between the tubular member and the core member,



means for supplying fluid to said distributing conduit and means for removing fluid from said collecting conduit.

2,354,641
TREATMENT OF PARAFFIN HYDROCARBONS
Clarence G. Gerhold, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 30, 1940, Serial No. 326,870
6 Claims. (Cl. 260—683.4)

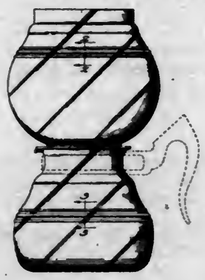


1. An alkylation process which comprises reacting an isoparaffin with an olefin in the presence of a mineral acid alkylating catalyst in a reaction zone, removing from said zone a mixture of hydrocarbon reaction products and acid catalyst, separating said mixture into a hydrocarbon layer and an acid layer, returning a portion of the acid layer to said reaction zone, subjecting another portion of said acid layer, containing complex hydrocarbon constituents, to reaction with an isoparaffin in the substantial absence of added olefins for a sufficient time to regenerate this portion of the acid catalyst, and supplying the thus regenerated acid to said reaction zone for further use therein as an alkylating catalyst.

DESIGNS

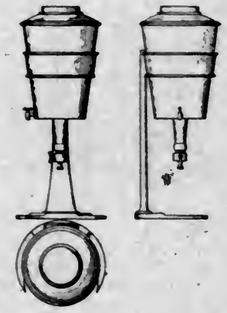
JULY 25, 1944

138,362
DESIGN FOR A COFFEE MAKER
James W. Alsdorf, Glencoe, Ill., assignor to Cory Glass Coffee Brewer Co., Chicago, Ill., a limited partnership
Application May 16, 1944, Serial No. 113,611
Term of patent 14 years
(Cl. D44—26)



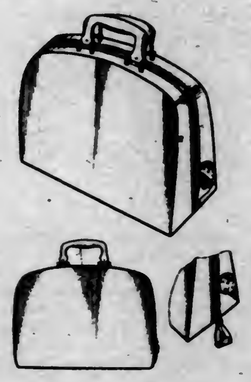
The ornamental design for a coffee maker, as shown and described.

138,363
DESIGN FOR A COMBINED BEVERAGE COOLER AND DISPENSER
Leonello Giuriati, New York, N. Y.
Application May 15, 1944, Serial No. 113,589
Term of patent 7 years
(Cl. D2—3)



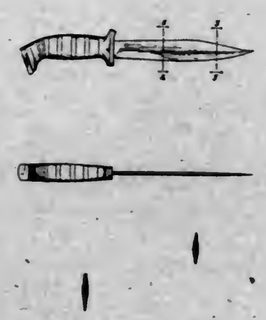
The ornamental design for a combined beverage cooler and dispenser, as shown.

138,364
DESIGN FOR A TRAVELING BAG
Elizabeth Nightingale Graham, New York, N. Y.
Application March 6, 1944, Serial No. 112,793
Term of patent 14 years
(Cl. D87—5)



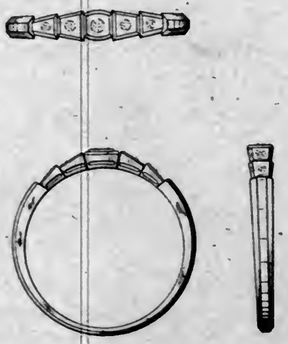
The ornamental design for a traveling bag, substantially, as shown and described.

138,365
DESIGN FOR A KNIFE
Leo F. Baker, Chicago, Ill.
Application April 22, 1944, Serial No. 113,334
Term of patent 7 years
(Cl. D22—3)



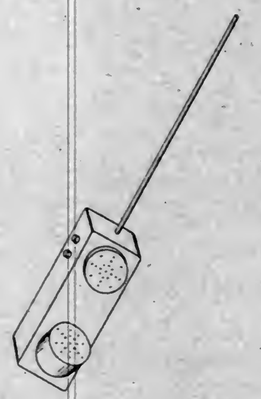
The ornamental design for a knife, substantially as shown.

138,366
DESIGN FOR A FINGER RING
Charles Gantwarg, New York, N. Y., assignor to Colonial Mfg. Co., Inc., New York, N. Y., a corporation of New York
Application May 5, 1944, Serial No. 113,483
Term of patent 3½ years
(Cl. D45—10)



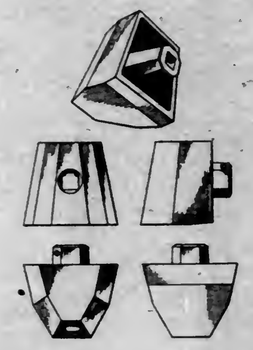
The ornamental design for a finger ring, substantially as shown.

138,367
DESIGN FOR A TOY
Christos M. Katsetos, Cincinnati, Ohio
Application April 20, 1944, Serial No. 113,312
Term of patent 3½ years
(Cl. D34—15)



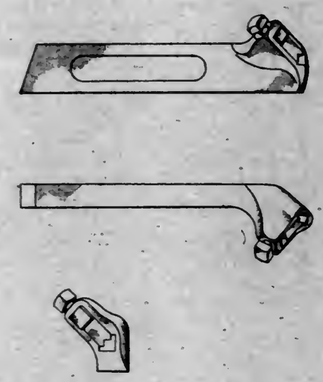
The ornamental design for a toy, as shown.

138,368
DESIGN FOR A FIXTURE FOR HOLDING A THREAD-CUTTING TOOL OR THE LIKE WHILE GRINDING THE CUTTING END THEREOF
Harry C. Wilson, Beverly Hills, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application February 21, 1944, Serial No. 112,654
Term of patent 14 years
(Cl. D54—14)



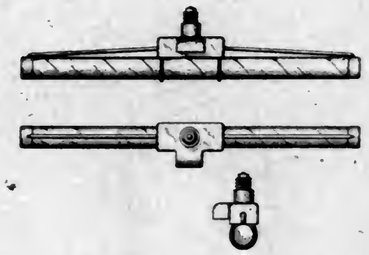
The ornamental design for a fixture for holding a thread-cutting tool or the like while grinding the cutting end thereof, as shown and described.

138,369
DESIGN FOR A TOOL HOLDER
Harry C. Wilson, Beverly Hills, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application May 25, 1944, Serial No. 113,749
Term of patent 14 years
(Cl. D54—14)



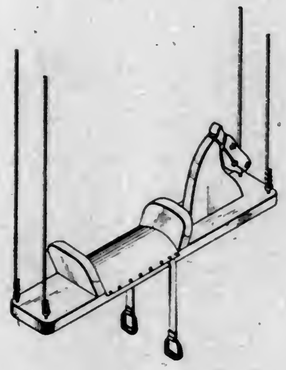
The ornamental design for a tool holder, as shown.

138,370
DESIGN FOR A FLUORESCENT LIGHT FIXTURE
Eugene Hughes Bradley, Chicago, Ill.
Application March 31, 1944, Serial No. 113,093
Term of patent 7 years
(Cl. D48—23)



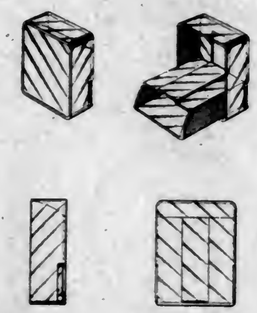
The ornamental design for a fluorescent light fixture, as shown.

138,371
DESIGN FOR A SADDLE HORSE SWING SEAT
Charles Harvey Churchill, Cortland, N. Y.
Application February 24, 1944, Serial No. 112,689
Term of patent 14 years
(Cl. D34—15)



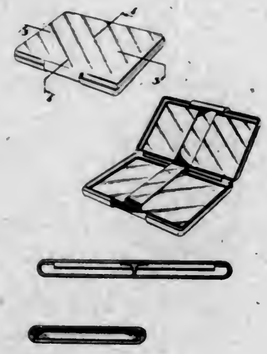
The ornamental design for a saddle horse swing seat, as shown.

138,372
DESIGN FOR A CIGARETTE CASE
Walton B. Crane, Beverly Hills, Calif., assignor to Allied Plastics Company, Los Angeles, Calif., a copartnership composed of Dwight C. Hirsh and Harry G. Long
Application May 8, 1944, Serial No. 113,513
Term of patent 14 years
(Cl. D85—2)



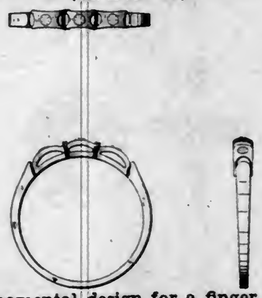
The ornamental design for a cigarette case, as shown.

138,373
DESIGN FOR A CIGARETTE CASE
Walton B. Crane, Beverly Hills, Calif., assignor to Allied Plastics Company, Los Angeles, Calif., a copartnership composed of Dwight C. Hirsh and Harry G. Long
Application May 9, 1944, Serial No. 113,523
Term of patent 14 years
(Cl. D85—2)



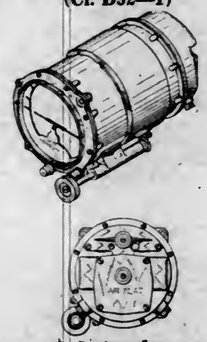
The ornamental design for a cigarette case, as shown.

138,374
DESIGN FOR A FINGER RING
Charles Gantwarg, New York, N. Y., assignor to Colonial Mfg. Co., Inc., New York, N. Y., a corporation of New York
Application June 8, 1944, Serial No. 113,916
Term of patent 3½ years
(Cl. D45—10)



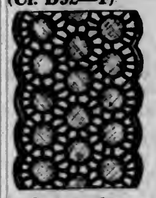
The ornamental design for a finger ring, substantially as shown.

138,375
DESIGN FOR A GYRO HORIZON INDICATOR
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz Research Corporation, Bedford, Ohio, a corporation of Ohio
Application March 27, 1944, Serial No. 113,048
Term of patent 14 years
(Cl. D52—1)



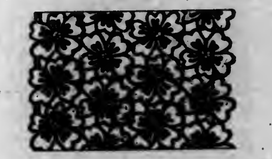
The ornamental design for a gyro horizon indicator, substantially as shown.

138,376
DESIGN FOR AN EMBROIDERED TRIMMING
Herman Krieger, New York, N. Y.
Application May 30, 1944, Serial No. 113,808
Term of patent 3½ years
(Cl. D92—1)



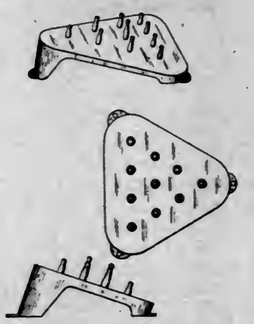
The ornamental design for an embroidered trimming, substantially as shown.

138,377
DESIGN FOR AN EMBROIDERED TRIMMING
Herman Krieger, New York, N. Y.
Application June 17, 1944, Serial No. 114,050
Term of patent 3½ years
(Cl. D92—1)



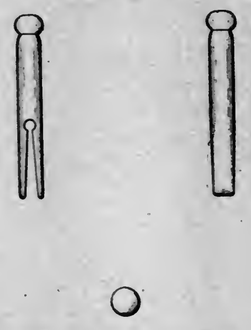
The ornamental design for an embroidered trimming, substantially as shown.

138,378
DESIGN FOR A GAME DEVICE
Joseph F. Martin, Jr., Detroit, Mich.
Application May 11, 1944, Serial No. 113,555
Term of patent 14 years
(Cl. D34—5)



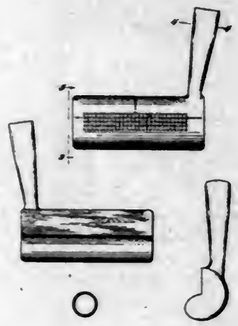
The ornamental design for a game device, substantially as shown.

138,379
DESIGN FOR A CLOTHESPIN
John E. Most, Detroit, Mich.
Application May 15, 1944, Serial No. 113,590
Term of patent 14 years
(Cl. D17—6)



The ornamental design for a clothespin, as shown.

138,380
DESIGN FOR A GOLF CLUB HEAD
Lewis Myers, Providence, and Emil H. Gartner, Edgewood, R. I.
Application April 21, 1944, Serial No. 113,322
Term of patent 14 years
(Cl. D34—5)



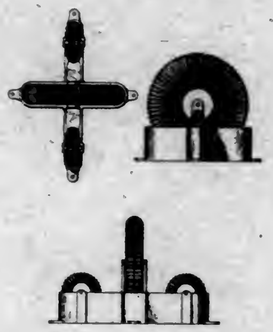
The ornamental design for a golf club head, substantially as shown and described.

138,381
DESIGN FOR A FISHING FLY BODY
Kenneth D. Richards, Gardner, Mass.
Application February 18, 1944, Serial No. 112,629
Term of patent 3½ years
(Cl. D31—4)



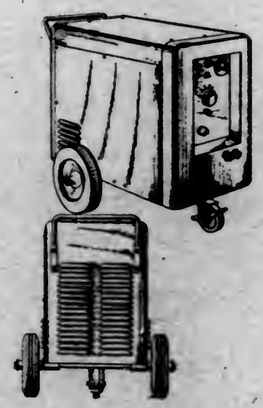
The ornamental design for a fishing fly body, as shown.

138,382
DESIGN FOR A HOG OILER
Bruce E. Sipe, Kansas City, Mo.
Application January 31, 1944, Serial No. 112,393
Term of patent 14 years
(Cl. D12—2)



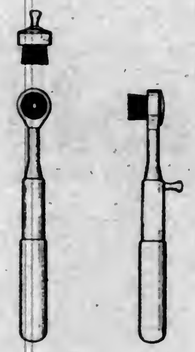
The ornamental design for a hog oiler, substantially as shown.

138,383
DESIGN FOR A PORTABLE ELECTRIC RECTIFYING DEVICE
Robert O. Whitesell and William W. Dehn, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application May 12, 1944, Serial No. 113,562
Term of patent 7 years
(Cl. D26—5)



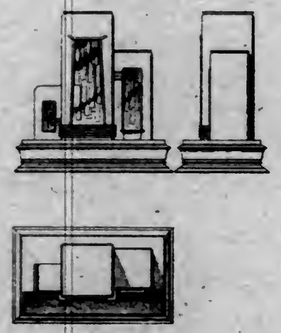
The ornamental design for a portable electric rectifying device, as shown.

138,384
DESIGN FOR A ROTARY TOOTHBRUSH
Charles L. Rosengard, Hartford, Conn.
Application January 5, 1944, Serial No. 112,174
Term of patent 7 years
(Cl. D9—2)



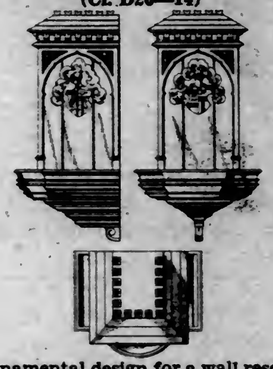
The ornamental design for a rotary toothbrush, substantially as shown.

138,385
DESIGN FOR A SOUND RESONATING AND MODULATING CABINET
Christian A. Volf, Van Nuys, Calif., assignor to Murray T. Quigg, New York, N. Y.
Application November 1, 1943, Serial No. 111,565
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a sound resonating and modulating cabinet, as shown and described.

138,386
DESIGN FOR A WALL RESONATOR AND SOUND DISTRIBUTOR
Christian A. Volf, Van Nuys, Calif., assignor to Murray T. Quigg, New York, N. Y.
Application November 1, 1943, Serial No. 111,566
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a wall resonator and sound distributor, as shown and described.

138,387
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application June 16, 1944, Serial No. 114,033
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

138,388
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application June 16, 1944, Serial No. 114,034
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

138,389
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application June 19, 1944, Serial No. 114,079
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

138,390
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application June 22, 1944, Serial No. 114,120
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

OFFICIAL GAZETTE

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VOLUME 565

AUGUST

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Patents Nos. 2,354,642 to 2,355,039

THE OFFICIAL GAZETTE OF THE United States Patent Office

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

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Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,076,090, G. F. Myers, Propeller, decided May 3, 1944, claims 19, 20, 21, 26, and 29.

Pat. 2,290,048, C. V. Hildebrecht, Safety device for heating and other apparatus, decided May 11, 1944, claims 1, 2, 3, 16, and 18.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., July 5, 1944.*

James F. Larkin, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of National Lead Company, 111 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered July 26, 1938, No. 358,897, to James F. Larkin, 301 Hightower Bldg., Oklahoma City, Okla. The records of this Office show that Katharine Larkin Angus is administratrix of the estate of said Larkin, deceased. Notice of such declaration sent by registered mail to said administratrix having been returned by the post office as undeliverable, notice is hereby given that unless the assigns or legal representatives of said Larkin shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., July 7, 1944*

Plumbers Trade Journal Publishing Co., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by McGraw-Hill Publishing Company, Inc., 330 West 42nd St., New York, N. Y., to effect the cancellation of trade-mark registration of Plumbers Trade Journal Publishing Co., 239 West 30th St., New York, N. Y., No. 243,185, dated June 12, 1928, and the notice of such proceeding sent by registered mail to the said Plumbers Trade Journal Publishing Co., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Plumbers Trade Journal Publishing Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Erratum

Page 81 of the OFFICIAL GAZETTE of June 6, 1944, Patent No. 2,350,504, name of inventor, for "Ernest C. Geir" read *Ernest C. Geier.*

Condition of Applications Under Examination at Close of Business July 15, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 47,923; Trade-Mark Division 1,482. Oldest new case, Aug. 11, 1943; oldest amended, Aug. 12, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders: Baths, Closets, Sinks, and Spittons; Sewerage.	Dec. 23	†Mar. 20	504
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Dec. 24	†Jan. 10	594
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Dec. 4	Dec. 13	1,010
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	†Feb. 14	†Jan. 14	512
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Oct. 14	Oct. 7	1,236
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 17	†Jan. 7	1,157
7. JARBOE, C. G., Optics, Photography	†Mar. 1	†Mar. 6	696
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Feb. 4	†Feb. 9	569
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	†Jan. 3	†Jan. 12	709
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Mar. 21	†Mar. 10	260
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Oct. 8	Sept. 28	1,091
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	†Feb. 12	†Feb. 5	577
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	†Feb. 29	†Feb. 15	679
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	†Feb. 24	†Feb. 8	752
16. SPENCER, C. J., Telegraphy; Telephony	†Feb. 3	†Feb. 1	587
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 3	Oct. 28	532
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Sept. 10	Sept. 21	890
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	†Jan. 15	Dec. 22	562
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Feb. 15	†Jan. 3	406
21. THOMPSON, T. J., Textiles	†Jan. 3	†Jan. 12	446
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 30	Nov. 30	1,112
23. BARROWS, B., Cash Registers; Calculators (part)	Oct. 29	Aug. 18	158
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Mar. 3	†Mar. 2	455
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Dec. 10	†Jan. 10	767
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 26	Oct. 26	928
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 22	Oct. 15	490
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Dec. 3	Oct. 23	737
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	†Jan. 29	†Jan. 21	768
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Oct. 18	Oct. 28	1,066
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Feb. 5	†Jan. 7	1,063
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 27	†Jan. 13	715
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Mar. 2	†Feb. 19	654
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	†Feb. 7	†Feb. 5	595
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	†Mar. 1	†Mar. 8	531
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	†Feb. 1	†Jan. 24	451
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 30	Aug. 15	775
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Dec. 2	Nov. 22	565
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	†Jan. 6	†Jan. 14	713
40. DRUMMOND, E. J., Receptacles (part); Packages	†Mar. 7	†Mar. 3	624
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 28	Nov. 8	414
42. MARANS, H., Electric Signaling	†Feb. 29	†Feb. 26	328
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 10	Dec. 13	753
44. HARVEY, L. P., Refrigeration; Preserving	Oct. 6	Oct. 21	434
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Dec. 26	†Jan. 4	1,064
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 11	Nov. 11	489
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	†Feb. 14	Dec. 29	696
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Dec. 14	Dec. 14	809
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Jan. 10	†Jan. 8	631
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	†Jan. '12	†Jan. 15	1,430
51. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	Nov. 29	Dec. 2	1,380
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Dec. 15	Dec. 7	889
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	†Mar. 1	Nov. 19	459
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Aug. 11	Aug. 12	993
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 27	Oct. 26	624
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Dec. 20	Dec. 14	769
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 16	Dec. 4	818
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Jan. 3	†Jan. 8	688
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Nov. 24	Nov. 16	1,403
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 30	Oct. 30	884
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	†Feb. 21	†Jan. 24	505
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Feb. 14	†Feb. 4	977
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Nov. 4	Nov. 1	979
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Feb. 21	†Feb. 17	1,014
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 20	Sept. 20	887
Trade-Marks: RICHMOND, F. A	†May 17	†June 17	1,482
Designs: KALUPY, H. H	†May 24	†June 16	650

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Alligator Company, The, St. Louis, Mo. Men's jackets. Serial No. 470,645; Aug. 1. Class 39.

American Fork & Hoe Company, The, Cleveland, Ohio. Hand tools. Serial No. 469,487; Aug. 1. Class 23.

American Petroleum Products Co., New York, N. Y. Amorphous, waxy hydrocarbon material. Serial No. 468,362; Aug. 1. Class 6.

American Phenolic Corporation, Chicago, Ill. Adhesive liquid cements. Serial No. 451,433; Aug. 1. Class 5.

Anderson, V. E., Manufacturing Co., Owensboro, Ky. Combination storm sash and screens. Serial No. 469,427; Aug. 1. Class 12.

Antognoli, Joseph, & Co., Chicago, Ill. Canned apple sauce, grapefruit juice for food purposes, etc. Serial No. 460,413; Aug. 1. Class 46.

Axelman, Sam, doing business as The Travalong Co., Chicago, Ill. Wardrobe trunks, suitcases, valises, etc. Serial No. 469,376; Aug. 1. Class 3.

Barbizon Corporation, The, New York, N. Y. Ladies' wearing apparel. Serial No. 470,369; Aug. 1. Class 39.

Barlow Chemical Association, Oklahoma City, Okla. Preparation for the treatment of irritated condition of the skin and scalp. Serial No. 469,888; Aug. 1. Class 6.

Beacon Container Company. (See Braloff, Henry E.)

Becker, R. D., Company. (See Becker, Russell D.)

Becker, Russell D., doing business as R. D. Becker Company, St. Louis, Mo. Chemical composition for control of termites. Serial No. 469,716; Aug. 1. Class 6.

Benrus Watch Company, New York, N. Y. Watches. Serial No. 468,998; Aug. 1. Class 27.

Braloff, Henry E., doing business as Beacon Container Company, Brooklyn, N. Y. Fibrebord and paper drums. Serial No. 466,824; Aug. 1. Class 2.

Buffalo Dental Manufacturing Company, Buffalo, N. Y. Dental bristle discs. Serial No. 470,136; Aug. 1. Class 44.

Bunte Brothers, Chicago, Ill. Candy bar. Serial No. 469,953; Aug. 1. Class 46.

Butler, Edgar M., doing business as Butler Engineering Co., New Orleans, La. Self-energizing and/or power induced energizing electrolytic water correction devices. Serial No. 468,555; Aug. 1. Class 21.

Butler Engineering Co. (See Butler, Edgar M.)

C. M. Company, The. (See Clark, James Rubert.)

Canfield Oil Company, The, Cleveland, Ohio. Blended petroleum product. Serial No. 467,015; Aug. 1. Class 15.

Castilian Products Corp., also doing business as Courtley, Ltd., Los Angeles, Calif. Perfume. Serial No. 469,244; Aug. 1. Class 6.

Chicago Forging & Manufacturing Co., Chicago, Ill. Metal tube fittings. Serial No. 469,149; Aug. 1. Class 13.

Clark, James R., doing business as The C. M. Company, Durham, N. C. Preparation for the relief of discomfort or pain due to simple headaches, and neuralgia of inorganic origin, etc. Serial No. 470,297; Aug. 1. Class 6.

Colorado Growers Co-operative, The, Palisade, Colo. Canned fruits and vegetables. Serial No. 461,242; Aug. 1. Class 46.

Country Boy Sales. (See Gilliam, Paul G.)

Courtley, Ltd. (See Castilian Products Corp.)

Daniel, J. Meredith, doing business as Meredith Daniel & Co., Chicago, Ill. Stencils. Serial No. 470,410; Aug. 1. Class 37.

Daniel, Meredith, & Co. (See Daniel, Meredith J.)

Dek Products, Inc., Baltimore, Md. Cleaning compound. Serial No. 468,955; Aug. 1. Class 4.

Dewey and Almy Chemical Company, Cambridge, Mass. Chemical compound. Serial No. 469,748; Aug. 1. Class 12.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Thin transparent or translucent sheeting of cellulosic composition. Serial No. 467,430; Aug. 1. Class 50.

Eidelman Bros., Detroit, Mich. Adhesive cements, pastes, and glues. Serial No. 464,693; Aug. 1. Class 5.

El Camino Citrus Association. (See El Camino Citrus Association of Claremont.)

El Camino Citrus Association of Claremont, doing business as El Camino Citrus Association, Claremont, Calif. Fresh citrus fruits. Serial No. 470,750; Aug. 1. Class 46.

Emerson, Charles A., doing business as Emerson Laboratories, Dallas, Tex. Preparation to be used as vehicle for cough syrup, tonics, sedatives, etc. Serial No. 461,844; Aug. 1. Class 6.

Emerson Laboratories. (See Emerson, Charles A.)

Empire Table Co., Chicago, Ill. Breakfast tables. Serial No. 463,745; Aug. 1. Class 32.

Empress Coffee Company, The. (See Pacific Gamble Robinson Co.)

Enro Shirt Company, Inc., The, Louisville, Ky. Men's outer shirts, pajamas, and sport shirts. Serial No. 469,754; Aug. 1. Class 39.

Esmond Mills, Inc., The Village of Esmond, Smithfield, R. I. Textile fabrics in the piece. Serial No. 469,894; Aug. 1. Class 42.

Federal Motor-Craft Products. (See Phalen, William H.)

Fligel, Ben, Co., New York, N. Y. Sport jackets and snow suits. Serial No. 470,794; Aug. 1. Class 39.

Gardenhour, Allen J., doing business as Gardenhour Mfg., Waynesboro, Pa. Electric fence controllers, electric fly and insect killers, etc. Serial No. 469,595; Aug. 1. Class 21.

Gardenhour Mfg. (See Gardenhour, Allen J.)

Gates Rubber Company, Denver, Colo. Loom harness straps, spinning aprons, lug straps, etc. Serial Nos. 468,446–7; Aug. 1. Class 23.

Gilliam, Paul G., doing business as Country Boy Sales and R. E. Gilliam Sons Co., Hopkinsville, Ky. Raincoats. Serial No. 470,720; Aug. 1. Class 39.

Gilliam, R. E., Sons Co. (See Gilliam, Paul G.)

Glassburn, George E., Peru, Ind. Hog conditioning powder for internal use, used in the treatment of various diseases in hogs. Serial No. 467,564; Aug. 1. Class 6.

Gold Metal Candy Corp., Brooklyn, N. Y. Candy. Serial No. 471,031; Aug. 1. Class 46.

Guiterman Bros., Inc., St. Paul, Minn. Clothing for sport, work and other wear. Serial No. 459,111; Aug. 1. Class 39.

Hanna Beverage Company, The, Cleveland, Ohio. Non-alcoholic maltless beverages. Serial No. 468,380; Aug. 1. Class 45.

Harbor Plywood Corporation, Hoquiam, Wash. Plywood. Serial No. 464,817; Aug. 1. Class 12.

Haskell, Charles C., & Co., Inc., Richmond, Va. Preparation for thyroid administration. Serial No. 469,677; Aug. 1. Class 6.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. Serial No. 469,335; Aug. 1. Class 39.

Hecolite Appliances, Ridgefield, N. J. Incandescent mantles and heat resisting light globes. Serial No. 460,757; Aug. 1. Class 34.

Hornstein Photo Sales, Chicago, Ill. Monthly merchandising medium magazine. Serial No. 470,267; Aug. 1. Class 38.

Illinois Bronze Powder Co., Chicago, Ill. Ready mixed paints. Serial No. 468,611; Aug. 1. Class 16.

Johnson & Johnson, New Brunswick, N. J. Ligatures and sutures and needles therefor. Serial No. 470,945; Aug. 1. Class 44.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Children's and infants' diapers, diaper bands, outer shirts, etc. Serial No. 469,258; Aug. 1. Class 39.

Kono, Alexander, doing business as The Kono Manufacturing Company, assignor to The Kono Manufacturing Company, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. Serial No. 451,309; Aug. 1. Class 26.

Kono Manufacturing Company, The. (See Kono, Alexander, assignor.)

Kruse System Inc., The, Indianapolis, Ind. Electric water purifier. Serial No. 468,845; Aug. 1. Class 21.

Lackawanna Leather Co., The, Hackettstown, N. J. Hides and leathers. Serial No. 470,613; Aug. 1. Class 1.

Loma Linda Food Company, Arlington, Calif. Food products prepared from soy beans. Serial No. 469,406; Aug. 1. Class 46.

Longines-Wittnauer Watch Co. Inc., New York, N. Y. Watches and clocks. Serial No. 470,620; Aug. 1. Class 27.

Lovsted, C. M., & Co., Inc., Seattle, Wash. Electric steam alarm-whistles. Serial No. 469,843; Aug. 1. Class 21.

Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y. Candies. Serial No. 460,119; Aug. 1. Class 46.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines. Serial No. 464,058; Aug. 1. Class 38.

McRae Health Products Co., New York, N. Y. Preparation composed of plant minerals. Serial No. 469,639; Aug. 1. Class 6.

Mission Dry Corporation, Los Angeles, Calif. Sherbet base. Serial No. 468,301–2; Aug. 1. Class 46.

Moore, Goodloe E., Company, Danville, Ill. Insulation hangers, and mastic bonding agents. Serial No. 460,005; Aug. 1. Class 12.

Murphy Elevator Co., The, Louisville, Ky. Electrically operated passenger and freight elevators. Serial No. 465,321; Aug. 1. Class 21.

National Starch Products Inc., New York, N. Y. Synthetic resin adhesives. Serial No. 470,084; Aug. 1. Class 5.

Novel Products, Inc., Chicago, Ill. Adjustable toy animals. Serial No. 469,212; Aug. 1. Class 22.

Pacific Gamble Robinson Co., doing business as The Empress Coffee Company, Seattle, Wash. Coffee. Serial No. 469,911; Aug. 1. Class 46.

Pacific Mills, Lawrence and Boston, Mass. Cloth. Serial No. 470,117; Aug. 1. Class 42.

Palo from California, Los Angeles, Calif. Pull-toys. Serial No. 468,306; Aug. 1. Class 22.

Parfums Blanchard, New York, N. Y. Toilet waters. Serial No. 465,465; Aug. 1. Class 6.

Passin, Sidney, New York, N. Y. Fur skins. Serial No. 470,731; Aug. 1. Class 1.

Patterson, David S., New Brighton, Pa. Display posters. Serial No. 468,390; Aug. 1. Class 38.

Peda-Spray Co., Inc., Seattle, Wash. Dispenser machines. Serial No. 462,026; Aug. 1. Class 44.

Perkin-Elmer Corporation, The, Glenbrook, Conn. Optical elements, optical instruments, military and aircraft instruments, etc. Serial No. 456,005; Aug. 1. Class 26.

Permanente Metals Corporation, The, Oakland, Calif. Magnesia-containing products. Serial No. 460,532; Aug. 1. Class 1.

Permanente Metals Corporation, The, Oakland, Calif. Ferrosilicon. Serial No. 460,533; Aug. 1. Class 1.

Phalen, William H., doing business as Federal Motor-Craft Products, Fond du Lac, Wis. Automotive electrical replacement parts. Serial No. 460,431; Aug. 1. Class 21.

Pik-Nik Food Products Co., San Jose, Calif. Shoe string potatoes. Serial No. 458,468; Aug. 1. Class 46.

Pinaud Incorporated, New York, N. Y. Soap. Serial No. 470,385; Aug. 1. Class 4.

Pinaud Incorporated, New York, N. Y. Soap. Serial No. 470,387; Aug. 1. Class 4.

Poivrel, Jean, New York, N. Y. Handbags, wallets, billfolds, and carryalls. Serial No. 469,413; Aug. 1. Class 3.

Precision Contacts, Minneapolis, Minn. Contact lens and eyeglasses. Serial No. 468,800; Aug. 1. Class 26.

Pro-Capa Laboratories. (See Trapani, Michael.)

Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair brush and comb sets. Serial No. 469,823; Aug. 1. Class 50.

Purity Drug Co., Inc., Passaic, N. J. Medicinal preparations. Serial No. 469,057; Aug. 1. Class 6.

Quest Manufacturing Company, Chicago, Ill. Typewriter ribbon. Serial Nos. 469,782–3; Aug. 1. Class 11.

Rand Rubber Company, Brooklyn, N. Y. Baby pants. Serial No. 470,677; Aug. 1. Class 39.

Raybestos-Manhattan, Inc., Passaic, N. J. Brake lining. Serial No. 470,997; Aug. 1. Class 35.

Re-Zillium Corp., Brooklyn, N. Y. Dental alloys and dental restorations. Serial No. 469,415; Aug. 1. Class 44.

Rohm & Haas Company, Philadelphia, Pa. Lacquers and lacquer emulsions and opacifying materials. Serial No. 466,550; Aug. 1. Class 16.

Romano, John A., doing business under the name and style of Marino Trading Company, Miami, Fla. Rum. Serial No. 466,153; Aug. 1. Class 49.

Romano Trading Company. (See Romano, John A.)

Shores Company, Incorporated, The, Cedar Rapids, Iowa. Enteric coating for individual doses of medication. Serial No. 461,778; Aug. 1. Class 6.

Sidoff, Isabelle L., Los Angeles, Calif. Party favor. Serial No. 459,639; Aug. 1. Class 50.

Singer Manufacturing Company, The, Elizabeth, N. J. Pressing mitts. Serial No. 468,396; Aug. 1. Class 24.

Smith-Dorsey Company, The, Lincoln, Nebr. Fungicide ointment. Serial No. 467,952; Aug. 1. Class 6.

Smith, Earl W., Chicago, Ill. Fish lures. Serial No. 470,154; Aug. 1. Class 22.

Southwest Airways, Incorporated, Phoenix, Ariz. Magazine. Serial No. 470,394; Aug. 1. Class 38.

Specific Pharmaceuticals, Inc., New York, N. Y. Histidine ascorbic acid ampule injection. Serial No. 470,123; Aug. 1. Class 6.

Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. Serial No. 470,155; Aug. 1. Class 6.

Stair, David, Inc., New York, N. Y. Ladies' and misses' handbags. Serial No. 470,841; Aug. 1. Class 3.

Stauffer Chemical Company, San Francisco, Calif. Fertilizers. Serial No. 467,410; Aug. 1. Class 10.

Stauffer Chemical Company, San Francisco, Calif. Insecticides and fungicides. Serial No. 470,048; Aug. 1. Class 6.

Sunset Line & Twine Co., San Francisco, Calif. Fishing lines. Serial No. 470,746; Aug. 1. Class 22.

Sunset Line & Twine Co., San Francisco, Calif. Fishing lines. Serial No. 471,289; Aug. 1. Class 22.

Tablerock Laboratories, Inc., Greenville, S. C. Preparation for the treatment of neuritis and chiloschisis, etc. Serial No. 460,853; Aug. 1. Class 6.

Tacon-Cueva Playing Card Co., New York, N. Y. Playing cards. Serial No. 470,281; Aug. 1. Class 22.

Tailby-Nason Company, Cambridge, Mass. Medicinal tablets. Serial No. 470,049; Aug. 1. Class 6.

Teca Corporation, New York, N. Y. Hydro-galvanic bath apparatus. Serial No. 471,108; Aug. 1. Class 44.

Trailer Company of America, The, Cincinnati, Ohio. Monthly periodical. Serial No. 466,111; Aug. 1. Class 38.

Trapani, Michael, doing business as Pro-Capa Laboratories, Brooklyn, N. Y. Preparations for the hair and scalp. Serial No. 470,010; Aug. 1. Class 6.

Travalong Co., The. (See Axelman, Sam.)

Uniform, A. S., Manufacturing Co., Inc., New York, N. Y. Men's suits. Serial No. 466,775; Aug. 1. Class 39.

Universal Sanitary Mfg. Company, New Castle, Pa. Water closet tanks, closet bowls, urinals, etc. Serial No. 459,324; Aug. 1. Class 13.

Victor Export & Import Corporation, New York, N. Y. Canned fish. Serial No. 469,419; Aug. 1. Class 46.

W & W Auto Finishes, Inc., Boston, Mass. Ready-mixed paints, lacquers, and enamels. Serial Nos. 469,794–5; Aug. 1. Class 16.

Wella Corporation, The, New York, N. Y. Permanent wave solution. Serial No. 469,101; Aug. 1. Class 6.

Wilbur & Williams Company, The, Boston, Mass. Ready-mixed paints and paint enamels. Serial No. 469,798; Aug. 1. Class 16.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott, Donald B., Mamaroneck, N. Y. Auxiliary sail boats. 408,279; Aug. 1; Serial No. 467,213; published May 23, 1944. Class 19.

Abbott, Donald B., Mamaroneck, N. Y. Auxiliary sail boats. 408,280; Aug. 1; Serial No. 467,215; published May 23, 1944. Class 19.

Abbott Laboratories, North Chicago, Ill. Medicinal preparation. 408,238; Aug. 1; Serial No. 451,993; published June 2, 1942. Class 6.

Abbott Laboratories, N. Chicago, Ill. Isopropyl alcohol rubbing compound. 408,251; Aug. 1; Serial No. 462,436; published May 16, 1944. Class 6.

Ansbacher-Siegle Corporation, Brooklyn, N. Y. Resinous materials. 408,265; Aug. 1; Serial No. 466,250; published May 9, 1944. Class 16.

Archer-Daniels-Midland Company. (See Goodrich, William O., Company.)

Atlantic Refining Company, The, Philadelphia, Pa. Lubricating oils. 408,235; Aug. 1; Serial No. 442,823; published May 23, 1944. Class 15.

Bates, C. J., & Son, Chester, Conn. Manicure implements. 408,267–8; Aug. 1; Serial Nos. 466,423–4; published May 23, 1944. Class 44.

Bauernfreund, Max, doing business as French Powder Puff Co., New York, N. Y. Powder puffs and powder mitts. 408,277; Aug. 1; Serial No. 467,119; published May 23, 1944. Class 29.

Beatrice Creamery Company, Chicago, Ill. Soya-cream salad dressing, garlic sauce, worcestershire sauce, etc. 408,311; Aug. 1; Serial No. 468,335; published May 23, 1944. Class 46.

Beckman, Ben, doing business as Beckman's Fur Factory, Los Angeles, Calif. Fur articles of wear. 192,370; renewed Dec. 2, 1944.

Beckman's Fur Factory. (See Beckman, Ben.)

Berkshire Knitting Mills, Wyomissing, Pa. Hosiery. 408,310; Aug. 1; Serial No. 468,223; published May 16, 1944. Class 39.

Blechman, S., & Sons, Inc., New York, N. Y. Underwear, ladies' apparel and other certain named apparel for infants, children and men. 192,245; renewed Dec. 2, 1944.

Bloomsburg Packing Co., Inc., Bloomsburg, Pa. Canned soy bean succotash. 408,245; Aug. 1; Serial No. 461,624; published Nov. 23, 1943. Class 46.

Brown, Fred W., Bethesda, Ohio, assignor, by mesne assignments, to C. W. Cribbs, Steubenville, Ohio. Amplifiers and thermionic devices. 183,605; renewed May 6, 1944.

Buffalo Foundry & Machine Co., Buffalo, N. Y. Calandrias causticizers, concentrators, etc. 192,253; renewed Dec. 2, 1944.

Bunte Brothers, Chicago, Ill. Candy. 190,904; renewed Oct. 28, 1944.

Bunte Brothers, Chicago, Ill. Candy. 191,744; renewed Nov. 18, 1944.

California Fruit Exchange, Sacramento, Calif. Fresh grapes. 185,272; renewed June 10, 1944.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 408,250; Aug. 1; Serial No. 462,359; published Oct. 5, 1943. Class 6.

Call, John A., doing business as The John Call Co., assignor to Penn Ventilating Company, Philadelphia, Pa. Ventilators. 190,372; renewed Oct. 14, 1944.

Call, John A., doing business as The John Call Co., assignor to Penn Ventilating Company, Philadelphia, Pa. Ventilators. 190,379; renewed Oct. 14, 1944.

Call, John Co., The. (See Call, John A.)

Cameo Corporation, Chicago, Ill. Preparation used as a general household cleanser. 408,233–4; Aug. 1; Serial Nos. 441,557–8; published May 12, 1942. Class 4.

Cardy-Lundmark Company. (See Lundmark, Arnold.)

Castle, Wilmot, Company, Rochester, N. Y. Sterilizers. 190,248; renewed Oct. 7, 1944.

Cavendish Trading Corporation, New York, N. Y. Paper products. 408,294; Aug. 1; Serial No. 467,751; published May 23, 1944. Class 37.

Cia. Topo Chico, S. A., Monterrey, N. L., Mexico. Mineral water. 408,248; Aug. 1; Serial No. 462,244; published Jan. 4, 1944. Class 45.

Cia. Topo Chico, S. A., Monterrey, N. L., Mexico. Non-alcoholic beverage. 408,249; Aug. 1; Serial No. 462,245; published Jan. 4, 1944. Class 45.

Cincinnati Airite Laboratories, Inc., Cincinnati, Ohio. Dehumidifier units. 408,243; Aug. 1; Serial No. 460,983; published Nov. 16, 1943. Class 34.

Cleveland Tungsten, Inc., Cleveland, Ohio. Tungsten ingots, tungsten rods, tungsten strips, etc. 408,255; Aug. 1; Serial No. 463,313; published May 16, 1944. Class 14.

Clinchfield Coal Corporation, Dante, Va. Coal. 190,883; renewed Oct. 28, 1944.

Clotworthy, Hugh A., New York, N. Y., to Hugh A. Clotworthy, Miami, Fla. Nail-polishing powder. 188,474; renewed Aug. 26, 1944.

Cohen Dairy Company, New York, N. Y. Milk, condensed milk, eggs, etc. 192,461; renewed Dec. 2, 1944.

Columbia-Walescraft Co., New York, N. Y. Billfolds, key cases, valises, etc. 408,327; Aug. 1. Class 3.

Compotite Shower Pan. (See Morthland, Glenn A.)

Cook Paint & Varnish Company, Kansas City, to Cook Paint & Varnish Company, North Kansas City, Mo., successor. Mixed paints. 192,360; renewed Dec. 2, 1944.

Corn Products Refining Company, New York, N. Y. Cornstarch. 187,254; renewed July 29, 1944.

Corn Products Refining Company, New York, N. Y. Starch for laundry and manufacturing purposes. 189,404; renewed Sept. 16, 1944.

Corn Products Refining Company, New York, N. Y. Laundry starch. 189,428; renewed Sept. 16, 1944.

Cramerton Mills, Incorporated, Cramerton, N. C. Carded and combed cotton yarns. 192,300; renewed Dec. 2, 1944.

Cribbs, C. W. (See Brown, Fred W., assignor.)

Dare, Phyllis. (See MacBird, Phyllis.)

De Valls, Maria G., St. Croix, Virgin Islands. Internal compounded medicine. 408,275; Aug. 1; Serial No. 466,727; published May 16, 1944. Class 6.

De Witt, E. C., & Co. Inc., Chicago, Ill. Eye bath. 192,053; renewed Nov. 25, 1944.

Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Fountain brushes. 408,319; Aug. 1; Serial No. 469,190; published May 23, 1944. Class 29.

Dietzgen, Eugene, Co., Chicago, Ill. Drafting material and supplies. 408,237; Aug. 1; Serial No. 444,964; published May 23, 1944. Class 37.

Dinhofer Bros. Inc., New York, N. Y. Watches, watch movements, and watch parts. 408,333; Aug. 1. Class 27.

Drew, Irving, Company, The, Portsmouth, assignor to Irving Drew Corporation, Lancaster, Ohio. Boots, shoes and slippers. 186,677; renewed July 22, 1944.

Drew, Irving, Company, The, Portsmouth, assignor to Irving Drew Corporation, Lancaster, Ohio. Boots, shoes and slippers. 190,674; renewed Oct. 21, 1944.

Drew, Irving, Corporation. (See Drew, Irving, Company, The, assignor.)

Dunne, F. L., Co. (See Dunne, Frank L.)

Dunne, Frank L., to F. L. Dunne Co., Boston, Mass., successor. Men's outer clothing. 25,564; re-renewed Dec. 4, 1944.

Du Pont, E. I., de Nemours & Company, Wilmington, Del. Acids, alums, chemicals, etc. 186,659; renewed July 22, 1944.

Du Pont, E. I., de Nemours and Company. (See Wamesit Chemical Company, assignor.)

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers, thinners, and lacquer enamels. 191,686; renewed Nov. 18, 1944.

Electric Storage Battery Company, The, Philadelphia, Pa. Storage batteries, their parts and accessories. 408,316; Aug. 1; Serial No. 468,601; published May 23, 1944. Class 21.

Electro-King Mfg. Company, Chicago, Ill. Automatic stokers. 408,266; Aug. 1; Serial No. 466,405; published May 23, 1944. Class 34.

Epstein, Burney, New York, N. Y. Ladies' and misses' knitted blouses and sweaters. 408,314; Aug. 1; Serial No. 468,504; published May 23, 1944. Class 39.

Etkin-Banner Co., Inc., The, New York, N. Y. Women's and misses' coats, suits, dresses, and jackets. 408,309; Aug. 1; Serial No. 468,193; published May 16, 1944. Class 39.

Famous Kiddie Frocks. (See Norensky, Bessie.)

Farrington, Eliot G., doing business as Farrington Products Co., Detroit, Mich. Brushless and lather shaving creams. 408,242; Aug. 1; Serial No. 460,094; published May 16, 1944. Class 4.

Farrington Products Co. (See Farrington, Eliot G.)

Filtrol Corporation, Los Angeles, Calif. Chemically treated colloidal clay. 408,299–302; Aug. 1; Serial Nos. 468,019–22; published May 16, 1944. Class 6.

Fisher Scientific Company, Pittsburgh, Pa. Inert chemical compound. 408,304; Aug. 1; Serial No. 468,073; published May 16, 1944. Class 6.

Franke, George, Sons Company, The, Baltimore, Md. Paper boxes and nut cups. 189,716; renewed Sept. 23, 1944.

Freedman-Nicolelli, Inc., Jacksonville, Fla. Nurses' and maids' uniforms. 408,264; Aug. 1; Serial No. 465,984; published May 16, 1944. Class 39.

Freedom Oil Company, Freedom, Pa. Lubricating oils and greases. 408,312; Aug. 1; Serial No. 468,417; published May 23, 1944. Class 15.

Freedom Oil Company, Freedom, Pa. Lubricating oils and greases. 408,313; Aug. 1; Serial No. 468,413; published May 23, 1944. Class 15.

French Powder Puff Co. (See Bauernfreund, Max.)

Gaertner Scientific Corporation, The, Chicago, Ill. Measuring telescopes, micrometer slides and attachments, microscope supports, etc. 192,460; renewed Dec. 2, 1944.

General Coal Company, Wilmington, Del., and Philadelphia, Pa. Coal and coke. 192,014; renewed Nov. 25, 1944.

General Desserts Corporation, New York, N. Y. Fruit concentrate. 408,284; Aug. 1; Serial No. 467,432; published May 16, 1944. Class 45.

General Mills, Inc. (See Great West Mill & Elevator Company, assignor.)

General Mills, Inc. (See Portland Flour Mills Co., assignor.)

General Mills, Inc. (See Washburn-Crosby Company, assignor.)

General Mills, Inc., Minneapolis, Minn. Muffin mix. 408,269; Aug. 1; Serial No. 466,440; published May 23, 1944. Class 46.

General Mills, Inc., Minneapolis, Minn. Pancake and waffle mix. 408,270; Aug. 1; Serial No. 466,441; published May 23, 1944. Class 46.

General Mills, Inc., Minneapolis, Minn. Wheat flour. 408,285; Aug. 1; Serial No. 467,450; published May 23, 1944. Class 46.

General Radio Company, Cambridge, Mass. Standards of resistance, inductance, and capacitance for measuring purposes, decade bridges, wave meters, etc. 192,285; renewed Dec. 2, 1944.

Glidden Company, The, Cleveland, Ohio. Dry, paste, and ready-mixed paints, varnishes, lacquers, etc. 190,716; renewed Oct. 21, 1944.

Goodrich, William O., Company, Milwaukee, Wis., to Archer-Daniels-Midland Company, Minneapolis, Minn., successor. Linseed oil. 190,713; renewed Oct. 21, 1944.

Goodwin Preserving Co. Incorporated, Louisville, Ky. Peach fruit preserves and jellies, apple butter, and spaghetti. 408,324; Aug. 1. Class 46.

Gordon, Sewall & Co., Inc., Houston, Galveston, and Port Arthur, to Gordon, Sewall & Co., Inc., Houston, Tex. Canned vegetables, fruits, and fish, fresh and dried split figs, etc. 192,304; renewed Dec. 2, 1944.

Great West Mill & Elevator Company, Amarillo, Tex., assignor to General Mills, Inc., Minneapolis, Minn. Wheat flour. 189,026; renewed Sept. 9, 1944.

Guggenheim, Kari, Inc., New York, N. Y. Brooches, scarfpins, and cuff buttons. 191,263; renewed Nov. 4, 1944.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Firebrick and refractory cements. 188,715; renewed Sept. 2, 1944.

Hardie Brothers Company, Pittsburgh, Pa. Candy. 191,742; renewed Nov. 18, 1944.

Haviland Laboratories, Inc., New York, N. Y. Soaps. 408,306; Aug. 1; Serial No. 468,141; published May 23, 1944. Class 4.

Hay, Howard M., Chicago, Ill. Games. 408,297; Aug. 1; Serial No. 467,927; published May 23, 1944. Class 22.

Haythornthwaite & Sons Limited, Burnley, England. Raincoats, trousers, jackets, etc. 408,256; Aug. 1; Serial No. 463,671; published May 16, 1944. Class 39.

Hoffmann, Aloys, Aubuquerque, N. Mex. Frozen confections. 408,286; Aug. 1; Serial No. 467,456; published May 23, 1944. Class 46.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. 408,303; Aug. 1; Serial No. 468,029; published May 16, 1944. Class 6.

Hollins, William, & Co. Ltd., London and Mansfield, to Williams Hollins & Company, Limited, Nottingham, England. Negligee shirts, collars, pyjamas, etc. 192,388; renewed Dec. 2, 1944.

Hollins, Williams, & Company, Limited. (See Hollins, William, & Co. Ltd.)

Ideal Power Lawn Mower Company, Lansing, Mich. Power lawn mowers. 188,258; renewed Aug. 19, 1944.

Inland Asphalt Corporation, Chicago, Ill. Asphalts and tars treated to facilitate adhesion to undried aggregates. 408,282; Aug. 1; Serial No. 467,319; published May 23, 1944. Class 12.

International Milling Company, Minneapolis, Minn., to International Milling Company, Wilmington, Del. Wheat flour. 191,835; renewed Nov. 18, 1944.

International Milling Company, Minneapolis, Minn., to International Milling Company, Wilmington, Del. Wheat flour. 191,870; renewed Nov. 18, 1944.

International Milling Company, Minneapolis, Minn., to International Milling Company, Wilmington, Del. Wheat flour. 192,407; renewed Dec. 2, 1944.

International Milling Company, Minneapolis, Minn., to International Milling Company, Wilmington, Del. Wheat flour. 192,420; renewed Dec. 2, 1944.

International Safety Razor Corporation, Bloomfield, N. J. Safety-razor blades. 192,333; renewed Dec. 2, 1944.

Ivers-Lee Company, Newark, N. J. Envelope-like sealed containers. 408,253–4; Aug. 1; Serial Nos. 463,075–6; published May 23, 1944. Class 2.

Ivers-Lee Company, Newark, N. J. Envelope-like sealed containers. 408,257; Aug. 1; Serial No. 463,733; published May 23, 1944. Class 2.

Johnson & Johnson, New Brunswick, N. J. Sanitary napkins. 188,120; renewed Aug. 19, 1944.

Johnson, Stephens and Shinkle Company, St. Louis, Mo. Ladies' and misses' shoes. 191,046; renewed Oct. 28, 1944.

Johnson, W. E., Co. (See Johnson, William E.)

Johnson, William E., doing business as W. E. Johnson Co., Pequannock, N. J. Flexible abrasive stones. 408,296; Aug. 1; Serial No. 467,784; published May 23, 1944. Class 4.

Jonat Candy Corp., Brooklyn, N. Y. Candy. 408,252; Aug. 1; Serial No. 463,022; published May 16, 1944. Class 46.

Jonthay, New York, N. Y. Perfumes. 408,305; Aug. 1; Serial No. 468,117; published May 16, 1944. Class 6.

Keystone Varnish Company, Brooklyn, N. Y. Paste paint. 192,032; renewed Nov. 25, 1944.

Kilmer & Co., Incorporated. (See Kilmer, Dr., & Co., assignor.)

Kilmer, Dr., & Co., Binghamton, N. Y., assignor, by mesne assignments, to Kilmer & Co., Incorporated, Stamford, Conn. Medicinal and pharmaceutical preparations. 192,055; renewed Nov. 25, 1944.

Klein, Louis J., New York, N. Y. Combination floor brush and mop. 408,241; Aug. 1; Serial No. 456,396; published May 23, 1944. Class 29.

Koch Chemical Company, Winona, Minn. Chemical disinfectant. 408,246; Aug. 1; Serial No. 461,763; published Sept. 14, 1943. Class 6.

Lea Manufacturing Co., The, Waterbury, Conn. Buffing and polishing compositions. 408,273; Aug. 1; Serial No. 466,702; published May 23, 1944. Class 4.

Lehman-Baer Co. Inc., Baltimore, Md. Boys' suits, sun suits, overalls, and shorts. 408,307; Aug. 1; Serial No. 468,145; published May 16, 1944. Class 39.

Les Parfums De Dana, Inc., New York, N. Y. Toilet preparations, perfumery, and cosmetics. 408,260; Aug. 1; Serial No. 465,040; published May 16, 1944. Class 6.

Levine, David, doing business as Plating Equipment & Supply Company, New York, N. Y. Plating and polishing machines and parts thereof. 408,276; Aug. 1; Serial No. 466,997; published May 9, 1944. Class 23.

Lewis, Rob't F., Inc. (See Mears, Lewis, Company.)

Lloyd, E. E., Paper Company, Chicago, Ill. Writing paper. 186,072–3; renewed July 1, 1944.

Lockheed Aircraft Corporation, Burbank, Calif. Airplanes and structural parts therefor. 408,295; Aug. 1; Serial No. 467,762; published May 23, 1944. Class 19.

Lundmark, Arnold, doing business as Cardy-Lundmark Company, Chicago, Ill. Luminous coated plastic base identification badges, luminous wall decorations, etc. 408,331; Aug. 1. Class 50.

MacBird, Phyllis, doing business as Phyllis Dare, Los Angeles, Calif. Water-softening soapless cleanser. 408,259; Aug. 1; Serial No. 464,822; published May 23, 1944. Class 4.

Madison Woolen Co., Madison, Maine. Woolen piece goods. 192,281; renewed Dec. 2, 1944.

Magnet Mills, Inc. (See Voorhees, Joseph P., assignor.)

Manfield & Sons, Limited, Northampton, England. Overshoes. 191,882; renewed Nov. 18, 1944.

Massachusetts Cotton Mills, Lowell and Boston, assignor to Pepperell Manufacturing Company, Boston, Mass. Cotton blankets and cotton piece goods. 189,863; renewed Sept. 30, 1944.

Mazer-Cressman Cigar Co., The, Philadelphia, assignor, by mesne assignments, to J. C. Winter & Co., Inc., Red Lion, Pa. Cigars. 191,148; renewed Nov. 4, 1944.

Mears, Lewis, Company, Boston, to Rob't F. Lewis, Inc., Cambridge, Mass., successor. Eggs. 188,271; renewed Aug. 19, 1944.

Meyer, N. S., Inc., New York, N. Y. Buttons, metal insignia, Army and Navy equipment, etc. 191,259; renewed Nov. 4, 1944.

Mineral Clay Products Company. (See Young, Charles W.)

Misener & Irving Mfg. Co., by change of name to Misener Mfg. Co., Inc., Syracuse, N. Y. Tools using a hacksaw blade. 182,050; renewed Apr. 1, 1944.

Misener Mfg. Co., Inc. (See Misener & Irving Mfg. Co.)

Moore, A. F., & Company. (See Moore, Abraham F.)

Moore, Abraham F., doing business as A. F. Moore & Company, Worcester, Mass. Compound for general household cleaning and removing stains, and having bleaching properties. 408,330; Aug. 1. Class 4.

Moore, Cecil, Lewistown, Mont. Dance-floor wax. 187,483; renewed Aug. 5, 1944.

Moore, Wm. R., Dry Goods Company, Memphis, Tenn. Brown and bleached sheetings, sheets, and pillowcases. 189,969; renewed Sept. 30, 1944.

Moore, Wm. R., Dry Goods Company, Memphis, Tenn. Dress, negligee, and work shirts. 190,163; renewed Oct. 7, 1944.

Moore, Wm. R., Dry Goods Company, Memphis, Tenn. Hosiery, underwear, sweaters. 191,847; renewed Nov. 18, 1944.

Morthland, Glenn A., doing business as Compotite Shower Pan, Los Angeles, Calif. Shower pans. 408,281; Aug. 1; Serial No. 467,285; published May 23, 1944. Class 13.

Moss, Theodore, Company, Brooklyn, N. Y. Rubber printing plates and dies, and plastic printing plates. 408,315; Aug. 1; Serial No. 468,532; published May 23, 1944. Class 50.

Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton twine. 186,103–4; renewed July 1, 1944.

Mundet Cork Corporation. (See Mundet, L., & Son, Inc.)

Mundet, L., & Son, Inc., to Mundet Cork Corporation, Brooklyn, N. Y., by consolidation. Articles made of natural cork, of cork particles, and of cork composition. 191,795; renewed Nov. 18, 1944.

National Electric Products Corporation. (See National Metal Molding Company, assignor.)

National Metal Molding Company, assignor to National Electric Products Corporation, Pittsburgh, Pa. Electrical conduits and fittings, insulating brackets, etc. 187,459; renewed Aug. 5, 1944.

New Britain Machine Company, The, New Britain, Conn. Socket-wrench sets. 185,962; renewed July 1, 1944.

New York Merchandise Co., Inc., New York, N. Y. Toothbrushes. 408,322; Aug. 1. Class 29.

Norensky, Bessie, doing business as Famous Kiddie Frocks, New York, N. Y. Children's frocks. 408,328; Aug. 1. Class 39.

NuTone, Incorporated, Cincinnati, Ohio. Hydraulic dish washing machines. 408,262; Aug. 1; Serial No. 465,717; published May 16, 1944. Class 23.

Oceanic Insul-Lite Corp., Brooklyn, N. Y. Thermal insulation mastic material. 408,283; Aug. 1; Serial No. 467,356; published May 23, 1944. Class 12.

Ogush, William B., Inc., New York, N. Y. Precious metals and precious metal solders. 408,287; Aug. 1; Serial No. 467,461; published May 23, 1944. Class 14.

Old Dutch Industrial Products Co., Inc., Kearny, N. J. Leather dyes. 408,289; Aug. 1; Serial No. 467,534; published May 16, 1944. Class 6.

Ovington, Edward J., doing business as Ovingtons, Boston, Mass. Cutting point needles, cutting point awls, and other cutting point tools. 408,247; Aug. 1; Serial No. 461,807; published Oct. 26, 1943. Class 23.

Ovingtons. (See Ovington, Edward J.)

Pabst Brewing Company. (See Pabst Corporation, assignor.)

Pabst Corporation, Milwaukee, Wis., assignor to Pabst Brewing Company, Chicago, Ill. Near beer and malt cereal beverages. 192,164; renewed Nov. 25, 1944.

Paden City Pottery Company, Paden City, W. Va. Dinnerware. 408,336; Aug. 1. Class 30.

Paragon Gear Works, Inc., Taunton, Mass. Transmission gears, reverse gears, reduction gears, and clutches. 408,290; Aug. 1; Serial No. 467,616; published May 9, 1944. Class 23.

Parke, Davis & Company, Detroit, Mich. Vaccines. 188,748–9; renewed Sept. 2, 1944.

Parke, Davis & Company, Detroit, Mich. Bottle caps. 190,497; renewed Oct. 14, 1944.

Penn Ventilating Company. (See Call, John A., assignor.)

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Electroplating solutions, electroplating electrolyte, etc. 408,274; Aug. 1; Serial No. 466,700; published May 16, 1944. Class 6.

Peoples Drug Stores, Inc., to Peoples Drug Stores, Inc., Washington, D. C., successor. Sandwiches. 187,244; renewed July 29, 1944.

Pepperell Manufacturing Company. (See Massachusetts Cotton Mills, assignor.)

Piezoelectric Corporation, Flemington, N. J. Power transmission machineries, drives, and mechanisms. 408,272; Aug. 1; Serial No. 466,620; published May 16, 1944. Class 23.

Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 192,320; renewed Dec. 2, 1944.

Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 408,268; Aug. 1; Serial No. 463,889; published Dec. 21, 1943. Class 6.

Plating Equipment & Supply Company. (See Levine, David.)

Portland Flour Mills Co., Portland, Oreg., assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Wheat flour. 189,723; renewed Sept. 23, 1944.

Quality Tools Corporation, New Wilmington, Pa. Tools. 190,593; renewed Oct. 14, 1944.

Randolph Marketing Company, Los Angeles, Calif. Fresh citrous fruits, fresh deciduous fruits, fresh vegetables, etc. 192,135; renewed Nov. 25, 1944.

Roneo Limited, Holborn, London, to Roneo Limited, London, England. Card-index system. 191,497; renewed Nov. 11, 1944.

Rumford Chemical Works, Providence, to Rumford Chemical Works, Rumford, R. I. Dough assistant. 192,458; renewed Dec. 2, 1944.

Samson Plaster Board Company, Buffalo, N. Y., assignor, by mesne assignments, to United States Gypsum Company, Chicago, Ill. Lime. 188,933; renewed Sept. 9, 1944.

Sears, Roebuck and Co., Chicago, Ill. Christmas tree lighting outfits. 408,321; Aug. 1. Class 21.

Sears, Roebuck and Co., Chicago, Ill. Pipes. 408,332; Aug. 1. Class 8.

Shillman, A. & H. Company, Inc., Baltimore, Md. Yarns and threads. 408,329; Aug. 1. Class 43.

Silvray Co., Inc., to Silvray Lighting, Inc., New York, N. Y., successor. Electric lamps. 187,776; renewed Aug. 12, 1944.

Silvray Lighting, Inc. (See Silvray Co., Inc.)

Simplex Wire & Cable Company, Boston, to Simplex Wire & Cable Company, Cambridge, Mass. Wire. 191,594; renewed Nov. 11, 1944.

Skinner Manufacturing Company, Omaha, Nebr. Breakfast cereals. 408,323; Aug. 1. Class 46.

Smit, J. K., & Sons, Inc., New York, N. Y. Diamond bits. 408,298; Aug. 1; Serial No. 467,983; published May 16, 1944. Class 23.

Smith, Kline & French Company, assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Eye bath. 192,152; renewed Nov. 25, 1944.

Smith, Kline & French Laboratories. (See Smith, Kline & French Company, assignor.)

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydraulic oils. 408,318; Aug. 1; Serial No. 468,820; published May 23, 1944. Class 15.

Standard Brands Incorporated, New York, N. Y. Mixture consisting essentially of maltose sugars and soluble dextrine. 408,308; Aug. 1; Serial No. 468,168; published May 23, 1944. Class 46.

Standard Oil Company, (New Jersey), Bayonne, N. J., assignor to Standard Oil Company of New Jersey, Wilmington, Del. Lubricating oils and greases. 190,978; renewed Oct. 28, 1944.

Standard Oil Company of New Jersey. (See Standard Oil Company, (New Jersey).)

Sta-Tite Mfg. Company, Kansas City, Mo. Electrical cord sets and electrical heater plugs. 408,320; Aug. 1. Class 21.

Stern, Max, New York, N. Y. Blocks composed of ferrous and nonferrous metal scrap. 408,263; Aug. 1; Serial No. 465,787; published May 2, 1944. Class 14.

Strathmore Co-Operative Association, Strathmore, Calif. Fresh citrus fruits. 408,236; Aug. 1; Serial No. 443,897; published May 23, 1944. Class 46.

Terry, Walter J., Seattle, Wash. Dental supplies. 188,968; renewed Sept. 9, 1944.

Tribune Company, Chicago, Ill. Series of cartoons. 189,745; renewed Sept. 23, 1944.

Truscon Laboratories, Inc., Detroit, Mich. Paint-like material adapted to be troweled or sprayed upon a surface. 408,325; Aug. 1. Class 16.

Tuff-Hard Corporation, Detroit, Mich. Machine tools, tool bits cutting tools. 408,240; Aug. 1; Serial No. 453,450; published May 16, 1944. Class 23.

Ulmer Pharmacal Company. (See Physicians & Hospitals Supply Company.)

United States Gypsum Company. (See Samson Plaster Board Company, assignor.)

Universal Optical Corporation, assignor to Universal Optical Company, Inc., Providence, R. I. Spectacles, eyeglasses, and testing instruments for the same, etc. 192,250; renewed Dec. 2, 1944.

Utt Juice Company, Tustin, Calif. Fruit juices. 192,270; renewed Dec. 2, 1944.

Voorhees, Joseph P., East Orange, N. J., assignor to Magnet Mills, Inc., Clinton, Tenn. Hosiery. 189,379; renewed Sept. 16, 1944.

Walker, Leonard, doing business as Walker Remedy Mfg. Co., Chicago, Ill. Preparation in liquid form. 408,292; Aug. 1; Serial No. 467,704; published May 16, 1944. Class 6.

Walker Remedy Mfg. Co. (See Walker, Leonard.)

Wamesit Chemical Company, Lowell, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Chemical products. 185,793; renewed June 24, 1944.

Warren Company, The, assignor to The Warren Company, Atlanta, Ga. Paints, stains, varnishes, and paint enamels. 191,810; renewed Nov. 18, 1944.

Washburn-Crosby Company, assignor to General Mills, Inc., Minneapolis, Minn. Durum wheat flour. 191,891; renewed Nov. 18, 1944.

Watkins, Jim, & Sons, Aptos, Calif. Fresh vegetables. 408,271; Aug. 1; Serial No. 466,471; published May 23, 1944. Class 46.

Wean Engineering Company, Inc., The, Warren, Ohio. Steel-mill machinery. 408,288; Aug. 1; Serial No. 467,504; published May 16, 1944. Class 23.

West Disinfecting Company, New York, to West Disinfecting Company, Long Island City, N. Y. Insecticides. 192,095; renewed Nov. 25, 1944.

Wilensky, H., & Sons Co., assignor to Jake H. Wilensky Leather Co., Inc., Atlanta, Ga. Shoes. 184,745; renewed June 3, 1944.

Wilensky, Jake H., Leather Co., Inc. (See Wilensky, H., & Sons Co., assignor.)

Willard Storage Battery Company, Cleveland, Ohio. Storage batteries and parts thereof. 408,317; Aug. 1; Serial No. 468,740; published May 23, 1944. Class 21.

Winter, J. C., & Co., Inc. (See Mazer-Cressman Cigar Co., The, assignor.)

Wolaver Livestock Service Company, Springfield, Ill. Feeds and feed supplements. 408,244; Aug. 1; Serial No. 461,402; published Nov. 16, 1943. Class 46.

Wolfe & Mann Device Co., Baltimore, Md. Etched plaque. 408,291; Aug. 1; Serial No. 467,683; published May 23, 1944. Class 50.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Solid cleaning, cleansing and detergent material. 408,261; Aug. 1; Serial No. 465,519; published May 23, 1944. Class 4.

Wyeth, Incorporated. (See Wyeth, John, & Brother, Incorporated.)

Wyeth, John, & Brother, Incorporated, Philadelphia, Pa., now by change of name Wyeth, Incorporated. Medicinal vitamin preparations. 408,239; Aug. 1; Serial No. 452,975; published July 14, 1942. Class 6.

Young, Charles W., doing business as Mineral Clay Products Company, to Raymond G. Young, Omaha, Nebr., successor. Natural mineral clay product. 185,717; renewed June 24, 1944.

Young, Raymond G. (See Young, Charles W.)

Youngstown Alloy Casting Corporation, Youngstown, Ohio. Steel and steel alloy castings. 408,293; Aug. 1; Serial No. 467,740; published May 16, 1944. Class 14.

Zephyr American Corp., New York, N. Y. Dip-type writing sets. 408,278; Aug. 1; Serial No. 467,212; published May 23, 1944. Class 37.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Clinchfield Coal Corporation. 190,883; renewed Oct. 28, 1944.

Coal and coke. General Coal Company. 192,014; renewed Nov. 25, 1944.

CLASS 2

Boxes and nut cups, Paper. George Franke Sons Company. 189,716; renewed Sept. 23, 1944.

Containers, Envelope-like sealed. Ivers-Lee Company. 408,253–4; Aug. 1; Serial Nos. 463,075–6; published May 23, 1944.

Containers, Envelope-like sealed. Ivers-Lee Company. 408,257; Aug. 1; Serial No. 463,733; published May 23, 1944.

CLASS 3

Billfolds, key cases, valises, etc. Columbia-Walescraft Co. 408,327; Aug. 1.

CLASS 4

Abrasive Stones, Flexible. W. E. Johnson. 408,296; Aug. 1; Serial No. 467,784; published May 23, 1944.

Buffing and polishing compositions. Lea Manufacturing Co. 408,273; Aug. 1; Serial No. 466,702; published May 23, 1944.

Cleaning, cleansing and detergent material, Solid. Wyandotte Chemicals Corporation. 408,261; Aug. 1; Serial No. 465,519; published May 23, 1944.

Cleanser, Preparation used as a general household. Cameo Corporation. 408,233–4; Aug. 1; Serial Nos. 441,557–8; published May 12, 1942.

Cleanser, Water-softening soapless. P. MacBird. 408,259; Aug. 1; Serial No. 464,822; published May 23, 1944.

Compound for general household cleaning and removing stains, and having bleaching properties. A. F. Moore. 408,330; Aug. 1.

Shaving creams, Brushless and lather. E. G. Farrington. 408,242; Aug. 1; Serial No. 460,094; published May 16, 1944.

Soaps. Haviland Laboratories, Inc. 408,306; Aug. 1; Serial No. 468,141; published May 23, 1944.

CLASS 6

Acids, alums, chemicals, etc. E. I. du Pont de Nemours & Company. 186,659; renewed July 22, 1944.

Chemical compound, Inert. Fisher Scientific Company. 408,304; Aug. 1; Serial No. 468,073; published May 16, 1944.
Chemical disinfectant. Koch Chemical Company. 408,246; Aug. 1; published Sept. 14, 1943.
Chemical products. Wamesit Chemical Company. 185,793; renewed June 24, 1944.
Clay, Chemically treated colloidal clay. Filtrol Corporation. 408,299–302; Aug. 1; Serial Nos. 468,019–22; published May 16, 1944.
Clay product, Natural mineral. C. W. Young. 185,717; renewed June 24, 1944.
Dyes, Leather. Old Dutch Industrial Products Co. 408,289; Aug. 1; Serial No. 467,534; published May 16, 1944.
Electroplating solutions, electroplating electrolyte, etc. Pennsylvania Salt Manufacturing Company. 408,274; Aug. 1; Serial No. 466,709; published May 16, 1944.
Eye bath. E. C. De Witt & Co. Inc. 192,053; renewed Nov. 25, 1944.
Eye bath. Smith, Kline & French Company. 192,152; renewed Nov. 25, 1944.
Insecticides. West Disinfecting Company. 192,095; renewed Nov. 25, 1944.
Medical preparation. Physicians & Hospitals Supply Company. 408,258; Aug. 1; Serial No. 463,889; published Dec. 21, 1943.
Medicinal and pharmaceutical preparations. Dr. Kilmer & Co. 192,055; renewed Nov. 25, 1944.
Medicinal preparation. Abbott Laboratories. 408,238; Aug. 1; Serial No. 451,993; published June 2, 1942.
Medicinal preparation. Hoffmann-La Roche, Inc. 408,303; Aug. 1; Serial No. 468,029; published May 16, 1944.
Medicinal vitamin preparations. John Wyeth & Brother, Incorporated. 408,239; Aug. 1; Serial No. 452,975; published July 14, 1942.
Medicine, Internal compounded. M. G. De Valls. 408,275; Aug. 1; Serial No. 466,727; published May 16, 1944.
Parasiticides. California Spray-Chemical Corporation. 408,250; Aug. 1; Serial No. 462,359; published Oct. 5, 1943.
Perfumes. Jonthay. 408,305; Aug. 1; Serial No. 468,117; published May 16, 1944.
Powder, Nail-polishing. H. A. Clotworthy. 188,474; renewed Aug. 26, 1944.
Preparation in liquid form. L. Walker. 408,292; Aug. 1; Serial No. 467,704; published May 16, 1944.
Rubbing compound, Isopropyl alcohol. Abbott Laboratories. 408,251; Aug. 1; Serial No. 462,436; published May 16, 1944.
Starch for laundry and manufacturing purposes. Corn Products Refining Company. 189,404; renewed Sept. 16, 1944.
Starch, Laundry. Corn Products Refining Company. 189,428; renewed Sept. 16, 1944.
Toilet preparations, perfumery, and cosmetics. Les Parfums De Dana, Inc. 408,260; Aug. 1; Serial No. 465,040; published May 16, 1944.
Vaccines. Parke, Davis & Company. 188,748–9; renewed Sept. 2, 1944.

CLASS 7

Twine, Cotton. Mt. Vernon-Woodberry Mills, Inc. 186,103–4; renewed July 1, 1944.

CLASS 8

Pipes. Sears, Roebuck and Co. 408,332; Aug. 1.

CLASS 12

Asphalts and tars treated to facilitate adhesion to undried aggregates. Inland Asphalt Corporation. 408,282; Aug. 1; Serial No. 467,319; published May 23, 1944.
Brick and refractory cements, Fire. Harbison-Walker Refractories Company. 188,715; renewed Sept. 2, 1944.
Lime. Samson Plaster Board Company. 188,933; renewed Sept. 9, 1944.
Thermal insulation mastic material. Oceanic Insul-lite Corp. 408,283; Aug. 1; Serial No. 467,356; published May 23, 1944.

CLASS 13

Pans, Shower. G. A. Morthland. 408,281; Aug. 1; Serial No. 467,285; published May 23, 1944.

CLASS 14

Alloy castings, Steel and steel. Youngstown Alloy Casting Corporation. 408,293; Aug. 1; Serial No. 467,740; published May 16, 1944.
Blocks composed of ferrous and nonferrous metal scrap. M. Stern. 408,263; Aug. 1; Serial No. 465,787; published May 2, 1944.
Ingots, tungsten rods, tungsten strips, etc., Tungsten. Cleveland Tungsten, Inc. 408,255; Aug. 1; Serial No. 463,313; published May 16, 1944.
Metals and previous metal solders, Precious. William B. Ogush, Inc. 408,287; Aug. 1; Serial No. 467,461; published May 23, 1944.

CLASS 15

Oils and greases, Lubricating. Freedom Oil Company. 408,312; Aug. 1; Serial No. 468,411; published May 23, 1944.
Oils and greases, Lubricating. Freedom Oil Company. 408,313; Aug. 1; Serial No. 468,413; published May 23, 1944.
Oils and greases, Lubricating. Standard Oil Company, (New Jersey). 190,978; renewed Oct. 28, 1944.
Oils, Hydraulic. Socony-Vacuum Oil Company. 408,318; Aug. 1; Serial No. 468,820; published May 23, 1944.
Oils, Lubricating. Atlantic Refining Company. 408,235; Aug. 1; Serial No. 442,823; published May 23, 1944.

CLASS 16

Lacquers, thinners, and lacquer enamels. Egyptian Lacquer Manufacturing Company. 191,686; renewed Nov. 18, 1944.
Oil, Linseed. William O. Goodrich Company. 190,713; renewed Oct. 21, 1944.
Paint-like material adapted to be troweled or sprayed upon a surface. Truscon Laboratories, Inc. 408,325; Aug. 1.
Paint, Paste. Keystone Varnish Company. 192,032; renewed Nov. 25, 1944.
Paints, Mixed. Cook Paint & Varnish Company. 192,360; renewed Dec. 2, 1944.
Paints, stains, varnishes, and paint enamels. Warren Company. 191,810; renewed Nov. 18, 1944.
Paints, varnishes, lacquers, etc., Dry, paste, and ready-mixed. Glidden Company. 190,716; renewed Oct. 21, 1944.
Resinous materials. Ansbacher-Siegle Corporation. 408,265; Aug. 1; Serial No. 466,250; published May 9, 1944.
Wax, Dance-floor. C. Moore. 187,483; renewed Aug. 5, 1944.

CLASS 17

Cigars. Mazer-Cressman Cigar Co. 191,148; renewed Nov. 4, 1944.

CLASS 19

Airplanes and structural parts therefor. Lockheed Aircraft Corporation. 408,295; Aug. 1; Serial No. 467,762; published May 23, 1944.
Boats, Auxiliary sail. D. B. Abbott. 408,279; Aug. 1; Serial No. 467,213; published May 23, 1944.
Boats, Auxiliary sail. D. B. Abbott. 408,280; Aug. 1; Serial No. 467,215; published May 23, 1944.

CLASS 21

Amplifiers and thermionic devices. F. W. Brown. 183,605; renewed May 6, 1944.
Batteries and parts thereof, Storage. Willard Storage Battery Company. 408,317; Aug. 1; Serial No. 468,740; published May 23, 1944.
Batteries, their parts and accessories, Storage. Electric Storage Battery Company. 408,316; Aug. 1; Serial No. 468,601; published May 23, 1944.
Electrical conduits and fittings, insulating brackets, etc. National Metal Molding Company. 187,459; renewed Aug. 5, 1944.
Electrical cord sets and electrical heater plugs. Sta-Tite Mfg. Company. 408,320; Aug. 1.
Lamps, Electric. Silvray Co. 187,776; renewed Aug. 12, 1944.
Lighting outfits, Christmas tree. Sears, Roebuck and Co. 408,321; Aug. 1.
Wire. Simplex Wire & Cable Company. 191,594; renewed Nov. 11, 1944.

CLASS 22

Games. H. M. Hay. 408,297; Aug. 1; Serial No. 467,927; published May 23, 1944.

CLASS 23

Bits, Diamond. J. K. Smit & Sons, Inc. 408,298; Aug. 1; Serial No. 467,9[illegible]; published May 16, 1944.
Blades, Safety-razor. International Safety Razor Corporation. 192,333; renewed Dec. 2, 1944.
Calandrias, causticizers, concentrators, etc. Buffalo Foundry & Machine Co. 192,253; renewed Dec. 2, 1944.
Gears, reverse gears, reduction gears, and clutches, Transmission. Paragon Gear Works, Inc. 408,290; Aug. 1; Serial No. 467,616; published May 9, 1944.
Mowers, Power lawn. Ideal Power Lawn Mower Company. 188,258; renewed Aug. 19, 1944.
Needles, cutting point awls, and other cutting point tools, Cutting point. E. J. Ovington. 408,247; Aug. 1; Serial No. 461,807; published Oct. 26, 1943.
Plating and polishing machines and parts thereof. D. Levine. 408,276; Aug. 1; Serial No. 466,997; published May 9, 1944.
Socket-wrench sets. New Britain Machine Company. 185,962; renewed July 1, 1944.
Steel-mill machinery. Wean Engineering Company. 408,288; Aug. 1; Serial No. 467,504; published May 16, 1944.
Tools. Quality Tools Corporation. 190,593; renewed Oct. 14, 1944.

Tools, tool bits, cutting tools, Machine. Tuff-Hard Corporation. 408,240; Aug. 1; Serial No. 453,450; published May 16, 1944.
Tools using a hacksaw blade. Misener & Irving Mfg. Co. 182,050; renewed Apr. 1, 1944.
Transmission machineries, drives, and mechanisms, Power. Piezoelectric Corporation. 408,272; Aug. 1; Serial No. 466,620; published May 16, 1944.
Washing machines, Hydraulic dish. Nutone, Incorporated. 408,262; Aug. 1; Serial No. 465,717; published May 16, 1944.

CLASS 26

Spectacles, eyeglasses, and testing instruments for same, etc. Universal Optical Corporation. 192,250; renewed Dec. 2, 1944.
Standards of resistance, inductance, and capacitance for measuring purposes, decade bridges, wave meters, etc. General Radio Company. 192,285; renewed Dec. 2, 1944.
Telescopes, micrometer slides and attachments, microscope supports, etc., Measuring. Gaertner Scientific Corporation. 192,460; renewed Dec. 2, 1944.

CLASS 27

Watches, watch movements, and watch parts. Dinhofer Bros. Inc. 408,333; Aug. 1.

CLASS 28

Brooches, scarfpins, and cuff buttons. Karl Guggenheim, Inc. 191,263; renewed Nov. 4, 1944.
Buttons, metal insignia, army and navy equipment, etc. N. S. Meyer, Inc. 191,259; renewed Nov. 4, 1944.

CLASS 29

Brush and mop, Combination floor. L. J. Klein. 408,241; Aug. 1; Serial No. 456,396; published May 23, 1944.
Brushes, Fountain. Diagraph-Bradley Stencil Machine Corporation. 408,319; Aug. 1; Serial No. 469,190; published May 23, 1944.
Powder puffs and powder mitts. M. Bauernfreund. 408,277; Aug. 1; Serial No. 467,119; published May 23, 1944.
Toothbrushes. New York Merchandise Co. 408,322; Aug. 1.

CLASS 30

Dinnerware. Paden City Pottery Company. 408,326; Aug. 1.

CLASS 34

Dehumidifier units. Cincinnati Airite Laboratories, Inc. 408,243; Aug. 1; Serial No. 460,983; published Nov. 16, 1943.
Stokers, Automatic. Electro-King Mfg. Company. 408,266; Aug. 1; Serial No. 466,405; published May 23, 1944.
Ventilators. J. A. Call. 190,372; renewed Oct. 14, 1944.
Ventilators. J. A. Call. 190,379; renewed Oct. 14, 1944.

CLASS 37

Card-index system. Roneo Limited. 191,497; renewed Nov. 11, 1944.
Drafting material and supplies. Eugene Dietzgen Co. 408,237; Aug. 1; Serial No. 444,964; published May 23, 1944.
Paper products. Cavendish Trading Corporation. 408,294; Aug. 1; Serial No. 467,751; published May 23, 1944.
Paper, Writing. E. E. Lloyd Paper Company. 186,072–3; renewed July 1, 1944.
Writing sets, Dip-type. Zephyr American Corp. 408,278; Aug. 1; Serial No. 467,212; published May 23, 1944.

CLASS 38

Cartoons, Series of. Tribune Company. 189,745; renewed Sept. 23, 1944.

CLASS 39

Blouses and sweaters, Ladies' and misses' knitted. B. Epstein. 408,314; Aug. 1; Serial No. 468,504; published May 23, 1944.
Boots, shoes, and slippers. Irving Drew Company. 186,677; renewed July 22, 1944.
Boots, shoes, and slippers. Irving Drew Company. 190,674; renewed Oct. 21, 1944.
Clothing, Men's outer. F. L. Dunne. 25,564; re-renewed Dec. 4, 1944.
Coats, suits, dresses, and jackets, Women's and misses'. Etkin-Banner Co. 408,309; Aug. 1; Serial No. 468,193; published May 16, 1944.
Frocks, Children's. B. Norensky. 408,328; Aug. 1.
Fur articles of wear. B. Beckman. 192,370; renewed Dec. 2, 1944.
Hosiery. Berkshire Knitting Mills. 408,310; Aug. 1; Serial No. 468,223; published May 16, 1944.
Hosiery. Phoenix Hosiery Company. 192,320; renewed Dec. 2, 1944.
Hosiery. J. P. Voorhees. 189,379; renewed Sept. 16, 1944.
Hosiery, underwear, sweaters. Wm. R. Moore Dry Goods Company. 191,847; renewed Nov. 18, 1944.
Overshoes. Manfield & Sons, Limited. 191,882; renewed Nov. 18, 1944.
Raincoats, trousers, jackets, etc. Haythornthwaite & Sons Limited. 408,256; Aug. 1; Serial No. 463,671; published May 16, 1944.
Shirts, collars, pyjamas, etc., Negligee. William Hollins & Co. Ltd. 192,388; renewed Dec. 2, 1944.
Shirts, Dress, negligee, and work. Wm. R. Moore Dry Goods Company. 190,163; renewed Oct. 7, 1944.
Shoes. H. Wilensky & Sons Co. 184,745; renewed June 3, 1944.
Shoes, Ladies' and misses'. Johnson, Stephens and Shinkle Shoe Company. 191,046; renewed Oct. 28, 1944.
Suits, sun suits, overalls and shorts, Boys'. Lehman-Baer Co. Inc. 408,307; Aug. 1; Serial No. 468,145; published May 16, 1944.
Underwear, ladies' apparel, and other certain named apparel for infants, children, and men. S. Blechman & Sons, Inc. 192,245; renewed Dec. 2, 1944.
Uniforms, Nurses' and maids'. Freedman-Nicolelli, Inc. 408,264; Aug. 1; Serial No. 465,984; published May 16, 1944.

CLASS 42

Blankets and cotton piece goods, Cotton. Massachusetts Cotton Mills. 189,863; renewed Sept. 30, 1944.
Sheetings, sheets, and pillowcases, Brown and bleached. Wm. R. Moore Dry Goods Company. 189,969; renewed Sept. 30, 1944.
Woolen piece goods. Madison Woolen Co. 192,281; renewed Dec. 2, 1944.

CLASS 43

Yarns and threads. A. & H. Shillman Company. 408,329; Aug. 1.
Yarns, Carded and combed cotton. Cramerton Mills, Incorporated. 192,300; renewed Dec. 2, 1944.

CLASS 44

Dental supplies. W. J. Terry. 188,968; renewed Sept. 9, 1944.
Manicure implements. C. J. Bates & Son. 408,267–8; Aug. 1; Serial Nos. 466,423–4; published May 23, 1944.
Sanitary napkins. Johnson & Johnson. 188,120; renewed Aug. 19, 1944.
Sterilizers. Wilmot Castle Company. 190,248; renewed Oct. 7, 1944.

CLASS 45

Fruit concentrates. General Desserts Corporation. 408,284; Aug. 1; Serial No. 467,432; published May 16, 1944.
Fruit juices. Utt Juice Company. 192,270; renewed Dec. 2, 1944.
Mineral water. Cia. Topo Chico, S. A. 408,248; Aug. 1; Serial No. 462,244; published Jan. 4, 1944.
Nonalcoholic beverage. Cia. Topo Chico, S. A. 408,249; Aug. 1; Serial No. 462,245; published Jan. 4, 1944.

CLASS 46

Candy. Bunte Brothers. 190,904; renewed Oct. 28, 1944.
Candy. Bunte Brothers. 191,744; renewed Nov. 18, 1944.
Candy. Hardie Brothers Company. 191,742; renewed Nov. 18, 1944.
Candy. Jonat Candy Corp. 408,252; Aug. 1; Serial No. 463,252; published May 16, 1944.
Canned soy bean succotash. Bloomsburg Packing Co. Inc. 408,245; Aug. 1; Serial No. 461,624; published Nov. 23, 1943.
Cereals, Breakfast. Skinner Manufacturing Company. 408,323; Aug. 1.
Citrous fruits, Fresh. Strathmore Co-Operative Association. 408,236; Aug. 1; Serial No. 443,897; published May 23, 1944.
Confections, Frozen. A. Hoffmann. 408,286; Aug. 1; Serial No. 467,456; published May 23, 1944.
Cornstarch. Corn Products Refining Company. 187,254; renewed July 29, 1944.
Dough assistant. Rumford Chemical Works. 192,458; renewed Dec. 2, 1944.
Eggs. Lewis Mears Company. 188,271; renewed Aug. 19, 1944.
Feeds and feed supplements. Wolaver Livestock Service Company. 408,244; Aug. 1; Serial No. 461,402; published Nov. 16, 1943.
Flour, Durum wheat. Washburn-Crosby Company. 191,891; renewed Nov. 18, 1944.
Flour, Wheat. General Mills, Inc. 408,285; Aug. 1; Serial No. 467,450; published May 23, 1944.
Flour, Wheat. Great West Mill & Elevator Company. 189,026; renewed Sept. 9, 1944.
Flour, Wheat. International Milling Company. 191,835; renewed Nov. 18, 1944.
Flour, Wheat. International Milling Company. 191,870; renewed Nov. 18, 1944.
Flour, Wheat. International Milling Company. 192,407; renewed Dec. 2, 1944.
Flour, Wheat. International Milling Company. 192,420; renewed Dec. 2, 1944.
Flour, Wheat. Portland Flour Mills Co. 189,723; renewed Sept. 23, 1944.

Fruit preserves and jellies, apple butter and spaghetti. Goodwin Preserving Co. Incorporated. 408,324; Aug. 1.
Fruits, fresh deciduous fruits, fresh vegetables, etc., Fresh citrus. Randolph Marketing Company. 192,135; renewed Nov. 25, 1944.
Grapes, Fresh. California Fruit Exchange. 185,272; renewed June 10, 1944.
Milk, condensed milk, eggs, etc. Cohen Dairy Company. 192,461; renewed Dec. 2, 1944.
Mixture consisting essentially of maltose sugars and soluble dextrine. Standard Brands Incorporated. 408,308; Aug. 1; Serial No. 468,168; published May 23, 1944.
Muffin mix. General Mills, Inc. 408,269; Aug. 1; Serial No. 466,440; published May 23, 1944.
Pancake and waffle mix. General Mills, Inc. 408,270; Aug. 1; Serial No. 466,441; published May 23, 1944.
Salad dressing, garlic sauce, worcestershire sauce, etc., Soya-cream. Beatrice Creamery Company. 408,311; Aug. 1; Serial No. 468,335; published May 23, 1944.
Sandwiches. Peoples Drug Stores, Inc. 187,244; renewed July 29, 1944.
Vegetables, Fresh. Jim Watkins & Sons. 408,271; Aug. 1; Serial No. 466,471; published May 23, 1944.
Vegetables, fruits and fish, fresh and dried split figs, etc., Canned. Gordon, Sewall & Co. 192,304; renewed Dec. 2, 1944.

CLASS 48

Beer and malt cereal beverages, Near. Pabst Corporation. 192,164; renewed Nov. 25, 1944.

CLASS 50

Articles made of natural cork, of cork particles and of cork composition. L. Mundet & Son, Inc. 191,795; renewed Nov. 18, 1944.
Bottle caps. Parke, Davis & Company. 190,497; renewed Oct. 14, 1944.
Plaque, Etched. Wolfe & Mann Device Co. 408,291; Aug. 1; Serial No. 467,683; published May 23, 1944.
Plastic base identification badges, luminous wall decorations, etc., Luminous coated. A. Lundmark. 408,331; Aug. 1.
Plates and dies, and plastic printing plates, Rubber printing. Theodore Moss Company. 408,315; Aug. 1; Serial No. 468,532; published May 23, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ballard, Seaver A., Oakland, and V. E. Haury, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Insecticide. Re. 22,524; Aug. 1.
Electric Controller & Manufacturing Company, The. (See White, Paul G., assignor.)
Haury, Vernon E. (See Ballard, S. A., and Haury.)
Limpert, Alexander S., et al., executors. (See Limpert, Sylvester A. and A. S.)
Limpert, Katherine, et al., executors. (See Limpert, Sylvester A. and A. S.)
Limpert, Sylvester A., deceased, by K. E. and A. S. Limpert, executors, and A. S. Limpert, Bay Shore, N. Y.; said executors assignors to K. E. Limpert. Rotary reciprocating compressor. Re. 22,526; Aug. 1.
Shell Development Company. (See Ballard, S. A., and Haury, assignors.)
White, Paul G., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Limit switch and control system combination. Re. 22,525; Aug. 1.

LIST OF PLANT PATENTEES

Bowen, John C., Menlo Park, Calif. Thornless blackberry plant. 635; Aug. 1.

LIST OF DESIGN PATENTEES

Advertising Agencies Service Co. (See Powers, Frank, assignor.)
American Hoist & Derrick Company. (See Potter, K. F., Ljungkull, and Gray, assignors.)
Armstrong, Gordon, Cleveland, Ohio. Portable baby incubator. 138,411; Aug. 1.
Aro Equipment Corporation, The. (See Fitch, Clifford E., assignor.)
Baird, William M., Chicago, Ill. Refrigerated locker unit. 138,391; Aug. 1.
Bausch & Lomb Optical Company. (See Stegeman, Raymond F. E., assignor.)
Bernard, William E., Pittsfield, Mass. Spirit level. 138,392; Aug. 1.
Bush, Herman, New York, N. Y. Picture frame or similar article. 138,393; Aug. 1.
Cole Electric Products Co. (See Cole, Thomas M., assignor.)
Cole, Thomas M., New York, assignor to Cole Electric Products Co., Inc., Long Island City, N. Y. Electric switch casing. 138,405; Aug. 1.
Conover, Robert E., assignor to The Sheffield Corporation, Dayton, Ohio. Base for machine tools or the like. 138,412; Aug. 1.
Douglass, Irma L. and L. E., Chicago, Ill. Fish lure. 138,415; Aug. 1.
Douglass, Lincoln E. (See Douglass, Irma L. and L. E.)
Fernandez, Arnold, U. S. Army. Mechanical pencil or similar article. 138,416; Aug. 1.
Fitch, Clifford E., assignor to The Aro Equipment Corporation, Bryan, Ohio. Impact wrench unit or the like. 138,417; Aug. 1.
Gray, Donald C. (See Potter, K. F., Ljungkull, and Gray.)
Hadley, Harold F., Defiance, Ohio. Combined air horn and actuator. 138,406; Aug. 1.
Hanna, Howard H., Denver, Colo. Lapel ornament. 138,394; Aug. 1.
Haynes, Paul D., Electra, Tex. Game board. 138,407; Aug. 1.
Hoshafian, Lucy, New York, N. Y. Dress. 138,418; Aug. 1.
Hoshafian, Lucy, New York, N. Y. Dress. 138,419; Aug. 1.
Hoshafian, Lucy, New York, N. Y. Dress. 138,420; Aug. 1.
Howard, Styles T., Jeffersonville, Ind. Cooking vessel cradle. 138,395; Aug. 1.
Knapp-Monarch Company. (See Kochner, W. B., and Ward, assignors.)
Kochner, William B., St. Louis, Mo., and L. T. Ward, Newark, N. J., assignors to Knapp-Monarch Company, St. Louis, Mo. Combined gauge and safety valve unit for rubber boats or the like. 138,421; Aug. 1.
Lambert Bros. Jewelers, Inc. (See Lambert, H. L., and Schodlbauer, assignors.)
Lambert, Henry L., and E. Schodlbauer, assignors to Lambert Bros. Jewelers, Inc., New York, N. Y. Bill clip or similar article. 138,396; Aug. 1.
Ljungkull, Rolf E. (See Potter, K. F., Ljungkull, and Gray.)
MacDonnell, James S., Denver, Colo. Holder for parking meter change. 138,397; Aug. 1.
Mitchell, Alex A., Portland, Oreg. Bathing suit or similar article. 138,422; Aug. 1.
Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Rear sight for firearms. 138,423; Aug. 1.
Mossberg, O. F., & Sons, Inc. (See Mossberg, Harold F., assignor.)
Nellis, Le Roy J., Elyria, Ohio. Electrode holder. 138,408; Aug. 1.
Palliser, Leonard, New York, N. Y. Bill clip or similar article. 138,424; Aug. 1.
Paul, Richard, Newark, N. J. Can or similar article. 138,409; Aug. 1.
Potter, Kenneth F., and R. E. Ljungkull, St. Paul, and D. C. Gray, Rose Township, Ramsey County, assignors to American Hoist & Derrick Company, St. Paul, Minn. Winch. 138,425; Aug. 1.
Powers, Frank, assignor to Advertising Agencies Service Co., Inc., New York, N. Y. Box or similar article. 138,413; Aug. 1.
Reynolds, Edwin, Vineland, N. J. Separator for egg yolk and whites or similar article. 138,398; Aug. 1.
Rice, Ethel, New York, N. Y. Doll or similar article. 138,399; Aug. 1.
Roh, Loyal F., Grand Rapids, Mich. Cribbage board. 138,400; Aug. 1.
Schodlbauer, Erwin. (See Lambert, H. L., and Schodlbauer.)
Sheffield Corporation. (See Conover, Robert E., assignor.)
Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Refractometer. 138,401; Aug. 1.
Stein, Michael G., Brooklyn, N. Y. Dress. 138,414; Aug. 1.
Sternberg, Max, San Francisco, Calif. Cigarette lighter. 138,410; Aug. 1.
Steward, William H., Chicago, Ill. Toy vehicle. 138,402; Aug. 1.
Ward, Lawrence T. (See Kochner, W. B., and Ward.)
White, George E., Bradenton, Fla. Vase or similar article of manufacture. 138,403; Aug. 1.
Wiener, Jack, New York, N. Y. Embroidered trimming or the like. 138,404; Aug. 1.
Wilkens, Emily, New York, N. Y. Dress. 138,426; Aug. 1.
Wilkens, Emily, New York, N. Y. Dress. 138,427; Aug. 1.
Wilkens, Emily, New York, N. Y. Dress ensemble. 138,428; Aug. 1.
Wilkens, Emily, New York, N. Y. Dress ensemble. 138,429; Aug. 1.
Wilkens, Emily, New York, N. Y. Dress. 138,430; Aug. 1.
Wilkens, Emily, New York, N. Y. Dress. 138,431; Aug. 1.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1st DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Matthew C., Ipswich, Mass., assignor to Sylvania Electric Products Inc. Electric discharge device circuit. 2,354,654; Aug. 1.

Abgarian, Aram. (See Simpson, H. W., and Abgarian.)

Abington Textile Machinery Works. (See Clark, Ernest, assignor.)

Adams, Donald L. (See Oehler, A. W., Adams, and Harter.)

Addicks, Walter E., Wellesley Hills, Mass., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 2,354,787; Aug. 1.

Adel Precision Products Corp. (See Morehouse, Eugene M., assignor.)

Agriculture of the United States of America, Claude R. Wickard, and his successors, Secretary of. (See Carter, R. H., and Goldsworthy, assignors.)

Aircraft Screw Products Company. (See Haas, O., and Hawkins, assignors.)

Air-Maze Corporation. (See Walton, George M., assignor.)

Air Preheater Corporation, The. (See Waitkus, Joseph, assignor.)

Air Preheater Corporation, The. (See Yerrick, W. D., Holm, and Jensen, assignors.)

Alien Property Custodian. (See Bikkers, Alexander.)

Alien Property Custodian. (See Ku, Chain K., assignor.)

Allen, Edward M., Copley, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Producing calcium carbonate. 2,354,788; Aug. 1.

Allen, Wayne H., Lynn, Mass., assignor to General Electric Company. Impeller. 2,354,653; Aug. 1.

Almy, Ernest G., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Antioffset composition. 2,354,979; Aug. 1.

Aluminum Company of America. (See Fletcher, Boynton J., assignor.)

American Brake Shoe Company. (See Ratkowski, Thomas A., assignor.)

American Can Company. (See Martin, William M., assignor.)

American Cyanamid Company. (See Cook, E. W., and Thomas, assignors.)

American Maize-Products Company. (See Schopmeyer, H. H., and Felton, assignors.)

American Optical Company. (See Splaine, E. M., and Lehmberg, assignors.)

American Racing Pigeon Union, The. (See Woodhall, Edwin J., assignor.)

American Steel Foundries. (See Baselt, Walter H., assignor.)

American Steel Foundries. (See Heater, Charles L., assignor.)

American Steel Foundries. (See Tack, Carl E., assignor.)

American Viscose Corporation. (See Bradnack, J. H., Thompson, and Folmer, assignors.)

Anderson, Victor G., New Rochelle, and L. Muller, Merrick, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Thermostatic device. 2,354,655; Aug. 1.

Anderson, Waldemar E., Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shockproof base. 2,354,642; Aug. 1.

Andrea, Fred, New Richmond, Wis. Locking device for cans. 2,354,935; Aug. 1.

Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Heater for fluids. 2,354,643; Aug. 1.

Annesley, Griffith, New York, N. Y. Drill bit. 2,354,656; Aug. 1.

Ardell, Edgar. (See Kimball, W. D., and Ardell.)

Arey, Ralph G., Swampscott, Mass. Shaver. 2,354,657; Aug. 1.

Armstrong Cork Company. (See Emanuel, Edward C., assignor.)

Arras, Damiano, Chester, Conn. Reciprocating pump. 2,354,980; Aug. 1.

Arthur, Charles E., Napa, Calif. Closing and locking mechanism for doors. 2,355,025; Aug. 1.

Asaro, Vito, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring structure. 2,354,728; Aug. 1.

Ashworth, Fred, Wenham, and C. F. Whitaker, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,354,729; Aug. 1.

Ashworth, Fred, Wenham, and C. F. Whitaker, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,354,730; Aug. 1.

Ashworth, Fred, Wenham, and C. F. Whitaker, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,354,731; Aug. 1.

Atlas Powder Company. (See Almy, Ernest G., assignor.)

Atwood, Lyle C., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Automobile door hinge. 2,354,789; Aug. 1.

Atwood Vacuum Machine Company, The. (See Atwood, Lyle C., assignor.)

Automatic Products Company. (See Boerner, Arthur R., assignor.)

Automatic Products Company. (See Johnson, R. W. Biermann, and Pawelsky, assignors.

Automatic Products Company Limited. (See Eves, Frederick S., assignor.)

Averill, Charles. (See Eastes, J. W., and Averill.)

Ayres, Fred D. (See Muskat, I. E., and Ayres.)

B-L Electric Manufacturing Company. (See Peters, Carl E., assignor.)

Bailey, Russell L., Washington, D. C., and L. J. Hennessy, Baltimore, Md. Airplane scaffold. 2,354,905; Aug. 1.

Bailey, Russell L., Washington, D. C., and L. J. Hennessy, Baltimore, Md. Airplane scaffold. 2,354,906; Aug. 1.

Baird, Elinor, Los Angeles, Calif. Controlling the percentage of water in liquid and solid carbon dioxide. 2,354,732; Aug. 1.

Baldwin, Edward T., River Forest, assignor to Teletype Corporation, Chicago, Ill. Transmitter. 2,354,733; Aug. 1.

Balstad, Edward, Philadelphia, Pa. Revolving turret assembly and anchorage. 2,354,644; Aug. 1.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerley, R. I. Ink distribution for rotary printing presses. 2,354,981; Aug. 1.

Barber, Ira J., assignor to The Fostoria Pressed Steel Corporation, Fostoria, Ohio. Radiant heat treating and apparatus therefor. 2,354,658; Aug. 1.

Barker, Clemon W., Wichita, Kans. Work-holding device having a ball and socket as a means for universal adjustment. 2,354,937; Aug. 1.

Barkley, Charles L., Pfafftown, N. C. Engine drive for vehicles. 2,354,734; Aug. 1.

Barnard, Kenneth H., Stamford, Conn., assignor to Pacific Mills, Boston, Mass. Coated fabric insulation tape and process. 2,355,038; Aug. 1.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,354,972; Aug. 1.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,354,973; Aug. 1.

Bastian-Blessing Company, The. (See Mills, E. L., and Sundstrom, assignors.)

Bateman, Paul, San Diego, Calif. Filter. 2,354,645; Aug. 1.

Baugh, Everett L. (See Rasmussen, O., and Baugh.)

Baxhaw, Willis O., and J. O. Parr, Jr., assignors to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,354,650; Aug. 1.

Beck, Bjorn O., Newark, Ohio. Shuttlecock. 2,354,790; Aug. 1.

Bell, Richmond T., Deerfield, assignor to The Pure Oil Company, Chicago, Ill. High octane motor fuel and producing same. 2,354,646; Aug. 1.

Bell Telephone Laboratories, Incorporated. (See Jones, R. C., O'Neil, and Wente, assignors.)

Bell Telephone Laboratories, Incorporated. (See Owens, Emmett L., assignor.)

Bellamy, John L., Brookfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone switch and system. 2,354,660; Aug. 1.

Beloit Iron Works. (See Hornbostel, Lloyd, assignor.)

Bennett, Ralph S., and S. R. Smith, Jr., Pittsfield, Mass., assignors to General Electric Company. Electric switch. 2,354,907; Aug. 1.

Bensinger, Charles H., Dearborn, Mich. Tool. 2,354,735; Aug. 1.

Berejkoff, Anatole P., Schenectady, N. Y., assignor to General Electric Company. Cathode-ray tube and assembly. 2,354,661; Aug. 1.

Berthold, Walter K., Rockville, assignor to Hartford-Empire Company, Hartford, Conn. Glassware transferring and conveying apparatus. 2,355,036; Aug. 1.

Bethlehem Steel Company. (See Kleinschmidt, R. V., and Washken, assignors.)

Biermann, William A. (See Johnson, R. W., Biermann, and Pawelsky.)

Bignell, Edward, assignor to E. C. Bignell, Los Angeles, Calif. Apparatus for sinking piles. 2,354,936; Aug. 1.

Bignell, Emma C. (See Bignell, Edward, assignor.)

Bikkers, Alexander, The Hague, Netherlands; vested in the Alien Property Custodian. Absorption machine containing an inert auxiliary gas. 2,354,982; Aug. 1.

Binneweg, Abraham, Jr., Oakland, Calif. Radio with vacuum chamber. 2,354,908; Aug. 1.

Blum, Gustave K., and A. E. Peters, York, assignors to The McKay Company, Pittsburgh, Pa. Yielding pressure welding. 2,354,983; Aug. 1.

Blusson, Ronald H., Vancouver, British Columbia, Canada. Sawdust burner feeder. 2,354,647; Aug. 1.

Boerner, Arthur R., assignor, by mesne assignments, to Automatic Products Company, Milwaukee, Wis. Chair iron. 2,354,736; Aug. 1.

Böhle, Kurt. (See Tschesche, R., and Böhle.)

Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Two-way valve mechanism. 2,354,791; Aug. 1.

Bolt, Carel C. (See Oppenauer, R., and Bolt.)

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Drilling mud. 2,354,648; Aug. 1.

Borah, John E., Osceola, Ind. Extensible rack. 2,354,938; Aug. 1.

Borg-Warner Corporation. (See Reed, Harold V., assignor.)

Boston Wire Stitcher Company. (See Lindstrom, Charles M., assignor.)

Bowles, Leroy R. (See Lockwood, Elmer A., assignor.)

Bradnack, John H., and D. C. Thompson, Roanoke, Va., and H. C. R. Folmer, Swarthmore, Pa., assignors to American Viscose Corporation, Wilmington, Del. Skein winding machine. 2,354,792; Aug. 1.

Bristow, James J. R. (See Walker, C. S., Skinner, and Bristow.)

Brock, John B., Adairsville, assignor to J. H. Cutler, Columbus, Ga. Conveying mechanism. 2,354,939; Aug. 1.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,354,793; Aug. 1.

Brown, Ben F., Zanesville, Ohio. Combination scale. 2,354,737; Aug. 1.

Brown Instrument Company, The. (See Krogh, Anker E., assignor.)

Bruckner, Robert E., assignor to Kimble Glass Company, Vineland, N. J. Dental syringe. 2,354,649; Aug. 1.

Bryce, Robert S., assignor to Eastman Kodak Company, Rochester, N. Y. Sizing paper. 2,354,662; Aug. 1.

Budd, Edward G., Manufacturing Company. (See Dean, Albert G., assignor.)

Budd Wheel Company. (See Strickland, Harold A., Jr., assignor.)

Buehler, Walter A., Cucamonga, Calif. Apparatus for manufacturing tanks and the like. 2,354,794; Aug. 1.

Burby, Philip E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,354,663; Aug. 1.

Burgess, Frank E., assignor to Burgess-Norton Manufacturing Company, Geneva, Ill. Making endless track treads. 2,354,650; Aug. 1.

Burgess-Norton Manufacturing Company. (See Burgess, Frank E., assignor.)

Buttner, Arnold, Flushing, N. Y., assignor of one-half to Trump Products Corporation, New York, N. Y. Switch control. 2,354,651; Aug. 1.

Buxton, Incorporated. (See Broughton, Douglas J., assignor.)

California Fruit Growers Exchange. (See Platt, William C., assignor.)

Cantor, Sidney M., Riverside, and K. C. Hobbs, Berwyn, Ill., assignors to Corn Products Refining Company, New York, N. Y. Conversion of dextrose to levulose. 2,354,664; Aug. 1.

Carlson, Gustaf H., Pearl River, assignor to Lederle Laboratories, Inc., New York, N. Y. Preparation of β-alanine amide by reduction of cyanoacetamide. 2,354,909; Aug. 1.

Carlson, Gustaf H., and D. T. Rogers, Pearl River, assignors to Lederle Laboratories, Inc., New York, N. Y. Parenteral solution of anti-hemorrhagic compounds. 2,354,738; Aug. 1.

Carmody, Don R., Whiting, Ind., and B. L. Evering, and E. L. d'Ouville, assignors to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion. 2,354,652; Aug. 1.

Carpenter, Charles R., Robbinsdale, Minn. Fish stringer and the like. 2,354,848; Aug. 1.

Carter, Roscoe H., Washington, D. C., and M. C. Goldsworthy, Takoma Park, Md., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors. Fungicide. 2,354,940; Aug. 1.

Castle, Kent S., San Francisco, Calif. Ventilator. 2,354,795; Aug. 1.

Causer, Mabel D., Sarasota, Fla. Foldable and extensible sock stretcher and drier. 2,354,849; Aug. 1.

Chain Belt Company. (See Longenecker, Charles I., assignor.)

Chain Belt Company. (See McCann, John F., assignor.)

Chapman, Flavious J., Catawba Sanatorium, Va. Landing net. 2,354,942; Aug. 1.

Chatfield, Franklin. (See Donaldson, E., and Chatfield.)

Chernow, Michael, New York, N. Y. Jewelry. 2,354,984; Aug. 1.

Chicago Bridge & Iron Company. (See Lebedeff, Michael N., assignor.)

Church, Joseph H., U. S. Army, Austin, Minn., and E. A. Ruestow, U. S. Army, Cleveland, Ohio. Protecting against attacking aircraft. 2,354,665; Aug. 1.

Cinnamon Bun Machine Co. (See Grimm, W. C., and Linneman, assignor.)

Clark, Ernest, Brockton, assignor to Abington Textile Machinery Works, Boston, Mass. Depositing apparatus. 2,354,796; Aug. 1.

Clark, Kenneth C., Watsonville, Calif. Double track auxiliary wheel and tire carrier. 2,354,943; Aug. 1.

Clark, Kenneth C., Watsonville, Calif. Single track auxiliary wheel and tire carrier. 2,354,944; Aug. 1.

Clarke, Robert E. (See Gloss, G. H., and Clarke.)

Clausen, Henry P., White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn. Sound recording machine. 2,354,739; Aug. 1.

Cocozella, Anthony, Lynn, Mass. Shoemaking. 2,354,797; Aug. 1.

Cohen, Theodore A. (See Ostermann, H. J., and Cohen.)

Cohen, Theodore A., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Electronic tube. 2,354,946; Aug. 1.

Cohen, Theodore A., and H. J. Ostermann, assignors, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Liquid level sensitive apparatus. 2,354,945; Aug. 1.

Collins, Howard W. (See Meyer, W. E., and Collins.)

Colwell, Archie T., assignor to Thompson Products Incorporated, Cleveland, Ohio. Hollow head poppet valve. 2,354,947; Aug. 1.

Combustion Engineering Company. (See Ladd, Tallman, assignor.)

Communication Measurements Laboratory. (See Griffin, Dana A., assignor.)

Cook, Curtiss L., and A. E. Young, assignors to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Tractor controlled harrow. 2,354,850; Aug. 1.

Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Stabilization of motor fuels. 2,354,798; Aug. 1.

Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Heat control device. 2,354,910; Aug. 1.

Corn Products Refining Company. (See Cantor, S. M., and Hobbs, assignors.)

Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)

Couse, Kibbey W., Newark, N. J. Combination scoop-and-boom structure. 2,354,740; Aug. 1.

Crane Co. (See Fawkes, Donald G., assignor.)

Crane Co. (See Jadach, Andrew, assignor.)

Crane Co. (See Stone, Carl R., assignor.)

Crane, Harry, Philadelphia, Pa. Article dispensing container. 2,354,741; Aug. 1.

Crompton & Knowles Loom Works. (See Whitin, Herbert A., assignor.)

Crosby, Murray G., Riverside, N. Y., assignor to Radio Corporation of America. Phase modulation. 2,354,799; Aug. 1.

Cunningham, George L., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Producing alkali-metal sulphides, selenides, and tellurides. 2,354,742; Aug. 1.

Curtis, Thomas E. (See Gussow, W. A., and Curtis.)

Cutler-Hammer, Inc. (See Addicks, Walter E., assignor.)

Cutler-Hammer, Inc. (See Feldhausen, Cyril P., assignor.)

Cutler, Jessie H. (See Brock, John B., assignor.)

Danforth, Joseph D., assignor to Universal Oil Products Company, Chicago, Ill. Effecting hydrocarbon conversion reactions. 2,354,851; Aug. 1.

Danforth, Richard S., Berkeley, Calif. Twin-fluke anchor. 2,354,666; Aug. 1.

Davis, Charles H., Alexandria, Va. Drill. 2,354,985; Aug. 1.

Deakin, Gerald, New York, N. Y., and H. F. Herbig, Madison, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Electric selection controlling circuit. 2,354,667; Aug. 1.

Deakin, Gerald, New York, N. Y., and H. F. Herbig, Madison, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Electric selection controlling circuit. 2,354,668; Aug. 1.

Deal, Harmon B., Glen Ridge, N. J., assignor to Radio Corporation of America. Multiple frequency source. 2,354,800; Aug. 1.

Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Side sill construction for rail car bodies. 2,354,852; Aug. 1.

Deere & Company. (See Oehler, A. W., Adams, and Harter, assignors.)

Deere & Company. (See Silver, Walter H., assignor.)

Deere & Company. (See Strandlund, Carl G., assignor.)

De Huff, Paul, Los Angeles, Calif. Rafter seat. 2,354,801; Aug. 1.

Detroit Harvester Company. (See Simpson, H. W., and Abgarian, assignors.)

Dewey, David B., Pasadena, Calif. Controlling feathering members. 2,354,948; Aug. 1.

Dixon, Ralph, New Rochelle, N. Y. Harvesting mechanism. 2,354,986; Aug. 1.

Dobbs, Effie E., Texas City, Tex. Flashlight holder. 2,354,853; Aug. 1.

Doke, Ernest G., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Floor clip. 2,354,802; Aug. 1.

Doll, Howard F., Racine, Wis., assignor to The Dumore Company. Electric clutch and brake mechanism. 2,354,854; Aug. 1.

Donaldson, Eleanor, and F. Chatfield; said Chatfield, assignor to Munsingwear, Inc., Minneapolis, Minn. Undergarment. 2,354,669; Aug. 1.

Douglas, Wallace R. and W. H., Crete, Nebr. Voting booth assembly. 2,354,743; Aug. 1.

Douglas, William H. (See Douglas, Wallace R. and W. H.)

D'Ouville, Edmond L. (See Carmody, D. R., Evering, and d'Ouville.)

Dreyfus, Camille, New York, N. Y. Producing shaped resinous artificial materials. 2,354,744; Aug. 1.

Dreyfus, Camille, New York, N. Y. Producing artificial shaped articles. 2,354,745; Aug. 1.

Drummond, Robert S., Detroit, Mich. Gear finishing. 2,354,670; Aug. 1.

Dubruiel, Omar F. (See McGill, C. T., and Dubruiel.)

Ducavich, Sam, Chicago, Ill. Folding wheel chair. 2,354,949; Aug. 1.

Dumore Company, The. (See Doll, Howard F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Rulon, Joseph K., assignor.)

Duzmal, Stan E., Richmond, Calif., Attachment device. 2,354,746; Aug. 1.

Eastes, John W., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Insoluble nitrogenous resin from polyphenylol sulphur compounds. 2,354,671; Aug. 1.

Eastes, John W., Philadelphia, Pa., and C. Averill, Boston, Mass., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Nitrogenous resin from catechol type tannins. 2,354,672; Aug. 1.

Eastin, Lester H., et al. (See Fusco, Carlo J., assignor.)

Eastman Kodak Company. (See Bryce, Robert S., assignor.)

Eastman Kodak Company. (See Hull, David C., assignor.)

Edison General Electric Appliance Company. (See Winborne, Russell A., assignor.)

Edwards, Martin A., D. E. Garr, and G. E. Shaad, Schenectady, N. Y., assignors to General Electric Company. Furnace control system. 2,354,911; Aug. 1.

Eger, Ernst, Grosse Pointe Park, Mich., assignor to United States Rubber Company, New York, N. Y. Safety inner tube. 2,354,912; Aug. 1.

Einzig, Henry, assignor to Stemar Displays Company, Chicago, Ill. Binding device. 2,355,037; Aug. 1.

Electric Storage Battery Company, The. (See Woodbridge, Joseph L., assignor.)

Elgin National Watch Company. (See Kohlhagen, Walter, assignor.)

Elgin Softener Corporation. (See McGill, C. T., and Dubruiel, assignors.)

Ellis, Berne J., et al. (See Fusco, Carlo J., assignor.)

Emanuel, Edward C., assignor to Armstrong Cork Company, Lancaster, Pa. Container closure. 2,354,855; Aug. 1.

Epstein, Milton, and F. B. Fillo, St. Louis, Mo. Incinerator. 2,354,747; Aug. 1.

Erisman, Adolph C., Port Richmond, and M. C. Smith, Elmhurst, N. Y. Operating mechanism for registering devices. 2,354,951; Aug. 1.

Erwin, Ransome W., Tyler, Tex., assignor to Salt Water Control, Inc. Treating crude oil and emulsion from oil wells. 2,354,856; Aug. 1.

Evans, Robert B., Grosse Pointe, Mich. Venetian blind. 2,354,803; Aug. 1.

Evering, Bernard L. (See Carmody, D. R., Evering, and d'Ouville.)

Eves, Frederick S., assignor to Automotive Products Company Limited, Leamington Spa, England. Variable pitch propeller, particularly for watercraft. 2,355,039; Aug. 1.

Fabian, Louis, assignor to S. Lovrenchich, Toledo, Ohio. Machine tool. 2,354,673; Aug. 1.

Falge, Robert N., and H. C. Mead, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Motor vehicle lamp. 2,354,804; Aug. 1.

Fawkes, Donald G., assignor to Crane Co., Chicago, Ill. Toggle operated valve. 2,354,987; Aug. 1.

Fearon, Robert E. (See Silverman, D., and Fearon.)

Feldhausen, Cyril P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Printing press drive. 2,354,950; Aug. 1.

Felton, George E. (See Schopmeyer, H. H., and Felton.)

Fey, Lincoln H., Northfield, Minn. Anchor rope mechanism. 2,354,805; Aug. 1.

Fillo, Francis B. (See Epstein, M., and Fillo.)

Fisher, Ernest F., Passaic, N. J. Air and gas washer. 2,354,674; Aug. 1.

Fisher, Ernest F., Passaic, N. J. Dust collection and reduction apparatus. 2,354,675; Aug. 1.

Fisher, Ernest F., Boston, Mass. Gas cleaner. 2,354,676; Aug. 1.

Fisher, Ernest F., Boston, Mass. Air and gas cleaner. 2,354,677; Aug. 1.

Fisher, Ernest F., Boston, Mass. Gas cleaner and washer. 2,354,678; Aug. 1.

Fix, Frank, Detroit, Mich. Valve for internal-combustion engines. 2,354,988; Aug. 1.

Fletcher, Boynton J., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Extensible assembly. 2,354,806; Aug. 1.

Folmer, Herman C. R. (See Bradnack, J. H., Thompson, and Folmer.)

Fostoria Pressed Steel Corporation, The. (See Barber, Ira J., assignor.)

Fox, John H., Pittsburgh, and W. O. Lytle, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company. Manufacture of vesicular glass. 2,354,807; Aug. 1.

Frankel, Leo, Chicago, Ill. Projector. 2,354,679; Aug. 1.

Franklin, Albert W., New York, N. Y. Mounting device. 2,354,748; Aug. 1.

Fusco, Carlo J., assignor of forty-five per cent to B. J. Ellis, San Francisco, and ten per cent to L. H. Eastin, Fresno, Calif. Apparatus for wrapping. 2,354,989; Aug. 1.

Ganci, Charles J., New York, N. Y., assignor to Ward Leonard Electric Company. Rheostat. 2,354,808; Aug. 1.

Garr, Donald E. (See Edwards, M. A., Garr, and Shaad.)

General Aircraft Corporation. (See Koppen, Otto C., assignor.)

General Electric Company. (See Allen, Wayne H., assignor.)

General Electric Company. (See Bennett, R. S., and Smith, Jr., assignors.)

General Electric Company. (See Berejkoff, Anatole P., assignor.)

General Electric Company. (See Cook, Leonard W., assignor.)

General Electric Company. (See Edwards, M. A., Garr, and Shaad, assignors.)

General Electric Company. (See Kearsley, William K., assignor.)

General Electric Company. (See Norris, Rollin H., assignor.)

General Electric Company. (See Propernick, August A., assignor.)

General Electric Company. (See Stratton, Jerry L., assignor.)

General Motors Corporation. (See Falge, R. N., and Mead, assignors.)

General Motors Corporation. (See Kucher, A. A. McCormach, and Wolcott, assignors.)

General Motors Corporation. (See Rasmussen, O., and Baugh, assignors.)

General Motors Corporation. (See Reid, William L., assignor.)

General Motors Corporation. (See Rike, Richard C., assignor.)

General Motors Corporation. (See Thornburg, Herbal A., assignor.)

General Radio Company. (See Tuttle, William N., assignor.)

Gerhard, Sherman L., La Grange, Ga., assignor to United States Rubber Company, New York, N. Y. Controlling the tension of strands. 2,354,913; Aug. 1.

Gibson Refrigerator Company. (See Roth, Joseph N., assignor.)

Gilbert, Horace M. and W. H., H. S., and J. W. Tunningley, Gaines, Mich. Conveying and elevating machine. 2,354,990; Aug. 1.

Gilpin, Garth G., Riverside, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car end wall. 2,354,680; Aug. 1.

Gits, Joseph A. and J. P., Chicago, Ill. Molded indicia-bearing product and making same. 2,354,857; Aug. 1.

Gits, Joseph P. (See Gits, Joseph A. and J. P.)

Glasgow, Clarence O. (See Walker, J. P., and Glasgow.)

Globe Machine & Stamping Company, The. (See McFerron, Alfred V., assignor.)

Gloss, Gunter H., Belmont, and R. E. Clarke, Palo Alto, assignors to Marine Magnesium Products Corporation, San Francisco, Calif. Filler or pigment product and manufacture. 2,354,858; Aug. 1.

Godwin, Owen L., Sebring, Fla. Display rack. 2,354,859; Aug. 1.

Goldstein, Max, New York, N. Y. Riveting tool and riveting. 2,354,914; Aug. 1.

Goldstine, Hallan E., Rocky Point, N. Y., assignor to Radio Corporation of America. Transmission line load for high frequencies. 2,354,809; Aug. 1.

Goldsworthy, Marion C. (See Carter, R. H., and Goldsworthy.)

Goodman Manufacturing Company. (See Stoltz, Charles E., assignor.)

Gorton, George, Machine Co. (See Miller, Theodore, assignor.)

Gottlieb, Manious, Philadelphia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Gear pump. 2,354,992; Aug. 1.

Granberg, Albert J., Emeryville, Calif. Airport fueling system. 2,354,915; Aug. 1.

Gray Manufacturing Company, The. (See Clausen, Henry P., assignor.)

Griffin, Dana A., Plainfield, N. J., assignor to Communication Measurements Laboratory, New York, N. Y. Electrical communication. 2,354,749; Aug. 1.

Grimm, William C., and R. H. Linneman, assignors to Cinnamon Bun Machine Co., Inc., Jersey City, N. J. Bun making machine. 2,354,681; Aug. 1.

Gussow, William A., Birmingham, and T. E. Curtis, Homewood, Ala., assignors to Southern States Equipment Corporation. Electric switch. 2,354,991; Aug. 1.

Haas, Otto, Richmond Hill, and J. R. Hawkins, Flushing, assignors to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Securing wire inserts in tapped holes. 2,354,810; Aug. 1.

Hall, Harry C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric switch. 2,354,750; Aug. 1.

Hance, Lyle F. (See Stradling, J. G., and Hance.)

Harlan, John L., Houston, Tex., assignor to Standard Oil Development Company. Handling petroleum emulsions. 2,354,993; Aug. 1.

Harnsberger, Audley E., Winnetka, assignor to The Pure Oil Company, Chicago, Ill. Regeneration of spent treating solutions. 2,354,974; Aug. 1.

Harter, Shellman S. (See Oehler, A. W., Adams, and Harter.)

Hartford-Empire Company. (See Berthold, Walter K., assignor.)

Hartman, James W., Crichton, Ala. Poultry feeder. 2,354,751; Aug. 1.

Hartsock, Guy M., and H. S. Rounds, assignors to Mid-West Hydro-Pierce, Inc., Detroit, Mich. Tube perforating machine. 2,354,860; Aug. 1.

Hawkins, James R. (See Haas, Otto, and Hawkins.)

Haycock, George W. (See McGlashan, A., Haycock, and McMeekin.)

Heater, Charles L., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,354,975; Aug. 1.

Hellan, Haakon, Cleveland Heights, Ohio. Strainer. 2,354,752; Aug. 1.

Hennessy, Leroy J. (See Bailey, R. L., and Hennessy.)

Hensel, George L. (See Keuffel, A. W., and Hensel.)

Herbig, Henry F. (See Deakin, G., and Herbig.)

Herbiz, Henry F., Madison, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electric selection controlling circuit. 2,354,682; Aug. 1.

Hercules Powder Company. (See Rummelsburg, Alfred L., assignor.)

Hermann, Edward O., Mill Valley, Calif. Cargo brace for freight vehicles. 2,354,861; Aug. 1.

Hilton, Lewis D. (See Rector, L. L., and Hilton.)

Hinde & Dauch Paper Company, The. (See Larkin, Daniel A., assignor.)

Hobbs, Kenneth C. (See Cantor, S. M., and Hobbs.)

Holden, Artemas F., Northford, Conn. Salt bath furnace. 2,354,753; Aug. 1.

Holland, George W., administrator. (See Holland, Henry.)

Holland, Henry, deceased, Cleveland, by G. W. Holland, Lakewood, Ohio, administrator. Drainage intake. 2,354,994; Aug. 1.

Holm, Sven. (See Yerrick, W. D., Holm, and Jensen.)

Hopwood, John A., Great Neck, N. Y., assignor to Monitor Process Corporation, Jersey City, N. J. Remodeling milk cans. 2,345,995; Aug. 1.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Paper winder. 2,354,952; Aug. 1.

Houghton, Carl, Los Angeles, Calif. Precision prick punch. 2,354,862; Aug. 1.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of secondary alcohols. 2,354,683; Aug. 1.

Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Method and apparatus for embossing plastic sheet material. 2,354,916; Aug. 1.

Huston, William M., Lima, Ohio. Load handling equipment. 2,354,863; Aug. 1.

Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)

International-Stacey Corporation. (See McEwen, J., and Selberg, assignors.)

International Standard Electric Corporation. (See Deakin, G., and Herbig, assignors.)

International Standard Electric Corporation. (See Herbig, Henry F., assignor.)

Irwin, George W., Detroit, Mich. Antiaircraft device. 2,354,754; Aug. 1.

Jacuzzi, Candido, Berkeley, Calif. Pump system. 2,354,811; Aug. 1.

Jadach, Andrew, Cicero, assignor to Crane Co., Chicago, Ill. Ladle bail bearing and protector. 2,354,996; Aug. 1.

Jenkins, John D., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Separation of tall oil into its constituents. 2,354,812; Aug. 1.

Jenkins, Russell L., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of chlorinated diphenyl compounds. 2,354,813; Aug. 1.

Jensen, Arthur. (See Yerrick, W. D., Holm, and Jensen.)

Joesting, Frederick D., Oak Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostat. 2,354,814; Aug. 1.

Johnson, Roy W., W. A. Biermann, and V. R. Pawelsky, assignors to Automatic Products Company, Milwaukee, Wis. Oil control device. 2,354,755; Aug. 1.

Jones, Meredith, Seattle, Wash. Position-indicating mechanism. 2,354,917; Aug. 1.

Jones, Robert C., Summit, N. J., H. T. O'Neil, San Diego, Calif., and E. C. Wente, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Siren. 2,354,684; Aug. 1.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,354,685; Aug. 1.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,354,686; Aug. 1.

K & P Fancy Stitching Machine Co. (See Sturzlinger, Charles, assignor.)

Kay, Murray, New York, N. Y. Garment construction. 2,354,815; Aug. 1.

Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Temperature control system for electric heating devices. 2,354,918; Aug. 1.

Keith, Glenn, East Detroit, Mich., and A. H. Kirchner, Washington, D. C. Brake applying system. 2,354,687; Aug. 1.

Keller Tool Company. (See Shaff, Ernest H., assignor.)

Kellogg Switchboard and Supply Company. (See Bellamy, John I., assignor.)

Kerr, Ralph L., Houston, Tex. Rotary plug valve. 2,354,864; Aug. 1.

Keuffel, Adolf W., Montclair, and G. L. Hensel, Lyndhurst, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J. Measuring tape. 2,354,756; Aug. 1.

Keuffel & Esser Company. (See Keuffel, A. W., and Hensel.)

Kimball, Wallace D., Jackson Heights, N. Y., and E. Ardell, Middletown, assignors to Standard-Knapp Corporation, Portland, Conn. Labeling machine. 2,354,688; Aug. 1.

Kimble Glass Company. (See Bruckner, Robert E., assignor.)

Kinney, Andrew S., Redwood Falls, Minn. Card game. 2,354,953; Aug. 1.

Kirchner, Albert H. (See Keith, Glenn.)

Kleinschmidt, Robert V., Stoneham, and E. Washken, Cambridge, Mass., assignors by mesne assignments, to Bethlehem Steel Company. Refractory composition. 2,354,757; Aug. 1.

Klomp, Alfred W., assignor, by mesne assignments, to M. M. Matchett, Detroit, Mich. Fixture for gears. 2,354,816; Aug. 1.

Kohlhagen, Walter, assignor to Elgin National Watch Company, Elgin, Ill. Motion controlling device. 2,354,954; Aug. 1.

Koppen, Otto C., Newton, Mass., assignor to General Aircraft Corporation, Dover, Del. Airplane. 2,355,026; Aug. 1.

Kotelev, Serge G. and S. F., Long Island City, N. Y. Observation buoy. 2,354,758; Aug. 1.

Kotelev, Sophie F. (See Kotelev, Serge G. and S. F.)

Krogh, Anker E., Glenside, assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,354,997; Aug. 1.

Ku, Chain Ki, Kowloon, Hong Kong, China; vested in the Alien Property Custodian. Reading stand. 2,354,998; Aug. 1.

Kucher, Andrew A., Oakwood, A. A. McCormack, and G. W. Wolcott, assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,354,865; Aug. 1.

Ladd, Tallman, Garden City, assignor to Combustion Engineering Company, Inc., New York, N. Y. Combustion control. 2,354,999; Aug. 1.

Landers, Alton D., and F. H. Lindsay, Brockton, assignors to Woodard & Wright Last Co., East Bridgewater, Mass. Cutter mechanism for turning lasts or the like. 2,354,689; Aug. 1.

Lang, Edward H., assignor to The Pure Oil Company, Chicago, Ill. Manufacture of improved motor fuels. 2,354,866; Aug. 1.

Larkin, Daniel A., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Basket. 2,354,867; Aug. 1.

Law, Walter E., St. Paul, Minn. Sterilizer. 2,354,817; Aug. 1.

Lawrence, John J., Chester, Pa. Nursing bottle holder. 2,354,955; Aug. 1.

Lawson, Birdsall P., assignor to Pilling Chain Company, Providence, R. I. Mechanism for assembling sliders. 2,354,690; Aug. 1.

Lebedeff, Michael N., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Container. 2,354,691; Aug. 1.

Lederle Laboratories, Inc. (See Carlson, Gustaf H., assignor.)

Lederle Laboratories, Inc. (See Carlson, G. H., and Rogers, assignors.)

Lefler Corporation. (See Tandler, W. S., Walker, and Teller, assignors.)

Lehmberg, William H. (See Splaine, E. M., and Lehmberg.)

Leonard, Ward, Electric Company. (See Ganci, Charles J., assignor.)

Libshutz, Irving and M., Baltimore, Md. Uniform cap. 2,354,759; Aug. 1.

Libshutz, Morris. (See Libshutz, Irving and M.)

Liebrecht, Heinrich F., London, England. Power and motion transmission system. 2,355,000; Aug. 1.

Lindsay, Fred H. (See Landers, A. D., and Lindsay.)

Lindstrom, Charles M., East Greenwich, assignor to Boston Wire Stitcher Company, Warwick, R. I. Fastener-applying implement. 2,354,760; Aug. 1.

Linneman, Richard H. (See Grimm, W. C., and Linneman.)

Lippitt, Harry R., New York, N. Y. Electric sphygmometer. 2,354,818; Aug. 1.

Lockwood, Elmer A., Burbank, assignor to L. R. Bowles, Hollywood, Calif. Multiple clamping device. 2,354,919; Aug. 1.

Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Pulsation dampener for concrete-conveying pipe-line systems. 2,355,001; Aug. 1.

Lopez, Manuel S., Jr., Alameda, Calif. Manufacture of containers and apparatus therefor. 2,354,920; Aug. 1.

Lovrenchich, Stephen. (See Fabian, Louis, assignor.)

Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,354,957; Aug. 1.

Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Diaphragm pump. 2,354,958; Aug. 1.

Luckenbach, Richard B., Secane, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine apparatus. 2,354,761; Aug. 1.

Lutz, Frederick, Stuttgart, Germany, assignor to Union Special Machine Company, Chicago, Ill. Work arm sewing machine. 2,354,819; Aug. 1.

Lytle, William O. (See Fox, J. H., and Lytle.)

MacClatchie Manufacturing Company of California. (See Perry, Donald E., assignor.)

Machlett Laboratories, Inc. (See Machlett, Raymond R., assignor.)

Machlett, Raymond R., New Canaan, assignor to Machlett Laboratories, Inc., Springdale, Conn. Making bearings. 2,354,763; Aug. 1.

Mackenzie, Donald M., Vancouver, British Columbia, Canada, assignor to Magnetic Control Gate, Inc., Arcadia, Calif. Starting gate. 2,354,821; Aug. 1.

MacLean-Fogg Lock Nut Company. (See Doke, Ernest G., assignor.)

Magnetic Control Gate, Inc. (See Mackenzie, Donald M., assignor.)

Mallory, P. R., & Co. (See Hall, Harry C., assignor.)

Mallory, P. R., & Co. (See Wall, Alexander C., assignor.)

Malone, Emory J., Atlanta, Ga. Wardrobe bag. 2,355,002; Aug. 1.

Manning, Clarence F., assignor to Reynolds Metals Co., Richmond, Va. Moistureproof collapsible container. 2,355,027; Aug. 1.

Marine Magnesium Products Corporation. (See Gloss, G. H., and Clarke, assignors.)

Marks, Alvin M., Whitestone, Long Island, N. Y. Film shaping and laminating device. 2,354,692; Aug. 1.

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller blade ice preventer. 2,354,764; Aug. 1.

Martin, William M., Maywood, Ill., assignor to American Can Company, New York, N. Y. Liquid control system. 2,354,693; Aug. 1.

Martindell, Arthur C. (See Raines, A., and Martindell.)

Matchett, Mahlon M. (See Klomp, Alfred W., assignor.)

Mathieson Alkali Works, Inc., The. (See Cunningham, George L., assignor.)

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire support. 2,354,869; Aug. 1.

Mayberry, Milo G. (See McKinney, P. V., and Mayberry.)

McCann, John F., Springfield, Mass., assignor to Chain Belt Company, Milwaukee, Wis. Lubricating mechanism for sprocket chains. 2,355,003; Aug. 1.

McCarty, Frank L., New Bedford, Mass. Pocket envelope. 2,354,820; Aug. 1.

McClary, Archie W., Oakland, Calif. Metal drum. 2,354,921; Aug. 1.

McCormack, Alex A. (See Kucher, A. A., McCormack, and Wolcott.)

McCoy, Claudius T., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Amplitude-and frequency-modulation radio receiver. 2,354,959; Aug. 1.

McCulloch, William W., Baltimore, Md. Bottle handling device. 2,355,004; Aug. 1.

McEwen, John, and J. P. Selberg, Los Angeles, Calif., assignors to International-Stacey Corporation, Columbus, Ohio. Portable derrick. 2,354,922; Aug. 1.

McFerron, Alfred V., Rocky River, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Extinguisher. 2,354,762; Aug. 1.

McGill, Chester T., and O. F. Dubruiel, assignors to Elgin Softener Corporation, Elgin, Ill. Valve and automatic operating mechanism therefor. 2,354,694; Aug. 1.

McGlashan, Alexander, Glasgow, G. W. Haycock, Giffnock, and J. S. McMeekin, Glasgow, Scotland. Injector apparatus for the recovery of spilled beer and like beverages. 2,354,695; Aug. 1.

McGowan, Mary G., Fall River, Mass. Teaching time. 2,354,978; Aug. 1.

McKay Company, The. (See Blum, G. K., and Peters, assignors.)

McKinney, Paul V., and M. G. Mayberry, Pittsburgh, Pa., assignors to The Pure Oil Company, Chicago, Ill. Resilient plastic composition and making the same. 2,354,868; Aug. 1.

McMeekin, James S. (See McGlashan, A., Haycock, and McMeekin.)

McNamee, Bernard F., assignor to The Superior Oil Company, Los Angeles, Calif. Frictional resistance testing apparatus. 2,354,923; Aug. 1.

McNulty, John W., Ridley Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Marine condenser installation. 2,355,005; Aug. 1.

Mead, Howard C. (See Paige, R. N., and Mead.)

Meakin, Edgar T., San Francisco, Calif. Extrusion mill. 2,354,924; Aug. 1.

Messinger, William, Philadelphia, Pa., and A. Shayne, New York, N. Y. High-speed bearing. 2,354,870; Aug. 1.

Mettler, Hal C., assignor of one-half to L. Spencer, Los Angeles, Calif. Low frequency mobile glow discharge system. 2,354,696; Aug. 1.

Meyer, William E., Detroit, Mich., and H. W. Collins, Newark, Ohio; said Meyer assignor to Parker-Wolverine Company, Detroit, Mich., and said Collins assignor to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Camouflage fabricating machine. 2,354,765; Aug. 1.

Meyran, Laura R., Fresno, Calif. Pie lifter. 2,354,822; Aug. 1.

Mid-West Hydro-Pierce, Inc. (See Hartsock, G. M., and Rounds, assignors.)

Miller, Bernard M., Sheffield, England. Carving fork with removable guard. 2,354,766; Aug. 1.

Miller, Theodore, assignor to George Gorton Machine Co., Racine, Wis. Electric arc etching electrode. 2,354,871; Aug. 1.

Mills, Ellsworth L., and S. L. Sundstrom, assignors to The Bastian-Blessing Company, Chicago, Ill. Apparatus for and system of fluid supply. 2,354,925; Aug. 1.

Millspaugh, William H., Catawba Island, Ohio. Method and apparatus for making multi-ply paper sheets. 2,355,006; Aug. 1.

Miner, W. H., Inc. (See Olander, Roland J., assignor.)

Minneapolis-Honeywell Regulator Company. (See Joesting, Frederick D., assignor.)

Mitchell, Abraham J., Stratford, assignor to Mitchell-Bradford Chemical Company, Bridgeport, Conn. Measuring gange and making the same. 2,355,007; Aug. 1.

Mitchell-Bradford Chemical Company. (See Mitchell, Abraham J., assignor.)

Mitnick, Meyer, New York, N. Y. Record rack. 2,354,872; Aug. 1.

Monitor Process Corporation. (See Hopwood, John A., assignor.)

Monsanto Chemical Company. (See Jenkins, Russell L., assignor.)

Moore, Walter L., Ball, La. No slack chain coupler. 2,354,956; Aug. 1.

Moran, Robert P., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Camouflage structure. 2,355,008; Aug. 1.

Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Control valve. 2,354,960; Aug. 1.

Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of gasoline and the like. 2,354,873; Aug. 1.

Morway, Arnold J., Clark Township, Union County, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricant. 2,355,009; Aug. 1.

Muller, Caroline A., Minneapolis, Minn. Therapeutic garment. 2,354,697; Aug. 1.

Muller, Leonard. (See Anderson, V. G., and Muller.)

Munsingwear, Inc. (See Donaldson, E., and (Chatfield, assignor).)

Musher Foundation Incorporated. (See Musher, Sidney, assignor.)

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Oat Product. 2,355,028; Aug. 1.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Thickened aqueous composition and making the same. 2,355,029; Aug. 1.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Food composition. 2,355,030; Aug. 1.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Stabilization of sugar-containing food compositions. 2,355,031; Aug. 1.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Ice cream composition. 2,355,032; Aug. 1.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Plastic composition. 2,355,033; Aug. 1.

Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Receptacle for caustic alkali. 2,354,824; Aug. 1.

Muskat, Irving E., and F. D. Ayres, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Purification of caustic solutions. 2,354,823; Aug. 1.

Myers, Thomas G., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Seal for submersible structures. 2,354,874; Aug. 1.

National Lock Washer Company, The. (See Schunk, Joseph, assignor.)

National Tank Company. (See Walker, J. P., and Glasgow, assignors.)

National Tinsel Manufacturing Company. (See Protz, William C., assignor.)

Nokes, Philip E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Area measuring machine. 2,354,767; Aug. 1.

Nokes, Philip E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Electrical counter. 2,354,768; Aug. 1.

Norris, Rollin H., Schenectady, N. Y., assignor to General Electrical Company. Gas turbine. 2,354,698; Aug. 1.

Novick, Abraham, Finshing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Decurling envelope flaps. 2,354,825; Aug. 1.

O'Donnell, William A., Detroit, Mich. Universal joint. 2,354,961; Aug. 1.

Oehler, Alvin W., and D. L. Adams, Moline, and S. S. Harter, East Moline, assignors to Deere & Company, Moline, Ill. Windrower. 2,354,962; Aug. 1.

Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)

Ohio Brass Company, The. (See Smith, Edward P., assignor.)

Ohlsson, Olof A., Stockholm, Sweden. Combustion device. 2,354,963; Aug. 1.

O'Kane, Thomas J., Park Ridge, Ill. Visible record. 2,354,769; Aug. 1.

Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,354,826; Aug. 1.

O'Neil, Horace T. (See Jones, R. C., O'Neil, and Wente.)

Oppenauer, Rupert, Amsterdam, and C. C. Bolt, Oss, Netherlands, assignors to Roche-Organon Inc., Nutley, N. J. Recovering hydroxy-3-etiocholenic acid and its esters. 2,354,875; Aug. 1.

Ostermann, Hans J. (See Cohen, T. A., and Ostermann.)

Ostermann, Hans J., and T. A. Cohen, assignors, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Liquid level sensitive apparatus. 2,354,964; Aug. 1.

Ostermann, Hans J., and T. A. Cohen, assignors, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Electrical input controller. 2,354,965; Aug. 1.

Owens, Calvin A., Los Angeles, Calif. Treating cementitious objects. 2,354,876; Aug. 1.

Owens-Corning Fiberglas Corporation. (See Collins, Howard W., assignor.)

Owens, Emmett L., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound generator. 2,354,699; Aug. 1.

Pacific Mills. (See Barnard, Kenneth H., assignor.)

Panza, Anthony and W. E., Los Angeles, Calif. Collet attachment for lathes. 2,354,966; Aug. 1.

Panza, William E. (See Panza, Anthony and W. E.)

Paramount Shoe Manufacturing Company. (See Wolff, Samuel, assignor.)

Parker-Wolverine Company. (See Meyer, William E., assignor.)

Parr, Josephus O., Jr. (See Bazhaw, W. O., and Parr.)

Patterson, Maisie J., Chapel Hill, N. C. Toe protecting device and making the same. 2,354,770; Aug. 1.

Patterson, Raymond A., Albany, Calif. Valve lubrication system. 2,354,926; Aug. 1.

Pawelsky, Vernon R. (See Johnson, R. W., Biermann, and Pawelsky.)

Pera, Orsola L. (See Pera, Valentino, assignor.)

Pera, Valentino, assignor of one-half to O. L. Pera, Pinole, Calif. Beverage cup. 2,355,010; Aug. 1.

Perry, Donald E., assignor to MacClatchie Manufacturing Company of California, Compton, Calif. Line blind. 2,354,967; Aug. 1.

Pescara, Mario G. P., Philadelphia, Pa. Fuel tank for airplanes. 2,354,701; Aug. 1.

Peters, Arthur E. (See Blum, G. K., and Peters.)

Peters, Carl E., assignor to R-L Electric Manufacturing Company, St. Louis, Mo. Battery charger. 2,354,877; Aug. 1.

Peterson, Edward T., Reading, Pa. Rolling mill. 2,354,771; Aug. 1.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency control. 2,354,827; Aug. 1.

Petty, Olive S. (See Bazhaw, W. O., and Parr, assignors.)

Pezzano, Joseph, Mariners Harbor, Staten Island, N. Y. Vehicle body and frame. 2,354,700; Aug. 1.

Philco Radio and Television Corporation. (See McCoy, Claudius T., assignor.)

Phillips Petroleum Company. (See Thomas, Rosswell W., assignor.)

Pickering, Glenroy, Parkersburg, W. Va. Knife, fork, and spoon holder. 2,354,968; Aug. 1.

Pilling Chain Company. (See Lawson, Birdsall P., assignor.)

Pittsburgh Plate Glass Company. (See Allen, Edward M., assignor.)

Pittsburgh Plate Glass Company. (See Fox, J. H., and Lytle, assignors.)

Pittsburgh Plate Glass Company. (See Jenkins, John D., assignor.)

Pittsburgh Plate Glass Company. (See Muskat, Irving E., assignor.)

Pittsburgh Plate Glass Company. (See Muskat, I. E., and Ayres, assignors.)

Platt, William C., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Recovering values from citrus fruit. 2,354,878; Aug. 1.

Prange, Horace L., Kalamazoo, Mich. Lens. 2,354,772; Aug. 1.

Propernick, August A., Rochester, N. Y., assignor to General Electric Company. Cover structure. 2,354,927; Aug. 1.

Protz, William C., assignor to National Tinsel Manufacturing Company, Manitowoc, Wis. Composite tape. 2,354,702; Aug. 1.

Pure Oil Company, The. (See Bell, Richmond T., assignor.)

Pure Oil Company, The. (See Bond, Donald C., assignor.)

Pure Oil Company, The. (See Harnsberger, Audley E., assignor.)

Pure Oil Company, The. (See Lang, Edward H., assignor.)

Pure Oil Company, The. (See McKinney, P. V., and Mayberry, assignors.)

Pure Oil Company, The. (See Thacker, Carlisle M., assignor.)

Putnam, James B., El Campo, Tex. Internal-combustion engine. 2,355,011; Aug. 1.

Radio Corporation of America. (See Crosby, Murray G., assignor.)

Radio Corporation of America. (See Deal, Harmon B., assignor.)

Radio Corporation of America. (See Goldstine, Hallan E., assignor.)

Radio Corporation of America. (See Peterson, Harold O., assignor.)

Ragupos, Geronimo R., Spokane, Wash. Oyster opening method. 2,354,928; Aug. 1.

Raines, Arnold, Philadelphia, and A. C. Martindell, Hulmeville, Pa. Servo mechanism. 2,354,703; Aug. 1.

Ranney, Percival K., Lakewood, Ohio. Electrical system and apparatus. 2,354,879; Aug. 1.

Rasmussen, Olaf, Dayton, and E. L. Baugh, Miamisburg, Ohio, assignors to General Motors Corporation, Detroit, Mich. Fuel pump. 2,354,828; Aug. 1.

Ratkowski, Thomas A., Chicago Heights, Ill., assignor to American Brake Shoe Company. Railway crossing. 2,354,880; Aug. 1.

Ray, William A., Glendale, Calif. Electromagnetically controlled operator. 2,354,704; Aug. 1.

Ray, William A., Glendale, Calif. Humidity control system. 2,354,773; Aug. 1.

Rector, Laurence L., and L. D. Hilton, Fort Worth, Tex. Landing and supporting well tubings. 2,354,929; Aug. 1.

Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,354,829; Aug. 1.

Rehn, Herman K., Amherst, Mass. Auxiliary bicycle seat. 2,354,881; Aug. 1.

Reid, William L., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Alternative two or four wheel steering. 2,354,830; Aug. 1.

Reifsnyder, Guy C., Allentown, Pa. Mouth spray syringe. 2,355,012; Aug. 1.

Resinous Products & Chemical Company, The. (See Eastes, John W., assignor.)

Resinous Products & Chemical Company, The. (See Eastes, J. W., and Averill, assignors.)

Reynolds Metals Co. (See Manning, Clarence F., assignor.)

Rike, Richard C., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Cylinder boot. 2,354,831; Aug. 1.

Ristine, George, Philadelphia, Pa. Adjustable bracket and brush for window shades. 2,354,832; Aug. 1.

Roberts, Horace L., Mount Vernon, N. Y. Hose clamp. 2,354,833; Aug. 1.

Robey, Edward, Los Angeles, Calif. Spring assembly. 2,354,834; Aug. 1.

Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Garage door clamp. 2,354,976; Aug. 1.

Roche-Organon Inc. (See Oppenauer, R., and Bolt, assignors.)

Rochestie, Barnett B., Trenton, N. J. Marine safety light. 2,355,013; Aug. 1.

Rock Island Sash and Door Works. (See Weyerhaeuser, Frederick, assignor.)

Rogers, Dilworth T. (See Carlson, G. H., and Rogers.)

Rosenberg, Philip, New York, N. Y. Cabinet. 2,354,835; Aug. 1.

Roth, Joseph N., Belding, assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Refrigerator control system. 2,354,705; Aug. 1.

Rounds, Harold S. (See Hartsock, G. M., and Rounds.)

Ruestow, Edward A. (See Church, J. H., and Ruestow.)

Rulon, Joseph K., South River, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic package. 2,354,706; Aug. 1.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene derivative. 2,354,774; Aug. 1.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene resin. 2,354,775; Aug. 1.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene resin. 2,354,776; Aug. 1.

Rusch, Hugo L., Highland Park, Ill. Apparatus for recording the broadcast station to which a radio receiver is tuned. 2,354,836; Aug. 1.

Salt Water Control, Inc. (See Erwin, Ransome W., assignor.)

Samann, Eric L., Detroit, Mich. Incendiary bomb. 2,354,882; Aug. 1.

Sawyer, Edward L., Washington, D. C., assignor to United Shoe Machinery Corporation, Flemington, N. J. Prewelt shoe manufacture. 2,354,837; Aug. 1.

Schering Corporation. (See Tschesche, R., and Böhle, assignors.)

Schonberg, George C., Fargo, N. Dak. Attachment for tractors. 2,354,883; Aug. 1.

Schopmeyer, Herman H., and G. E. Felton, Hammond, Ind., assignors to American Maize-Products Company. Waxy starch product and making. 2,354,838; Aug. 1.

Schorn, Carl F., Detroit, Mich. Ice detector. 2,355,014; Aug. 1.

Schunk, Joseph, Union, assignor to The National Lock Washer Company, Newark, N. J. Bus or car window construction. 2,354,839; Aug. 1.

Schwartz, Edward F., San Francisco, Calif. Painting machine. 2,354,777; Aug. 1.

Scott, Thomas K., East Orange, N. J. Toolholder for vacuum cleaners. 2,355,034; Aug. 1.

Scovill Manufacturing Company. (See Treciokas, Jacob P., assignor.)

Scruton, Herbert A. (See Sebastian, R. L., and Scruton.)

Seago, Harold M. (See Simpson, Harold W., assignor.)

Sebastian, Robert L., New York, N. Y., and H. A. Scruton, Baltimore, Md., assignors to the Secretary of War of the United States of America, and his successors in office, in trust. Protective fabric. 2,354,707; Aug. 1.

Segal, Samuel, Brooklyn, N. Y. Measuring wheel for skates. 2,354,708; Aug. 1.

Selberg, John P. (See McEwen, J., and Selberg.)

Seletz, Emil, Los Angeles, Calif. Anticoncussion helmet. 2,354,840; Aug. 1.

Senacon Service Company. (See Smith, Neil V., assignor.)

Servel, Inc. (See Sherwood, Thomas K., assignor.)

Shaad, George E. (See Edwards, M. A., Garr, and Shaad.)

Shaff, Ernest H., assignor to Keller Tool Company, Grand Haven, Mich. Operation controlling means for pressure fluid actuated tools. 2,354,841; Aug. 1.

Shaffer, Donald U., Brea, Calif. Pressure regulated, straight pull jar mechanism. 2,354,709; Aug. 1.

Shayne, Alexander. (See Messinger, W., and Shayne.)

Sherwood, Thomas K., Wellesley Hills, Mass., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,354,884; Aug. 1.

Sierk, Raymond H., New York, N. Y. Third-rail contact shoe. 2,354,885; Aug. 1.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Lister. 2,354,886; Aug. 1.

Silverman, Daniel, and R. E. Fearon, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Well signaling system. 2,354,887; Aug. 1.

Simpson, Harold W., assignor of one-half to H. M. Seago, Collinsville, Ill. Fuel conserving device for internal-combustion motors. 2,354,778; Aug. 1.

Simpson, Howard W., and A. Abgarian, assignors to Detroit Harvester Company, Detroit, Mich. Mower for tractors. 2,354,710; Aug. 1.

Skinner, Bronson C. (See Walker, C. S., Skinner, and Bristow.)

Smessaert, Raymond R., assignor to Teletype Corporation, Chicago, Ill. Keying mechanism. 2,354,779; Aug. 1.

Smith, Edward P., assignor to The Ohio Brass Company, Mansfield, Ohio. Valve control system. 2,354,888; Aug. 1.

Smith, Michael C. (See Erisman, A. C., and Smith.)

Smith, Neil V., Los Angeles, Calif., assignor, by mesne assignments, to Senacon Service Company, Cleveland, Ohio. Hydraulic movement-controlling device. 2,354,889; Aug. 1.

Smith, Sidney R., Jr. (See Bennett, R. S., and Smith.)

Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)

Societe Genevoise d'Instruments de Physique. (See Turrettini, Fernand, assignor.)

Southern States Equipment Corporation. (See Gussow, W. A., and Curtis, assignors.)

Southgate, George T., Forest Hills, N. Y. Electric system and device therefor. 2,354,711; Aug. 1.

Spence Engineering Company. (See Spence, Paulsen, assignor.)

Spence, Paulsen, East Orange, N. J., assignor to Spence Engineering Company, Inc., Walden, N. Y. Desuperheater. 2,354,842; Aug. 1.

Spencer, Lloyd. (See Mettler, Hal C., assignor.)

Sperry Gyroscope Company. (See Anderson, V. G., and Muller, assignors.)

Splaine, Edward M., Southbridge, and W. H. Lehmberg, Dudley, assignors to American Optical Company, Southbridge, Mass. Eye protection device. 2,355,015; Aug. 1.

Standard-Knapp Corporation. (See Kimball, W. D., and Ardell, assignors.)

Standard Oil Company. (See Carmody, D. R., Evering, and d'Ouville, assignors.)

Standard Oil Development Company. (See Harlan, John L., assignor.)

Standard Oil Development Company. (See Morway, A. J., and Zimmer, assignors.)

Standard Oil Development Company. (See Stein, Gustav A., Jr., assignor.)

Standard Railway Equipment Manufacturing Company. (See Gilpin, Garth G., assignor.)

Stanley Works, The. (See Robinson, David M., assignor.)

Stanolind Oil and Gas Company. (See Silverman, D., and Fearon, assignors.)

Staples, Charles F., Birmingham, Mich. Honing mandrel. 2,354,890; Aug. 1.

Stein, Gustav A., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Treating hydrocarbon fluids. 2,355,016; Aug. 1.

Stemar Displays Company. (See Einzig, Henry, assignor.)

Stewart, Howard T., New York, N. Y. Dental appliance. 2,354,780; Aug. 1.

Stieger, Philip J., St. Paul, Minn. Smoking pipe. 2,354,712; Aug. 1.

Stoltz, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Cutter chain and bits. 2,354,781; Aug. 1.

Stone, Carl R., assignor to Crane Co., Chicago, Ill. Valve. 2,355,017; Aug. 1.

Stoneman, Alan C., Los Angeles, Calif. Making activated carbon. 2,354,713; Aug. 1.

Stover, Clyde N., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Covered electrical conductor. 2,355,018; Aug. 1.

Stover, Clyde N., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for making a knitted covering or coverings on a strand. 2,355,019; Aug. 1.

Stradling, James G., Philadelphia, and L. F. Hance, Abington, Pa. Folding pocket text or work book and binder. 2,354,782; Aug. 1.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Lever. 2,354,891; Aug. 1.

Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electric control circuit. 2,354,930; Aug. 1.

Strickland, Harold A., Jr., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Method and apparatus for heating thermoplastics. 2,354,714; Aug. 1.

Sturslinger, Charles, assignor to K & P Fancy Stitching Machine Co., Inc., New York, N. Y. Sewing machine. 2,354,783; Aug. 1.

Sundstrom, Savin L. (See Mills, E. L., and Sundstrom.)

Superior Oil Company, The. (See McNamee, Bernard F., assignor.)

Sylvania Electric Products Inc. (See Abbott, Matthew C., assignor.)

Syracuse Chilled Plow Co. (See Cook, C. L., and Young, assignors.)

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Disk brake. 2,354,977; Aug. 1.

Tandler, William S., D. Walker, and W. Teller, assignors to Lefler Corporation, New York, N. Y. Control mechanism. 2,354,843; Aug. 1.

Tarbox, John P., Philadelphia, Pa. All-weather tire. 2,354,715; Aug. 1.

Teletype Corporation. (See Baldwin, Edward T., assignor.)

Teletype Corporation. (See Smessaert, Raymond R., assignor.)

Teller, William. (See Tandler, W. S., Walker, and Teller.)

Thacker, Carlisle M., Toledo, Ohio, assignor to The Pure Oil Company, Chicago, Ill. Dehydrogenation of hydrocarbons. 2,354,892; Aug. 1.

Thicke, Claude S., Vancouver, British Columbia, Canada. Portable pump unit. 2,355,035; Aug. 1.

Thoma, Heinrich, Zurich, Switzerland. Exhaust plant for spinning machines for catching and removing thread ends. 2,354,893; Aug. 1.

Thomas, Roswell W., Birmingham, Mich., assignor to Phillips Petroleum Company. Self-service system for storage and utilization of fuel gases. 2,354,894; Aug. 1.

Thomas, William D., Jr. (See Cook, E. W., and Thomas.)

Thompson, Donald C. (See Bradnack, J. H., Thompson, and Folmer.)

Thompson Products Incorporated. (See Colwell, Archie T., assignor.)

Thornburg, Herbal A., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starter. 2,354,844; Aug. 1.

Thornton, Edward C., Youngstown, Ohio. Wheel for chairs. 2,354,845; Aug. 1.

Thrailkill, Orville W., Wellington, Kans. Filing tool. 2,354,716; Aug. 1.

Tolman, John A., Detroit, Mich. Filtering member. 2,354,931; Aug. 1.

Treciokas, Jacob P., Oakville, assignor to Scovill Manufacturing Company, Waterbury, Conn. Hopper feed mechanism. 2,354,717; Aug. 1.

Treitel-Gratz Company. (See Treitel, Harold A., assignor.)

Treitel, Harold A., assignor to Treitel-Gratz Company, Inc., New York, N. Y. Serving table. 2,354,941; Aug. 1.

Trindl, Catherine O. (See Trindl, Frank A. and C. O.)

Trindl, Frank A. and C. O., Chicago, Ill. Mop structure. 2,354,969; Aug. 1.

Trump Products Corporation. (See Buttner, Arnold, assignor.)

Tschesche, Rudolf, Berlin-Wilmersdorf, and K. Böhle, Berlin-Tempelhof, Germany, assignors to Schering Corporation, Bloomfield, N. J. Substituted p-p'-diamino diphenyl sulphones and making the same. 2,354,784; Aug. 1.

Tunningley, Howard S. (See Gilbert, H. M., and Tunningley, J. W., H. S., and W. H.)

Tunningley, James W. (See Gilbert, H. M., and Tunningley, J. W., H. S., and W. H.)

Tunningley, William H. (See Gilbert, H. M., and Tunningley, J. W., H. S., and W. H.)

Turrettini, Fernand, assignor to the firm of Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Apparatus for truing grinding wheels. 2,355,020; Aug. 1.

Tuttle, William N., Concord, assignor to General Radio Company, Cambridge, Mass. Electric system. 2,354,718; Aug. 1.

U. S. Electrical Motors, Inc. (See Myers, Thomas G., assignor.)

Union Special Machine Company. (See Lutz, Frederick, assignor.)

United Aircraft Corporation. (See Martin, Erle, assignor.)

United Gas Improvement Company, The. (See Ward, Alger L., assignor.)

United Shoe Machinery Corporation. (See Ashworth, F., and Whitaker, assignors.)

United Shoe Machinery Corporation. (See Burby, Philip E., assignor.)

United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)

United Shoe Machinery Corporation. (See Nokes, Philip E., assignor.)

United Shoe Machinery Corporation. (See Sawyer, Edward L., assignor.)

United States Rubber Company. (See Eger, Ernst, assignor.)

United States Rubber Company. (See Gerhard, Sherman L., assignor.)

United States Rubber Company. (See Hurt, Victor H., assignor.)

Universal Oil Products Company. (See Angell, Charles H., assignor.)

Universal Oil Products Company. (See Danforth, Joseph D., assignor.)

Universal Oil Products Company. (See Morrell, Jacque C., assignor.)

Verbeck, Bruno J., Chicago, Ill., assignor to Wilson & Co., Inc. Stabilizing fatty materials. 2,354,719; Aug. 1.

Volkel Bros. Machine Works. (See Volkel, Frank G., assignor.)

Volkel, Frank G., assignor to Volkel Bros. Machine Works, Los Angeles, Calif. Work holder. 2,354,970; Aug. 1.

Von Rohl, Paul, St. Paul, Minn. Map. 2,354,785; Aug. 1.

Vulcan Copper & Supply Company, The. (See Wentworth, Theodore O., assignor.)

Wadlington, Harry B., Kansas City, Mo. Trouser liner. 2,354,971; Aug. 1.

Wagner Electric Corporation. (See Boldt, Werner F., assignor.)

Wagner, Walter J., Eglin Field, Fla. Low altitude bomb sight. 2,354,720; Aug. 1.

Waitkus, Joseph, Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Washing apparatus for air preheaters. 2,355,021; Aug. 1.

Walker, Charles S., Clearwater, B. C. Skinner, Dunedin, and J. J. R. Bristow, Safety Harbor, Fla.; said Walker and said Bristow, assignors to said Skinner. Extracting fruit juice. 2,354,721; Aug. 1.

Walker, David. (See Tandler, W. S., Walker, and Teller.)

Walker, Jay P., and C. O. Glasgow, assignors to National Tank Company, Tulsa, Okla. Heating apparatus. 2,354,932; Aug. 1.

Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Spark gap. 2,354,786; Aug. 1.

Walton, George M., Shaker Heights, assignor to Air-Maze Corporation, Cleveland, Ohio. Crankcase oil separator. 2,354,722; Aug. 1.

War of the United States of America, and his successors in office, in trust, as represented by Secretary of. (See Sebastian, R. L., and Scruton, assignor.)

Ward, Alger L., Drexel Hill, Pa., assignor to The United Gas Improvement Company. Purification of dicyclopentadiene. 2,354,895; Aug. 1.

Washken, Edward. (See Kleinschmidt, R. V., and Washken.)

Wedglok Corporation. (See Williamson, Marshall I., assignor.)

Weiler, Edward G., Columbus, Ohio. Coin controlled vending apparatus. 2,354,896; Aug. 1.

Wente, Edward C. (See Jones, R. C., O'Neil, and Wente.)

Wentworth, Theodore O., assignor to The Vulcan Copper & Supply Company, Cincinnati, Ohio. Apparatus for constant concentration distillation. 2,354,897; Aug. 1.

Wessenger, Harold B., Medford, Mass. Bearing. 2,354,724; Aug. 1.

Western Electric Company. (See Moran, Robert P., assignor.)

Western Electric Company. (See Stover, Clyde N., assignor.)

Westinghouse Electric & Manufacturing Company. (See Anderson, Waldemar E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Gottlieb, Manlous, assignor.)

Westinghouse Electric & Manufacturing Company. (See Luckenbach, Richard B., assignor.)

Westinghouse Electric & Manufacturing Company. (See McNulty, John W., assignor.)

Weston Electrical Instrument Corporation. (See Wolferz, Alfred H., assignor.)

Weyandt, Carl S., Homer City, Pa. Percussion tool. 2,354,723; Aug. 1.

Weyerhaeuser, Frederick, St. Paul, Minn., assignor to Rock Island Sash and Door Works, Rock Island, Ill. Manufacture of composite lumber and article therefor. 2,354,725; Aug. 1.

Weygand, Friedrich, Heidelberg, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. N-polyhydroxyalkyl-phenylamines and method for their preparation. 2,354,846; Aug. 1.

Wheelco Instruments Company. (See Cohen, T. A., and Ostermann, assignors.)

Wheelco Instruments Company. (See Ostermann, H. J., and Cohen, assignors.)

Whitaker, Carl F. (See Ashworth, F., and Whitaker.)

Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft end holder for weft replenishing looms. 2,355,022; Aug. 1.

Wiksten, Carl J., St. Joseph, Mo. Mechanical paintbrush cleaner. 2,354,898; Aug. 1.

Wilber, Paul F., Richland, N. Y. Automatic phonograph. 2,354,899; Aug. 1.

Wilkinson, Francis C. W., Farnham Common, England. Condenser and similar tubes and their joints. 2,354,900; Aug. 1.

Williams, Harold K., Moline, Ill. Building construction. 2,354,901; Aug. 1.

Williamson, Marshall I., assignor to Wedglok Corporation, New York, N. Y. Releasable joinder lock. 2,354,726; Aug. 1.

Wilson & Co. (See Verbeck, Bruno J., assignor.)

Winborne, Russell A., New York, N. Y., assignor to Edison General Electric Appliance Company, Inc. Control device. 2,354,933; Aug. 1.

Winthrop Chemical Company, Inc. (See Weygand, Friedrich, assignor.)

Wiren, Jean P., New Paltz, N. Y. Making flaps and the like for garments. 2,355,023; Aug. 1.

Wolcott, Glenn W. (See Kucher, A. A., McCormack, and Wolcott.)

Wolferz, Alfred H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Remote position indicator. 2,354,902; Aug. 1.

Wolff, Samuel, Clayton, assignor to Paramount Shoe Manufacturing Company, St. Louis, Mo. Shoe. 2,354,903; Aug. 1.

Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Remote-reading specific-gravity indicator. 2,354,847; Aug. 1.

Woodhall, Edwin J., Akron, Ohio, assignor to The American Racing Pigeon Union, Jersey City, N. J. Time recording mechanism. 2,354,934; Aug. 1.

Woodward & Wright Last Co. (See Landers, A. D., and Lindsay, assignors.)

Wulff, John, Cambridge, Mass. Metal powder. 2,354,727; Aug. 1.

Yerrick, William D., S. Holm, and A. Jensen, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Reactor. 2,355,024; Aug. 1.

Young, Austin E. (See Cook, C. L., and Young.)

Young, J. O., Incorporated. (See Young, Judson O., assignor.)

Young, Judson O., North Wilbraham, assignor to J. O. Young Incorporated, Springfield, Mass. Orchard ladder. 2,354,904; Aug. 1.

Young, L. A., Spring and Wire Corporation. (See Asaro, Vito, assignor.)

Zimmer, John C. (See Morway, A. J., and Zimmer.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Compressor, Rotary reciprocating. S. A. Limpert. Re. 22,526; Aug. 1.

Insecticide. S. A. Ballard and V. E. Haury. Re. 22,524; Aug. 1.

Switch and control system combination, Limit. P. G. White. Re. 22,525; Aug. 1.

LIST OF PLANT INVENTIONS

Thornless blackberry plant. J. C. Bowen. 635; Aug. 1.

LIST OF DESIGN INVENTIONS

Air horn and actuator, Combined. H. F. Hadley. 138,406; Aug. 1.

Base for machine tools or the like. R. E. Conover. 138,412; Aug. 1.

Bathing suit or similar article. A. A. Mitchell. 138,422; Aug. 1.

Board, Cribbage. L. F. Roh. 138,400; Aug. 1.

Box or similar article. F. Powers. 138,413; Aug. 1.

Can or similar article. R. Paul. 138,409; Aug. 1.

Casing, Electric switch. T. M. Cole. 138,405; Aug. 1.

Clip or similar article, Bill. H. L. Lambert and E. Schodlbauer. 138,396; Aug. 1.

Clip or similar article, Bill. L. Palliser. 138,424; Aug. 1.

Cradle, Cooking vessel. S. T. Howard. 138,395; Aug. 1.

Dress. M. G. Stein. 138,414; Aug. 1.

Dress. L. Hoshafian. 138,418–20; Aug. 1.

Dress. E. Wilkens. 138,426–7; Aug. 1.

Dress. E. Wilkens. 138,430–1; Aug. 1.

Dress ensemble. E. Wilkens. 138,428–9; Aug. 1.

Doll or similar article. E. Rice. 138,399; Aug. 1.

Fish lure. I. L. and L. E. Douglass. 138,415; Aug. 1.

Frame or similar article, Picture. H. Bush. 138,393; Aug. 1.

Game board. P. D. Haynes. 138,407; Aug. 1.

Gauge and safety valve unit for rubber boats or the like, Combined. W. B. Kochner and L. T. Ward. 138,421; Aug. 1.

Holder, Electrode. L. J. Nellis. 138,408; Aug. 1.

Holder for parking meter change. J. S. MacDonnell. 138,397; Aug. 1.

Incubator, Portable baby. G. Armstrong. 138,411; Aug. 1.

Level, Spirit. W. E. Bernard. 138,392; Aug. 1.

Lighter, Cigarette. M. Sternberg. 138,410; Aug. 1.

Ornament, Lapel. H. H. Hanna. 138,394; Aug. 1.

Pencil or similar article, Mechanical. A. Fernandez. 138,416; Aug. 1.

Refractometer. R. F. E. Stegeman. 138,401; Aug. 1.

Refrigerated locker unit. W. M. Baird. 138,391; Aug. 1.

Separator for egg yolk and whites or similar article. E. Reynolds. 138,398; Aug. 1.

Sight for firearms, Rear. H. F. Mossberg. 138,423; Aug. 1.

Toy vehicle. W. H. Steward. 138,402; Aug. 1.

Trimming or the like, Embroidered. J. Wiener. 138,404; Aug. 1.

Vase or similar article of manufacture. G. E. White. 138,403; Aug. 1.

Winch. K. F. Potter, R. E. Ljungkull, and D. C. Gray. 138,425; Aug. 1.

Wrench unit or the like, Impact. C. E. Fitch. 138,417; Aug. 1.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorption machine containing an inert auxiliary gas. A. Bikkers. 2,354,982; Aug. 1.

Acid and its esters, Recovering hydroxy-3-etiocholenic. R. Oppenauer and C. C. Bolt. 2,354,875; Aug. 1.

Air and gas cleaner. E. F. Fisher. 2,354,677; Aug. 1.

Air and gas washer. E. F. Fisher. 2,354,674; Aug. 1.

Aircraft, Protecting against attacking. J. H. Church and E. A. Ruestow. 2,354,665; Aug. 1.

Airplane. O. C. Koppen. 2,355,026; Aug. 1.

Airport fueling system. A. J. Granberg. 2,354,915; Aug. 1.

Alcohols, Oxidation of secondary. D. C. Hull. 2,354,683; Aug. 1.

All-weather tire. J. P. Tarbox. 2,354,715; Aug. 1.

Anchor rope mechanism. L. H. Fey. 2,354,805; Aug. 1.

Anchor, Twin-fluke. R. S. Danforth. 2,354,666; Aug. 1.

Antiaircraft device. G. W. Irwin. 2,354,754; Aug. 1.

Antioffset composition. E. G. Almy. 2,354,979; Aug. 1.

Apparatus for and system of fluid supply. E. L. Mills and S. L. Sundstrom. 2,354,925; Aug. 1.

Apparatus for constant concentration distillation. T. O. Wentworth. 2,354,897; Aug. 1.

Apparatus for manufacturing tanks and the like. W. A. Buehler. 2,354,794; Aug. 1.

Apparatus for recording the broadcast station to which a radio receiver is tuned. H. L. Rusch. 2,354,836; Aug. 1.

Apparatus for sinking piles. E. Bignell. 2,354,936; Aug. 1.

Apparatus for truing grinding wheels. F. Turrettini. 2,355,020; Aug. 1.

Apparatus for wrapping. C. J. Fusco. 2,354,989; Aug. 1.

Aqueous composition and making the same, Thickened. S. Musher. 2,355,029; Aug. 1.

Area measuring machine. P. E. Nokes. 2,354,767; Aug. 1.

Article dispensing container. H. Crane. 2,354,741; Aug. 1.

Artificial shaped articles, Producing. C. Dreyfus. 2,354,745; Aug. 1.

Attachment device. S. E. Duzmal. 2,354,746; Aug. 1.

Attachment for tractors. G. C. Schonberg. 2,354,883; Aug. 1.

Automatic telephone switch and system. J. I. Bellamy. 2,354,660; Aug. 1.

Auxiliary bicycle seat. H. K. Rehn. 2,354,881; Aug. 1.

Bag: *See*—
Wardrobe bag.

Base, Shockproof. W. E. Anderson. 2,354,642; Aug. 1.

Basket. D. A. Larkin. 2,354,867; Aug. 1.

Battery charger. C. E. Peters. 2,354,877; Aug. 1.

Bearing. H. B. Wessenger. 2,354,724; Aug. 1.

Bearing: *See*—
High-speed bearing.

Bearing and protector, Ladle bail. A. Jadach. 2,354,996; Aug. 1.

Bearings, Making. R. R. Machlett. 2,354,763; Aug. 1.

Binding device. H. Einzig. 2,355,037; Aug. 1.

Bit: *See*—
Drill bit.

Blind, Line. D. E. Perry. 2,354,967; Aug. 1.

Blind, Venetian. R. B. Evans. 2,354,803; Aug. 1.

Bomb, Incendiary. E. L. Samann. 2,354,882; Aug. 1.

Bomb sight, Low altitude. W. J. Wagner. 2,354,720; Aug. 1.

Boot, Cylinder. R. C. Rike. 2,354,831; Aug. 1.

Bottle handling device. W. W. McCulloch. 2,355,004; Aug. 1.

Brace for freight vehicles, Cargo. E. O. Hermann. 2,354,861; Aug. 1.

Bracket and brush for window shades, Adjustable. G. Ristine. 2,354,832; Aug. 1.

Brake: *See*—
Clasp brake. Disk brake.

Brake applying system. G. Keith and A. H. Kirchner. 2,354,687; Aug. 1.

Building construction. H. K. Williams. 2,354,901; Aug. 1.

Bun making machine. W. C. Grimm and R. H. Linneman. 2,354,681; Aug. 1.

Buoy, Observation. S. G. and S. F. Kotelev. 2,354,758; Aug. 1.

Cabinet. P. Rosenberg. 2,354,835; Aug. 1.

Calcium carbonate, Producing. E. M. Allen. 2,354,788; Aug. 1.

Camouflage fabricating machine. W. E. Meyer and H. W. Collins. 2,354,765; Aug. 1.

Camouflage structure. R. P. Moran. 2,355,008; Aug. 1.

Cap: *See*—
Uniform cap.

Car end wall, Railway. G. G. Gilpin. 2,354,680; Aug. 1.

Card game. A. S. Kinney. 2,354,953; Aug. 1.

Carbon, Making activated. A. C. Stoneman. 2,354,713; Aug. 1.

Cathode-ray tube and assembly. A. P. Berjkoff. 2,354,661; Aug. 1.

Caustic solutions, Purification of. I. E. Muskat and F. D. Ayres. 2,354,823; Aug. 1.

Cementitious objects, Treating. C. A. Owens. 2,354,876; Aug. 1.

Chain and bit, Cutter. C. E. Stoltz. 2,354,781; Aug. 1.

Chair: *See*—
Folding wheel chair.

Chair iron. A. R. Boerner. 2,354,736; Aug. 1.

Circuit: *See*—
Electric control circuit. Electric selection controlling circuit.
Electric discharge device circuit.

Clamp: *See*—
Garage door clamp. Hose clamp.

Clamping device, Multiple. E. A. Lockwood. 2,354,919; Aug. 1.

Clasp brake. W. H. Baselt. 2,354,972–3; Aug. 1.

Cleaner: *See*—
Air and gas cleaner. Mechanical paint-brush cleaner.
Gas cleaner.

Clip: *See*—
Floor clip.

Closing and locking mechanism for doors. C. E. Arthur. 2,355,025; Aug. 1.

Clutch: *See*—
Friction clutch.

Coin controlled vending apparatus. E. G. Weiler. 2,354,896; Aug. 1.

Collet attachment for lathes. A. and W. E. Panza. 2,354,966; Aug. 1.

Combustion control. T. Ladd. 2,354,999; Aug. 1.

Combustion device. O. A. Ohlsson. 2,354,963; Aug. 1.

Composite lumber, and article therefor, Manufacture of. F. Weyerhaeuser. 2,354,725; Aug. 1.

Condenser and similiar tubes and their joints. F. C. W. Wilkinson. 2,354,900; Aug. 1.

Conductor: *See*—
Covered electrical conductor.

Contact shoe, Third rail. R. H. Sierk. 2,354,885; Aug. 1.

Container: *See*—
Article dispensing container. Moistureproof collapsible container.

Container. M. N. Lebedeff. 2,354,691; Aug. 1.

Container closure. E. C. Emanuel. 2,354,855; Aug. 1.

Containers and apparatus therefor, Manufacture of. M. S. Lopes, Jr. 2,354,920; Aug. 1.

Control device. R. A. Winborne. 2,354,933; Aug. 1.

Control mechanism. W. S. Tandler, D. Walker, and W. Teller. 2,354,843; Aug. 1.

Control system. A. E. Krogh. 2,354,997; Aug. 1.

Control valve. E. M. Morehouse. 2,354,960; Aug. 1.

Controlling feathering members. D. B. Dewey. 2,354,948; Controlling the tension of strands. S. L. Gerhard. 2,354,913; Aug. 1.

Conveying and elevating machine. H. M. Gilbert and W. H. H. S., and J. W. Tunningley. 2,354,990; Aug. 1.

Conveying mechanism. J. B. Brock. 2,354,939; Aug. 1.

Coupler, No slack chain. W. L. Moore. 2,354,956; Aug. 1.

Cover structure. A. A. Propernick. 2,354,927; Aug. 1.

Covered electrical conductor. C. N. Stover. 2,355,018; Aug. 1.

Crankcase oil separator. G. M. Walton. 2,354,722; Aug. 1.

Cup, Beverage. V. Pera. 2,355,010; Aug. 1.

Cutter mechanism for cutting lasts or the like. A. D. Landers and F. H. Lindsay. 2,354,689; Aug. 1.

Dampener for concrete-conveying pipe line systems, Pulsation. C. I. Longenecker. 2,355,001; Aug. 1.

Dental appliance. H. T. Stewart. 2,354,780; Aug. 1.

Dental syringe. R. E. Bruckner. 2,354,649; Aug. 1.

Depositing apparatus. E. Clark. 2,354,796; Aug. 1.

Derrick, Portable. J. McEwen and J. P. Selberg. 2,354,922; Aug. 1.

Desuperheater. P. Spence. 2,354,842; Aug. 1.

Dextrose to levulose, Conversion of. S. M. Cantor and K. C. Hobbs. 2,354,664; Aug. 1.

Diaphragm pump. E. F. Loweke. 2,354,958; Aug. 1.

Dicyclopentadiene, Purification of. A. L. Ward. 2,354,895; Aug. 1.

Diphenyl compounds, Production of chlorinated. R. L. Jenkins. 2,354,813; Aug. 1.
Diphenyl sulphones and making the same, Substituted p-p'-diamino. R. Tschesche and K. Böhle. 2,354,784; Aug. 1.
Disk brake. C. E. Tack. 2,354,977; Aug. 1.
Display rack. O. L. Godwin. 2,354,859; Aug. 1.
Double track auxiliary wheel and tire carrier. K. C. Clark. 2,354,943; Aug. 1.
Drainage intake. H. Holland. 2,354,994; Aug. 1.
Drill. C. H. Davis. 2,354,985; Aug. 1.
Drill bit. G. Annesley. 2,354,656; Aug. 1.
Drum, Metal. A. W. McClary. 2,354,921; Aug. 1.
Dust collection and reduction apparatus. E. F. Fisher. 2,354,675; Aug. 1.
Electric arc etching electrode. T. Miller. 2,354,871; Aug. 1.
Electric clutch and brake mechanism. H. F. Doll. 2,354,854; Aug. 1.
Electric control circuit. J. L. Stratton. 2,354,930; Aug. 1.
Electric discharge device circuit. M. C. Abbott. 2,354,654; Aug. 1.
Electric selection controlling circuit. G. Deakin and H. F. Herbig. 2,354,667–8; Aug. 1.
Electric selection controlling circuit. H. F. Herbig. 2,354,682; Aug. 1.
Electric sphygmometer. H. R. Lippitt. 2,354,818; Aug. 1.
Electric switch. R. S. Bennett and S. R. Smith. 2,354,907; Aug. 1.
Electric switch. W. A. Gussow and T. E. Curtis. 2,354,991; Aug. 1.
Electric switch. H. C. Hall. 2,354,750; Aug. 1.
Electric system. W. N. Tuttle. 2,354,718; Aug. 1.
Electric system and device therefor. G. T. Southgate. 2,354,711; Aug. 1.
Electrical communication. D. A. Griffin. 2,354,749; Aug. 1.
Electrical counter. P. E. Nokes. 2,354,768; Aug. 1.
Electrical input controller. H. J. Ostermann and T. A. Cohen. 2,354,965; Aug. 1.
Electrical system and apparatus. P. K. Ranney. 2,354,879; Aug. 1.
Electronic tube. T. A. Cohen. 2,354,946; Aug. 1.
Engine: *See*—
Internal-combustion engine.
Engine drive for vehicles. C. L. Barkley. 2,354,734; Aug. 1.
Envelope flaps, Decurling. A. Novick. 2,354,825; Aug. 1.
Envelope, Pocket. F. L. McCarty. 2,354,820; Aug. 1.
Extensible assembly. B. J. Fletcher. 2,354,806; Aug. 1.
Extensible rack. J. E. Borah. 2,354,938; Aug. 1.
Extinguisher. A. V. McFerron. 2,354,762; Aug. 1.
Extrusion mill. E. T. Meakin. 2,354,924; Aug. 1.
Eye protecting device. E. M. Splaine and W. H. Lehmberg. 2,355,015; Aug. 1.
Fabric: *See*—
Protective fabric.
Fatty materials, Stabilizing. B. J. Verbeck. 2,354,719; Aug. 1.
Feeder: *See*—
Poultry feeder. Sawdust burner feeder.
Filing tool. O. W. Thrailkill. 2,354,716; Aug. 1.
Filler or pigment product and manufacture. G. H. Gloss and R. E. Clarke. 2,354,858; Aug. 1.
Film shaping and laminating device. A. M. Marks. 2,354,692; Aug. 1.
Filter. P. Bateman. 2,354,645; Aug. 1.
Filtering member. J. A. Tolman. 2,354,931; Aug. 1.
Fish stringer and the like. C. R. Carpenter. 2,354,848; Aug. 1.
Fixture for gears. A. W. Klomp. 2,354,816; Aug. 1.
Flaps and the like for garments, Making. J. P. Wiren. 2,355,023; Aug. 1.
Flashlight holder. E. E. Dobbs. 2,354,853; Aug. 1.
Flexible pocket receptacle. D. J. Broughton. 2,354,793; Aug. 1.
Floor clip. E. G. Doke. 2,354,802; Aug. 1.
Fluid pressure producing device. E. F. Loweke. 2,354,957; Aug. 1.
Folding wheel chair. S. Ducavich. 2,354,949; Aug. 1.
Food composition. S. Musher. 2,355,030; Aug. 1.
Food compositions, Stabilization of sugar-containing. S. Musher. 2,355,031; Aug. 1.
Fork with removable guard, Carving. B. M. Miller. 2,354,766; Aug. 1.
Frequency control. H. O. Peterson. 2,354,827; Aug. 1.
Friction clutch. H. V. Reed. 2,354,829; Aug. 1.
Friction shock absorbing mechanism. R. J. Olander. 2,354,826; Aug. 1.
Frictional resistance testing apparatus. B. F. McNamee. 2,354,923; Aug. 1.
Fruit juice extracting. C. S. Walker, B. C. Skinner, and J. J. R. Bristow. 2,354,721; Aug. 1.
Fuel and producing same, High octane motor. R. T. Bell. 2,354,646; Aug. 1.
Fuel conserving device for internal-combustion motors. H. W. Simpson. 2,354,778; Aug. 1.
Fuel pump. O. Rasmussen and E. L. Baugh. 2,354,828; Aug. 1.
Fuels, Manufacture of improved motor. E. H. Lang. 2,354,866; Aug. 1.
Fuels, Stabilization of motor. E. W. Cook and W. D. Thomas, Jr. 2,354,798; Aug. 1.
Fungicide. R. H. Carter and M. C. Goldsworthy. 2,354,940; Aug. 1.
Furnace: *See*—
Salt bath furnace.
Furnace control system. M. A. Edwards, D. E. Garr, and G. E. Shaad. 2,354,911; Aug. 1.
Garage door clamp. D. M. Robinson. 2,354,976; Aug. 1.
Garment construction. M. Kay. 2,354,815; Aug. 1.
Garment, Therapeutic. C. A. Muller. 2,354,697; Aug. 1.
Gas cleaner. E. F. Fisher. 2,354,676; Aug. 1.
Gas cleaner and washer. E. F. Fisher. 2,354,678; Aug. 1.
Gas turbine. R. H. Norris. 2,354,698; Aug. 1.
Gasoline and the like, Stabilization of. J. C. Morrell. 2,354,873; Aug. 1.
Gate: *See*—
Starting gate.
Gear finishing. R. S. Drummond. 2,354,670; Aug. 1.
Gear pump. M. Gottlieb. 2,354,992; Aug. 1.
Generator: *See*—
Sound generator.
Glass, Manufacture of vesicular. J. H. Fox and W. O. Lytle. 2,354,807; Aug. 1.
Glassware transferring and conveying apparatus. W. K. Berthold. 2,355,036; Aug. 1.
Glow discharge system, Low frequency mobile. H. C. Mettler. 2,354,696; Aug. 1.
Harrow, Tractor controlled. C. L. Cook and A. E. Young. 2,354,850; Aug. 1.
Harvesting mechanism. R. Dixon. 2,354,986; Aug. 1.
Heat control device. L. W. Cook. 2,354,910; Aug. 1.
Heater for fluids. C. H. Angell. 2,354,643; Aug. 1.
Heating apparatus. J. P. Walker and C. O. Glasgow. 2,354,932; Aug. 1.
Helmet, Anticoncussion. E. Seletz. 2,354,840; Aug. 1.
High-speed bearing. W. Messinger. 2,354,870; Aug. 1.
Hinge, Automobile door. L. C. Atwood. 2,354,789; Aug. 1.
Holder: *See*—
Flashlight holder. Nursing bottle holder.
Knife, fork, and spoon holder. Work holder.
Hollow head poppet valve. A. T. Colwell. 2,354,947; Aug. 1.
Honing mandrel. C. F. Staples. 2,354,890; Aug. 1.
Hopper feed mechanism. J. P. Treciokas. 2,354,717; Aug. 1.
Hose clamp. H. L. Roberts. 2,354,833; Aug. 1.
Humidity control system. W. A. Ray. 2,354,773; Aug. 1.
Hydraulic movement-controlling device. N. V. Smith. 2,354,889; Aug. 1.
Hydrocarbon conversion. D. R. Carmody, B. L. Evering, and E. L. d'Ouville. 2,354,652; Aug. 1.
Hydrocarbon conversion reactions, Effecting. J. D. Danforth. 2,354,851; Aug. 1.
Hydrocarbon fluids, Treating. G. A. Stein, Jr. 2,355,016; Aug. 1.
Hydrocarbons, Dehydrogenation of. C. M. Thacker. 2,354,892; Aug. 1.
Ice cream composition. S. Musher. 2,355,032; Aug. 1.
Ice detector. C. F. Schorn. 2,355,014; Aug. 1.
Impeller. W. H. Allen. 2,354,653; Aug. 1.
Implement, Fastener-applying. C. M. Lindstrom. 2,354,760; Aug. 1.
Incinerator. M. Epstein and F. B. Fillo. 2,354,747; Aug. 1.
Indicator: *See*—
Remote-reading specific-gravity indicator.
Injector apparatus for the recovery of spilled beer and like beverages. A. McGlashan, G. W. Haycock, and J. S. McMeekin. 2,354,695; Aug. 1.
Ink distribution for rotary printing presses. H. M. Barber. 2,354,981; Aug. 1.
Insulation tape and process, Coated fabric. K. H. Barnard. 2,355,038; Aug. 1.
Internal-combustion engine. J. B. Putnam. 2,355,011; Aug. 1.
Iron: *See*—
Chair iron.
Jewelry. M. Chernow. 2,354,984; Aug. 1.
Joint: *See*—
Universal joint.
Keying mechanism. R. R. Smessaert. 2,354,779; Aug. 1.
Knife, fork, and spoon holder. G. Pickering. 2,354,968; Aug. 1.
Knitted covering or coverings on a strand, Method of and apparatus for making a. C. N. Stover. 2,355,019; Aug. 1.
Ladder, Orchard. J. O. Young. 2,354,904; Aug. 1.
Labeling machine. W. D. Kimball and E. Ardell. 2,354,688; Aug. 1.
Lamp: *See*—
Motor vehicle lamp.
Landing and supporting well tubings. L. L. Rector and L. D. Hilton. 2,354,929; Aug. 2.
Lasting machine. P. E. Burby. 2,354,663; Aug. 1.
Lasting machine. B. Jorgensen. 2,354,685–6; Aug. 1.
Lens. H. L. Prange. 2,354,772; Aug. 1.
Lever. C. G. Strandlund. 2,354,891; Aug. 1.

Lifter: *See*—
Pie lifter.
Light: *See*—
Marine safety light.
Liner, Trouser. H. B. Wadlington. 2,354,971; Aug. 1.
Liquid control system. W. Mck. Martin. 2,354,693; Aug. 1.
Liquid level sensitive apparatus. T. A. Cohen and H. J. Ostermann. 2,354,945; Aug. 1.
Liquid level sensitive apparatus. H. J. Ostermann and T. A. Cohen. 2,354,964; Aug. 1.
Lister. W. H. Silver. 2,354,886; Aug. 1.
Load handling equipment. W. M. Huston. 2,354,863; Aug. 1.
Lock: *See*—
Releasable joinder lock.
Locking device for cans. F. Andrea. 2,354,935; Aug. 1.
Lubricant. A. J. Morway and J. C. Zimmer. 2,355,009; Aug. 1.
Lubricating mechanism for sprocket chains. J. F. McCann. 2,355,003; Aug. 1.
Machine tool. L. Fabian. 2,354,673; Aug. 1.
Map. P. von Rohl. 2,354,785; Aug. 1.
Marine condenser installation. J. W. McNulty. 2,355,005; Aug. 1.
Marine safety light. B. B. Rochestie. 2,355,013; Aug. 1.
Measuring gauge and making the same. A. J. Mitchell. 2,355,007; Aug. 1.
Mechanical paintbrush cleaner. C. J. Wiksten. 2,354,898; Aug. 1.
Mechanism for assembling sliders. B. P. Lawson. 2,354,690; Aug. 1.
Method and apparatus for embossing plastic sheet material. V. H. Hurt. 2,354,916; Aug. 1.
Milk cans, Remodeling. J. A. Hopwood. 2,354,995; Aug. 1.
Mill: *See*—
Extrusion mill. Rolling mill.
Moistureproof collapsible container. C. F. Manning. 2,355,027; Aug. 1.
Molding indicia-bearing product and making same. J. A. Gits. 2,354,857; Aug. 1.
Mop structure. F. A. and C. O. Trindl. 2,354,969; Aug. 1.
Motion controlling device. W. Kohlhagen. 2,354,954; Aug. 1.
Motor vehicle lamp. R. N. Falge and H. C. Mead. 2,354,804; Aug. 1.
Motors, Controller for electric. W. E. Addicks. 2,354,787; Aug. 1.
Mounting device. A. W. Franklin. 2,354,748; Aug. 1.
Mower for tractors. H. W. Simpson and A. Abgarian. 2,354,710; Aug. 1.
Mud, Drilling. D. C. Bond. 2,354,648; Aug. 1.
Multiple frequency source. H. B. Deal. 2,354,800; Aug. 1.
Net, Landing. F. J. Chapman. 2,354,942; Aug. 1.
N-polyhydroxyalkyl-phenylamines and their preparation. F. Weygand. 2,354,846; Aug. 1.
Nursing bottle holder. J. J. Lawrence. 2,354,955; Aug. 1.
Oat product. S. Musher. 2,355,028; Aug. 1.
Oil, and emulsion from oil wells, Treating crude. R. W. Erwin. 2,354,856; Aug. 1.
Oil control device. R. W. Johnson, W. A. Biermann, and V. R. Pawelsky. 2,354,755; Aug. 1.
Operating mechanism for registering devices. A. C. Erisman and M. C. Smith. 2,354,951; Aug. 1.
Operation controlling means for pressure fluid actuated tools. E. H. Shaff. 2,354,841; Aug. 1.
Operator, Electromagnetically controlled. W. A. Ray. 2,354,704; Aug. 1.
Oyster opening method. G. R. Ragupos. 2,354,928; Aug. 1.
Package, Photographic. J. K. Rulon. 2,354,706; Aug. 1.
Painting machine. E. F. Schwartz. 2,354,777; Aug. 1.
Paper sheets, Method and apparatus for making multiple. W. H. Milispaugh. 2,355,006; Aug. 1.
Paper, Sizing. R. S. Bryce. 2,354,662; Aug. 1.
Parenteral solutions of anti-hemorrhagic compounds. G. H. Carlson and D. T. Rogers. 2,354,738; Aug. 1.
Percussion tool. C. S. Weyandt. 2,354,723; Aug. 1.
Petroleum emulsions, Handling. J. L. Harlan. 2,354,993; Aug. 1.
Phase modulation. M. G. Crosby. 2,354,799; Aug. 1.
Phonograph, Automatic. P. F. Wilber. 2,354,899; Aug. 1.
Pie lifter. L. R. Meyran. 2,354,822; Aug. 1.
Pipe: *See*—
Smoking pipe.
Plant for spinning machines for catching and removing thread ends, Exhaust. H. Thoma. 2,354,893; Aug. 1.
Plastic composition. S. Musher. 2,355,033; Aug. 1.
Portable pump unit. C. S. Thicke. 2,355,035; Aug. 1.
Position-indicating mechanism. M. Jones. 2,354,917; Aug. 1.
Poultry feeder. J. W. Hartman. 2,354,751; Aug. 1.
Powder, Metal. J. Wulff. 2,354,727; Aug. 1.
Power and motion transmission system. H. F. Liebrecht. 2,355,000; Aug. 1.
Preparation of β-alanine amide by reduction of cyanoacetamide. G. H. Carlson. 2,354,909; Aug. 1.
Pressure regulated, straight pull jar mechanism. D. U. Shaffer. 2,354,709; Aug. 1.
Printing press drive. C. P. Feldhausen. 2,354,950; Aug. 1.
Projector. L. Frankel. 2,354,679; Aug. 1.
Propeller blade ice preventer. E. Martin. 2,354,764; Aug. 1.
Propeller, particularly for watercraft, Variable pitch. F. S. Eves. 2,355,039; Aug. 1.
Protective fabric. R. L. Sebastian and H. A. Scruton. 2,354,707; Aug. 1.
Pump: *See*—
Diaphragm pump. Gear pump.
Fuel pump. Reciprocating pump.
Pump system. C. Jacuzzi. 2,354,811; Aug. 1.
Punch, Precision prick. C. Houghton. 2,354,862; Aug. 1.
Rack: *See*—
Display rack. Record rack.
Extensible rack.
Radiant heat treating and apparatus therefor. I. J. Barber. 2,354,658; Aug. 1.
Radio receiver, Amplitude- and frequency-modulation. C. T. McCoy. 2,354,959; Aug. 1.
Radio with vacuum chamber. A. Binneweg, Jr. 2,354,908; Aug. 1.
Rafter seat. P. De Huff. 2,354,801; Aug. 1.
Railway crossing. T. A. Ratkowski. 2,354,880; Aug. 1.
Reactor. W. D. Yerrick, S. Holm, and A. Jensen. 2,355,024; Aug. 1.
Reading stand. C. K. Ku. 2,354,998; Aug. 1.
Receptacle: *See*—
Flexible pocket receptacle.
Receptacle for caustic alkali. I. E. Muskat. 2,354,824; Aug. 1.
Reciprocating pump. D. Arras. 2,354,980; Aug. 1.
Record rack. M. Mitnick. 2,354,872; Aug. 1.
Refractory composition. R. V. Kleinschmidt and E. Washken. 2,354,757; Aug. 1.
Refrigerating apparatus. A. A. Kucher, A. A. McCormack, and G. W. Wolcott. 2,354,865; Aug. 1.
Refrigeration. T. K. Sherwood. 2,354,884; Aug. 1.
Refrigerator control system. J. N. Roth. 2,354,705; Aug. 1.
Regeneration of spent treating solutions. A. E. Harnsberger. 2,354,974; Aug. 1.
Releasable joinder lock. M. I. Williamson. 2,354,726; Aug. 1.
Remote position indicator. A. H. Wolferz. 2,354,902; Aug. 1.
Remote-reading specific-gravity indicator. J. L. Woodbridge. 2,354,847; Aug. 1.
Resilient plastic composition and making the same. P. V. McKinney and M. G. Mayberry. 2,354,868; Aug. 1.
Resinous artificial materials, Producing shaped. C. Dreyfus. 2,354,744; Aug. 1.
Resins from catechol type tannins, Nitrogenous. J. W. Eastes and C. Averill. 2,354,672; Aug. 1.
Resins from polyphenylol sulphur compounds, Insoluble nitrogenous. J. W. Eastes. 2,354,671; Aug. 1.
Rheostat. C. J. Gancl. 2,354,808; Aug. 1.
Riveting tool and riveting. M. Goldstein. 2,354,914; Aug. 1.
Rolling mill. E. T. Peterson. 2,354,771; Aug. 1.
Rotary plug valve. R. L. Kerr. 2,354,864; Aug. 1.
Safety inner tube. E. Eger. 2,354,912; Aug. 1.
Salt bath furnace. A. F. Holden. 2,354,753; Aug. 1.
Sawdust burner feeder. R. H. Blusson. 2,354,647; Aug. 1.
Scaffold, Airplane. R. L. Bailey and L. J. Hennessy. 2,354,905–6; Aug. 1.
Scale, Combination. B. F. Brown. 2,354,737; Aug. 1.
Scoop-and-boom structure, Combination. K. W. Couse. 2,354,740; Aug. 1.
Seal for submersible structures. T. G. Myers. 2,354,874; Aug. 1.
Seat: *See*—
Auxiliary bicycle seat. Rafter seat.
Seismic surveying. W. O. Bazhaw and J. O. Parr, Jr. 2,354,659; Aug. 1.
Self service system for storage and utilization of fuel gases. R. W. Thomas. 2,354,894; Aug. 1.
Separation of tall oil into its constituents. J. D. Jenkins. 2,354,812; Aug. 1.
Separator: *See*—
Crankcase-oil separator.
Serving table. H. A. Treitel. 2,354,941; Aug. 1.
Servo mechanism. A. Raines and A. Martindell. 2,354,703; Aug. 1.
Sewing machine. C. Sturzlinger. 2,354,783; Aug. 1.
Sewing machine, Shoe. F. Ashworth and C. F. Whitaker. 2,354,729–31; Aug. 1.
Sewing machine, Work arm. F. Lutz. 2,354,819; Aug. 1.
Shaver. R. G. Arey. 2,354,657; Aug. 1.
Shoe. S. Wolff. 2,354,903; Aug. 1.
Shoemaking. A. Cocozella. 2,354,797; Aug. 1.
Shoe manufacture, Prewelt. E. L. Sawyer. 2,354,837; Aug. 1.
Shuttlecock. B. O. Beck. 2,354,790; Aug. 1.
Signaling system, Well. D. Silverman and R. E. Fearon. 2,354,887; Aug. 1.
Sill construction for rail car bodies, Side. A. G. Dean. 2,354,852; Aug. 1.
Single track auxiliary wheel and tire carrier. K. C. Clark. 2,354,944; Aug. 1.
Siren. R. C. Jones, H. T. O'Neil, and E. C. Wente. 2,354,684; Aug. 1.
Skein winding machine. J. H. Bradnack, D. C. Thompson, and H. C. R. Folmer. 2,354,792; Aug. 1.

Smoking pipe. P. J. Stieger. 2,354,712; Aug. 1.
Sock stretcher and drier, Foldable and extensible. M. D. Causer. 2,354,849; Aug. 1.
Sound generator. E. L. Owens. 2,354,699; Aug. 1.
Sound recording machine. H. P. Clausen. 2,354,739; Aug. 1.
Spark gap. A. C. Wall. 2,354,786; Aug. 1.
Spring assembly. E. Robey. 2,354,834; Aug. 1.
Spring structure. V. Asaro. 2,354,728; Aug. 1.
Stand: *See*—
Reading stand.
Starch product and making. Waxy. H. H. Schopmeyer and G. E. Felton. 2,354,838; Aug. 1.
Starter, Engine. H. A. Thornburg. 2,354,844; Aug. 1.
Starting gate. D. M. Mackenzie. 2,354,821; Aug. 1.
Sterilizer. W. E. Law. 2,354,817; Aug. 1.
Strainer. H. Hellan. 2,354,752; Aug. 1.
Sulphides, selenides and tellurides, Producing alkali-metal. G. L. Cunningham. 2,354,742; Aug. 1.
Support: *See*—
Trolley wire support.
Switch: *See*—
Electric switch.
Switch control. A. Buttner. 2,354,651; Aug. 1.
Syringe, Mouth spray. G. C. Reifsnyder. 2,355,012; Aug. 1.
Table: *See*—
Serving table.
Tank for airplanes, Fuel. M. G. P. Pescara. 2,354,701; Aug. 1.
Tape, Composite. W. C. Protz. 2,354,702; Aug. 1.
Tape, Measuring. A. W. Keuffel and G. L. Henzel. 2,354,756; Aug. 1.
Teaching time. M. G. McGowan. 2,354,978; Aug. 1.
Temperature control system for electric heating devices. W. K. Kearsley. 2,354,918; Aug. 1.
Terpene derivative. A. L. Rummelsburg. 2,354,774; Aug. 1.
Terpene resin. A. L. Rummelsburg. 2,354,775–6; Aug. 1.
Text or work book and binder, Folding pocket. J. G. Stradling and L. F. Hance. 2,354,782; Aug. 1.
Thermoplastics, Method and apparatus for heating. H. A. Strickland, Jr. 2,354,714; Aug. 1.
Thermostat. F. D. Joesting. 2,354,814; Aug. 1.
Thermostatic device. V. G. Anderson and L. Muller. 2,354,655; Aug. 1.
Threads, Making endless track. F. E. Burgess. 2,354,650; Aug. 1.
Time recording mechanism. E. J. Woodhall. 2,354,934; Aug. 1.
Toe protecting device and making the same. M. J. Patterson. 2,354,770; Aug. 1.
Toggle operated valve. D. G. Fawkes. 2,354,987; Aug. 1.
Tool: *See*—
Filling tool. Percussion tool.
Machine tool.
Tool. C. H. Bensinger. 2,354,735; Aug. 1.
Toolholder for vacuum cleaners. T. K. Scott. 2,355,034; Aug. 1.
Transmission line load for high frequencies. H. E. Goldstine. 2,354,809; Aug. 1.
Transmitter. E. T. Baldwin. 2,354,733; Aug. 1.
Trolley wire support. S. S. Matthes. 2,354,869; Aug. 1.
Truck, Car. C. L. Heater. 2,354,975; Aug. 1.
Tube: *See*—
Electronic tube. Safety inner tube.
Tube perforating machine. G. M. Hartsock and H. S. Rounds. 2,354,860; Aug. 1.
Turbine apparatus. R. B. Luckenbach. 2,354,761; Aug. 1.
Turret assembly and anchorage, Revolving. E. Balstad. 2,354,644; Aug. 1.
Two or four wheel steering, Alternative. W. L. Reid. 2,354,830; Aug. 1.
Undergarment. E. Donaldson and E. Chatfield. 2,354,669; Aug. 1.
Uniform cap. I. and M. Libshutz. 2,354,759; Aug. 1.
Universal joint. W. A. O'Donnell. 2,354,961; Aug. 1.
Values from citrous fruit, Recovering. W. C. Platt. 2,354,878; Aug. 1.
Valve: *See*—
Control valve. Rotary plug valve.
Hollow head poppet valve. Toggle operated valve.
Valve. C. R. Stone. 2,355,017; Aug. 1.
Valve and automatic operating mechanism therefor. C. T. McGill and O. F. Dubrulel. 2,354,694; Aug. 1.
Valve control system. E. P. Smith. 2,354,888; Aug. 1.
Valve for internal-combustion engines. F. Fix. 2,354,988; Aug. 1.
Valve lubrication system. R. A. Patterson. 2,354,926; Aug. 1.
Valve mechanism, Two-way. W. F. Boldt. 2,354,791; Aug. 1.
Vehicle body and frame. J. Pezzano. 2,354,700; Aug. 1.
Ventilator. K. S. Castle. 2,354,795; Aug. 1.
Visible record. T. J. O'Kane. 2,354,769; Aug. 1.
Voting booth assembly. W. R. and W. H. Douglas. 2,354,743; Aug. 1.
Wardrobe bag. E. J. Malone. 2,355,002; Aug. 1.
Washer: *See*—
Air and gas washer. Gas cleaner and washer.
Washing apparatus for air preheaters. J. Waitkus. 2,355,021; Aug. 1.
Water in liquid and solid carbon dioxide, Controlling the percentage of. E. Baird. 2,354,732; Aug. 1.
Weft and holder for weft replenishing looms. H. A. Whitin. 2,355,022; Aug. 1.
Wheel for chairs. E. C. Thornton. 2,354,845; Aug. 1.
Wheel for skates, Measuring. S. Segal. 2,354,708; Aug. 1.
Winder, Paper. L. Hornbostel. 2,354,952; Aug. 1.
Window construction, Bus or car. J. Schunk. 2,354,839; Aug. 1.
Windrower. A. W. Oehler, D. L. Adams, and S. S. Harter. 2,354,962; Aug. 1.
Wire inserts in tapped holes, Securing. O. Haas and J. R. Hawkins. 2,354,810; Aug. 1.
Work holder. F. G. Volkel. 2,354,970; Aug. 1.
Work-holding device having a ball and socket as a means for universal adjustment. C. W. Barker. 2,354,937; Aug. 1.
Yielding pressure welding. G. K. Blum and A. E. Peters. 2,354,983; Aug. 1.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 1, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1—	11: 2,354,920	56—	25: 2,354,710	106—	154: 2,355,033	167—	24: Re.22,524	210—	24: 2,354,694	251—	118: 2,354,791
	49: 2,354,760		157: 2,354,986		247: 2,354,868		33: 2,354,940		49.5: 2,354,856		159: 2,354,967
2—	6: 2,354,840	57—	13: 2,354,765		306: 2,354,858		81: 2,354,738		150.5: 2,354,645	252—	1: 2,355,029
	14: 2,355,015		34.5: 2,354,893	107—	9: 2,354,681	169—	2: 2,354,762		165: 2,354,752		8.5: 2,354,648
	27: 2,354,697	60—	1: 2,354,761	110—	7: 2,354,747	170—	163: 2,354,948		169: 2,354,931		34: 2,355,009
	195: 2,354,759		41: 2,354,698		22: 2,354,999		2,355,039	211—	94: 2,354,938		283: 2,354,713
	224: 2,354,669		54.6: 2,354,957		31: 2,354,963	171—	95: 2,354,718	212—	38: 2,354,863		333: 2,354,993
	2,354,971	61—	80: 2,354,936	111—	63: 2,354,886	172—	126: 2,354,723		39: Re.22,525	254—139.1:	2,354,740
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9—	8.3: 2,355,013		2,354,925		55: 2,354,730		2,354,950	215—	40: 2,354,855	255—	27: 2,354,709
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	257: 2,355,034	66—	9: 2,355,019		208: 2,354,666		352: 2,354,887		2,354,701		101: 2,354,776
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	54: 2,354,744		50: 2,355,011		156: 2,354,662		2,354,682		2,354,944		457: 2,354,774
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	288: 2,355,024	88—	2.4: 2,354,720		81: 2,354,770	188—	56: 2,354,972		92: 2,354,768	273—	106: 2,354,790
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	208: 2,354,690		62: 2,354,825	137—	78: 2,354,693	191—	40: 2,354,860		49: 2,354,665		61: 2,354,845
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	123: 2,354,767		134: 2,355,031		153: 2,354,778	194—	10: 2,354,896	244—	111: 2,355,026	286—	11: 2,354,874
	137: 2,354,756		136: 2,355,032	138—	31: 2,355,001	196—	9: 2,354,866		134: 2,354,764		29: 2,354,831
	168: 2,355,007		162: 2,355,030	139—	247: 2,355,022		52: 2,355,016	246—	464: 2,354,880	287—	12: 2,354,937
	189: 2,354,862		163: 2,354,719		319: 2,354,843	198—	24: 2,355,036	248—	68: 2,354,919		58: 2,354,806
	204: 2,354,917		429: 2,354,822	142—	56: 2,354,689		37: 2,354,647		103: 2,354,955		103: 2,354,956
35—	40: 2,354,785	100—	47: 2,354,721	146—	3: 2,354,878		131: 2,354,939		199: 2,354,859	292—	45: 2,355,025
36—	19.5: 2,354,903	101—	350: 2,354,981	150—	35: 2,354,793		233: 2,354,990		226: 2,354,746	293—	57: 2,354,700
40—	142: 2,354,984	102—	4: 2,354,754	152—	211: 2,354,715	200—	5: 2,354,779		361: 2,354,935	294—	87: 2,355,004
41—	21: 2,354,772		6: 2,354,852		342: 2,354,912		6: 2,354,780	250—	8: 2,354,827	304—	2: 2,354,905
	22: 2,354,857	103—	4: 2,354,960	154—	1: 2,354,692		33: 2,354,965		20: 2,354,749		3: 2,354,906
43—	12: 2,354,942		6: 2,354,811		43: 2,354,702		38: 2,354,651		2,354,959	308—	73: 2,354,870
44—	58: 2,354,873		126: 2,354,992		50: 2,354,707		48: 2,354,991		27: 2,354,930		231: 2,354,644
	60: 2,354,646		150: 2,354,958	155—	5.13: 2,354,881		113: 2,354,933		27.5: 2,354,786		233: 2,354,724
	75: 2,354,798		218: 2,355,035		140: 2,354,949		133: 2,354,907		2,354,908	312—	10: 2,354,872
45—	60: 2,354,908		262: 2,354,828		157: 2,354,736		153: 2,354,910		2,354,946		150: 2,354,835
47—	62: Pl.Pt.635	105—	197: 2,354,975		179: 2,354,834	201—	53: 2,354,808		36: 2,354,800	314—	52: 2,354,911
49—	1: 2,354,807		369: 2,354,861		180: 2,354,728		64: 2,354,809		41.5: 2,354,954		63: 2,354,655
51—184.3:	2,354,890		410: 2,354,680	160—	11: 2,354,832	202—	161: 2,354,897		43: 2,354,817	315—	138: 2,354,654
	217: 2,354,970		418: 2,354,852		168: 2,354,803	206—	7: 2,355,002		141: 2,354,661		2,354,879
55—	104: 2,354,850	106—	2: 2,354,979	164—	108: 2,354,860		62: 2,354,706	251—	93: 2,354,864		187: 2,354,696
56—	23: 2,354,962		62: 2,354,757	166—	15: 2,354,929		84: 2,354,824		96: 2,355,017	320—	5: 2,354,877

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,354,656: 255— 63	2,354,693: 137— 78	2,354,763: 117— 50	2,354,854: 192— 14	2,354,893: 57— 34.5	2,354,956: 287— 103
2,354,675: 183— 21	2,354,702: 154— 43	2,354,765: 57— 13	2,354,856: 210— 49.5	2,354,911: 314— 52	2,354,996: 22— 52
2,354,676: 183— 21	2,354,710: 56— 25	2,354,780: 129— 62	2,354,859: 248— 199	2,354,913: 242— 155	2,355,009: 252— 34
2,354,677: 183— 21	2,354,722: 123— 119	2,354,792: 242— 49	2,354,867: 220— 24	2,354,915: 137— 78	2,355,030: 99— 162
2,354,678: 183— 21	2,354,752: 210— 165	2,354,798: 44— 75	2,354,868: 106— 247	2,354,927: 220— 36	
2,354,691: 220— 1	2,354,754: 102— 4	2,354,834: 155— 179	2,354,872: 312— 10	2,354,952: 242— 66	

D 3—17: Des.138, 422	D 3—26: Des.138, 428	D29—28: Des.138, 403	D41— 1: Des.138, 425	D54—14: Des.138, 417	D74— 2: Des.138, 396
26: Des.138, 414	Des.138, 429	D30— 1: Des.138, 423	D44—29: Des.138, 398	D57— 1: Des.138, 401	Des.138, 424
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Des.138, 420	D26— 1: Des.138, 408	5: Des.138, 400	D52— 1: Des.138, 392	D67— 3: Des.138, 391	D83— 1: Des.138, 411
Des.138, 426	13: Des.138, 405	Des.138, 407	4: Des.138, 397	D71— 1: Des.138, 421	D92— 1: Des.138, 404
Des.138, 427	D29—20: Des.138, 393	15: Des.138, 402	D54—14: Des.138, 412	D72— 1: Des.138, 406	

U. S. GOVERNMENT PRINTING OFFICE: 1944

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

KAUFFMAN II *v.* ALTORFER

No. 4,781. Decided March 6, 1944

[141 F.(2d) 514]

1. INTERFERENCE—REDUCTION TO PRACTICE—SUFFICIENCY OF TESTS.

Held that appellant had failed to establish that he successfully reduced to practice the wringer in issue by the construction and operation of his Exhibit E, since while the testimony of appellant and his witnesses showed that the exhibit wringer was tested and that the release mechanism operated to relieve the pressure on the rolls, that testimony did not "establish that by constructing the wringer * * * appellant solved the problem confronting him, which * * * was 'not merely one of providing a mechanical device that will accomplish the release of pressure but involves also a means of effecting such release that is practically instantaneous in its action, that is sensitive to the touch of the operator, and one that may be actuated with certainty by the operator under panic conditions.'"

2. SAME—PRIORITY.

Evidence reviewed and *Held* that priority properly was awarded to appellee.

APPEAL from the Patent Office. Affirmed.

Mr. Hugh C. Lord (*Mr. Charles E. Riordon* of counsel) for Kauffman II.

Mr. Joseph H. Milans for Altorfer.

HATFIELD, *J.:*

This is an appeal in an interference proceeding from the decision of the Board of Interference Examiners of the United States Patent Office awarding priority of invention of the subject matter defined in the eight counts in issue (Nos. 1 to 8, inclusive) to appellee, Alpheus W. Altorfer.

The interference is between appellant's reissue application, No. 228,713, filed September 6, 1938, for the reissue of his patent, No. 2,087,977, issued July 27, 1937, on an application filed May 11, 1933, and appellee's application, No. 641,847, filed November 9, 1932.

Counts 1 and 2 are illustrative of the counts in issue. They read:

1. In a wringer, a main frame, a roller journalled therein, a second frame adapted to cooperate with the main frame, supporting members carried by said second frame, journals carried by said supporting members and movable relative thereto, a second roller mounted in said journal and resilient means urging said journals away from said second frame, means for releasably locking the second frame in position on the main frame and safety release mechanism including a push or pull rod mounted upon said second frame and passing through opposite portions thereof.

2. In a wringer, a main frame, a roller journalled therein, a second frame adapted to cooperate with the main frame, supporting members carried by said second frame, journals carried by said supporting members and movable relative thereto, a second roller mounted in said journals and resilient means urging said journals away from said second frame, means for releasably locking the second frame in position on the main frame and safety release mechanism including a push or pull rod disposed transversely of the upper frame.

The invention relates to improvements in clothes wringers for use on washing machines, and particularly to safety release mechanism for relieving the pressure on the rolls.

Appellant is the junior party, and the burden was upon him to establish priority of invention by a preponderance of the evidence.

The safety release mechanism, as set forth in count 1, includes "a push or pull rod mounted upon said second frame and passing through opposite portions thereof," and, as set forth in count 2, includes "a push or pull rod disposed transversely of the upper frame."

Counsel for appellant, who represented the appellant Kauffman in the case of *Kauffman II* v. *Etten and Hoke*, 25 C. C. P. A. (Patents) 1127, 97 F.(2d) 134, 496 O. G. 858, quotes in his brief from our decision in that case as to the purpose and function of release mechanism generally similar in purpose and function to the mechanism here involved as follows:

* * * The function of such subject matter is described broadly in the brief on behalf of the party Kauffman, as follows:

Clothes wringers are now commonly used in connection with power washing machines and the wringers are also power driven. With the introduction of the power wringers the danger from injury to the operator by the indrawing of a hand, hair or clothes of the operator between the rolls became a matter of immediate concern and very many devices have been invented to avoid such injury or to minimize injury by providing safety releases through which the pressure on the rolls may be instantly relieved. *The problem involved is not merely one of providing a mechanical device that will accomplish the release of pressure but involves also a means of effecting such release that is practically instantaneous in its action, that is sensitive to the touch of the operator, and one that may be actuated with certainty by the operator under panic conditions.* [Italics not quoted.]

Counsel states in his brief that, although the issue here involved differs from that in the Kauffman case, supra, the Kauffman record in that case was made a part of the record in the instant case by stipulation. Additional evidence was introduced by appellant to which we will hereinafter more particularly refer.

In the instant case, appellant relies upon the same physical exhibit (Exhibit E) for conception and reduction to practice which he relied upon in the Kauffman case, supra. In that case, however, it was held that the counts there involved did not read upon Exhibit E, and that, therefore, the exhibit would not be considered "upon the questions of conception and reduction to practice."

Appellant's wringer (Exhibit E) is illustrated by his Exhibit C which is a "pencil drawing" and which, according to the testimony of appellant, was apparently made to aid in the description of Exhibit E during the preparation of appellant's case in *Kauffman II* v. *Etten and Hoke*, supra.

In its decision, the Board of Interference Examiners stated that appellant—

must rely upon the making and testing of his Exhibit E in order to establish his case on priority. This is the only wringer supporting the counts in issue made and tested prior to the Altorfer filing date. The record establishes that Exhibit "E" was made and tested by November 15, 1930. The device was substantially as illustrated in Kauffman Exhibit "C".

The Board held that after the testing of Exhibit E "many wringer structures were made and tested,"

which "were in the main departures from the design of Exhibit E." The Board further stated that the reason for making other wringer structures and testing them was because Exhibit E was not satisfactory, and held that—

After the production of Exhibit "E" Kauffman made other designs in order to obtain the desired results. This strongly suggests failure of the original device and indicates that it was nothing more than an abandoned experiment. The mere fact that at a later date work on the Exhibit "E" types of machine was resumed does not prove its success. On the contrary it appears to be further evidence of original failure.

In support of that holding, the Board cited the cases of *Grus* v. *Eynon*, 1920 C. D. 49, 276 O. G. 775; *Stewart* v. *Robinson*, 19 C. C. P. A. (Patents) 953, 55 F.(2d) 998, 1932 C. D. 245, 419 O. G. 291. The Board also held that, although appellant was entitled to November 15, 1930 (the date of the construction of his device, Exhibit E) for conception of the involved invention, he had failed to prove a successful reduction to practice prior to the filing date of appellee's application—November 9, 1932.

The Board considered the evidence introduced by appellee and held that appellee's Exhibit No. 7 was constructed and successfully tested in November 1929; that, although that exhibit did not conform to counts 1 and 3, which require that the push or pull rod pass through opposite portions of the upper frame of the wringer, it conformed to all of the other counts in issue; that appellee's Exhibits Nos. 12 and 16, which were completed and successfully tested

"by March 22, 1932, and June, 1932, respectively,"

conformed to all of the involved counts; that appellee was the first to conceive and the first to reduce to practice the subject matter of all the counts, except counts 1 and 3; that, although appellant was the first to conceive the invention defined by counts 1 and 3 by the construction of his device (Exhibit E), he was not diligent in reducing the invention defined by those counts to practice, "for," as stated by the Board,

"he did not resume work on the type of device shown in his Exhibit 'E' until December, 1932, a date subsequent to Altorfer's dates for actual as well as constructive reduction to practice";

and that, therefore, appellee was entitled to an award of priority of the invention defined by each of the counts in issue.

It is contended here by counsel for appellant that the Board erred in holding that appellant's device (Exhibit E), which was made and tested as early as November 15, 1930, was not successfully reduced to practice, and that the Board was influenced almost entirely by the testimony in rebuttal of appellant's witness George J. Toland, which testimony the Board misinterpreted. It is argued by counsel that the testimony relied upon by the Board as referring to appellant's Exhibit E had reference to an entirely different structure—a wringer, Exhibit 28–B, which was apparently developed from Exhibit R–A, a drawing dated December 15, 1932, and Exhibits R–B–*a* and R–B–*b* which are photographs of a wringer apparently constructed sometime early in 1933.

The witness Toland, an employee of appellant's assignee the Lovell Manufacturing Company, in his rebuttal testimony stated on cross-examination that he did not know how many machines of the general type disclosed in the photographs (Exhibits R–B–*a* and R–B–*b*) were made, but that many were made before satisfactory results were obtained.

The rebuttal testimony of the witness upon which the Board apparently relied is as follows:

XQ. 31. No, I am talking about this one here (referring to a photograph taken from briefcase), Exhibit "E". Do you see that bar there? Do you see that going through that little slot there?

A. Oh, sure, that is a Z-type. That is what I meant by the plate. There is a plate inside there, and you press this side, and the opposite side comes in, and that releases your latches.

The witness Toland further stated that the device (Exhibit E) was one of the first ones made. When asked what particular part of that device needed improvement, he said:

Why, because it didn't seem to be right to put out to the public. To explain it clearly, well, in other words, if you want production, you have to have an almost foolproof release. When you call it a release, you have to have a release. When you press a lever to release it, you were supposed to have a release, and the way this was, it wasn't positive. Of course, anyone that has had experience with wringers, or anybody experienced with machines in releasing, they know how it should work, and in that way they would baby the release part in order to release it. But take a woman that has no machinery ideas or anything of that kind, why, she will be hammering on there and maybe bend the whole thing. There has to be more security.

It is unnecessary that we quote further from that particular line of testimony. Whether the witness understood that the questions propounded to him related to Exhibit E or to some other device, we have no way of knowing as he was not interrogated regarding the matter on redirect examination. However, it would seem to be clear that the questions definitely were asked concerning Exhibit E. The witness stated that the wringer referred to was a Z-type, and it appears from the record introduced in this case by stipulation that the witness testified that Exhibit E was a Z-type wringer, although the record also discloses that a wringer of the Z-type (as shown in the drawing, Exhibit B, which apparently was made during the preparation of appellant's case in the case of *Kauffman II* v. *Etten and Hoke*, supra, to aid in the description of that wringer) was made, tested, and found to be unsatisfactory prior to the making of Exhibit E.

The testimony of the witness Toland indicates quite clearly that appellant had not produced an entirely satisfactory device conforming to the counts in issue prior to the early part of 1933.

Counsel for appellant argues that the testimony of appellant Kauffman and that of the witnesses Toland, Ernest J. Schuda, and Earl V. Godfrey, which was submitted in the case of *Kauffman II* v. *Etten and Hoke*, supra, and which was made a part of the record in the instant case by stipulation, establishes that the wringer (Exhibit E) was successfully reduced to practice on or about November 15, 1930.

Appellant Kauffman testified that immediately after the construction of Exhibit E on November 15, 1930—

It was put on a washing machine and thoroughly tested by wringing clothes through it as well as test boards and being repeatedly released and reassembled under operating conditions. It was also tested and examined and criticized by a number of other men in the Lovell organization and the management.

* * * * * * *

A thorough discussion of the possibilities and shortcomings of the device followed, with a general condemnation because of the projection of the bars 5 [which extend partially across and on opposite sides of the upper part of the frame] into position where they would be apt to catch the clothes of the operator or would be inadvertently bumped against by an operator causing unwanted release.

Appellant Kauffman, whose testimony was taken in January 1935, further testified that Exhibit E

"was given concentrated attention for a week or two and has been a subject of consideration and more or less testing ever since";

that Exhibit E is the identical wringer that was made in 1930, except that

"the rolls have been replaced";

that, since November 1930, the wringer had been

"on a shelf in the experimental room of the Lovell Mfg. Co.";

that the device as shown in Exhibit B, hereinbefore referred to and which was made prior to the making of Exhibit E,

"was considered not sufficiently sensitive when struck at that part of the bars nearest the center of the wringer,"

and that for that reason Exhibit E was made.

Although it is clear from the evidence submitted by appellant that the device as shown in the drawing (Exhibit B) was not satisfactory, nevertheless, appellant testified that that device and Exhibit E were both tested "successfully, not once but many times." Appellant also testified that Exhibit E was the only wringer "of that sort that was ever built."

It appears from the record that various devices were made subsequent to the testing of Exhibit E, which were unsatisfactory.

The witness Toland testified regarding the testing of Exhibit E as follows:

Q. 46. After you made the wringer, what did you do with it?

A. Taking it from my bench, bolted it on a washing machine, ran clothes and also wood to test the release to see what really would happen, but as we found, it worked as we would like to have it and as the different men in the shop, meaning Lovell Mfg. Co., have examined the working part of this mechanism, they have found that it would release under pressure and also with clothes or wood in between the rolls.

Appellant's witness Ernest J. Schuda, a master mechanic in the employ of the Lovell Manufacturing Company, testified that the device as illustrated by Exhibit B was not satisfactory, and that Exhibit E was made about the middle of November 1930. We quote from his testimony with regard to the testing of Exhibit E as follows:

Q. 53. After Exhibit "E" was made, what was done with it?

A. It was put on a washing machine, tested by wringing boards, clothes and an old blanket and quilt we had around there; it was tested out thoroughly.

Q. 54. How did it work?

A. It worked all right except for the same objection of having anything sticking out from the side of the top.

Appellant's witness Earl V. Godfrey, general superintendent of the Lovell Manufacturing Company, testified that Exhibit E "operated very nicely," except for "the 'E' bar there, we had to shorten the handle to allow the bar to pass by the end of it."

[1] It clearly appears from the testimony of appellant and his witnesses that Exhibit E was tested, and that the release mechanism operated to relieve the pressure on the rolls. However, that testimony does not establish that by constructing the wringer (Exhibit E) appellant solved the problem confronting him, which, as clearly appears from the evidence of record and which counsel for appellant emphasized in his brief by the hereinbefore quoted excerpt from our decision in the Kauffman case, supra, was

"not merely one of providing a mechanical device that will accomplish the release of pressure but involves also a means of effecting such release that is practically instantaneous in its action, that is sensitive to the touch of the operator, and one that may be actuated with certainty by the operator under panic conditions."

As will be recalled, appellant Kauffman testified that Exhibit E was the only wringer "of that sort that was ever built." Furthermore, it appears from the record that on July 11, 1932, a year and eight months after the making and testing of Exhibit E, appellant Kauffman filed an application for patent, No. 621,921, which matured into Patent No. 2,216,197 on October 1, 1940, for improvements in safety release devices for wringers, which did not disclose the involved invention.

After careful consideration of the record, we are of opinion, as was the Board of Interference Examiners, that appellant has failed to establish that he successfully reduced the involved invention to practice by the construction and operation of Exhibit E.

Although, in his reasons of appeal, counsel for appellant contends that the Board erred in holding that appellant was not diligent in reducing to practice the invention defined by counts 1 and 3, that question is not argued in the brief of counsel. However, we have carefully examined the record and are unable to hold that appellant reduced the invention to practice at any time prior to the filing of appellee's application (November 9, 1932), or that he was diligent in reducing the invention to practice at or immediately prior to that date. It is unnecessary, therefore, that we consider other arguments presented here by counsel for the parties.

[2] For the reasons stated, we are of opinion that the Board of Interference Examiners reached the right conclusion. Accordingly, its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

OTARD, INC., *v.* ITALIAN SWISS COLONY

(Nos. 4837 and 4838)

SCHIEFFELIN & CO. *v.* ITALIAN SWISS COLONY

(Nos. 4839 and 4840)

CANADA DRY GINGER ALE, INC., *v.* ITALIAN SWISS COLONY (Nos. 4841 and 4842)

JULIUS WILE SONS & CO., INC., *v.* ITALIAN SWISS COLONY (Nos. 4843 and 4844)

F-C-G IMPORTERS, INC., *v.* ITALIAN SWISS COLONY

(Nos. 4845 and 4846)

PARK & TILFORD IMPORT CORP. *v.* ITALIAN SWISS COLONY (Nos. 4847 and 4848)

Nos. 4,837 to 4,848. Decided March 6, 1944

[141 F.(2d) 706]

1. WORDS AND PHRASES—"COGNAC."
   "Cognac is a name applied to a type of brandy distilled from wines made from grapes grown in a limited territorial region of France, often referred to as the Cognac district, the boundaries of which are defined by French law. * * * Under French law the term may not be applied in France to any type of brandy (whether domestically dealt in or exported) produced outside the region so defined."
2. TRADE-MARKS—OPPOSITION—SHOWING OF INJURY.
   An importer and distributor in the United States of the brandy known as "Cognac," produced from grapes grown in the "Cognac region" of France *Held* entitled to file a notice of opposition to an application for registration of the notation "Calognac" as a trade-mark for brandy, in which the stated ground of opposition, in essence, was that it would suffer damage by reason of the confusion which allegedly would result from the registration and use of "Calognac" because of its resemblance to the name "Cognac."
3. SAME—CONFUSING SIMILARITY.
   "We think there is such a similarity between 'Calognac' and 'Cognac' that confusion would be likely to result from the application of 'Calognac' to brandies."
4. SAME—SAME.
   "Colognac" *Held* so closely to resemble "Cognac" that confusion would be likely to result from the application of "Colognac" to brandies.

APPEALS from the Patent Office. Reversed.

Mr. Asher Blum (*Mr. Hugo Mock* of counsel) for Otard, Inc.

Mr. Maurice J. Moore for Schieffelin & Co.

Mr. Edmund H. Parry, Jr. (*Messrs. Parry & Miller* of counsel) for Canada Dry Ginger Ale, Inc., Julius Wile Sons & Co., Inc., F-C-G Importers, Inc., and Park & Tilford Import Corp.

Messrs. Jackson & Webster (*Mr. Chas. R. Allen* and *Mr. William G. Mackay* of counsel) for Italian Swiss Colony.

GARRETT, *P. J.*:

Each case above listed presents an appeal from the decision of the Commissioner of Patents (speaking through an Assistant Commissioner) in a trade-mark opposition proceeding. By reason of the similarity of the issues involved all the cases are covered by a consolidated record. The cases were briefed and argued together, three briefs being filed on behalf of different of the appellants and one on behalf of appellee. The appellee in each case is the Italian Swiss Colony, a corporation of the State of California.

Two applications, Serial Nos. 434,212 and 434,213, were filed in the Patent Office by appellee on July 22, 1940, for the registration of trade-marks for brandy. In Serial No. 434,212 the mark consists of the notation "Calognac" and in Serial No. 434,213 it consists of the notation "Colognac." Both are coined words, having no dictionary definitions.

It is conceded that appellee, so far, has applied the respective marks only to brandy produced from grapes grown in California, but there is nothing in the applications which limits their use to such brandies. So far as the applications are concerned the marks could be applied to brandies made anywhere from anything.

All the appellants above listed filed separate notices of opposition to both applications, so that twelve cases were before the tribunals of the Patent Office and are now before us. The grounds of opposition, however, are substantially the same in all the cases.

It appears that the several appellants are importers and distributors in the United States of a brandy known by the name of "Cognac," which is produced from grapes grown in a limited territorial region of France, sometimes referred to as the "Cognac region," the town or city of Cognac being located therein. It is not claimed by appellants that the term "Cognac" is a technical trade-mark, although the word is included in certain registrations named in, and filed with, the notices of opposition. The contentions respecting it are stated later in this decision.

The Examiner of Trade-Mark Interferences in separate decisions dismissed each of the twelve oppositions on the ground that the opposers could not qualify "under any of the descriptiveness clauses, geographical or otherwise, of section 5" of the Trade-Mark Act of 1905, and further held the notations of appellee to be registrable as valid technical trade-marks.

All the opposers took separate appeals to the Commissioner. He held, in effect, that, upon the facts appearing, the name "Cognac" is both descriptive and geographical (a matter admitted by the opposers, although it is claimed to be more than merely descriptive or merely geographical) but that the use, both descriptive and geographical, made of the term in the business of opposers gave them the right to file the oppositions (citing the cases of *Burmel Handkerchief Corp.* v. *Cluett, Peabody & Co., Inc.*, 29 C. C. P. A. (Patents) 1024, 127 F.(2d) 318, 542 O. G. 395, and *Trustees Arch Preserver Shoe Patents* v. *J. McCreery & Co.*, 18 C. C. P. A. (Patents) 1507, 49 F.(2d) 1068, 410 O. G. 541), but said (we quote from his decision in appeal 4,837) inter alia:

> It seems to me the only question requiring determination is whether it appears reasonably likely that people seeing the name "Calognac" on brandy will believe the brandy to be cognac; in other words whether "Calognac" will be reasonably likely to impress purchasers and the public as merely a corruption or a mere misspelling of the word "cognac" and to mean nothing else but cognac either descriptively or geographically or both; for instance as in the case of *American Druggists Syndicate* v. *U. S. Industrial Alcohol Co.*, 55 App. D. C. 140, 2 Fed.(2d) 942, 332 O. G. 5, which involved the words "Al-Kol" and "alcohol".

If the mark "Calognac" applied to brandy would not be likely to lead purchasers and the public to believe the brandy actually was cognac opposer would not be likely to be damaged by registration of the mark and the opposition would fail for that reason.

Accordingly, after further discussion hereinafter alluded to, he, in effect, affirmed the decisions of the Examiner of Trade-Mark Interferences dismissing the several oppositions, and also affirmed the latter's holding that appellee is entitled to the registrations sought.

The several appeals to this court followed.

It may be said here that testimony was taken on behalf of Otard, Inc., in connection with which various documentary exhibits were introduced, and that it was stipulated that all the evidence so adduced, so far as pertinent, might be used in all the cases. Appellee took no testimony but did give notice under Patent Office rule 154 (*e*) that at final hearing it would rely upon certain cited registrations, owned by it, as evidence.

Since the grounds of opposition relied upon by all the opposers are, in substance, the same, and since the decisions appealed from are practically identical in all the cases, and the reasons of appeal the same in meaning, we think it will conduce to clearness in our decisions to confine our principal discussion to a single case, and, for this purpose, we take the first on the list—that of *Otard, Inc.*, v. *Italian Swiss Colony*, appeal No. 4,837, opposition No. 20,337, in which the involved notation of appellee is "Calognac."

OTARD, INC., v. ITALIAN SWISS COLONY

Patent Appeal No. 4,837

[1] We deem it unnecessary to review the evidence in detail or at length. It was established that Cognac is a name applied to a type of brandy distilled from wines made from grapes grown in a limited territorial region of France, often referred to as the Cognac district, the boundaries of which are defined by French law. It was further established by testimony, to which no objection was made, that under French law the term may not be applied in France to any type of brandy (whether domestically dealt in or exported) produced outside the region so defined.

As we understand from the evidence, there is a certain quality in the soil of the region which gives to the grapes there grown a particular character or flavor, which enters into the brandy made from them, and that that quality of soil is not found elsewhere in France, nor, it is claimed, in any other part of the world. It is recognized as a superior brandy; has been so recognized for several hundred years, and it long has been the policy of the French Government to protect its reputation and name. It appears from the following that such also has been the policy of the United States Treasury Department:

Appellant's Exhibit No. 3 is an official document, "Regulations No. 5" (as amended from time to time) of the Federal Alcohol Administration of the United States Treasury Department (now being administered in a division of the Alcohol Tax Unit) relating to the labeling and advertising of distilled spirits, the regulations being issued under the provisions of the Federal Alcohol Administration Act of August 29, 1935, 27 U. S. C., § 201, et seq.

Under the heading of "Article II. Standards of Identity for Distilled Spirits," in the class of brandies, the document states:

> (*d*) "Cognac" or "Cognac brandy" is grape brandy distilled in the Cognac region of France, which is entitled to be designated as "Cognac" by the laws and regulations of the French Government; and includes mixtures of such brandy.

Another paragraph of the regulations—(*b*)(2) on page 25 of the document—relates to labels of imported distilled spirits, including Cognac, covered by certificates of origin or age issued by a duly authorized official of the appropriate foreign government, and provides, in the case of Cognac, that the reference on the label to such certificate shall read substantially:

> "This product accompanied at the time of importation by an 'Acquit Regional Jaune d'Or' issued by the French Government, indicating that this grape brandy was distilled in the Cognac region of France."

In Article IV, section 46, pages 28–29 of the document, is a provision reading:

> Cognac in bottles, imported on or after August 15, 1936, shall not be released from customs custody unless the invoice is accompanied by a certificate issued by a duly authorized official of the appropriate foreign government, certifying that the product is grape brandy distilled in the Cognac region of France and entitled to be designated as "Cognac" by the laws and regulations of the French Government.

As Exhibit No. 5 opposer introduced a statement from the Federal Register of August 2, 1938, the purport of which is that after a public hearing and due consideration the Secretary of the Treasury disapproved a proposal to amend the regulations—

> * * * in such manner as to permit brandies produced in the United States which have the taste, aroma and general characteristics of Cognac, as produced in the Cognac region of France, to be designated as "Cognac" if, in direct conjunction with such designation, there appears conspicuously the name of the state or other locality in the United States in which the brandy was produced.

No reference was made in the decision of the Commissioner to the matters above quoted, respectively, from the Federal regulations and the Federal Register, nor to the testimony of a witness concerning them, nor do they appear to be specifically referred to in the reasons of appeal. Opposer urges, however, that they have a relevancy to the alleged secondary meaning, or special significance, claimed for the name Cognac, and to the alleged deceptiveness of appellee's marks as applied to a domestic brandy.

The case appears to be sui generis. While numerous authorities have been cited and discussed in the different briefs, it is conceded that no decision in a case on all fours with it has been found.

The peculiarity of the case grows out of the fact that "Cognac" is not claimed to be a technical trade-mark used as such, or subject to exclusive ownership. Appellee would have the right to use it in the same manner that appellant uses it—that is upon brandy imported from the Cognac region of France, but there is no claim on the part of appellee that it would be entitled to use it on

domestically produced brandies or on any brandies other than that coming from the described region. It is, in fact, a substantive name which for hundreds of years has meant brandy of a particular type.

As we interpret the decision of the Examiner of Trade-Mark Interferences upon the question of the right of appellant to oppose, he limited his consideration to section 5 of the Trade-Mark Act of 1905, specifically, we assume, to the provision reading,

Provided, That trade-marks which are identical with a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties, or which so nearly resemble a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be registered,

and, because appellant does not and cannot claim Cognac as a trade-mark, *held* that it has no right to oppose, and dismissed the notice of opposition for that reason.

As has been indicated, the Commissioner disagreed with that holding of the Examiner of Trade-Mark Interferences and expressed the view that appellant had the right to file the notice of opposition, but he, in effect, dismissed it on the ground that appellant would not be likely to be injured because

"no confusion or deception of purchasers appears likely to result from the use by applicant of the mark 'Calognac' on brandy, domestic or otherwise."

While it is not altogether clear, we interpret parts of appellee's brief as being intended to support the position of the Examiner of Trade-Mark Interferences on that phase of the controversy. Appellee has not dwelt upon this at great length, however, because it contends that in any event the decision of the Commissioner, as to lack of probable injury, is sound and should be sustained.

The opposition of appellant, of course, was instituted under section 6 of the Trade-Mark Act of 1905 (title 15 U. S. C., § 86) providing that any person who believes he would be damaged by the registration of a mark applied for may oppose the same by filing notice of opposition, stating the grounds therefor, and, in essence, the ground stated by appellant is that it would suffer damage by reason of the confusion which it is alleged would probably result from the registration and use of "Calognac" because of its resemblance to the name "Cognac."

It is contended, in substance, on behalf of appellant that Cognac as a name has attained a world-wide secondary meaning as solely indicating a brandy produced in or emanating from the Cognac district of France; that brandies distilled elsewhere are not legally entitled to be designated as Cognac; that the Federal Alcohol Regulations do not permit the use of the word unless the particular brandy is actually produced in the district named; that "all Cognac is brandy, but all brandies are not Cognac"; that "Calognac" is a mere obvious corruption of "Cal. Cognac," and that it is "unregistrable as being descriptive or misdescriptive as applied to domestic brandy"; that it is calculated to confuse and deceive purchasers "in the absence of any showing in the record that applicant's brandy is imported genuine Cognac brandy," and that it would "falsely indicate the origin of applicant's brandy."

[2] We think it clear that the Commissioner was right in holding appellant entitled to file the notice of opposition. In addition to the authorities upon this point cited by him, supra, attention may be directed to the case of *Model Brassiere Co., Inc.*, v. *Bromley-Shepard Co., Inc.*, 18 C. C. P. A. (Patents) 1294, 49 F.(2d) 482, 411 O. G. 538, where a majority of this court affirmed the decision of the Commissioner holding that a party, upon a showing of probable injury, might maintain an action for cancellation of a registered mark found to be descriptive, even though such party did not show that it was using the mark at the time the petition for cancellation was filed.

It may be further remarked that independent of appellant's right to oppose, it was within the authority of the Commissioner to consider ex parte appellee's right to register, and since he, in effect, dismissed the opposition his conclusion may be regarded as an ex parte decision. By appealing, appellant, of course, preserved its status as an opposer. Hence, the necessity for our consideration of that phase of the case.

[3] We find ourselves in disagreement with the tribunals of the Patent Office in dismissing the notice of opposition. We think there is such a similarity between "Calognac" and "Cognac" that confusion would be likely to result from the application of "Colognac" to brandies.

The gist of the Commissioner's closely reasoned decision appears to be fairly comprehended in the following excerpt from it:

Now it must be presumed that people know the correct spelling and pronunciation of "cognac". It is an ordinary word of long standing in the English language, and, as stated, appears to have no meaning or significance other than the natural descriptive or geographical meaning it has always had, and in this respect it differs from a word or name which has something fanciful or arbitrary about it or which includes some arbitrary or fanciful meaning or significance. It seems to me the presumption is not so strong that the spelling, pronunciation and meaning of a word of this latter character will be recognized and remembered as exactly as that of an ordinary word which has no meaning other than its ordinary and usual meaning and there will be more likelihood of confusion of a somewhat similar, but different word with a word having arbitrary or unnatural significance than with a word carrying no more than its natural, elementary significance and meaning. In my opinion it is quite possible that the same artificial trade-mark significance may appear to be present in words which differ considerably in spelling, appearance and pronunciation; whereas only a very small variation in ordinary words is possible without destroying their meaning or giving them a different meaning. I hold that it would not be proper to consider the word "cognac" here as if it had something fanciful or arbitrary about it, since from the record it does not appear that such is the case.

The word "cognac" has two syllables and is pronounced "Kō-nyak". It has no arbitrary or fanciful meaning or significance. The word "Calognac" has three syllables and the American pronunciation would be either "Ca-log'-nak" or "Cal'-og-nak". I think the former pronunciation would be the more natural, following the pronunciation "ca-lor'-ie". The word is somewhat arbitrary and fanciful in spelling and pronunciation, sufficiently so, in my opinion, to give it some degree of trade-mark significance. In these respects it differs from the word "cognac".

Considering the matter in all its aspects I find myself in agreement with the Examiner's opinion that it is not likely the word "Calognac" will be believed by the public and purchasers to be the generic name of cognac brandy and further that the word is not descriptive of cognac and it is not descriptive of domestic brandy, and no confusion or deception of purchasers appears likely to result from the use by applicant of the mark "Calognac" on brandy, domestic or otherwise.

We have no quarrel with the Commissioner's assumed pronunciation of the respective words, although "Calognac" being a coined term any pronunciation of it would be more or less a matter of individual choice, but pronunciation, as we view it, is not an important—certainly not a controlling—factor here. The application for its registration does not divide the term into syllables. The first letter of it, and the last four letters are identical with similar letters of Cognac. If the next two letters (A and L) were eliminated there would remain only the word Cognac. Certainly, the two terms are quite similar in appearance. We are unable to escape the conclusion that appellee, whatever its motive, in trying to establish a trade-mark sought one as nearly like Cognac as it could find or coin, and in adopting "Calognac" it certainly made a close approach.

As has been stated, it appears from the record that so far "Colognac" has been used only on domestically distilled brandies, and the labels showing the manner of its use recite "California Grape Brandy," but, as of course, the notations on the labels other than the mark itself are of no moment in this particular proceeding, and it may be reiterated that, so far as the application is concerned, the term may be applied to any kind of brandy, no matter where or from what produced.

It is our view that the opposition should have been sustained and the registration denied.

The decision of the Commissioner, therefore, is reversed.

Reversed.

OTARD, INC., *v.* ITALIAN SWISS COLONY

Patent Appeal No. 4,838

[4] The only distinction between this case and appeal No. 4,837, supra, is that the term here involved is "Colognac" instead of "Calognac." It will be observed that the former term is even closer than the latter in its resemblance to Cognac. The principle involved is the same, and for the reasons stated in our decision in that case the decision of the Commissioner is reversed.

SCHIEFFELIN & CO., *v.* ITALIAN SWISS COLONY

Patent Appeal No. 4,839

The issues in this case are in all material respects the same as those involved in appeal No. 4,837, supra, and for the reasons there stated the decision of the Commissioner is reversed.

SCHIEFFELIN & CO. *v.* ITALIAN SWISS COLONY

Patent Appeal No. 4,840

The issues in this case being the same as those involved in appeal No. 4,838, supra, the decision must be the same. The decision of the Commissioner is reversed.

CANADA DRY GINGER ALE, INC.,

v.

ITALIAN SWISS COLONY

Patent Appeal No. 4,841

The issues in this case are in all material respects the same as those involved in appeal No. 4,837, supra, and for the reasons there stated the decision of the Commissioner is reversed.

CANADA DRY GINGER ALE, INC.,

v.

ITALIAN SWISS COLONY

Patent Appeal No. 4,842

The issues in this case being the same as those involved in appeal No. 4,838, supra, the decision must be the same. The decision of the Commissioner is reversed.

JULIUS WILE SONS & CO., INC.,

v.

ITALIAN SWISS COLONY

Patent Appeal No. 4,843

The issues in this case are in all material respects the same as those involved in appeal No. 4,837, supra, and for the reasons there stated the decision of the Commissioner is reversed.

JULIUS WILE SONS & CO., INC.,

v.

ITALIAN SWISS COLONY

Patent Appeal No. 4,844

The issues in this case being the same as those involved in appeal No. 4,838, supra, the decision must be the same. The decision of the Commissioner is reversed.

F-C-G IMPORTERS, INC., *v.* ITALIAN SWISS COLONY

Patent Appeal No. 4,845

The issues in this case are in all material respects the same as those involved in appeal No. 4,837, supra, and for the reasons there stated the decision of the Commissioner is reversed.

F-C-G IMPORTERS, INC., *v.* ITALIAN SWISS COLONY

Patent Appeal No. 4,846

The issues in this case being the same as those involved in appeal No. 4,838, supra, the decision must be the same. The decision of the Commissioner is reversed.

PARK & TILFORD IMPORT CORP.

v.

ITALIAN SWISS COLONY

Patent Appeal No. 4,847

The issues in this case are in all material respects the same as those involved in appeal No. 4,837, supra, and for the reasons there stated the decision of the Commissioner is reversed.

PARK & TILFORD IMPORT CORP.
v.
ITALIAN SWISS COLONY
Patent Appeal No. 4,848

The issues in this case being the same as those involved in appeal No. 4,838, supra, the decision must be the same. The decision of the Commissioner is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE MARTIN
No. 4,893. Decided April 4, 1944
[142 F.(2d) 65]

PATENTABILITY—VALVE BODY.

Certain claims to a method of manufacturing a valve body *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Harold W. Mattingly (*Mr. Raymond Jones* of counsel) for Martin.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

Appellant here seeks review and reversal of the decision of the Board of Appeals of the United States Patent Office affirming the Examiner's rejection of two claims, numbered 13 and 14, respectively, embraced in an application relating to method and apparatus for making valve bodies. Both appealed claims are for the method. They read:

13. The method of manufacturing a valve body having a valve chamber bore therein communicating with a fluid port bore which consists in drilling pilot bores in said body at the desired location of said fluid port bore and said valve chamber bore, and inserting in said pilot bores a boring tool having a cutting element thereon and then employing said tool to enlarge inwardly spaced portions of said pilot bores sufficiently to intersect each other.

14. The method of manufacturing a valve body having a valve chamber bore therein communicating with a fluid port bore extended parallel to said valve chamber bore which consists in drilling parallelly disposed pilot bores into said body from one face thereof at the desired location of said valve chamber bore and said fluid port bore, and inserting in said pilot bores a boring tool having a cutting element thereon and employing said tool to laterally enlarge inwardly spaced portions of said pilot bores sufficiently to intersect each other.

One method claim numbered 15 appears to stand allowed, but Nos. 13 and 14 were rejected as lacking invention over the prior art, the references cited being the following patents: Gray et al., 1,858,927, May 17, 1932; Woodcock, 2,182,770, December 5, 1939; Duvall, 752,211, February 16, 1904.

In the brief on behalf of appellant (who submitted the case to us on brief without oral argument) it is stated, in substance, that the alleged invention is directed particularly to a method of manufacturing valve bodies such as are used on aircraft for controlling the raising and lowering of the landing gear, the opening and closing of bomb bay doors and similar mechanical operations, and an advantage over the prior art is alleged to be that by appellant's method an intercommunication between bores in the valve body is obtained which "effects a great saving in size and weight as compared with the prior constructions." This matter is also emphasized in the specification of the application, but it is noted that the appealed claims do not call for any particular valve body for any special purpose. The concluding paragraphs of the specification read:

While I have, in the foregoing, described the method of my invention as practised in the manufacture of a particular type of valve such as that disclosed in my aforementioned copending application, it will be readily apparent to those skilled in the art that the same novel methods and principles may be applied to the manufacture of valve bodies of various types and in fact may be applied to the forming of bores having enlargements and recesses in metal parts of various descriptions.

While I have shown and described the preferred embodiment of my invention, I do not desire to be limited to any of the details of construction shown or described herein, except as defined in the appended claims.

Obviously, the controversy here must be decided upon the basis of the phraseology of the appealed claims which claims constitute the measure of the alleged invention.

Appellant's brief states:

Appellant's invention is simple. He achieves the desired new results by the simple expedient of providing enlargements in both of the two bores which are to be interconnected, the enlargements being of such size and so located as to intersect each other.

It may be said here that the patents to Duvall and Woodcock were cited by the Examiner only to show that "The use of cutting tools with radially extending portions for enlarging a bore are [sic] conventional in the art," and no issue respecting this is presented in appellant's reasons of appeal, nor is either of those patents referred to in appellant's brief.

In his statement following the appeal to the Board the Examiner gave a description of appellant's method and that of Gray et al. which (omitting the numerals and, for clarity, inserting certain words in brackets) we here quote:

The subject matter claimed relates to a method of forming a valve body. The claims set forth the steps of establishing communication between the valve chamber bore * * * and a fluid port bore * * *. In the body * * * two pilot bores * * * are drilled. While three bores are shown, the claims are commensurate in scope with the drilling of only two bores. A cutting tool with an enlarged end is used to enlarge a portion of the [fluid port] bore * * *. A cutting tool is also inserted in the [valve chamber] bore * * * and enlarges same * * *. These enlarged portions * * * intersect each other and thus establish communication between the two ports.

The patent to Gray * * * shows a valve body with two bores * * * drilled therein. The [one] bore * * * is enlarged * * * by machining, to establish communication with the [other] bore * * *. These steps are carried out by drilling and cutting tools * * *.

Respecting the differences and the reasons for his ruling the Examiner said:

The essential distinction over Gray resides in the enlargements of both bores rather than the enlargement of one bore as exemplified by Gray * * *. While this difference in procedure does exist, it is not seen, nor is it stated, how any patentable advantages are effected. The enlargement of one bore as in Gray does establish communication between the bores. This result (the establishment of communication between the bores) is the same as the result achieved by applicant. It was held that a mere variation in structure or procedure that is unproductive of any new results is not a matter of invention.

To enlarge both of Gray's bores in intersecting relation rather than to enlarge one bore, is deemed to be a variation within the scope of mere mechanical skill.

The limitation in claim 14 * * * relative to the drilling of the bores from one face of the body, relates to the desired characteristic of the finished article and appears to add no further patentable novelty to the claim.

It is the opinion of the Examiner that claims 13 and 14 define but a colorable variation over Gray, and that such a variation is not a result of inventive ingenuity.

The Board approved the finding of the Examiner for the reasons expressed by him and added nothing of a descriptive character.

Appellant's brief in addition to emphasizing the matter of size and weight alleges other results such as a substantial increase in strength over the Gray et al. device, and a reduction in resistance to flow of fluid through the valve, and asserts:

The mere fact that claims 13 and 14 define a different method from that which is shown in the Gray patent, taken with the new and advantageous results which are the direct and proximate result of the differences between the claimed method and that shown in Gray should be sufficient to establish the patentability of the appealed claims. It is well established that where a new method or a new combination of mechanical elements operate to produce new and advantageous results which are not produced by the references upon which the claims are rejected, the claims define invention and are patentable.

Conceding that advantageous results are secured by appellant's process such results must involve more than the skill of the art to render the claims patentable.

We concur with the tribunals of the Patent Office in the conclusion that the differences in the operation of appellant's and Gray et al.'s processes fall within the realm of mechanical skill, and that appellant cannot be credited with invention.

The decision of the Board is, therefore, affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BURGESS BATTERY COMPANY
No. 4,872. Decided April 4, 1944
[142 F.(2d) 466]

1. TRADE-MARKS—REGISTRABILITY.

Held that the effect of the court's decision in the case of *In re Burgess Battery Company*, 27 C. C. P. A. 1297, 112 F.(2d) 820, 521 O. G. 270, is that "stripes which are a mere dress of the goods can have no trade-mark significance, because they do not point out the origin of the articles to which the label is affixed" and *Held* that "it follows that a mark which contains as a part thereof a mere dress of the goods cannot be combined with an arbitrary mark in such a way as to give any trade-mark significance to such dress."

2. SAME—SAME.

The mark sought to be registered by appellant, consisting of a shield design surrounded by alternating dark and light stripes of approximately equal width, applied to dry batteries and flash light cases *Held* properly refused registration, since, as used, the stripes form no part of the design, but are merely a background, not restricted in area, upon which the shield appears.

3. SAME—SAME.

"To hold that appellant's mark is registrable without a disclaimer of the stripes would involve holding that the stripes possessed some trade-mark significance contrary to our holding in the case of *In re Burgess Battery Company*, supra."

4. SAME—SAME.

"Nothing herein should be understood as holding that stripes or other markings may not have trade-mark significance as a part of a design, but in such case the stripes or other markings must not be merely a part of the dress of the goods."

APPEAL from the Patent Office. Affirmed.

Messrs. Tesch and Darbo (*Mr. Clarence M. Fisher* of counsel) for Burgess Battery Company.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This in an appeal from a decision of the Commissioner of Patents affirming a decision of the Examiner of Trade-Marks denying appellant's application for the registration of an alleged trade-mark under the Trade-Mark Act of February 20, 1905.

The mark sought to be registered consists of a shield design surrounded by alternating dark and light stripes of approximately equal width applied to dry batteries and flash light cases.

Five specimens of the mark as actually used upon appellant's goods were attached to the application.

The Examiner of Trade-Marks rejected the application upon the ground that the striped feature of the mark is merely the dress of the goods and furnishes only a background for the mark and is in no other way a part of a design. He suggested that such portion of the mark be deleted or disclaimed, but this suggestion was declined by appellant. In rejecting the application the Examiner relied upon our decision in the case of *In re Burgess Battery Company*, 27 C. C. P. A. (Patents) 1297, 112 F.(2d) 820, 521 O. G. 270, wherein we affirmed a rejection by the Patent Office tribunals of appellant's application for the registration of the stripes alone, without the shield, as a trade-mark.

The Commissioner in affirming the rejection of the instant application by the Examiner of Trade-Marks stated:

In the case of *In re Burgess Battery Company*, 27 C. C. P. A. 1297, 112 Fed.(2d) 820, the present applicant was seeking registration, for the same goods, of this same mark without the shield design. In that case, as stated in the brief:

"The Examiner of Trade-Marks, the Commissioner of Patents, and the Court of Customs and Patent Appeals, in turn, all held that the stripes were not registrable."

No question has been raised by the Examiner but that the shield design of the mark here in question is a valid trade-mark. In fact, I have been informed off the record that it has been separately registered. But it was the Examiner's opinion, in which I am constrained to concur, that the association of this feature with the alternating stripes does not result in a registrable combination, unless the stripes be disclaimed.

I am inclined to agree with applicant "that a proper interpretation of the decision of the Court of Customs and Patent Appeals in the Burgess Battery Company case places the stripes design, per se, held to be a common ornamentation device, in the same category as mere color so far as the matter of trade-mark registration is concerned." That being true, it seems clear to me that the addition of an arbitrary design for which the stripes serve merely as a background would be unlikely to alter the court's conclusion. No one would seriously argue, for example, that to place a white star on the side of a red bucket would impart trade-mark significance to the red color.

[1][2][3][4] It appears that the labels filed with the application in the above cited case were substantially the same as the labels filed with the application in the instant case. In appellant's brief upon appeal to the Commissioner, which brief appears in the record, our decision in the case of *In re Burgess Battery Company*, supra, was discussed and it was there stated that

"The label specimens submitted with the application in the decided case were the same as those forming a part of the instant application."

In our decision in the cited case we said:

We think it is apparent from the record that appellant's alleged trade-mark is a mere "dress" which gives a distinctive external appearance to appellant's goods; that it is such distinctive appearance which is recognized by

"some" of the purchasing public as indicating appellant's goods; and that appellant's design is merely a colored label or dress of black and white alternating stripes, the office of which (design) is not to point out distinctly the origin or ownership of the articles to which the label is affixed. See *Fleischmann v. Starkey*, 25 Fed. 127, and cases hereinbefore cited. We are of opinion, therefore, as were the tribunals of the Patent Office that appellant's striped design is not registerable under the Trade-Mark Act of February 20, 1905.

The effect of our decision in said case is that stripes which are a mere dress of the goods can have no trade-mark significance, because they do not point out the origin of the articles to which the label is affixed.

It follows that a mark which contains as a part thereof a mere dress of the goods cannot be combined with an arbitrary mark in such a way as to give any trade-mark significance to such dress.

The difficulty with appellant's position is that, as used, the stripes form no part of the design, but are merely a background, not restricted in area, upon which the shield appears.

To hold that appellant's mark is registrable without a disclaimer of the stripes would involve holding that the stripes possessed some trade-mark significance contrary to our holding in the case of *In re Burgess Battery Company*, supra. As we adhere to our holding in said case, it follows that the decision appealed from should be affirmed.

Nothing herein should be understood as holding that stripes or other markings may not have trade-mark significance as a part of a design, but in such case the stripes or other markings must not be merely a part of the dress of the goods.

To illustrate, an arbitrary mark may have a distinctive background differing from the dress of the goods in which case the background might have some trade-mark significance, but if the background be the same as the dress of the goods it could have no such significance.

For the reasons stated, the decision appealed from is affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

U. S. Court of Customs and Patent Appeals

IN RE SCHENK

No. 4,855. Decided March 6, 1944

[141 F.(2d) 527]

PATENTABILITY—FORM TIE.

A claim to a form tie for concrete construction *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Theodore K. Bryant (*Mr. Harry Radzinsky* of counsel) for Schenk.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting claim 12, the only claim of an application for a patent for "Form Ties and the Method of Welding the Same."

The application relates to form ties intended particularly for use in concrete structures; for example, the ties used to hold form boards in position to receive poured concrete. The tie construction consists of two or more metal rods between the end portions of which are welded internally-threaded nuts for the reception of bolts. The flat sides of the nuts are serrated in order to provide for what is said to be an extremely strong fused joint when welded to the rod ends.

The involved claim reads as follows:

12. A form tie for concrete construction comprising, spaced rods, a flat-sided internally threaded nut welded between the rods, said nut having diametrically opposite flat side faces grooved in the areas over which the rods extend, said areas extending over a portion only of each flat side of the nut, the faces of the rods being disposed in contact with and welded to the grooved portions of the nut only, the grooves in each face of the nut being spaced apart to form a plurality of rib-like elements extending over a portion only of the surface in which they are formed.

The Examiner rejected the claim as unpatentable over the cited references, which are: Lachman et al., 974,891, November 8, 1910; Mumford, 1,238,696, August 28, 1917; Smith et al., 1,319,185, October 21, 1919; Schenk, 1,970,946, August 21, 1934; Demboski et al., 2,105,139, January 11, 1938.

The Mumford patent relates to ties for moulding apparatus and is particularly adapted for use in forms for erecting concrete buildings and the like. The device of the patent is very much like the one shown in the present application, except that the rods instead of being welded to the serrated sides of a nut are welded to a helix formed of a piece of steel wire. The helix forms in effect the nut into which the bolt members are screwed.

The Schenk patent relates to form ties for use in concrete work and discloses a device having several spaced parallel rods between which are located helixes to receive lag screws which pass through the wooden forms. The helixes are welded to the rods near the ends thereof. The inventor there is the appellant here.

It is not necessary to describe the other cited references except to state that they disclose devices having grooves and rib-like elements to facilitate electrical resistance welding.

The Examiner rejected the claim as unpatentable over either the Mumford or Schenk patents, the Lachman et al., Smith et al., and Demboski et al. references being referred to only as disclosing serrated surfaces in connection with welding.

Clearly the present claim is unpatentable over either the Mumford or Schenk patents for the reason that patentability cannot be predicated upon the substitution of a nut for the helixes of the patents. Furthermore, the serrated surfaces of the nuts cannot be considered as patentable for the reason that, as was properly held below, such serration of surfaces to make a better electrical resistance welding is old as shown by the other references.

For the reasons herein stated the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE NEUKIRCH

No. 4,861. Decided March 6, 1944

[141 F.(2d) 503]

PATENTABILITY—METHOD OF MAKING A COUPLING JOINT.

A claim to a method of making a sealed flared coupling joint *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Vernon D. Beehler for Neukirch.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner finally rejecting claim 4 of appellant's application for a patent on a "Method for Making a Flared Fitting." The claim was rejected on the ground of unpatentability over the prior art.

The claim reads as follows:

4. The method of making a multiple seal flared coupling joint for tubing adapted to be repeatedly uncoupled and remade by use of a pair of coacting threaded fitting members, one of which remains relatively stationary while the other is rotated about it, comprising forming a concave frusto-conical wall in one fitting member, forming a convex frusto-conical wall on the other member having substantially the same side angle as the concave wall, forming an annular recess in the frusto-conical wall of the relatively stationary member intermediate the edges thereof so that a flat portion of the wall adjoins the recess on both sides, said recess being concentric with and surrounding the tubing to be coupled, then forming a flare on the tubing substantially uniform in thickness having the opposite sides thereof parallel and having substantially the same side angle as said frusto-conical walls, clamping said flare between said walls by application of pressure to the walls while maintaining the initial frusto-conical shape thereof and forcing material from the mid-portion of the flare into the annular recess until an annular seal is formed at the edges of said recess in addition to the seal on the parallel faces of the frusto-conical wall on both sides of said recess.

The cited references are: Dossert, 772,136, October 11, 1904; Brown, 1,058,542, April 8, 1913; Briggs (British), 207,865, December 5, 1923; Koelsch (German), 522,833, November 15, 1928; Sander, 2,032,720, March 3, 1936.

The application relates to a method for making a sealed flared coupling joint or fitting, and discloses a coupling comprising male and female threaded members having correspondingly shaped frusto-conical surfaces adapted to receive between them the flared end of a ductile metal tube. The male member is provided with an annular groove into which, when the coupling members are screwed together, a portion of the metal of the pipe is forced, thus forming a seal. The application states that the method for making the device provides for a double sealed surface formed at the flare so that if one of the sealed surfaces should be defective in preventing leakage the other will hold the joint tight. One of the objects of the alleged invention is said to be the production of a tight seal in which refacing of the male fitting, which might be necessary by reason of dents or abrasions, is minimized, thus providing a stronger and less readily broken joint.

The Dossert patent relates to detachable pipe couplings connecting pipes at least one of which is made of compressible material such as lead, rubber or the like. It discloses male and female threaded coupling means detachably united, and is said to obviate all tendencies to leakage. The patent discloses two annular grooves on a conical member inside the coupling projecting into the flared end of the pipe to be connected, and when the threaded members are screwed toegther a portion of the metals in the flared end of the pipe is forced into the grooves.

The Brown patent relates to detachable couplers, for pipe formed of lead or other relatively plastic material, adapted to flare or expand the adjacent portion of the pipe to produce a substantially air-tight closure. The coupling comprises male and female threaded members forming a concave frusto-conical wall in one member and a convex frusto-conical wall on the other. The flared pipe fits into the space between said members, the male member of which may be provided with an interior annular groove into which is forced some of the pipe material when the threaded members are screwed together. The female threaded member is provided with a helical groove extending completely around it where its surface meets the flare of the pipe.

The Briggs patent relates to tight fluid pipe joints which may be used in connecting a flared lead pipe to an iron or other metal pipe. It discloses male and female threaded members, the male member of which has a conical end which projects into the flared ends of the pipe and has annular grooves thereon. When the threaded members are screwed together a portion of the flared ends of the pipe is forced into the grooves.

The Koelsch patent relates to pipe connections by means of flanges tightened by a cap nut. It discloses a conical-shaped flange provided with one or more annular shoulders so that when the connection is made the softer material of the pipe is forced into the depression of the shoulder or shoulders.

The Sander patent relates to pipe connections comprising male and female threaded members, and discloses a sharp edge on the male member which penetrates slightly into the flared tube to be coupled when the threaded members are screwed together.

The Primary Examiner held the claim unpatentable over the Dossert, Koelsch and Briggs references in view of the patents to either Brown or Sander.

The Board of Appeals affirmed the decision of the Examiner for the reasons given by him.

Clearly, each of the references discloses a sealed flared coupling joint. The Brown patent discloses a method for making a multiple seal flared coupling joint comprising a concave and a convex frusto-conical wall on each of the fitting members respectively. The patent discloses an annular recess in the male threaded member which is relatively stationary intermediate the edges of the wall with a flat surface on each side of the recess. In the male member is an annular recess which surrounds

the tube to be coupled, and when the threaded members are screwed together the material in the flared end of the pipe is forced into the said recess to produce a tight joint.

While the involved claim states that the frusto-conical surfaces have substantially the same angle and that the flared portion of the tube is of substantially uniform thickness the patent shows those surfaces to be at a slight angle and the flared portion of the tube tapers in thickness. However, appellant does not contend that the said surfaces should have the same angle for the reason that he states in his brief that the word "substantially" as applied to the flare and the parallel relationship of the adjacent surfaces is intended to cover a variation from the surfaces having the same angle. The patent clearly discloses multiple sealing by reason of the annular groove and the helix, together with the pressing of the female member against the end of the flared pipe.

While appellant contends that in his method his device may be repeatedly uncoupled and remade this is likewise true of the device in the Brown patent. The female threaded member certainly can be unscrewed to uncouple the joint, and that member with the male member can be again screwed together to remake the joint.

It is contended by appellant that the annular groove of Brown could not be pulled away from the flare, and that this would prevent the uncoupling and remaking of the joint. The claim, however, is not limited to a structure wherein the coupling members may be completely detached from the tubing. The exact shape of the groove is entirely a matter of choice and if it were desired by the patentee of the Brown reference to remove both threaded members freely from the flared pipe it would be obvious to reshape the groove in the device of the patent so that it would be, for instance, at a right angle to the flared pipe. Furthermore, appellant in his specification states that the groove may be of any desired shape

"so long as it has sufficient depth and provides an edge which can plow into the metal forming the flare on the tubing."

Appellant in his brief argues that the recess in the Brown patent being opposite the outside of the tubing rather than inside as shown in the application renders the joint of the patent device less tight. However, there is nothing in the claim which would make such a distinction upon which this argument is based. Furthermore, the device in the Brown patent shows it has a helical sealing means on the inside of the pipe, and it would, in our opinion, require no invention to replace that means by an annular groove such as is shown in the device of appellant.

We do not deem it necessary to discuss the other references for the reason that they all contain the grooved means and the claim cannot, as was held by the tribunals below, be held to be patentable over those references in view of the patent to Brown or of the patent to Sander.

For the reasons stated the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CORBETT

No. 4,889. Decided April 4, 1944

[142 F.(2d) 78]

PATENTABILITY—GOLF BAG.

Claims to a golf bag *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Frank M. Slough (*Miss J. H. Slough* and *Mr. Donald A. Gardiner* of counsel) for Corbett.

Mr. W. W. Cochran for the Commissioner of Patents.

JACKSON, *J.*:

Appellant filed his application, Serial No. 308,222, in the Patent Office for a patent for certain new and useful improvements in "Golf Bags." The application relates particularly to means incorporated in golf bags to support the clubs in such fashion that they will not be damaged while being carried in the bag or transported or stored. Said means comprises a member at the top of the bag stated in the specification to be made of molded rubber, although other suitable material such as wood and Bakelite may be used. The member has recesses for holding the heads of the golf clubs so that the shafts are freely suspended within the bag. The holding means is provided with a series of so-called fingers between recesses, of a shape to engage the clubheads, particularly the heads of the irons. The recesses are of such a form that, it is said, they will "wedgingly" engage the clubheads and are in varying degrees of inclination to accommodate the iron clubheads of different degrees of loft.

The Primary Examiner finally rejected all of the claims, 18 to 20 inclusive, as being unpatentable over the prior art.

The references relied upon are: Blitch, 1,840,183, January 5, 1932; and Boyce, 1,849,610, March 15, 1932.

Claim 18 is illustrative of the subject matter and reads as follows:

18. In combination, a golf bag, club head supporting means securely affixed to the mouth of said bag and upwardly extending therefrom, said club head supporting means being formed of resilient material and provided with a plurality of upwardly protruding fingers, each adjacent pair of fingers being tapered to provide a tapered slot therebetween, each said tapered slot adapted to accommodate a substantial portion of a club head to be associated therewith and suspended therefrom and to wedgingly engage the same to hold said head against rotation and in predetermined position.

The Board of Appeals affirmed the decision of the Examiner and appeal was taken here.

The Blitch patent relates to improvements in golf bag construction and its particular object is to produce a bag wherein the clubs may be individually positioned in the bag and suspended from the heads of the clubs. It discloses a golf bag with an annular member at the top thereof wherein there are a series of wedge-shaped notches designed to receive and hold the heads of iron clubs so that the handles are freely suspended within the bag. The notches have varying degrees of inclination for the purpose of holding iron clubheads having different degrees of loft.

The Boyce patent relates to golf bags, particularly to means incorporated therein for supporting the clubs in a manner which keeps them in predetermined order and is said to avoid likelihood of damage to the clubs when they are being carried around the golf course, transported or stored. The patent discloses a golf bag with a member at the top thereof consisting of an outer and an inner annular member. The upper circumferences of those members are in the form of ascending spirals and are made of leather. The upper edges of the members contain notches to receive and hold the heads of the clubs whereby the shafts are freely suspended within the bag. It is stated in the patent that the heights of the notches are arranged in relation to the lengths of the shafts so that each club must be put into a definite notch. The arrangement in predetermined order, it is said, may thus be made compulsory and the notches may be varied in inclination to compel this result.

The Examiner held that the rejected claims presented nothing patentable over either of the references, pointing out that the Boyce patent discloses inclined clubhead-receiving racks having inclined slots therein and the patent to Blitch discloses a flat rack having a plurality of V-shaped notches of progressively varying depth and loft. The Examiner could see no invention in modifying either one of the references to meet the limitations of the involved claims.

The Board of Appeals set out appellant's contentions as follows: that the Examiner had overlooked appellant's inventive concept and failed to note the distinction between the prior art and appellant's structure in which the clubheads are held in a tapering slot between adjacent pairs of fingers in a wedging engagement, a substantial portion of the clubhead being wedgingly engaged within the slot, the fingers being so shaped and of a material such as would make wedging engagement, and of a size accommodating a substantial portion of the clubhead, and that structures disclosed by the Boyce and Blitch patents would require complete remodeling after knowledge of appellant's claimed invention. The Board then held that the disclosures of the references provide for notches adapted to grip and hold the clubheads in a wedging engagement. The Board also held that the notches in the Blitch patent particularly are of tapered construction for the same purpose as those of appellant, and for those reasons affirmed the decision of the Examiner.

Clearly the structure defined in the involved claims is very similar to that of the Boyce patent. The clubhead supporting means attached to the mouth of the bag in the patent extends upwardly therefrom and is formed in part of resilient material and contains between the notches a protruding space which might well be termed fingers in a patent sense, and the notches differ in inclination so as to fit clubheads with differing degrees of loft. It seems to us that the specification of the Boyce patent clearly discloses that the clubheads fit into the notches so closely as to preclude the placing in a notch of a clubhead with a different loft than that which the angle of the notch is designed to hold. While it cannot be said that the Blitch patent discloses an engagement of the clubhead "wedgingly," the drawings are wedge-shaped and disposed at different degrees of inclination obviously for the reception of clubheads having different degrees of loft.

We do not think that the question of closeness of fit of the clubheads in the notches would amount to invention over the prior art.

Appellant contends that the courts have steadily held that reference patents could not be modified. If such were the law only novelty and utility would be requisite for patentability. We cannot agree with such contention. *Patent Clothing Company, Limited*, v. *Glover*, 141 U. S. 560, 57 O. G. 1287; *Howe Machine Company* v. *National Needle Company*, 134 U. S. 388, 134 O. G. 388.

It is not necessary to reconstruct the reference patents here, but only to slightly alter their proportions to provide a closer fit for the clubheads. This would not constitute invention.

The decision of the Board of Appeals is affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,652,703, A. S. Cushman, Corrugated metal culvert; 1,735,732, same, Process of protecting metal culverts, D. C., N. D. Ill., E. Div., Doc. 1889, *The American Rolling Mill Co.* v. *Young & Greenewalt*. Dismissed with prejudice on plaintiff's motion June 10, 1944.

1,735,732. (See 1,652,703.)

1,777,799, A. L. Just, Windshield cleaner motor; 1,778,256, H. Hueber, Windshield cleaner; 1,946,073, E. C. Horton, Wiper blade and mounting; 1,964,400, Horton & Dykstra, Motor vehicle; 2,045,861, D. Kuskin, Windshield wiper and motor therefor; 2,146,396, E. C. Horton, Windshield cleaner; 2,193,724, same, Windshield cleaner structure; 2,252,350, W. Paulus, Windshield cleaner construction; 2,252,351, same, Method of producing power transmitting units; 2,257,346, same, Power transmitting unit; Re. 18,594, J. R. Oishei, Motor vehicle; Re. 19,113, same, Windshield cleaner, filed June 20, 1944, D. C., E. D. Mich., S. Div., Doc. 4246, *Trico Products Corp.* v. *King-Seeley Corp.*

1,778,256. (See 1,777,799.)

1,795,449, E. P. Seghers, Top for percolators, D. C., N. D. Ohio, E. Div., Doc. 20240, *E. P. Seghers* v. *Gardella Mfg. Co., Inc.* Patent held not infringed, bill dismissed June 19, 1944.

1,797,476, McCain & McCain, Agricultural machine, D. C., N. D. Tex. (Lubbock), Doc. 267, *W. D. Wilkins et al.* v. *E. Grier et al.* Judgment for defendant June 14, 1944.

1,919,500, T. E. Carpenter, Apparatus for controlling the flow of refrigerant in refrigerating apparatus, D. C., E. D. Mich., S. Div., Doc. 3012, *B. W. Rice et al.* v. *Nash-Kelvinator Corp.* Judgment dismissing complaint June 19, 1944.

1,946,073. (See 1,777,799.)

1,959,264, J. Dugan, Radio direction and position indicating system, D. C., S. D. N. Y., Doc. 17/280, *J. Dugan* v. *Lear Avia, Inc.* Judgment dismissing action on merits (notice June 21, 1944).

1,964,400. (See 1,777,799.)

2,020,333. (See Re. 20,018.)

2,045,861. (See 1,777,799.)

2,052,671, Schultz & Steinmayer, Repeating fuse construction; Re. 22,412, same, Combined switch and fuse, filed June 20, 1944, D. C., N. D. Ill., E. Div., Doc. 44c719, *Line Material Co.* v. *Schweitzer & Conrad, Inc.*

2,094,963. (See Re. 20,018.)

2,107,347, Sloane & Sloane, Reversible handbag cover, filed June 27, 1944, D. C., S. D. N. Y., Doc. 26/264. *Sloane Bros.* v. *Floret Purses.*

2,146,396. (See 1,777,799.)

2,163,660, W. M. Brooks, Bag seal, D. C. Minn. (Minneapolis), Doc. 829, *E. J. Brooks Co.* v. *National Safety Seal Co.* Stipulation and decree for plaintiff June 21, 1944.

2,165,964, Earle & Steinmayer, Lightning arrester, D. C., N. D. Ill., E. Div., Doc. 43c996, *Line Material Co.* v. *Electric Service Supplies Co.* Dismissed without prejudice by stipulation June 22, 1944.

2,184,883, Muskat & Chenicek, Composition of matter and method of making same; 2,184,886, same, Organic composition of high chlorine content; 2,184,888, same, Halogenated material and method of producing same, filed June 21, 1944, D. C., W. D. Pa., Doc. 3063, *Wallace & Tiernan Products, Inc.*, v. *Pittsburgh Plate Glass Co.*

2,184,886. (See 2,184,883.) 2,184,888. (See 2,184,883.)

2,193,724. (See 1,777,799.) 2,252,350. (See 1,777,799.)

2,252,351. (See 1,777,799.) 2,257,346. (See 1,777,799.)

2,298,543, K. Schmidt, Combination purse and billfold, filed June 20, 1944, D. C., S. D. N. Y., Doc. 26/206, *Marioness & Co., Inc.*, v. *Hardy Luggage, Inc.*

2,351,492, E. Cowles, Method and apparatus for treating paper stock, filed June 28, 1944, D. C., S. D. N. Y., Doc. 26/284, *The Cowles Co. et al.* v. *San-Nap-Pak Mfg. Co., Inc.*

Re. 17,278, Re. 17,279, L. G. Copeman, Sharp freezing container for mechanical refrigerators, filed June 28, 1944, D. C., E. D. Mich., S. Div., Doc. 4256, *Copeman Laboratories Co.* v. *Swift Mfg. Co.*

Re. 17,279. (See Re. 17,278.)

Re. 18,594. (See 1,777,799.)

Re. 18,856, W. Weiss, Rotary intaglio printing machine, filed May 26, 1944, D. C., S. D. N. Y., Doc. E 81/394, *Speedy Gravure Corp.* v. *R. Hoe & Co., Inc., et al.*

Re. 19,113. (See 1,777,799.)

Re. 20,018, 2,020,333, 2,094,963, J. Sachs, Automatic circuit breaker, appeal filed June 29, 1944, C. C. A., 8th Cir., Doc. 12906, *Frank Adam Electric Co.* v. *Colt's Patent Fire Arms Mfg. Co.* Doc. 12907, *Colt's Patent Fire Arms Mfg. Co.* v. *Frank Adam Electric Co.*

T. M. 344,122, The Barbasol Co., Paste-like preparation for shaving, filed May 8, 1944, D. C., N. D. Ill., E. Div., Doc. 44c537, *The Barbasol Co.* v. *Eaton Laboratories.*

Disclaimers

1,955,569.—*Henry I. Warden*, St. Joseph, Mich. LICENSING OF MOTOR VEHICLES. Patent dated April 17, 1934. Disclaimer filed June 26, 1944, by the inventor.

Hereby enters this disclaimer to claim 3 of said patent.

2,252,106.—*Harry F. Waters*, New York, N. Y. PACKAGING METHOD. Patent dated August 12, 1941. Disclaimer filed June 22, 1944, by the inventor.

Hereby enters this disclaimer to claims 1, 13, and 14 of said patent.

2,261,800.—*Robert L. Freeman*, Flushing, N. Y. AUTOMATIC CONTROL SYSTEM FOR CARRIER-WAVE SIGNAL RECEIVERS. Patent dated November 4, 1941. Disclaimer filed June 22, 1944, by the inventor; the assignee, *Hazeltine Corporation*, assenting.

Hereby enters this disclaimer to claims 1, 2, and 3 of said patent.

2,305,436.—*William A. McMorris*, Fort Sill, Okla. FUSE DEVICE. Patent dated December 15, 1942. Disclaimer filed June 23, 1944, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to claims 1, 2, and 3 in said specification.

Transfer of Classes

ORDER No. 3840

U. S. PATENT OFFICE, *Richmond, Va., July 19, 1944.*

The following transfers to take effect Monday, July 24, 1944, are hereby ordered:

Class 171, Electricity, Generation, subclasses 34, 95, 264–268, 270–273, 308, 309, from Division 34 to Division 42.

Class 172, Electricity, Motive Power, subclass 245, from Division 34 to Division 42.

CONWAY P. COE,
Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 1, 1944

[VOL. 565. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 460,532. THE PERMANENTE METALS CORPORATION, Oakland, Calif. Filed May 10, 1943.

PERMANENTE

FOR MAGNESIA-CONTAINING PRODUCTS—NAMELY, CALCINED DOLOMITE, SEAWATER MAGNESIA AND CALCINED MAGNESITE (SYNTHETIC) FOR USE IN THE INDUSTRIAL ARTS.
Claims use since Apr. 12, 1943.

Ser. No. 460,533. THE PERMANENTE METALS CORPORATION, Oakland, Calif. Filed May 10, 1943.

PERMANENTE

FOR FERROSILICON.
Claims use since Mar. 29, 1943.

Ser. No. 470,613. THE LACKAWANNA LEATHER CO., Hackettstown, N. J. Filed May 25, 1944.

KROBARK

FOR HIDES AND LEATHERS.
Claims use since April 1943.

Ser. No. 470,731. SIDNEY PASSIN, New York, N. Y. Filed May 27, 1944.



FOR FUR SKINS.
Claims use since Jan. 15, 1941.

CLASS 2

RECEPTACLES

Ser. No. 466,824. HENRY E. BRALOFF, doing business as Beacon Container Company, Brooklyn, N. Y. Filed Jan. 24, 1944.

Beacon

FOR FIBREBOARD AND PAPER DRUMS FOR SOLID, POWDERED AND LIQUID MATERIALS PACKAGED IN BULK.
Claims use since Mar. 8, 1942.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 469,376. SAM AXELMAN, doing business as The Travalong Co., Chicago, Ill. Filed Apr. 17, 1944.

TRAVALONG

FOR WARDROBE TRUNKS, SUITCASES, VALISES, HANDBAGS, PORTFOLIOS, WALLETS, POCKETBOOKS AND LEATHER KIT BAGS.
Claims use since Sept. 1, 1943.

Ser. No. 469,413. JEAN POIVREL, New York, N. Y. Filed Apr. 17, 1944.

COTILLION

FOR HANDBAGS, WALLETS, BILLFOLDS, AND CARRYALLS.
Claims use since Sept. 1, 1941.

Ser. No. 470,841. DAVID STAIR, INC., New York, N. Y. Filed June 1, 1944.

Jacqueline mode BAG

The words "Mode Bag" are disclaimed apart from the mark.
FOR LADIES' AND MISSES' HANDBAGS MADE OF LEATHER, FABRICS, PLASTICS, AND COMBINATIONS THEREOF.
Claims use since Jan. 5, 1932.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 468,955. DEK PRODUCTS, INC., Baltimore, Md. Filed Apr. 3, 1944.

DEK

FOR CLEANING COMPOUND FOR GENERAL HOUSEHOLD USE HAVING INCIDENTAL WATER-SOFTENING PROPERTIES, FOR REMOVING GREASE SPOTS AND STAINS FROM FABRICS, FOR CLEANING WHITE ENAMEL AND ALL PAINTED AND VARNISHED SURFACES, FLOORS, CHINA, GLASSWARE, METALS, AND FOR WASHING CLOTHES.
Claims use since 1928.

Ser. No. 470,385. PINAUD INCORPORATED, New York, N. Y. Filed May 18, 1944.

FLIRTATION

FOR SOAP.
Claims use since May 11, 1944.

Ser. No. 470,387. PINAUD INCORPORATED, New York, N. Y. Filed May 18, 1944.

LILIANELLE

FOR SOAP.
Claims use since May 11, 1944.

CLASS 5

ADHESIVES

Ser. No. 451,433. AMERICAN PHENOLIC CORPORATION, Chicago, Ill. Filed Mar. 6, 1942.

AMPHENOL

FOR ADHESIVE LIQUID CEMENTS.
Claims use since June 1, 1938.

Ser. No. 464,693. EIDELMAN BROS., Detroit, Mich. Filed Nov. 4, 1943.



The representation of the seal is lined for green which color is claimed as an essential feature of the mark.
FOR ADHESIVE CEMENTS, PASTES, AND GLUES, FOR THE PURPOSE OF CAUSING LINOLEUM, FELT AND OTHER ARTICLES TO ADHERE TO FLOORS, MOLDINGS, TILE, AND WALLS.
Claims use since Mar. 1, 1943.

Ser. No. 470,084. NATIONAL STARCH PRODUCTS INC., New York, N. Y. Filed May 9, 1944.

FLEX-BACK

FOR SYNTHETIC RESIN ADHESIVES.
Claims use since Apr. 4, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 460,853. TABLEROCK LABORATORIES, INC., Greenville, S. C. Filed May 22, 1943.

TABEROC

FOR PREPARATION FOR THE TREATMENT OF NEURITIS AND CHILOSCHISIS; VITAMIN B COMPLEX DEFICIENCIES.
Claims use since January 1939.

Ser. No. 461,778. THE SHORES COMPANY, INCORPORATED, Cedar Rapids, Iowa. Filed June 30, 1943.

ENTERIKS

FOR ENTERIC COATING FOR INDIVIDUAL DOSES OF MEDICATION.
Claims use since October 1941.

Ser. No. 461,844. CHARLES A. EMERSON, doing business as Emerson Laboratories, Dallas, Tex. Filed July 3, 1943.

SYRPALTA

FOR PREPARATION TO BE USED AS A VEHICLE FOR COUGH SYRUP, TONICS, SEDATIVES, ETC.
Claims use since Mar. 1, 1938.

Ser. No. 465,465. PARFUMS BLANCHARD, New York, N. Y. Filed Dec. 2, 1943.

INTREPID

FOR TOILET WATERS.
Claims use since Nov. 10, 1943.

Ser. No. 467,564. GEORGE E. GLASSBURN, Peru, Ind. Filed Feb. 19, 1944.

Black Diamond



No claim is made to the representation of the hog apart from the mark.
FOR HOG CONDITIONING POWDER FOR INTERNAL USE USED IN THE TREATMENT OF VARIOUS DISEASES IN HOGS—NAMELY, NECCRO, FLU, DYSENTERY AND WORMS.
Claims use since Nov. 25, 1943.

Ser. No. 467,952. THE SMITH-DORSEY COMPANY, Lincoln, Nebr. Filed Mar. 3, 1944.

MONARDEN

FOR FUNGICIDE OINTMENT.
Claims use since Feb. 18, 1944.

Ser. No. 468,362. AMERICAN PETROLEUM PRODUCTS CO., New York, N. Y. Filed Mar. 17, 1944.

MULTIWAX

No claim is made to the syllable "Wax" apart from the mark.
FOR AMORPHOUS, WAXY HYDROCARBON MATERIAL FOR USE IN THE WATER PROOFING OF PAPER AND TEXTILES, AND AS A SUBSTITUTE FOR AMORPHOUS WAX IN COSMETICS AND PHARMACEUTICAL PRODUCTS.
Claims use since Oct. 1, 1943.

Ser. No. 469,057. PURITY DRUG CO., INC., Passaic, N. J. Filed Apr. 5, 1944.

ONAQUETS

FOR MEDICINAL PREPARATIONS CONTAINING VITAMINS INDICATED FOR USE IN THE PREVENTION OR TREATMENT OF VITAMIN DEFICIENCIES.
Claims use since Mar. 27, 1944.

Ser. No. 469,101. THE WELLA CORPORATION, New York, N. Y. Filed Apr. 6, 1944.

WELLOX

FOR PERMANENT WAVE SOLUTION.
Claims use since Feb. 26, 1944.

Ser. No. 469,244. CASTILIAN PRODUCTS CORP., also doing business as Courtley, Ltd., Los Angeles, Calif. Filed Apr. 12, 1944.

GRAND DERBY

FOR PERFUME.
Claims use since Feb. 2, 1944.

Ser. No. 469,639. MCRAE HEALTH PRODUCTS CO., New York, N. Y. Filed Apr. 25, 1944.

KEL-RAY

FOR PREPARATION COMPOSED OF PLANT MINERALS FOR USE AS A DIETARY SUPPLEMENT.
Claims use since Mar. 13, 1944.

Ser. No. 469,677. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed Apr. 26, 1944.

PANTABEEROID

FOR PREPARATION FOR THYROID ADMINISTRATION.
Claims use since Mar. 28, 1944.

Ser. No. 469,716. RUSSELL D. BECKER, doing business as R. D. Becker Company, St. Louis, Mo. Filed Apr. 27, 1944.

DuCHEK

FOR CHEMICAL COMPOSITION FOR CONTROL OF TERMITES.
Claims use since Apr. 17, 1944.

Ser. No. 469,888. BARLOW CHEMICAL ASSOCIATION, Oklahoma City, Okla. Filed May 3, 1944.

Barlow's Tremtone

No claim is made to the word "Barlow's" apart from the mark.
FOR PREPARATION FOR THE TREATMENT OF IRRITATED CONDITION OF THE SKIN AND SCALP.
Claims use since Oct. 15, 1943.

Ser. No. 470,010. MICHAEL TRAPANI, doing business as Pro-Capa Laboratories, Brooklyn, N. Y. Filed May 6, 1944.

PRO-CAPA

FOR PREPARATIONS FOR THE HAIR AND SCALP.
Claims use since 1936.

Ser. No. 470,048. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed May 8, 1944.

10-F

FOR INSECTICIDES AND FUNGICIDES.
Claims use since Oct. 1, 1943.

Ser. No. 470,049. TAILBY-NASON COMPANY, Cambridge, Mass. Filed May 8, 1944.

POTENSORS

FOR MEDICINAL TABLETS FOR THE RELIEF OF HIGH BLOOD PRESSURE.
Claims use since Oct. 23, 1937.

Ser. No. 470,123. SPECIFIC PHARMACEUTICALS, INC., New York, N. Y. Filed May 10, 1944.

GASTRIDINE

FOR HISTIDINE ASCORBIC ACID AMPULE INJECTION FOR USE IN THE TREATMENT OF GASTRIC ULCERS.
Claims use since Dec. 10, 1943.

Ser. No. 470,155. E. R. SQUIBB & SONS, New York, N. Y. Filed May 11, 1944.

CHEMICILLIN

FOR ANTIBACTERIAL PREPARATIONS.
Claims use since Apr. 28, 1944.

Ser. No. 470,297. JAMES RUBERT CLARK, doing business as The C. M. Company, Durham, N. C. Filed May 16, 1944.

CM

FOR PREPARATION FOR THE RELIEF OF DISCOMFORT OR PAIN DUE TO SIMPLE HEADACHE AND SIMPLE NEURALGIA OF INORGANIC ORIGIN, MUSCULAR ACHES AND PAINS, A SEDATIVE IN SIMPLE NERVOUSNESS, AND AS AN AID IN REDUCING SIMPLE FEVER.
Claims use since Sept. 17, 1919.

CLASS 10

FERTILIZERS

Ser. No. 467,410. STAUFFER CHEMICAL COMPANY, San Francisco Calif. Filed Feb. 14, 1944. Under 10-year proviso.

Stauffer

FOR FERTILIZERS.
Claims use since 1884.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 469,782. QUEST MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 28, 1944.

Conquest Ribbon

The word "Ribbon" is disclaimed apart from the mark.
FOR TYPEWRITER RIBBONS.
Claims use since Apr. 21, 1932.

Ser. No. 469,783. QUEST MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 28, 1944.

Quesco

FOR TYPEWRITER RIBBONS.
Claims use since Aug. 8, 1938.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 460,005. GOODLOE E. MOORE COMPANY, Danville, Ill. Filed Apr. 19, 1943.

GEMCO

FOR INSULATION HANGERS, A MECHANICAL FASTENER TO BE CEMENTITIOUSLY ANCHORED TO CEILINGS AND WALLS OF STEEL, WOOD OR CONCRETE CONSTRUCTION SERVING AS AN ANCHORAGE FOR INSULATION BATTS AND FIBER GLASS; AND MASTIC BONDING AGENTS FOR CEMENTITIOUSLY BONDING SUCH HANGERS TO SUCH CEILINGS AND WALLS.
Claims use since Mar. 19, 1943.

Ser. No. 464,817. HARBOR PLYWOOD CORPORATION, Hoquiam, Wash. Filed Nov. 8, 1943.

Harborite

FOR PLYWOOD.
Claims use since Oct. 16, 1943.

Ser. No. 469,427. V. E. Anderson Manufacturing Co., Owensboro, Ky. Filed Apr. 18, 1944.

VACOL

FOR COMBINATION STORM SASH AND SCREENS.
Claims use since Feb. 8, 1943.

Ser. No. 469,748. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed Apr. 28, 1944.

DAREX

FOR CHEMICAL COMPOUND ESPECIALLY SUITABLE FOR USE AS AN AIR-ENTRAINING AGENT FOR PORTLAND CEMENT CONCRETE.
Claims use since Apr. 5, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 459,324. UNIVERSAL SANITARY MFG. COMPANY, New Castle, Pa. Filed Mar. 24, 1943.

UNIVERSAL HI-FIRED V/C

Applicant disclaims "Hi-Fired" except as shown.
FOR WATER CLOSET TANKS, CLOSET BOWLS, URINALS, LAVATORIES, KITCHEN SINKS AND LAUNDRY TRAYS.
Claims use since Sept. 1, 1942.

Ser. No. 469,149. CHICAGO FORGING & MANUFACTURING CO., Chicago, Ill. Filed Apr. 8, 1944.

Sealastic

FOR METAL TUBE FITTINGS.
Claims use since Feb. 28, 1944.

CLASS 15

OILS AND GREASES

Ser. No. 467,015. THE CANFIELD OIL COMPANY, Cleveland, Ohio. Filed Jan. 31, 1944.

LehPenn REE-JUVE

FOR BLENDED PETROLEUM PRODUCT TO BE USED AS A MOTOR SLUDGE SOLVENT.
Claims use since Dec. 29, 1943.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 466,550. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed Jan. 13, 1944.



FOR LACQUERS AND LACQUER EMULSIONS AND OPACIFYING MATERIALS FOR USE IN VITREOUS ENAMELS.
Claims use since May 15, 1925, with respect to lacquers and lacquer emulsions, and since Jan. 15, 1931, with respect to opacifying materials for use in vitreous enamels.

Ser. No. 468,611. ILLINOIS BRONZE POWDER CO., Chicago, Ill. Filed Mar. 24, 1944.

ILLBRONZE

FOR READY MIXED PAINTS—NAMELY, ALUMINUM PAINT, RUST-PROOF PRIMER, SILVER TINSEL, GOLD PAINT; ALUMINUM PASTE, ALUMINUM BRONZE POWDER, AND BRONZE POWDER.
Claims use since Mar. 1, 1927.

Ser. No. 469,794. W & W AUTO FINISHES, INC., Boston, Mass. Filed Apr. 28, 1944.

RUST-O-NAMEL

The word "Rust" is disclaimed apart from the mark.
FOR READY-MIXED PAINTS, LACQUERS, AND ENAMELS.
Claims use since Apr. 1, 1944.

Ser. No. 469,795. W & W AUTO FINISHES, INC., Boston, Mass. Filed Apr. 28, 1944.

DAMP-O-NAMEL

The word "Damp" is disclaimed apart from the mark.
FOR READY-MIXED PAINTS, LACQUERS, AND PAINT ENAMELS.
Claims use since Apr. 1, 1944.

Ser. No. 469,798. THE WILBUR & WILLIAMS COMPANY, Boston, Mass. Filed Apr. 28, 1944.

TOTRUST

FOR READY-MIXED PAINTS AND PAINT ENAMELS.
Claims use since Nov. 1, 1930.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 460,431. WILLIAM H. PHALEN, doing business as Federal Motor-Craft Products, Fond du Lac, Wis. Filed May 5, 1943.

PINCH-HITTER

FOR AUTOMOTIVE ELECTRICAL REPLACEMENT PARTS—NAMELY, IGNITION SYSTEM PARTS, LIGHTING SYSTEM PARTS, AND STARTER AND GENERATOR SYSTEM PARTS.
Claims use since Apr. 1, 1943.

Ser. No. 465,321. THE MURPHY ELEVATOR CO., Louisville, Ky. Filed Nov. 26, 1943.

ELECTROIL

FOR ELECTRICALLY OPERATED PASSENGER AND FREIGHT ELEVATORS.
Claims use since Sept. 10, 1943.

Ser. No. 468,555. EDGAR M. BUTLER, doing business as Butler Engineering Co., New Orleans, La. Filed Mar. 23, 1944.

ELECTRONOLYTIC

FOR SELF-ENERGIZING AND/OR POWER INDUCED ENERGIZING ELECTROLYTIC WATER CORRECTION DEVICES USED PRIMARILY FOR THE PREVENTION OF RUST AND SCALE.
Claims use since February 1944.

Ser. No. 468,845. THE KRUSE SYSTEM INC., Indianapolis, Ind. Filed Mar. 30, 1944.

AQUATRON

FOR ELECTRIC WATER PURIFIER ADAPTED PRIMARILY FOR PURIFYING DRINKING WATER AND WATER FOR GENERAL DOMESTIC PURPOSES BY ELECTROLYSIS.
Claims use since October 1938.

Ser. No. 469,595. ALLEN J. GARDENHOUR, doing business as Gardenhour Mfg., Waynesboro, Pa. Filed Apr. 24, 1944.

"GARD"

The drawing is lined for red.
FOR ELECTRIC FENCE CONTROLLERS, ELECTRIC FLY AND INSECT KILLERS AND ELECTRIC FIRE DETECTORS.
Claims use since July 1943.

Ser. No. 469,843. C. M. LOVSTED & CO., INC., Seattle, Wash. Filed May 1, 1944.

TOOTS-E

Applicant claims ownership of the mark of registration Ct. #130,799 effected May 4, 1920 (and renewed).
FOR ELECTRIC STEAM ALARM-WHISTLES.
Claims use since September 1916.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 468,306. PALO FROM CALIFORNIA, Los Angeles, Calif. Filed Mar. 14, 1944.

PALO FROM CALIFORNIA

"From California" is disclaimed apart from the mark.
FOR PULL-TOYS—NAMELY, TROJAN COLT, FAWN, LION, LAMB, CHANTICLEER, POODLE, DUCK, RABBIT, SHOO FLIES, TOY ROCKING HORSES, TOY COMPRISING A COMBINED HORSE WITH CART, TOY STICK-HORSES, TOY COMPRISING A SLEDGE-LIKE BOX DESIGNED TO BE PULLED BY THE USER, TOY TABLES, TOY BEDS, AND TOY WOODEN TRAINS.
Claims use since Jan. 15, 1944.

Ser. No. 469,212. NOVEL PRODUCTS, INC., Chicago, Ill. Filed Apr. 10, 1944.

AN-IMATES

FOR ADJUSTABLE TOY ANIMALS.
Claims use since Feb. 1, 1944.

Ser. No. 470,154. EARL W. SMITH, Chicago, Ill. Filed May 11, 1944.

DONNIE WOBBLER

FOR FISH LURES.
Claims use since May 1938.

Ser. No. 470,281. TACON-CUEVA PLAYING CARD CO., New York, N. Y. Filed May 15, 1944.

Gin-Domino

FOR PLAYING CARDS.
Claims use since Mar. 30, 1944.

Ser. No. 470,746. SUNSET LINE & TWINE CO., San Francisco, Calif. Filed May 27, 1944.

OIL-TEX

No claim is made to the word "Oil."
FOR FISHING LINES.
Claims use since June 1935.

Ser. No. 471,289. SUNSET LINE & TWINE CO., San Francisco, Calif. Filed June 15, 1944.

BLACK DUCK

FOR FISHING LINES.
Claims use since September 1938.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 468,446. THE GATES RUBBER COMPANY, Denver, Colo. Filed Mar. 20, 1944.

GATES TEX-HIDE

Applicant disclaims the words "Gates" and "Hide" apart from the mark.
FOR LOOM HARNESS STRAPS, SPINNING APRONS, LUG STRAPS, SPINNING ROLL COVERINGS, LOOP PICKERS, HOLD-UP STRAPS, AND DROP BOX PICKERS.
Claims use since Mar. 14, 1944.

Ser. No. 468,447. THE GATES RUBBER COMPANY, Denver, Colo. Filed Mar. 20, 1944.

GATES VULCO-HIDE

Applicant disclaims the word "Gates" and "Hide" apart from the mark.
FOR LOOM HARNESS STRAPS, SPINNING APRONS, LUG STRAPS, SPINNING ROLL COVERINGS, LOOP PICKERS, HOLD-UP STRAPS, AND DROP BOX PICKERS.
Claims use since Mar. 14, 1944.

Ser. No. 469,487. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Filed Apr. 20, 1944.

BLACK RAVEN

FOR HAND TOOLS—NAMELY, AXES, HAMMERS, HATCHETS, ADZES, BROADAXES, FORKS, HOES, RAKES, BUSH HOOKS, WEEDERS, TROWELS, CULTIVATORS, SIDEWALK SCRAPERS, EYE HOES, SHOVELS, GRASS HOOKS, SCYTHES, CORN HOOKS, MATTOCKS AND SPADES.
Claims use since January 1915.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 468,396. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J. Filed Mar. 17, 1944.

SINGER

Applicant is the owner of trade-mark registration No. 400,959 for the word "Singer."
FOR PRESSING MITTS.
Claims use since Jan. 7, 1943.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 451,309. ALEXANDER KONO, doing business as The Kono Manufacturing Company, Woodside, Long Island, N. Y., assignor to The Kono Manufacturing Company, Woodside, N. Y., a firm. Filed Feb. 28, 1942.

WINGVUE

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR, INCLUDING NOSE PIECES, TEMPLES, AND THE LIKE OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS.
Claims use since Dec. 24, 1941.

Ser. No. 456,005. THE PERKIN-ELMER CORPORATION, Glenbrook, Conn. Filed Oct. 6, 1942.

P E C

FOR OPTICAL ELEMENTS—NAMELY, LENSES, PRISMS, MIRRORS AND FILTERS; SCIENTIFIC AND OPTICAL INSTRUMENTS—NAMELY, TELESCOPES, MICROSCOPES, BINOCULARS, SCHLIEREN APPARATUS, PHOTOMETERS AND COLORIMETERS; MILITARY AND AIRCRAFT INSTRUMENTS—NAMELY, OPTICAL GUN SIGHTS, OPTICAL AND MICROMATIC DRIFT SIGHTS, SEXTANTS, OCTANTS, PERISCOPIC SIGHTS, SPOTTING SCOPES, MAGNIFIERS, PRISMS AND RANGE FINDERS.
Claims use since July 7, 1942.

Ser. No. 468,900. PRECISION CONTACTS, Minneapolis, Minn. Filed Mar. 31, 1944.

PC

FOR CONTACT LENS AND EYEGLASSES.
Claims use since Mar. 1, 1944.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 468,998. BENRUS WATCH COMPANY, New York, N. Y. Filed Apr. 4, 1944.

Precious as Time

No claim is made to the word "Precious" apart from the mark.
FOR WATCHES.
Claims use since Jan. 5, 1944.

Ser. No. 470,620. LONGINES-WITTNAUER WATCH CO. INC., New York, N. Y. Filed May 25, 1944.

"SYMPHONETTE"

FOR WATCHES AND CLOCKS.
Claims use since Jan. 1, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 463,745. EMPIRE TABLE CO., Chicago, Ill. Filed Sept. 29, 1943.

GENUINE EMPIRE QUALITY
Empire Table Co
Chicago, Ill.

The words "Genuine," "Quality," "Table Co.," and "Chicago, Ill.," are disclaimed apart from the mark.
FOR BREAKFAST TABLES HAVING A PORCELAIN TOP AND WOODEN BASE AND LEGS.
Claims use since Sept. 1, 1943.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 460,757. HECOLITE APPLIANCES, Ridgefield, N. J. Filed May 20, 1943.

HECOLITE

FOR INCANDESCENT MANTLES AND HEAT RESISTING LIGHT GLOBES.
Claims use since 1942.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 470,907. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed June 7, 1944.

VOLAFUGE

FOR BRAKE LINING.
Claims use since Apr. 19, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 470,410. J. MEREDITH DANIEL, doing business as Meredith Daniel & Co., Chicago, Ill. Filed May 19, 1944.

"RIGHT on the BEAM"
Ray-on

FOR STENCILS USED ON DUPLICATOR MACHINES.
Claims use since Jan. 1, 1935.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 464,058. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Oct. 11, 1943.

FACTORY

FOR MAGAZINES PUBLISHED PERIODICALLY.
Claims use since Aug. 9, 1907.

Ser. No. 466,111. THE TRAILER COMPANY OF AMERICA, Cincinnati, Ohio. Filed Dec. 27, 1943.

FIFTH WHEEL

FOR MONTHLY PERIODICAL IN THE NATURE OF A HOUSE ORGAN.
Claims use since May 5, 1942.

Ser. No. 468,390. DAVID S. PATTERSON, New Brighton, Pa. Filed Mar. 17, 1944.

The Pine Ridge Editor

The words "Pine Ridge" are disclaimed apart from the mark.
FOR DISPLAY POSTERS.
Claims use since Mar. 14, 1944.

Ser. No. 470,267. HORNSTEIN PHOTO SALES, Chicago, Ill. Filed May 15, 1944.

Rangefinder

FOR MONTHLY MERCHANDISING MEDIUM MAGAZINE.
Claims use since Apr. 15, 1944.

Ser. No. 470,394. SOUTHWEST AIRWAYS, INCORPORATED, Phoenix, Ariz. Filed May 18, 1944.

The THUNDERBIRD

FOR MAGAZINE.
Claims use since March 1941.

CLASS 39

CLOTHING

Ser. No. 459,111. GUITERMAN BROS., INC., St. Paul, Minn. Filed Mar. 15, 1943.

Town & Country

Applicant is the owner of Reg. No. 50,512, registered March 20, 1906, and renewed, and of Reg. No. 177,556, registered December 18, 1923.
FOR CLOTHING FOR MEN, WOMEN, AND CHILDREN FOR SPORT, WORK, AND OTHER WEAR—NAMELY, FOR MEN'S AND BOYS' MACKINAW COATS, ULSTERS, AND PANTS; CLOTH, LEATHER-LINED, CLOTH-LINED, AND LEATHER COATS, PANTS, ULSTERS, BREECHES, VESTS, AND BLOUSES; SHEEP-LINED, BLANKET-LINED, AND MACKINAW-LINED COATS, VESTS, AND ULSTERS; KNICKERBOCKERS; HUNTING COATS, VESTS, JACKETS, PANTS, AND BREECHES, AND GOLFERS' AND TRAP-SHOOTERS' COATS, VESTS, PANTS, AND BREECHES; AND FOR OUTER CLOTHING FOR SPORT AND OTHER WEAR—NAMELY, THE FOLLOWING FOR WOMEN AND GIRLS: MACKINAW COATS AND ULSTERS; CLOTH, LEATHER-LINED, CLOTH-LINED, AND LEATHER COATS, ULSTERS, BREECHES, VESTS, BLOUSES, AND SKIRTS; SHEEP-LINED AND MACKINAW-LINED COATS, VESTS, AND ULSTERS; KNICKERBOCKERS; HUNTING COATS, VESTS, JACKETS, AND BREECHES, AND GOLFERS' AND TRAP-SHOOTERS' COATS, VESTS, AND BREECHES, AND WOMEN'S NEGLIGEE SHIRTS.
Claims use since 1904 on shirts; and since September 1911, on other items.

Ser. No. 466,775. A. S. UNIFORM MANUFACTURING CO., INC., New York, N. Y. Filed Jan. 22, 1944.



The word "Gob's" is disclaimed apart from the mark.
FOR MEN'S SUITS.
Claims use since Oct. 7, 1933.

Ser. No. 469,258. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Apr. 12, 1944.



The picture is fanciful. The drawing is lined for pink and blue.
FOR CHILDREN'S AND INFANTS' DIAPERS, DIAPER BANDS, OUTER SHIRTS, UNDER SHIRTS, SLEEPERS, HOSIERY, GERTRUDES, NIGHT GOWNS, KIMONOS, GOWNS, AND BABY SHOES.
Claims use since Dec. 24, 1938.

Ser. No. 469,335. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Apr. 14, 1944.



Applicant disclaims the word "Beaver" per se. No claim is made to any specific color.
FOR HATS FOR MEN AND WOMEN.
Claims use since Apr. 4, 1944.

Ser. No. 469,754. THE ENRO SHIRT COMPANY, INC., Louisville, Ky. Filed Apr. 28, 1944.

ENdanTRO

FOR MEN'S OUTER SHIRTS, PAJAMAS, AND SPORT SHIRTS.
Claims use since Apr. 7, 1944.

Ser. No. 470,369. THE BARBIZON CORPORATION, New York, N. Y. Filed May 18, 1944.

TINY TRICK

FOR LADIES' WEARING APPAREL—NAMELY, SLIPS, PAJAMAS, LOUNGING ROBES, AND BED JACKETS.
Claims use since May 6, 1944.

Ser. No. 470,645. THE ALLIGATOR COMPANY, St. Louis, Mo. Filed May 26, 1944.

ALCOJAC

FOR MEN'S JACKETS.
Claims use since May 19, 1944.

Ser. No. 470,677. RAND RUBBER COMPANY, Brooklyn, N. Y. Filed May 26, 1944.

Randtex

FOR BABY PANTS.
Claims use since January 1937.

Ser. No. 470,720. PAUL G. GILLIAM, doing business as Country Boy Sales and R. E. Gilliam Sons Co., Hopkinsville, Ky. Filed May 27, 1944.

COUNTRY BOY

FOR RAINCOATS.
Claims use since Nov. 1, 1943.

Ser. No. 470,794. BEN FLIGEL CO., New York, N. Y. Filed May 30, 1944.

WARMFELLER

FOR SPORT JACKETS AND SNOW SUITS.
Claims use since Mar. 15, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 469,894. THE ESMOND MILLS, INC., Village of Esmond, Smithfield, R. I. Filed May 3, 1944.

Bunnydown

FOR TEXTILE FABRICS IN THE PIECE MADE OF COTTON AND RAYON.
Claims use since Apr. 1, 1944.

Ser. No. 470,117. PACIFIC MILLS, Lawrence and Boston, Mass. Filed May 10, 1944.

PACIFIC Silver Cloth

Applicant disclaims the words "Silver Cloth" apart from the mark.
FOR CLOTH FOR WRAPPING SILVER.
Claims use since Apr. 13, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 462,026. PEDA-SPRAY CO., INC., Seattle, Wash. Filed July 12, 1943.



The word "Spray" is disclaimed apart from the mark.
FOR DISPENSER MACHINES USED PRINCIPALLY FOR SPRAYING DISINFECTANT ON FEET.
Claims use since March 1938.

Ser. No. 469,415. RE-ZILLIUM CORP., Brooklyn, N. Y. Filed Apr. 17, 1944.

Re-Zillium

FOR DENTAL ALLOYS AND DENTAL RESTORATIONS.
Claims use since Sept. 15, 1943.

Ser. No. 470,136. BUFFALO DENTAL MANUFACTURING COMPANY, Buffalo, N. Y. Filed May 11, 1944. Under 10-year proviso.

Robinson's

FOR DENTAL BRISTLE DISCS (UNMOUNTED OR MOUNTED ON MANDRELS).
Claims use since 1889.

Ser. No. 470,945. JOHNSON & JOHNSON, New Brunswick, N. J. Filed June 6, 1944.

Atraloc

FOR LIGATURES AND SUTURES AND NEEDLES THEREFOR.
Claims use since Dec. 1, 1943.

Ser. No. 471,108. TECA CORPORATION, New York, N. Y. Filed June 9, 1944.

BI-TRODE

FOR HYDRO-GALVANIC BATH APPARATUS FOR MEDICAL TREATMENT IN ARTERIOSCLEROSIS, CARDIAC NEUROSIS, AND MYOCARDIAC DISEASES, RHEUMATIC AND NERVOUS AILMENTS, AND PARTS OF SUCH ELECTROMEDICAL APPARATUS—NAMELY, ELECTRODES, ELECTRIC CURRENT CONTROL INSTRUMENTS; HAND-OPERATED AND PORTABLE HYDROGALVANIC APPARATUS FOR THE TREATMENT OF EYES, EARS, NOSE, HANDS, AND OTHER MEMBERS OF THE HUMAN BODY.
Claims use since May 31, 1944.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 468,380. THE HANNA BEVERAGE COMPANY, Cleveland, Ohio. Filed Mar. 17, 1944.
The portrait is fanciful.

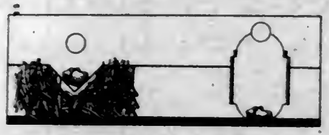


FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Jan. 1, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 458,468. PIK-NIK FOOD PRODUCTS CO., San Jose, Calif. Filed Feb. 10, 1943.



The representation of the goods and of the outline of the label is disclaimed apart from the mark.
FOR SHOESTRING POTATOES.
Claims use since April 1939.

Ser. No. 460,119. MASON, AU & MAGENHEIMER CONF. MFG. CO., Brooklyn, N. Y. Filed Apr. 23, 1943.

MALOBAR

The mark shown in registration No. 157,146 is now owned by the present applicant.
FOR CANDIES.
Claims use since Sept. 18, 1917.

Ser. No. 460,413. JOSEPH ANTOGNOLI & CO., Chicago, Ill. Filed May 5, 1943.

Candy Boat

FOR CANNED APPLE SAUCE, GRAPEFRUIT JUICE FOR FOOD PURPOSES, CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, PEARL BARLEY, SPLIT PEAS, DRIED BEANS, LENTILS, AND RICE.
Claims use since December 1942.

Ser. No. 461,242. THE COLORADO GROWERS CO-OPERATIVE, Palisade, Colo. Filed June 9, 1943. Under the act of Feb. 20, 1905, as amended June 10, 1938.

COLO-MESA

No claim is made to the notation "Colo" apart from the mark.
FOR CANNED FRUITS AND VEGETABLES.
Claims use since May 11, 1943.

Ser. No. 468,301. MISSION DRY CORPORATION, Los Angeles, Calif. Filed Mar. 14, 1944.

MISSION
"EASY-WAY"

Applicant is owner of registration No. 403,406. The expression "Easy-Way" is disclaimed apart from the mark.
FOR SHERBET BASE (A FOOD FLAVOR FOR FOUNTAIN AND RESTAURANT USE).
Claims use since Jan. 28, 1944.

Ser. No. 468,302. MISSION DRY CORPORATION, Los Angeles, Calif. Filed Mar. 14, 1944.

MISSION
"REDIMIX"

"Redimix" is disclaimed apart from the mark.
FOR SHERBET BASE (A FOOD FLAVOR FOR FOUNTAIN AND RESTAURANT USE).
Claims use since June 13, 1938.

Ser. No. 469,406. LOMA LINDA FOOD COMPANY, Arlington, Calif. Filed Apr. 17, 1944.

Soyalinda

FOR FOOD PRODUCTS PREPARED FROM SOY BEANS—NAMELY, SOY SAUCE.
Claims use since Apr. 7, 1944.

Ser. No. 469,419. VICTOR EXPORT & IMPORT CORPORATION, New York, N. Y. Filed Apr. 17, 1944.

SARIDA

FOR CANNED FISH.
Claims use since January 1944.

Ser. No. 469,911. PACIFIC GAMBLE ROBINSON CO., doing business as The Empress Coffee Company, Seattle, Wash. Filed May 3, 1944.



No claim is made to the words "Cinnamon Roast" and "Flavor" apart from the mark.
FOR COFFEE.
Claims use since Mar. 9, 1944.

Ser. No. 469,953. BUNTE BROTHERS, Chicago, Ill. Filed May 5, 1944.

POGEY

FOR CANDY BAR.
Claims use since Apr. 18, 1944.

Ser. No. 470,759. EL CAMINO CITRUS ASSOCIATION OF CLAREMONT, doing business as El Camino Citrus Association, Claremont, Calif. Filed May 29, 1944.

CARRETA

FOR FRESH CITRUS FRUITS.
Claims use since 1914.

Ser. No. 471,031. GOLD MEDAL CANDY CORP., Brooklyn, N. Y. Filed June 8, 1944.

THANKS

FOR CANDY.
Claims use since October 1938.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 465,153. JOHN A. ROMANO, doing business under the name and style of Marino Trading Company, Miami, Fla. Filed Nov. 19, 1943.

RON
NAVIO

Applicant disclaims the word "Ron" apart from the mark.
FOR RUM.
Claims use since Nov. 1, 1943.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 459,639. ISABELLE L. SIDOFF, Los Angeles, Calif. Filed Apr. 5, 1943.

Crying Towel

FOR PARTY FAVOR.
Claims use since Mar. 25, 1943.

Ser. No. 467,430. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Feb. 15, 1944. Under section 5b of the act of 1905 as amended in 1920.

Eastman

FOR THIN TRANSPARENT OR TRANSLUCENT SHEETING OF CELLULOSIC COMPOSITION.
Claims use since Dec. 2, 1930.

Ser. No. 469,823. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Apr. 29, 1944.

PROLITE

FOR HAIR BRUSH AND COMB SETS.
Claims use since Feb. 28, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 1, 1944

408,233. PREPARATION USED AS A GENERAL HOUSEHOLD CLEANSER. CAMEO CORPORATION. Chicago, Ill.
Filed March 14, 1941. Serial No. 441,557. PUBLISHED MAY 12, 1942. Class 4.

408,234. PREPARATION USED AS A GENERAL HOUSEHOLD CLEANSER. CAMEO CORPORATION, Chicago, Ill.
Filed March 14, 1941. Serial No. 441,558. PUBLISHED MAY 12, 1942. Class 4.

408,235. LUBRICATING OILS. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed April 22, 1941. Serial No. 442,823. PUBLISHED MAY 23, 1944. Class 15.

408,236. FRESH CITRUS FRUITS. STRATHMORE CO-OPERATIVE ASSOCIATION, Strathmore, Calif.
Filed May 24, 1941. Serial No. 443,897. PUBLISHED MAY 23, 1944. Class 46.

408,237. DRAFTING MATERIAL AND SUPPLIES FOR THE PRODUCTION OF DRAWINGS—NAMELY, DRAWING AND TRACING PAPER, AND PREPARED FABRIC FOR TRACING AND DRAFTING PURPOSES. EUGENE DIETZGEN CO., Chicago, Ill.
Filed June 30, 1941. Serial No. 444,964. PUBLISHED MAY 23, 1944. Class 37.

408,238. MEDICINAL PREPARATION IN LIQUID FORM FOR REPLACING BODY FLUIDS AND SUPPLYING NECESSARY VITAMINS BY VENOCLYSIS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed March 30, 1942. Serial No. 451,993. PUBLISHED JUNE 2, 1942. Class 6.

408,239. MEDICINAL VITAMIN PREPARATIONS. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa., now by change of name Wyeth Incorporated.
Filed May 12, 1942. Serial No. 452,975. PUBLISHED JULY 14, 1942. Class 6.

408,240. MACHINE TOOLS, TOOL BITS, CUTTING TOOLS—NAMELY, METAL, WOOD, AND PLASTIC CUTTING TOOLS, FORM TOOLS, DRILLS, ETC. TUFF-HARD CORPORATION, Detroit, Mich.
Filed June 3, 1942. Serial No. 453,450. PUBLISHED MAY 16, 1944. Class 23.

408,241. COMBINATION FLOOR BRUSH AND MOP. LOUIS J. KLEIN, New York, N. Y.
Filed October 24, 1942. Serial No. 456,396. PUBLISHED MAY 23, 1944. Class 29.

408,242. BRUSHLESS AND LATHER SHAVING CREAMS. ELIOT G. FARRINGTON, doing business as Farrington Products Co., Detroit, Mich.
Filed April 22, 1943. Serial No. 460,094. PUBLISHED MAY 16, 1944. Class 4.

408,243. DEHUMIDIFIER UNITS. CINCINNATI AIRITE LABORATORIES, INC., Cincinnati, Ohio.
Filed May 28, 1943. Serial No. 460,983. PUBLISHED NOVEMBER 16, 1943. Class 34.

408,244. FEEDS AND FEED SUPPLEMENTS AND CONCENTRATES FOR LIVESTOCK AND POULTRY—NAMELY, MINERALIZED TANKAGE, HOG AND PIG SUPPLEMENT, AND CONCENTRATES FOR HOGS, CATTLE, AND POULTRY. WOLAVER LIVESTOCK SERVICE COMPANY, Springfield, Ill.
Filed June 14, 1943. Serial No. 461,402. PUBLISHED NOVEMBER 16, 1943. Class 46.

408,245. CANNED SOY BEAN SUCCOTASH COMPRISING WHOLE KERNEL GOLDEN CORN AND SOY BEANS. BLOOMSBURG PACKING CO. INC., Bloomsburg, Pa.
Filed June 24, 1943. Serial No. 461,624. PUBLISHED NOVEMBER 23, 1943. Class 46.

408,246. CHEMICAL DISINFECTANT AND DEODORANT PREPARATION, IN POWDER FORM, FOR USE IN HOTELS, TAVERNS, AND CAFES, WITH INCIDENTAL CLEANSING PROPERTIES FOR GLASSWARE, TABLEWARE, UTENSILS, BARS, AND TOILET BOWLS; BUT NOT FOR USE ON HUMANS AND OTHER ANIMALS. KOCH CHEMICAL COMPANY, Winona, Minn.
Filed June 30, 1943. Serial No. 461,763. PUBLISHED SEPTEMBER 14, 1943. Class 6.

408,247. CUTTING POINT NEEDLES. EDWARD J. OVINGTON, doing business as Ovingtons, Boston, Mass.
Filed July 1, 1943. Serial No. 461,807. PUBLISHED OCTOBER 26, 1943. Class 23.

408,248. MINERAL WATER. CIA. TOPO CHICO, S. A., Monterrey, N. L., Mexico.
Filed July 23, 1943. Serial No. 462,244. PUBLISHED JANUARY 4, 1944. Class 45.

408,249. NONALCOHOLIC BEVERAGE—NAMELY, GINGER ALE. CIA. TOPO CHICO, S. A., Monterrey, N. L., Mexico.
Filed July 23, 1943. Serial No. 462,245. PUBLISHED JANUARY 4, 1944. Class 45.

408,250. PARASITICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed July 28, 1943. Serial No. 462,359. PUBLISHED OCTOBER 5, 1943. Class 6.

408,251. ISOPROPYL ALCOHOL RUBBING COMPOUND. ABBOTT LABORATORIES, North Chicago, Ill.
Filed August 2, 1943. Serial No. 462,436. PUBLISHED MAY 16, 1944. Class 6.

408,252. CANDY. JONAT CANDY CORP., Brooklyn, N. Y.
Filed August 26, 1943. Serial No. 463,022. PUBLISHED MAY 16, 1944. Class 46.

408,253. ENVELOPE-LIKE SEALED CONTAINERS TO FORM INDIVIDUAL PACKAGES, AND MADE PRINCIPALLY OF TWO OPPOSED LAYERS OF SHEET MATERIAL THERMOPLASTICALLY SEALED TOGETHER AT THEIR MARGINS TO FORM A COMPARTMENT FOR THE SUBSTANCE TO BE PACKAGED. IVERS-LEE COMPANY, Newark, N. J.
Filed August 28, 1943. Serial No. 463,075. PUBLISHED MAY 23, 1944. Class 2.

408,254. ENVELOPE-LIKE SEALED CONTAINERS TO BE USED IN PACKAGES AND MADE PRINCIPALLY OF TWO OPPOSED LAYERS OF SHEET MATERIAL THERMOPLASTICALLY SEALED TOGETHER AT THEIR MARGINS TO FORM A COMPARTMENT FOR THE SUBSTANCE TO BE PACKAGED, WITH OR WITHOUT FOLDED PAPER COVERS. IVERS-LEE COMPANY, Newark, N. J.
Filed August 28, 1943. Serial No. 463,076. PUBLISHED MAY 23, 1944. Class 2.

408,255. TUNGSTEN INGOTS, TUNGSTEN RODS, TUNGSTEN STRIPS AND FOR MATERIAL FORMED OF TUNGSTEN, COMPOUNDS OF TUNGSTEN, OR IN WHICH TUNGSTEN IS A PRINCIPAL INGREDIENT—NAMELY, TUNGSTEN POWDER, TUNGSTEN CARBIDE, AND TUNGSTEN-COPPER ALLOYS. CLEVELAND TUNGSTEN, INC., Cleveland, Ohio.
Filed September 10, 1943. Serial No. 463,313. PUBLISHED MAY 16, 1944. Class 14.

408,256. RAINCOATS, TROUSERS, JACKETS, OVERALLS, FLYING SUITS AND SPORTS GARMENTS, ALL MADE WHOLLY OR MAINLY OF COTTON. HAYTHORNTHWAITE & SONS LIMITED, Burnley, England.
Filed September 27, 1943. Serial No. 463,671. PUBLISHED MAY 16, 1944. Class 39.

408,257. ENVELOPE-LIKE SEALED CONTAINERS TO FORM INDIVIDUAL PACKAGES AND MADE PRINCIPALLY OF TWO OPPOSED LAYERS OF SHEET MATERIAL THERMOPLASTICALLY SEALED TOGETHER AT THEIR MARGINS TO FORM A COMPARTMENT FOR LIQUID. IVERS-LEE COMPANY, Newark, N. J.
Filed September 28, 1943. Serial No. 463,733. PUBLISHED MAY 23, 1944. Class 2.

408,258. MEDICAL PREPARATION—NAMELY, AN OINTMENT OF SULFATHIAZOLE WITH VITAMINS "A" AND "D" FOR THE TREATMENT OF SUPERFICIAL WOUNDS AND INFECTIONS OF THE SKIN. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed October 4, 1943. Serial No. 463,889. PUBLISHED DECEMBER 21, 1943. Class 6.

408,259. WATER-SOFTENING SOAPLESS CLEANSER. PHYLLIS MACBIRD, doing business as Phyllis Dare, Los Angeles, Calif.
Filed November 8, 1943. Serial No. 464,822. PUBLISHED MAY 23, 1944. Class 4.

408,260. TOILET PREPARATIONS, PERFUMERY AND COSMETICS—NAMELY, PERFUME, TOILET WATERS, LIPSTICKS, FACE POWDERS, TOILET CREAMS, AND ROUGE. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 16, 1943. Serial No. 465,040. PUBLISHED MAY 16, 1944. Class 6.

408,261. SOLID CLEANING, CLEANSING AND DETERGENT MATERIAL, SPECIALLY ADAPTED FOR LAUNDERING OPERATIONS, BUT NOT LIMITED THERETO. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed December 4, 1943. Serial No. 465,519. PUBLISHED MAY 23, 1944. Class 4.

408,262. HYDRAULIC DISHWASHING MACHINES. NUTONE, INCORPORATED, Cincinnati, Ohio.
Filed December 11, 1943. Serial No. 465,717. PUBLISHED MAY 16, 1944. Class 23.

408,263. BLOCKS COMPOSED OF FERROUS AND NONFERROUS METAL SCRAP. MAX STERN, New York, N. Y.
Filed December 15, 1943. Serial No. 465,787. PUBLISHED MAY 2, 1944. Class 14.

408,264. NURSES' AND MAIDS' UNIFORMS. FREEDMAN-NICOLELLI, INC., Jacksonville, Fla.
Filed December 22, 1943. Serial No. 465,984. PUBLISHED MAY 16, 1944. Class 39.

408,265. RESINOUS MATERIALS FOR USE IN ENAMELS, LACQUERS, VARNISHES, AND PAINTS, SAID RESINOUS MATERIALS PROVIDING IN THE CLASS OF GOODS DESCRIBED A FILM CHARACTERIZED BY RAPID DRYING, IMPROVED DURABILITY AND STABILITY TO REAGENTS AND MECHANICAL OR THERMAL SHOCK AND IMPROVED ADHESION. ANSBACHER-SIEGLE CORPORATION, Brooklyn, N. Y.
Filed January 1, 1944. Serial No. 466,250. PUBLISHED MAY 9, 1944. Class 16.

408,266. AUTOMATIC STOKERS ESPECIALLY ADAPTED FOR HOUSEHOLDS, APARTMENTS, BUILDINGS, AND HOTELS. ELECTRO-KING MFG. COMPANY, Chicago, Ill.
Filed January 8, 1944. Serial No. 466,405. PUBLISHED MAY 23, 1944. Class 34.

408,267. MANICURE IMPLEMENTS—NAMELY, NAIL BRUSHES, NAIL BUFFERS, NAIL FILES, NAIL CLIPPERS, CUTICLE KNIVES, SCISSORS, MANICURE STICKS, TWEEZERS, EMERY BOARDS, PUMICE BOARDS, AND NAIL POLISHERS. C. J. BATES & SON, Chester, Conn.
Filed January 10, 1944. Serial No. 466,423. PUBLISHED MAY 23, 1944. Class 44.

408,268. MANICURE IMPLEMENTS—NAMELY, NAIL BRUSHES, NAIL BUFFERS, NAIL FILES, NAIL CLIPPERS, CUTICLE KNIVES, SCISSORS, MANICURE STICKS. TWEEZERS, EMERY BOARDS, PUMICE BOARDS, AND NAIL POLISHERS. C. J. BATES & SON, Chester, Conn.
Filed January 10, 1944. Serial No. 466,424. PUBLISHED MAY 23, 1944. Class 44.

408,269. MUFFIN MIX. GENERAL MILLS, INC., Minneapolis, Minn.
Filed January 10, 1944. Serial No. 466,440. PUBLISHED MAY 23, 1944. Class 46.

408,270. PANCAKE AND WAFFLE MIX. GENERAL MILLS, INC., Minneapolis, Minn.
Filed January 10, 1944. Serial No. 466,441. PUBLISHED MAY 23, 1944. Class 46.

408,271. FRESH VEGETABLES—NAMELY, CAULIFLOWER, PEAS, BEANS, AND TOMATOES. JIM WATKINS & SONS, Aptos, Calif.
Filed January 10, 1944. Serial No. 466,471. PUBLISHED MAY 23, 1944. Class 46.

408,272. GEARS, GEAR JOINTS, ETC. PIEZOELECTRIC CORPORATION, Flemington, N. J.
Filed January 15, 1944. Serial No. 466,620. PUBLISHED MAY 16, 1944. Class 23.

408,273. BUFFING AND POLISHING COMPOSITIONS APPLICABLE TO THE TREATMENT OF METALS, PLASTICS, LEATHER AND OTHER SOLID MATERIALS AND COMPOSITIONS GENERALLY, WHICH ARE SUSCEPTIBLE OF POLISHING BY ABRASIVE ACTION. THE LEA MANUFACTURING CO., Waterbury, Conn.
Filed January 19, 1944. Serial No. 466,702. PUBLISHED MAY 23, 1944. Class 4.

408,274. ELECTROPLATING SOLUTION, ELECTROPLATING ELECTROLYTE, AND LEAD FLUOBORATE ELECTROPLATING SOLUTION. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed January 19, 1944. Serial No. 466,709. PUBLISHED MAY 16, 1944. Class 6.

408,275. INTERNAL COMPOUNDED MEDICINE FOR THE TREATMENT OF ASTHMA. MARIA G. DE VALLS, St. Croix, Virgin Islands.
Filed January 20, 1944. Serial No. 466,727. PUBLISHED MAY 16, 1944. Class 6.

408,276. PLATING AND POLISHING MACHINES AND PARTS THEREOF. DAVID LEVINE, doing business as Plating Equipment & Supply Company, New York, N. Y.
Filed January 29, 1944. Serial No. 466,997. PUBLISHED MAY 9, 1944. Class 23.

408,277. POWDER PUFFS AND POWDER MITTS SOLD WITHOUT POWDER. MAX BAUERNFREUND, doing business as French Powder Puff Co., New York, N. Y.
Filed February 3, 1944. Serial No. 467,119. PUBLISHED MAY 23, 1944. Class 29.

408,278. DIP-TYPE WRITING SETS CONSISTING OF QUASI-BALL INK RESERVOIR AND A PEN HOLDER MOVABLY MOUNTED ON A BASE. ZEPHYR AMERICAN CORP., New York, N. Y.
Filed February 5, 1944. Serial No. 467,212. PUBLISHED MAY 23, 1944. Class 37.

408,279. AUXILIARY SAILBOATS. DONALD B. ABBOTT, Mamaroneck, N. Y.
Filed February 7, 1944. Serial No. 467,213. PUBLISHED MAY 23, 1944. Class 19.

408,280. AUXILIARY SAILBOATS. DONALD B. ABBOTT, Mamaroneck, N. Y.
Filed February 7, 1944. Serial No. 467,215. PUBLISHED MAY 23, 1944. Class 19.

408,281. SHOWER PANS. GLENN A. MORTHLAND, doing business as Compotite Shower Pan, Los Angeles, Calif.
Filed February 8, 1944. Serial No. 467,285. PUBLISHED MAY 23, 1944. Class 13.

408,282. ASPHALTS AND TARS TREATED TO FACILITATE ADHESION TO UNDRIED AGGREGATES FOR ROAD PAVING. INLAND ASPHALT CORPORATION, Chicago, Ill.
Filed February 10, 1944. Serial No. 467,319. PUBLISHED MAY 23, 1944. Class 12.

408,283. THERMAL INSULATION MASTIC MATERIAL. OCEANIC INSUL-LITE CORP., Brooklyn, N. Y.
Filed February 11, 1944. Serial No. 467,356. PUBLISHED MAY 23, 1944. Class 12.

408,284. FRUIT CONCENTRATE FOR MAKING A NONALCOHOLIC BEVERAGE. GENERAL DESSERTS CORPORATION, New York, N. Y.
Filed February 15, 1944. Serial No. 467,432. PUBLISHED MAY 16, 1944. Class 45.

408,285. WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed February 16, 1944. Serial No. 467,450. PUBLISHED MAY 23, 1944. Class 46.

408,286. FROZEN CONFECTIONS. ALOYS HOFFMANN, Albuquerque, N. Mex.
Filed February 16, 1944. Serial No. 467,456. PUBLISHED MAY 23, 1944. Class 46.

408,287. PRECIOUS METALS AND PRECIOUS METAL SOLDERS. WILLIAM B. OGUSH, INC., New York, N. Y.
Filed February 16, 1944. Serial No. 467,461. PUBLISHED MAY 23, 1944. Class 14.

408,288. STEEL-MILL MACHINERY, SPECIFICALLY MACHINES FOR HANDLING AND PROCESSING PLATES AND STRIP, SUCH AS ROLLER TABLES, SHEARS, CONVEYING APPARATUS FOR ELECTROLYTIC COATING LINES, COILERS, UNCOILERS AND PINCH ROLLS. THE WEAN ENGINEERING COMPANY, INC., Warren, Ohio.
Filed February 17, 1944. Serial No. 467,504. PUBLISHED MAY 16, 1944. Class 23.

408,289. LEATHER DYES. OLD DUTCH INDUSTRIAL PRODUCTS CO., INC., Kearny, N. J.
Filed February 18, 1944. Serial No. 467,534. PUBLISHED MAY 16, 1944. Class 6.

408,290. TRANSMISSION GEARS, REVERSE GEARS, REDUCTION GEARS, AND CLUTCHES. PARAGON GEAR WORKS, INC., Taunton, Mass.
Filed February 21, 1944. Serial No. 467,616. PUBLISHED MAY 9, 1944. Class 23.

408,291. ETCHED PLAQUE OF PLASTIC MATERIAL USED AS A SIGN AND FOR DECORATIVE PURPOSES. WOLFE & MANN DEVICE CO., Baltimore, Md.
Filed February 22, 1944. Serial No. 467,683. PUBLISHED MAY 23, 1944. Class 50.

408,292. PREPARATION IN LIQUID FORM FOR THE TREATMENT OF ACHES, PAINS, AND FROST BITES. LEONARD WALKER, doing business as Walker Remedy Mfg. Co., Chicago, Ill.
Filed February 23, 1944. Serial No. 467,704. PUBLISHED MAY 16, 1944. Class 6.

408,293. STEEL AND STEEL ALLOY CASTINGS. YOUNGSTOWN ALLOY CASTING CORPORATION, Youngstown, Ohio.
Filed February 24, 1944. Serial No. 467,740. PUBLISHED MAY 16, 1944. Class 14.

408,294. PAPER PRODUCTS—NAMELY, BOND PAPER, WRAPPING PAPER, TYPEWRITER PAPER, PRINTING PAPER, PADS, SECOND SHEETS, ETC. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed February 25, 1944. Serial No. 467,751. PUBLISHED MAY 23, 1944. Class 37.

408,295. AIRPLANES AND STRUCTURAL PARTS THEREFOR. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif.
Filed February 25, 1944. Serial No. 467,762. PUBLISHED MAY 23, 1944. Class 19.

408,296. FLEXIBLE ABRASIVE STONES. WILLIAM E. JOHNSON, doing business as W. E. Johnson Co., Pequannock, N. J.
Filed February 26, 1944. Serial No. 467,784. PUBLISHED MAY 23, 1944. Class 4.

408,297. GAMES CONSISTING OF A GAME BOARD HAVING MINIATURE BASKETS AT ITS ENDS AND A PADDED UPPER SURFACE, WITH DISCS TO BE FLIPPED OVER THE SURFACE OF SAID GAME BOARD AND INTO SAID BASKETS IN PLAYING THE SAME. HOWARD M. HAY, Chicago, Ill.
Filed March 2, 1944. Serial No. 467,927. PUBLISHED MAY 23, 1944. Class 22.

408,298. DIAMOND BITS. J. K. SMIT & SONS, INC., New York, N. Y.
Filed March 4, 1944. Serial No. 467,983. PUBLISHED MAY 16, 1944. Class 23.

408,299. CHEMICALLY TREATED COLLOIDAL CLAY, ADAPTED FOR USE AS A DECOLORIZING, BLEACHING, FILTERING, PURIFYING, ADSORBING, AND CATALYTIC MEDIUM. FILTROL CORPORATION, Los Angeles, Calif.
Filed March 7, 1944. Serial No. 468,019. PUBLISHED MAY 16, 1944. Class 6.

408,300. CHEMICALLY TREATED COLLOIDAL CLAY, ADAPTED FOR USE AS A DECOLORIZING, BLEACHING, FILTERING, PURIFYING, ADSORBING, AND CATALYTIC MEDIUM. FILTROL CORPORATION, Los Angeles, Calif.
Filed March 7, 1944. Serial No. 468,020. PUBLISHED MAY 16, 1944. Class 6.

408,301. CHEMICALLY TREATED COLLOIDAL CLAY, ADAPTED FOR USE AS A DECOLORIZING, BLEACHING, FILTERING, PURIFYING, ADSORBING, AND CATALYTIC MEDIUM. FILTROL CORPORATION, Los Angeles, Calif.
Filed March 7, 1944. Serial No. 468,021. PUBLISHED MAY 16, 1944. Class 6.

408,302. CHEMICALLY TREATED COLLOIDAL CLAY, ADAPTED FOR USE AS A DECOLORIZING, BLEACHING, FILTERING, PURIFYING, ADSORBING, AND CATALYTIC MEDIUM. FILTROL CORPORATION, Los Angeles, Calif.
Filed March 7, 1944. Serial No. 468,022. PUBLISHED MAY 16, 1944. Class 6.

408,303. MEDICINAL PREPARATION RECOMMENDED FOR USE IN PROPHYLAXIS AND TREATMENT OF CONDITIONS WHERE CALCIUM AND VITAMINS ARE INDICATED. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed March 7, 1944. Serial No. 468,029. PUBLISHED MAY 16, 1944. Class 6.

408,304. INERT CHEMICAL COMPOUND USED TO TAME BOILING ACTION OF LIQUIDS. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa.
Filed March 8, 1944. Serial No. 468,073. PUBLISHED MAY 16, 1944. Class 6.

408,305. PERFUMES. JONTHAY, New York, N. Y.
Filed March 9, 1944. Serial No. 468,117. PUBLISHED MAY 16, 1944. Class 6.

408,306. SOAPS. HAVILAND LABORATORIES, INC., New York, N. Y.
Filed March 10, 1944. Serial No. 468,141. PUBLISHED MAY 23, 1944. Class 4.

408,307. BOYS' SUITS, SUN SUITS, OVERALLS, AND SHORTS, LEHMAN-BAER CO. INC., Baltimore, Md.
Filed March 10, 1944. Serial No. 468,145. PUBLISHED MAY 16, 1944. Class 39.

408,308. MIXTURE CONSISTING ESSENTIALLY OF MALTOSE SUGARS AND SOLUBLE DEXTRINE ADAPTED FOR USE AS A FOOD OR INGREDIENT OF FOODS FOR INFANTS OR OTHERS. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed March 10, 1944. Serial No. 468,168. PUBLISHED MAY 23, 1944. Class 46.

408,309. WOMEN'S AND MISSES' COATS, SUITS, DRESSES, AND JACKETS. THE ETKIN-BANNER CO., INC., New York, N. Y.
Filed March 11, 1944. Serial No. 468,193. PUBLISHED MAY 16, 1944. Class 39.

408,310. HOSIERY. BERKSHIRE KNITTING MILLS, Wyomissing, Pa.
Filed March 13, 1944. Serial No. 468,223. PUBLISHED MAY 16, 1944. Class 39.

408,311. SOYA-CREAM SALAD DRESSING, GARLIC SAUCE, WORCESTERSHIRE SAUCE, ONION SAUCE, STEAK SAUCE, BARBEQUE SAUCE, GRAVY SAUCE, HOT PEPPER SAUCE, AND SOYA SALAD SAUCE. BEATRICE CREAMERY COMPANY, Chicago, Ill.
Filed March 16, 1944. Serial No. 468,335. PUBLISHED MAY 23, 1944. Class 46.

408,312. LUBRICATING OILS AND GREASES. FREEDOM OIL COMPANY, Freedom, Pa.
Filed March 18, 1944. Serial No. 468,411. PUBLISHED MAY 23, 1944. Class 15.

408,313. LUBRICATING OILS AND GREASES. FREEDOM OIL COMPANY, Freedom, Pa.
Filed March 18, 1944. Serial No. 468,413. PUBLISHED MAY 23, 1944. Class 15.

408,314. LADIES' AND MISSES' KNITTED BLOUSES AND SWEATERS. BURNEY EPSTEIN, New York N. Y.
Filed March 22, 1944. Serial No. 468,504. PUBLISHED MAY 23, 1944. Class 39.

408,315. RUBBER PRINTING PLATES AND DIES, AND PLASTIC PRINTING PLATES. THEODORE MOSS COMPANY, Brooklyn, N. Y.
Filed March 22, 1944. Serial No. 468,532. PUBLISHED MAY 23, 1944. Class 50.

408,316. STORAGE BATTERIES, THEIR PARTS AND ACCESSORIES. THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia, Pa.
Filed March 24, 1944. Serial No. 468,601. PUBLISHED MAY 23, 1944. Class 21.

408,317. STORAGE BATTERIES AND PARTS THEREOF. WILLARD STORAGE BATTTERY COMPANY, Cleveland, Ohio.
Filed March 27, 1944. Serial No. 468,740. PUBLISHED MAY 23, 1944. Class 21.

408,318. HYDRAULIC OILS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed March 29, 1944. Serial No. 468,820. PUBLISHED MAY 23, 1944. Class 15.

408,319. FOUNTAIN BRUSHES. DIAGRAPH-BRADLEY STENCIL MACHINE CORPORATION, St. Louis, Mo.
Filed April 10, 1944. Serial No. 469,190. PUBLISHED MAY 23, 1944. Class 29.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

408,320. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STA-TITE MFG. COMPANY, Kansas City, Mo. Filed July 5, 1941. Serial No. 445,106.

SHOCKPROOF

FOR ELECTRICAL CORD SETS AND ELECTRICAL HEATER PLUGS.
Claims use since August 1940.

408,321. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SEARS, ROEBUCK AND Co., Chicago, Ill. Filed May 15, 1942. Serial No. 453,040.

TRIM-O-LITES

FOR CHRISTMAS TREE LIGHTING OUTFITS.
Claims use since Dec. 4, 1941.

408,322. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) NEW YORK MERCHANDISE CO., INC., New York, N. Y. Filed Dec. 10, 1942. Serial No. 457,317.

Pasteur

FOR TOOTHBRUSHES.
Claims use since February 1921.

408,323. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SKINNER MANUFACTURING COMPANY, Omaha, Nebr. Filed May 6, 1943. Serial No. 460,455.



Applicant is the owner of Registration No. 379,791, dated July 23, 1940.
FOR BREAKFAST CEREALS.
Claims use since Jan. 6, 1942.

408,324. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOODWIN PRESERVING CO. INCORPORATED, Louisville, Ky. Filed June 2, 1943. Serial No. 461,096.

GOODWIN'S

FOR PEACH FRUIT PRESERVE AND JELLIES, APPLE BUTTER, AND SPAGHETTI.

Claims use since May 10, 1943, for spaghetti; since 1913 for preserves, jellies, and apple butter.

408,325. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TRUSCON LABORATORIES, INC., Detroit, Mich. Filed Nov. 20, 1943. Serial No. 465,195.

SAF-T-DEK

FOR PAINT-LIKE MATERIAL ADAPTED TO BE TROWELED OR SPRAYED UPON A SURFACE TO BE PROTECTED THEREBY.

Claims use since May 1, 1943.

408,326. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) PADEN CITY POTTERY COMPANY, Paden City, W. Va. Filed July 12, 1943. Serial No. 462,023.

Shenandoah Ware

PADEN CITY POTTERY MADE IN U.S.A. THE Co.

UNDER GLAZE

FOR DINNERWARE MADE FROM POTTERY CLAY.

Claims use since June 17, 1943.

408,327. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) COLUMBIA-WALESCRAFT CO., New York, N. Y. Filed Nov. 27, 1943. Serial No. 465,337.

Wales

FOR BILLFOLDS, WALLETS, KEY CASES, CARD CASES, PASS CASES, CHANGE PURSES, SUITCASES, WARDROBE CASES, VALISES, OVERNIGHT BAGS, AND POCKETBOOKS.

Claims use since 1924.

408,328. (CLASS 39. CLOTHING.) BESSIE NORENSKY, doing business as Famous Kiddie Frocks, New York, N. Y. Filed Dec. 29, 1943. Serial No. 466,151.

FAMOUS KIDDIE FROCKS

FOR CHILDREN'S FROCKS.

Claims use since Dec. 1, 1933.

408,329. (CLASS 43. THREAD AND YARN.) A. & H. SHILLMAN COMPANY, INC., Baltimore, Md. Filed Feb. 26, 1944. Serial No. 467,795.

Home Spun

FOR YARNS AND THREADS FOR NEEDLE WORK.

Claims use since September 1932.

408,330. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ABRAHAM F. MOORE, doing business as A. F. Moore & Company, Worcester, Mass. Filed Mar. 20, 1944. Serial No. 468,465.

MOORE'S

FOR COMPOUND FOR GENERAL HOUSEHOLD CLEANING AND REMOVING STAINS AND ALSO HAVING BLEACHING PROPERTIES.

Claims use since 1939.

408,331. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ARNOLD LUNDMARK, doing business as Cardy-Lundmark Company, Chicago, Ill. Filed Apr. 12, 1944. Serial No. 469,268.

Super-glo

FOR LUMINOUS COATED PLASTIC BASE IDENTIFICATION BADGES, LUMINOUS WALL DECORATIONS IN THE NATURE OF CUT OUT SYMBOLS AND LUMINOUS COATED TAPE FOR MARKING ARTICLES TO LOCATE THEM IN THE DARK.

Claims use since July 21, 1942.

408,332. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed May 29, 1944. Serial No. 470,775.

Yorkshire

FOR PIPES.

Claims use since January 1941.

408,333. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DINHOFER BROS. INC., New York, N. Y. Filed May 30, 1944. Serial No. 470,791.

ROBERT CART

FOR WATCHES, WATCH MOVEMENTS, AND WATCH PARTS.

Claims use since Aug. 28, 1937.

TRADE-MARK REGISTRATIONS RENEWED

25,564. **REPRESENTATION OF A RAM'S HEAD ON A SHIELD.** MEN'S OUTER CLOTHING. Registered December 4, 1894. FRANK L. DUNNE. Re-renewed December 4, 1944, to F. L. Dunne Co., Boston, Mass., a corporation of Massachusetts, successor.

182,050. **MISENER.** TOOLS USING A HACKSAW BLADE FOR CUTTING CIRCULAR HOLES IN METAL, ETC. Registered April 1, 1924. MISENER & IRVING MFG. CO. Renewed April 1, 1944, to Misener Mfg. Co., Inc., Syracuse, N. Y., a corporation of New York, by change of name.

183,605. **NU-TRON.** AMPLIFIERS AND THERMIONIC DEVICES. Registered May 6, 1924. FRED W. BROWN, Bethesda, Ohio. Renewed May 6, 1944, to C. W. Cribbs, Steubenville, Ohio, assignee by mesne assignments.

184,745. **"TRAVELIGHT" AND DRAWING.** SHOES OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC. Registered June 3, 1924. H. WILENSKY & SONS CO. Renewed June 3, 1944, to Jake H. Wilensky Leather Co., Inc., Atlanta, Ga., a corporation of Delaware, assignee.

185,272. **"BROWNIE" AND DRAWING.** FRESH GRAPES. Registered June 10, 1924. CALIFORNIA FRUIT EXCHANGE, Sacramento, Calif., a corporation of California. Renewed June 10, 1944.

185,717. **CURO MINERAL CLAY.** NATURAL MINERAL CLAY PRODUCT PREPARED FOR USE AS AN OINTMENT TO BE APPLIED EXTERNALLY IN THE TREATMENT OF SPRAINS, BRUISES, INFLAMMATION, RHEUMATISM, AND SIMILAR AILMENTS. Registered June 24, 1924. CHARLES W. YOUNG, doing business as Mineral Clay Products Company. Renewed June 24, 1944, to Raymond G. Young, Omaha, Nebr., successor.

185,793. **LACTART.** CHEMICAL PRODUCTS—NAMELY, LACTIC ACID, AMMONIA, AND BISULPHIDE OF SODA. Registered June 24, 1924. WAMESIT CHEMICAL COMPANY, Lowell, Mass. Renewed June 24, 1944, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

185,962. **"NONE BETTER NB" AND DRAWING.** SOCKET-WRENCH SETS. Registered July 1, 1924. THE NEW BRITAIN MACHINE COMPANY, New Britain, Conn., a corporation of Connecticut. Renewed July 1, 1944.

186,072. **BANKTONE.** WRITING PAPER. Registered July 1, 1924. E. E. LLOYD PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 1, 1944.

186,073. **POSTRITE.** WRITING PAPER. Registered July 1, 1924. E. E. LLOYD PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 1, 1944.

186,103. **PARK.** COTTON TWINE. Registered July 1, 1924. MT. VERNON-WOODBERRY MILLS, INC., Baltimore, Md., a corporation of Maryland. Renewed July 1, 1944.

186,104. **MT. VERNON.** COTTON TWINE. Registered July 1, 1924. MT. VERNON-WOODBERRY MILLS, INC., Baltimore, Md., a corporation of Maryland. Renewed July 1, 1944.

186,659. **"DU PONT" AND DESIGN.** ACIDS, COMPRISING LACTIC, ACETIC, SULPHURIC, NITRIC, AND HYDROCHLORIC ACIDS; ALUMS, SULPHATE OF ALUMINA, BARIUM CHEMICALS, SODIUM CHEMICALS, STRONTIUM CHEMICALS, BAUXITE, DISTILLED WATER, PYROXYLIN SOLUTIONS; NITROCELLULOSE, GUM, RESIN, OIL, AND COLOR SOLUTIONS; ETHERS, ALCOHOLS, AND ESTERS; NITROCELLULOSE, GUM, RESIN, OIL, AND COLOR SOLVENTS. Registered July 22, 1924. E. I. DU PONT DE NEMOURS & COMPANY, Wilmington, Del., a corporation of Delaware. Renewed July 22, 1944.

186,677. **ARCH REST.** MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER OR TEXTILE MATERIAL. Registered July 22, 1924. THE IRVING DREW COMPANY, Portsmouth, Ohio. Renewed July 22, 1944, to Irving Drew Corporation, Lancaster, Ohio, a corporation of Ohio, assignee.

187,244. **"GOODIES" AND DESIGN.** SANDWICHES. Registered July 29, 1924. PEOPLES DRUG STORES, INC. Renewed July 29, 1944, to Peoples Drug Stores, Inc., Washington, D. C., a corporation of Maryland, successor.

187,254. **"GLOBE" AND DRAWING.** CORNSTARCH. Registered July 29, 1924. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed July 29, 1944.

187,459. **"N" AND DESIGN.** ELECTRICAL CONDUITS AND FITTINGS, INSULATING BRACKETS, TUBING, RUBBER-COVERED WIRE AND CABLES. Registered August 5, 1924. NATIONAL METAL MOLDING COMPANY. Renewed August 5, 1944, to National Electric Products Corporation, Pittsburgh, Pa., a corporation of Delaware, assignee.

187,483. **GLIDE-E-Z.** DANCE-FLOOR WAX. Registered August 5, 1924. CECIL MOORE, Lewistown, Mont. Renewed August 5, 1944.

187,776. **"SILVRAY" AND DESIGN.** ELECTRIC LAMPS. Registered August 12, 1924. SILVRAY CO., INC. Renewed August 12, 1944, to Silvray Lighting, Inc., New York, N. Y., a corporation of New York, successor.

188,120. **NUPAK.** SANITARY NAPKINS. Registered August 19, 1924. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Renewed August 19, 1944.

188,258. **BULL DOG.** POWER LAWN MOWERS. Registered August 19, 1924. IDEAL POWER LAWN MOWER COMPANY, Lansing, Mich., a corporation of Michigan. Renewed August 19, 1944.

188,271. **AUTOCRAT.** EGGS. Registered August 19, 1924. LEWIS MEARS COMPANY, Boston, Mass. Renewed August 19, 1944, to Rob't F. Lewis, Inc., Cambridge, Mass., a corporation of Massachusetts, successor.

188,474. **STARDUST.** NAIL-POLISHING POWDER. Registered August 26, 1924. HUGH A. CLOTWORTHY, New York, N. Y. Renewed August 26, 1944, to Hugh A. Clotworthy, Miami, Fla.

188,715. **REPRESENTATION OF THE WORLD ENCIRCLED WITH BRICKS.** FIRE BRICK AND REFRACTORY CEMENTS. Registered September 2, 1924. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed September 2, 1944.

188,748. **ANTHRAXOIDS.** VACCINES. Registered September 2, 1924. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed September 2, 1944.

188,749. **BLACKLEGOIDS.** VACCINES. Registered September 2, 1924. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed September 2, 1944.

188,933. **SAMSON.** LIME. Registered September 9, 1924. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y. Renewed September 9, 1944, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

188,968. **T.D.S.** DENTAL SUPPLIES—NAMELY, HAND-PIECES, DRILLS, FINISHING STRIPS, DISK HOLDERS, STONE TRUERS, PLATE SWAGERS, AND FACE BOWS. Registered September 9, 1924. WALTER J. TERRY, Seattle, Wash. Renewed September 9, 1944.

189,026. **LUNA DE ORO.** WHEAT FLOUR. Registered September 9, 1924. GREAT WEST MILL & ELEVATOR COMPANY, Amarillo, Tex. Renewed September 9, 1944, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

189,379. **CHARMETTE.** MEN'S, WOMEN'S AND CHILDREN'S HOSIERY. Registered September 16, 1924. JOSEPH P. VOORHEES, East Orange, N. J. Renewed September 16, 1944, to Magnet Mills, Inc., Clinton, Tenn., a corporation of Delaware, assignee.

189,404. **"GLOBE" AND DRAWING.** STARCH FOR LAUNDRY AND MANUFACTURING PURPOSES. Registered September 16, 1924. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed September 16, 1944.

189,428. **"MAKES COTTON LOOK AND FEEL LIKE LINEN" AND DESIGN.** LAUNDRY STARCH. Registered September 16, 1924. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed September 16, 1944.

189,716. **"FRANKE QUALITY" AND DESIGN.** PAPER BOXES, PARTICULARLY CHRISTMAS BOXES AND NUT CUPS. Registered September 23, 1924. THE GEORGE FRANKE SONS COMPANY, Baltimore, Md., a corporation of Maryland. Renewed September 23, 1944.

189,723. **QUEEN ANNE.** WHEAT FLOUR. Registered September 23, 1924. PORTLAND FLOUR MILLS CO., Portland, Oreg. Renewed September 23, 1944, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

189,745. **MOON MULLINS.** SERIES OF CARTOONS. Registered September 23, 1924. TRIBUNE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 23, 1944.

189,863. **"HARDY PEAR" AND DRAWING.** COTTON BLANKETS AND COTTON PIECE GOODS. Registered September 30, 1924. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass. Renewed September 30, 1944, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts, assignee.

189,969. **OUR HOME.** BROWN AND BLEACHED SHEETINGS, SHEETS, AND PILLOWCASES. Registered September 30, 1924. WM. R. MOORE DRY GOODS COMPANY, Memphis, Tenn., a corporation of Tennessee. Renewed September 30, 1944.

190,163. **AJAX.** DRESS, NEGLIGEE, AND WORK SHIRTS. Registered October 7, 1924. WM. R. MOORE DRY GOODS COMPANY, Memphis, Tenn., a corporation of Tennessee. Renewed October 7, 1944.

190,248. **"CASTLE" AND DESIGN.** STERILIZERS FOR DENTISTS, PHYSICIANS, HOSPITALS, VETERINARY SURGEONS, AND BARBERS, AND BACTERIOLOGICAL INCUBATORS. Registered October 7, 1924. WILMOT CASTLE COMPANY, Rochester, N. Y., a corporation of New York. Renewed October 7, 1944.

190,372. **LIBERTY.** VENTILATORS. Registered October 14, 1924. JOHN A. CALL, doing business as The John Call Co. Renewed October 14, 1944, to Penn Ventilating Company, Philadelphia, Pa., a partnership, assignee.

190,379. **PUL-AIR.** VENTILATORS. Registered October 14, 1924. JOHN A. CALL, doing business as The John Call Co. Renewed October 14, 1944, to Penn Ventilating Company, Philadelphia, Pa., a partnership, assignee.

190,497. **GELCAPS.** BOTTLE CAPS. Registered October 14, 1924. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed October 14, 1944.

190,593. **OLD FORGE.** TOOLS—NAMELY, PLIERS, WRENCHES, CHISELS, PUNCHES, HAMMERS, AND PNEUMATIC CHISELS. Registered October 14, 1924. QUALITY TOOLS CORPORATION, New Wilmington, Pa., a corporation of Pennsylvania. Renewed October 14, 1944.

190,674. **"ARCH REST DREW" AND DESIGN.** MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER OR TEXTILE MATERIAL. Registered October 21, 1924. THE IRVING DREW COMPANY, Portsmouth, Ohio. Renewed October 21, 1944, to Irving Drew Corporation, Lancaster, Ohio, a corporation of Ohio, assignee.

190,713. **"GOODRICH 1875" AND DRAWING.** LINSEED OIL. Registered October 21, 1924. WILLIAM O. GOODRICH COMPANY, Milwaukee, Wis. Renewed October 21, 1944, to Archer-Daniels-Midland Company, Minneapolis, Minn., a corporation of Delaware, successor.

190,716. **ZINC-O-LITH.** DRY, PASTE, AND READY-MIXED PAINTS; VARNISHES, WALL PAINTS, STAINS, LACQUERS, JAPANS, DRIERS AND DRY COLORS, FLAT WALL FINISHES FOR INTERIOR AND EXTERIOR USE. Registered October 21, 1924. THE GLIDDEN COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed October 21, 1944.

190,883. **"CLINCHFIELD SERVICE MOSS" AND DESIGN.** COAL. Registered October 28, 1924. CLINCHFIELD COAL CORPORATION, Dante, Va., a corporation of Virginia. Renewed October 28, 1944.

190,904. **FORERUNNER.** CANDY. Registered October 28, 1924. BUNTE BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed October 28, 1944.

190,978. **MILL COT.** LUBRICATING OILS AND GREASES. Registered October 28, 1924. STANDARD OIL COMPANY, (NEW JERSEY), Bayonne, N. J. Renewed October 28, 1944, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee.

191,046. **WONDERFUL SHOES FOR WONDERFUL GIRLS.** LADIES' AND MISSES' SHOES OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC. Registered October 28, 1924. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed October 28, 1944.

191,148. **"FLOR DE MANUEL" AND DRAWING.** CIGARS. Registered November 4, 1924. THE MAZER-CRESSMAN CIGAR CO., Philadelphia, Pa. Renewed November 4, 1944, to J. C. Winter & Co., Inc., Red Lion, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

191,259. **"MEYER NEW YORK" AND DESIGN.** BUTTONS, METAL INSIGNIA AND ORNAMENTS, ARMY AND NAVY EQUIPMENT—VIZ, BELTS, AIGUILLETTES, SHOULDER KNOTS, SPURS, AND TRIMMING MADE OF OR PLATED WITH PRECIOUS METAL. Registered November 4, 1924. N. S. MEYER, INC., New York, N. Y., a corporation of New York. Renewed November 4, 1944.

191,263. **"K. G." AND REPRESENTATION OF A KNIGHT.** BROOCHES, SCARFPINS, AND CUFF BUTTONS. Registered November 4, 1924. KARL GUGENHEIM, INC., New York, N. Y., a corporation of New York. Renewed November 4, 1944.

191,497. **RONEODEX.** CARD-INDEX SYSTEM. Registered November 11, 1924. RONEO LIMITED, Holborn, London, England. Renewed November 11, 1944, to Roneo Limited, London, England, an organized company of Great Britain.

191,594. **CONDEX.** WIRE FOR ELECTRICAL USE, PROTECTING INSULATING COVERINGS FOR CONDUCTING WIRE, AND INSULATED AND PROTECTED ELECTRICAL CONDUCTING WIRE. Registered November 11, 1924. SIMPLEX WIRE & CABLE COMPANY, Boston, Mass. Renewed November 11, 1944, to Simplex Wire & Cable Company, Cambridge, Mass., a corporation of Massachusetts.

191,686. **REPRESENTATION OF THE SPHINX. LACQUERS, THINNERS FOR LACQUERS, AND LACQUER ENAMELS.** Registered November 18, 1924. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed November 18, 1944.

191,742. **GOOD LICKIN.** CANDY. Registered November 18, 1924. HARDS BROTHERS COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed November 18, 1944.

191,744. **SILVER THREADS.** CANDY. Registered November 18, 1924. BUNTE BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed November 18, 1944.

191,795. **JOINTITE.** ARTICLES MADE OF NATURAL CORK, OF CORK PARTICLES, AND OF CORK COMPOSITION—NAMELY BOTTLE CORKS, BOTTLE CAPS, AND CORK BULLETIN BOARDS. Registered November 18, 1924. L. MUNDET & SON, INC. Renewed November 18, 1944, to Mundet Cork Corporation, Brooklyn, N. Y., a corporation of New York, by consolidation.

191,810. **"WARREN'S SHIELD SPREAD" AND DESIGN.** PAINTS OF ALL KINDS, STAINS, VARNISHES, AND PAINT ENAMELS. Registered November 18, 1924. THE WARREN COMPANY. Renewed November 18, 1944, to The Warren Company, Atlanta, Ga., a corporation of Georgia, assignee.

191,835. **"STRONG HOLD" AND DRAWING.** WHEAT FLOUR. Registered November 18, 1924. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Renewed November 18, 1944, to International Milling Company, Wilmington, Del., a corporation of Delaware.

191,847. **MOOREWEAR.** HOSIERY; UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, OF KNITTED AND TEXTILE WOVEN FABRICS; SWEATERS. Registered November 18, 1924. WM. R. MOORE DRY GOODS COMPANY, Memphis, Tenn., a corporation of Tennessee. Renewed November 18, 1944.

191,870. **"TITANIC" AND DRAWING.** WHEAT FLOUR. Registered November 18, 1924. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Renewed November 18, 1944, to International Milling Company, Wilmington, Del., a corporation of Delaware.

191,882. **SHOEMACS.** OVERSHOES. Registered November 18, 1924. MANFIELD & SONS, LIMITED, Northampton, England, a corporation of Great Britain. Renewed November 18, 1944.

191,891. **APOLLON.** DURUM WHEAT FLOUR. Registered November 18, 1924. WASHBURN-CROSBY COMPANY. Renewed November 18, 1944, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

192,014. **GENERAL COAL.** COAL AND COKE. Registered November 25, 1924. GENERAL COAL COMPANY, Wilmington, Del., and Philadelphia, Pa., a corporation of Delaware. Renewed November 25, 1944.

192,032. **OLYMPIC.** PASTE PAINT. Registered November 25, 1924. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed November 25, 1944.

192,053. **"DE WITT'S" AND DRAWING.** EYE BATH. Registered November 25, 1924. E. C. DE WITT & CO. INC., Chicago, Ill., a corporation of New York. Renewed November 25, 1944.

192,055. **DR. KILMER & CO.** MEDICINAL AND PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF THE FOLLOWING DISEASES AND CONDITIONS: CURABLE AILMENTS OF THE KIDNEYS, LIVER, BLADDER, AND URINARY ORGANS; DISEASES PECULIAR TO FEMALES, HOARSENESS, TICKLING IN THE THROAT, COLDS, OR CATARRHAL IRRITATION OF THE THROAT, COUGHS, AND SPASMODIC CROUP. Registered November 25, 1924. DR. KILMER & CO., Binghamton, N. Y. Renewed November 25, 1944, to Kilmer & Co., Incorporated, Stamford, Conn., a corporation of Connecticut, assignee by mesne assignments.

192,095. **"MOSCACIDA" AND DRAWING.** INSECTICIDES. Registered November 25, 1924. WEST DISINFECTING COMPANY, New York, N. Y. Renewed November 25, 1944, to West Disinfecting Company, Long Island City, N. Y., a corporation of New York.

192,135. **"TERRIER" AND DRAWING.** FRESH CITROUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, AND FRESH CANTALOUPES. Registered November 25, 1924. RANDOLPH MARKETING COMPANY, Los Angeles, Calif., a corporation of California. Renewed November 25, 1944.

192,152. **EYTAL.** EYE BATH. Registered November 25, 1924. SMITH, KLINE & FRENCH COMPANY. Renewed November 25, 1944, to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

192,164. **BLUE RIBBON.** NEAR BEER AND MALT CEREAL BEVERAGES. Registered November 25, 1924. PABST CORPORATION, Milwaukee, Wis. Renewed November 25, 1944, to Pabst Brewing Company, Chicago, Ill., a corporation of Delaware, assignee.

192,245. **CHARM.** UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN; LADIES' APPAREL—NAMELY, BATH ROBES, SWEATERS, GOWNS, BRASSIÈRES, CAMISOLES, APRONS, PETTICOATS, KIMONAS, CHEMISE, MIDDY BLOUSES, DRESSES, CLOTH CLIPPERS, COLLARS, AND VESTEES; AND OTHER CERTAIN NAMED APPAREL FOR INFANTS, CHILDREN, AND MEN. Registered December 2, 1924. S. BLECHMAN & SONS, INC., New York, N. Y., a corporation of New York. Renewed December 2, 1944.

192,250. **ITTITE.** SPECTACLES, EYEGLASSES, GOGGLES, EYE-TESTING INSTRUMENTS, GLASS-TESTING INSTRUMENTS, LENS-MEASURING INSTRUMENTS, AND PARTS THEREOF. Registered December 2, 1924. UNIVERSAL OPTICAL CORPORATION. Renewed December 2, 1944, to Universal Optical Company, Inc., Providence, R. I., a corporation of Rhode Island, assignee.

192,253. **BUFLOVAK.** CALANDRIAS, CAUSTICIZERS, CONCENTRATORS, CONDENSERS, CRYSTALLIZERS, ROTARY HOT AIR, VACUUM DRUM, VACUUM SHELF, ATMOSPHERIC SINGLE DRUM, ATMOSPHERIC DOUBLE DRUM AND VACUUM ROTARY DRIERS, EVAPORATORS, FLAKERS, FRACTIONATING COLUMNS, IMPREGNATING APPARATUS, AND OTHER CERTAIN NAMED APPARATUS AND EQUIPMENT. Registered December 2, 1924. BUFFALO FOUNDRY & MACHINE CO., Buffalo, N. Y., a corporation of New York. Renewed December 2, 1944.

192,270. **QUEEN ISABELLA.** FRUIT JUICES—NAMELY, GRAPE JUICE. Registered December 2, 1924. UTT JUICE COMPANY, Tustin, Calif., a firm. Renewed December 2, 1944.

192,281. **VELTONA.** WOOLEN PIECE GOODS. Registered December 2, 1924. MADISON WOOLEN CO., Madison, Maine, a corporation of Maine. Renewed December 2, 1944.

192,285. **"GR" AND DESIGN.** STANDARDS OF RESISTANCE, INDUCTANCE, AND CAPACITANCE FOR MEASURING PURPOSES, DECADE BRIDGES, SLIDE-WIRE BRIDGES, CAPACITY BRIDGES AND METERS, HOT-WIRE METERS, WAVE METERS, AUDIBILITY METERS, SPECIAL MEASURING INSTRUMENTS FOR MAKING MEASUREMENTS AT AUDIO AND RADIO FREQUENCIES, AND OTHER CERTAIN NAMED COMPENSATORS AND METERS. Registered December 2, 1924. GENERAL RADIO COMPANY, Cambridge, Mass., a corporation of Massachusetts. Renewed December 2, 1944.

192,300. **REPRESENTATION OF AN EAGLE.** CARDED AND COMBED COTTON YARNS. Registered December 2, 1924. CRAMERTON MILLS, INCORPORATED, Cramerton, N. C., a corporation of North Carolina. Renewed December 2, 1944.

192,304. **RICE HOTEL.** CANNED VEGETABLES, FRUITS, AND FISH; FRESH AND DRIED SPLIT FIGS AND WHOLE FIGS, GOLDEN DATES, CURRANTS, JAMS, FRUIT PRESERVES, JELLIES, TABLE SIRUP, PURE CANE SIRUP FOR FOOD PURPOSES, MAPLE SIRUP, PANCAKE SIRUP, MINCEMEAT, OLIVES, OLIVE OIL, PECAN MEATS SALTED AND IN THEIR NATURAL STATE, AND OTHER CERTAIN NAMED FOOD PRODUCTS. Registered December 2, 1924. GORDON, SEWALL & Co., INC., Houston, Galveston, and Port Arthur, Tex. Renewed December 2, 1944, to Gordon, Sewall & Co., Inc., Houston, Tex., a corporation of Texas.

192,320. **TIPT TOE.** HOSIERY. Registered December 2, 1924. PHOENIX HOSIERY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed December 2, 1944.

192,333. **SPEEDWAY.** SAFETY-RAZOR BLADES. Registered December 2, 1924. INTERNATIONAL SAFETY RAZOR CORPORATION, Bloomfield, N. J., a corporation of New Jersey. Renewed December 2, 1944.

192,360. **SHUR-WHITE.** MIXED PAINTS. Registered December 2, 1924. COOK PAINT & VARNISH COMPANY, Kansas City, Mo. Renewed December 2, 1944, to Cook Paint & Varnish Company, North Kansas City, Mo., a corporation of Delaware, successor.

192,370. **"BECKMAN'S" AND DRAWING.** FUR ARTICLES OF WEAR—NAMELY, CAPES, COATS, WRAPS, AND NECK PIECES. Registered December 2, 1924. BEN BECKMAN, doing business as Beckman's Fur Factory, Los Angeles, Calif. Renewed December 2, 1944.

192,388. **'JAPSHAN'.** NEGLIGEE SHIRTS, COLLARS, PYJAMAS, DRESSING GOWNS, AND JACKETS, BLOUSES, NIGHTDRESSES, KNITTED UNDERWEAR, AND CHILDREN'S DRESSES, HOSIERY, AND BOOTEES. Registered December 2, 1924. WILLIAM HOLLINS & CO. LTD., London and Mansfield, England. Renewed December 2, 1944, to William Hollins & Company, Limited, Nottingham, England, a United Kingdom corporation.

192,407. **"POLAR STAR" AND DRAWING.** WHEAT FLOUR. Registered December 2, 1924. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Renewed December 2, 1944, to International Milling Company, Wilmington, Del., a corporation of Delaware.

192,420. **"TOPMOST" AND DRAWING.** WHEAT FLOUR. Registered December 2, 1924. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Renewed December 2, 1944, to International Milling Company, Wilmington, Del., a corporation of Delaware.

192,458. **TEX.** A DOUGH ASSISTANT CONSISTING OF AN EDIBLE PRODUCT DESIGNED TO IMPROVE THE QUALITY OF LEAVENED BREAD BY INCREASING ITS LIGHTNESS AND FINENESS OF TEXTURE. Registered December 2, 1924. RUMFORD CHEMICAL WORKS, Providence, R. I. Renewed December 2, 1944, to Rumford Chemical Works, Rumford, R. I., a corporation of Rhode Island.

192,460. **"GAERTNER" AND DESIGN.** MEASURING TELESCOPES, MICROMETER SLIDES AND ATTACHMENTS, MICROSCOPE SUPPORTS, SPHEROMETERS, TEST PLANES FOR USE WITH SPHEROMETERS, MICROMETER SCREWS, LEVELS AND LEVEL TESTERS, LABORATORY TELESCOPES, TELESCOPE SUPPORTS, MOUNTED READING TELESCOPES, ELEVATING STANDS, MEASURING SCALES, AND OTHER CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered December 2, 1924. THE GAERTNER SCIENTIFIC CORPORATION, Chicago, Ill., a corporation of Illinois. Renewed December 2, 1944.

192,461. **"THE COHEN DAIRY" AND DRAWING.** MILK, CONDENSED MILK, CREAM, CHEESE, BUTTER, BUTTERMILK, AND EGGS. Registered December 2, 1924. COHEN DAIRY COMPANY, New York, N. Y., a copartnership. Renewed December 2, 1944.

REISSUES

AUGUST 1, 1944

22,524

INSECTICIDE

Seaver A. Ballard, Oakland, and Vernon E. Haury, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Original No. 2,307,482, dated January 5, 1943, Serial No. 381,548, March 3, 1941. Application for reissue July 28, 1943, Serial No. 496,680

17 Claims. (Cl. 167—24)

1. The process of controlling insect pests, comprising the step of exposing said pests to an unsaturated alicarbocyclic ketol having the carbonyl group in the ring and containing at least 10 carbon atoms.

8. An insecticide comprising an alicarbocyclic unsaturated ketol having at least 10 carbon atoms whose carbonyl group is part of the ring and an additional insecticide selected from the group consisting of pyrethrum and derris.

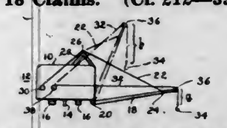
22,525

LIMIT SWITCH AND CONTROL SYSTEM COMBINATION

Paul G. White, Cleveland, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Original No. 2,328,697, dated September 7, 1943, Serial No. 457,464, September 5, 1942. Application for reissue November 25, 1943, Serial No. 511,745

18 Claims. (Cl. 212—39)



1. In a control system for separately operable reversible motors arranged to drive separately operable elements, respectively, and means for controlling the direction of rotation of said motors, a differentially operated limit switch means for the motors and driven differentially in response to the operated positions of said operable elements, said limit switch means having contact means for controlling the energization of said motors for one direction of rotation, said contact means permitting unlimited rotation of said motors in the opposite direction.

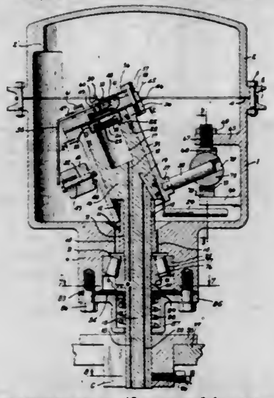
22,526

ROTARY RECIPROCATING COMPRESSOR

Sylvester A. Limpert, deceased, late of Bay Shore, N. Y., by Katherine E. Limpert and Alexander S. Limpert, executors, Bay Shore, N. Y., and Alexander S. Limpert, Bay Shore, N. Y.; said executors of said Sylvester A. Limpert, deceased, assignors to Katherine E. Limpert

Original No. 2,201,188, dated May 21, 1940, Serial No. 32,868, July 24, 1935. Application for reissue December 15, 1943, Serial No. 514,429

33 Claims. (Cl. 230—175)



1. In a compressor, the combination comprising a rotatable shell forming a refrigerant receptacle, a cylinder element mounted in said receptacle and having a compression chamber that is periodically in communication with the receptacle during the operation of the compressor, a piston element mounted in said cylinder and relatively reciprocatable with respect thereto, said piston having a shank element which projects through said shell; one of the said compressor elements being stationary, but relatively rotatable with respect to the shell, and the other element being capable of rotation and reciprocation with respect to said stationary element, driving means interconnecting one of said compressor elements with said shell and means for sealing the joint between said shell and said shank to prevent the escape of refrigerant therebetween.

PLANT PATENTS

GRANTED AUGUST 1, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

635

THORNLESS BLACKBERRY PLANT

John C. Bowen, Menlo Park, Calif.

Application April 26, 1943, Serial No. 484,563

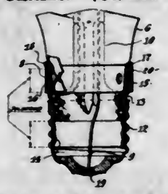
1 Claim. (Cl. 47—62)

A new variety of early bearing blackberry plant as herein shown and described, and characterized by a total absence of thorns, cane tip propagation, large, long, jet black berries, said berries having small drupelets, very small seeds, and the plant having the characteristic of not producing any "suckers."

PATENTS

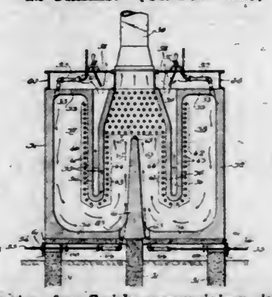
GRANTED AUGUST 1, 1944

2,354,642
SHOCKPROOF BASE
Waldemar E. Anderson, Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 1, 1943, Serial No. 493,005
4 Claims. (Cl. 176—32)



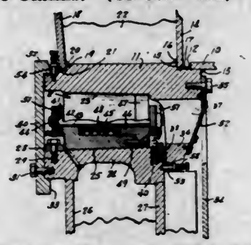
3. An electric energy translation device comprising an envelope having elements therein subject to damage when submitted to shock, a base for engaging a socket to connect said device to a source of electrical energy, and a metallic dampening sleeve of woven wire braid cemented to said envelope and connected to said base for suspending the latter in spaced relation to said envelope and for absorbing shock applied to said base to prevent transmittal of the shock to the envelope and damage to the elements therein.

2,354,643
HEATER FOR FLUIDS
Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 19, 1942, Serial No. 427,346
12 Claims. (Cl. 122—356)



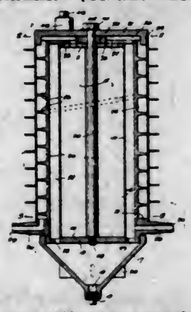
1. A heater for fluids comprising, in combination, a radiant heating zone having a fired wall and an opposite unfired wall, a bank of tubular fluid conduits disposed adjacent the unfired wall, means for projecting flames and hot combustion gases into said zone from adjacent one end thereof over the surface of said fired wall in radiant heat-transmitting relation to said fluid conduits, a separate radiant heating zone disposed between said unfired wall of the first named zone and a separate wall spaced therefrom in a direction opposite to that of said fired wall, an additional wall between said unfired wall and said separate wall, tubular fluid conduits disposed in said separate heating zone adjacent said unfired wall and adjacent said separate wall, means for directing combustion gases from that end of the first named zone remote from the source of said flames and hot combustion gases into and through said separate heating zone in contact with one side of said additional wall and means for firing the opposite side of said additional wall.

2,354,644
REVOLVING TURRET ASSEMBLY AND ANCHORAGE
Edward Balstad, Philadelphia, Pa.
Application May 6, 1943, Serial No. 485,837
8 Claims. (Cl. 308—231)



1. In a turret construction of the character described, a movable trackway formed with a roller raceway, a stationary trackway spaced from said movable trackway and formed with a roller raceway opposite to said raceway on said movable trackway, a roller bearing assembly received in said raceways, holding clips carried by said trackways at the outer peripheries thereof, and constituting a closure for the space between said trackways, said holding clips being anchored to one of said trackways, an oil seal associated with the other of said trackways and said clips, a closure for the space of said trackways at their inner peripheries, and an oil seal associated with said last mentioned closure.

2,354,645
FILTER
Paul Bateman, San Diego, Calif.
Application March 3, 1941, Serial No. 381,468
3 Claims. (Cl. 210—150.5)

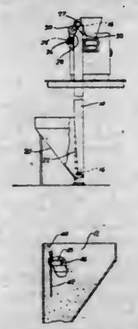


1. A continuous filter, comprising a casing including an upright imperforate wall and top and bottom members connected to the upper and lower ends of said wall, a screen member extending vertically and intermediately within said casing and in connection at its upper and lower ends, respectively, with said top and bottom members, said screen member being spaced from the casing wall and dividing the casing into a fluid receiving chamber at one side of the screen member between the same and the casing wall, and a filtrate chamber at the other side of the screen member, means forming a fluid inlet into the lower portion of said receiving chamber to initially project entering fluid directly against the screen member for passage through the latter into the filtrate chamber, a cooling shell spaced externally of the casing wall between said top and bottom members and forming therewith an external cooling chamber, means forming in the top member a transfer passage for screened fluid from the upper portion of the filtrate chamber into the upper portion of said cooling chamber, means forming a fluid outlet communicating with the lower portion of said cooling chamber, means in the top member and forming a fluid by-pass between the upper portions of the fluid receiving chamber and the cooling chamber, a valve normally closing said by-pass and opening under excessive pressure in the receiving chamber for direct flow of fluid therefrom to the cooling chamber, and a sludge receiver below the bottom member and in communication, through openings in the latter, with the lower portion of the receiving chamber.

2,354,646
HIGH OCTANE MOTOR FUEL AND METHOD OF PRODUCING SAME
Richmond T. Bell, Deerfield, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application March 29, 1941, Serial No. 385,869
6 Claims. (Cl. 44—60)

1. The method for simultaneously converting "doctor" sour to "doctor" sweet sulfur compounds present in hydrocarbon motor fuel and increasing the octane rating thereof, which comprises adding to the motor fuel a small amount of tetracarbonyl of metal selected from the class consisting of iron and cobalt, reacting the metal tetracarbonyl with the mercaptans in said fuel at a temperature of approximately 90–100° C. and allowing the metal-containing reaction products to remain in solution in the motor fuel.

2,354,647
SAWDUST BURNER FEEDER
Ronald Hough Blusson, Vancouver, British Columbia, Canada
Application April 3, 1942, Serial No. 437,566
6 Claims. (Cl. 198—37)



1. A feeder device for sawdust burners having relatively small hoppers, comprising a large storage hopper remote from the burner, a tubular casing extending from the storage hopper to the burner hopper, said casing communicating with the interior of each hopper, an endless belt in the casing and extending over pulleys at each end thereof, a plurality of paddles projecting outwardly from the belt, means for moving the belt over the pulleys to convey sawdust on the paddles from the storage to the burner hopper, a plate hingedly mounted in the burner hopper for controlling the belt moving means in accordance with the amount of sawdust in said hopper, and a wire extending outwardly and downwardly from each side of the plate in the space between the sides thereof and the walls of the hopper.

2,354,648
DRILLING MUD
Donald C. Bond, Northbrook, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application November 6, 1939, Serial No. 303,024
22 Claims. (Cl. 252—8.5)

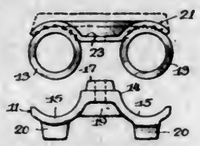
3. The process of drilling wells which comprises circulating through the well bore during the drilling operation, mud containing colloidally dispersed particles to which has been added material which is normally positively charged when dissolved in water and selected from the group consisting of acid proteins, basic dyes and salts of metals wherein the metal has a positive valence of three or more, in sufficient quantity to produce positively charged colloidally dispersed particles.

2,354,649
DENTAL SYRINGE
Robert E. Bruckner, Vineland, N. J., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application February 8, 1943, Serial No. 475,151
In Canada March 4, 1942
4 Claims. (Cl. 128—218)



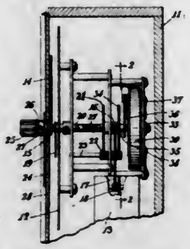
1. A dental syringe or the like, comprising a container for a liquid, a piston in said container, a plunger separate from said piston and adapted to move said piston longitudinally of the container to eject liquid therefrom, said plunger comprising a two-part rod, the diameter of said plunger being less than that of said container, and a swivel connection between the parts of the rod.

2,354,650
METHOD OF MAKING ENDLESS TRACK TREADS
Frank E. Burgess, Geneva, Ill., assignor to Burgess-Norton Manufacturing Company, Geneva, Ill., a corporation of Illinois
Original application March 8, 1942, Serial No. 435,208. Divided and this application April 12, 1944, Serial No. 530,649
1 Claim. (Cl. 29—148.3)



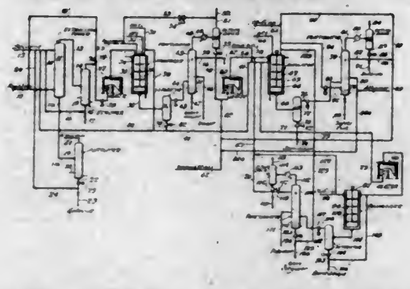
The method of fabricating a tread block consisting of two laterally spaced steel tube sections, an upper plate formed with curved marginal channels adapted to partially surround the upper surfaces of said tube sections in closely fitting relation, and a bottom shoe formed with marginal channels adapted to partially surround the bottom surfaces of said tube sections, which consists in initially securing said upper plate to said tube sections by metallic fusion along the meeting surfaces of said marginal channels, applying said bottom shoe to said assembly with the central portions of said upper plate and bottom shoe in spaced relation to form a unitary pivot bearing assembly, and thereafter securing said bottom shoe to said assembly under clamping tension by compressive fastening means connecting the central portions of said upper plate and said bottom shoe respectively.

2,354,651
SWITCH CONTROL
Arnold Buttner, Flushing, N. Y.; assignor of one-half to Trump Products Corporation, New York, N. Y.
Substituted for abandoned application Serial No. 385,516, March 27, 1941. This application December 13, 1943, Serial No. 514,133
3 Claims. (Cl. 200—38)



1. A time switch of the class described, comprising, in combination, a switch housing rotatably mounted in a frame, contact springs secured to said frame, and contact rings disposed in the switch housing and adapted to engage said contact springs, a switch member arranged in the switch housing and cooperating with a contact ring, a stationary contact mounted in said switch housing and cooperating with a second contact ring and the switch member upon closing of the circuit, an extension upon the housing forming a guide for a fixed arm and providing a stop for the spring arm.

2,354,652
HYDROCARBON CONVERSION
Don R. Carmody, Whiting, Ind., and Bernard L. Evering and Edmond L. d'Ouville, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application July 28, 1939, Serial No. 287,089
10 Claims. (Cl. 260—683.4)



1. A process for the production of high anti-knock motor fuels which comprises isomerizing a substantially saturated naphtha in the presence of an aluminum halide of the class consisting of $AlCl_3$ and $AlBr_3$ to form normally liquid isomerized hydrocarbons, normally gaseous hydrocarbons and an aluminum halide-hydrocarbon complex, separating said complex from said hydrocarbons and reacting isoparaffinic hydrocarbons with olefinic hydrocarbons in the presence of said complex as a catalyst.

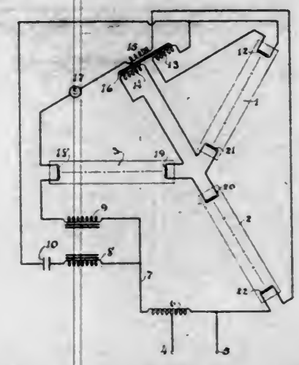
2,354,653
IMPELLER
Wayne H. Allen, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application June 11, 1940, Serial No. 339,911
3 Claims. (Cl. 230—134)



1. Impeller for centrifugal compressors comprising a disk and a plurality of circumferentially spaced blades integrally formed with the front of the disk, each blade having inner and outer surfaces concave-shaped when viewed from the back of the disk and forming parts of concentric spheres.

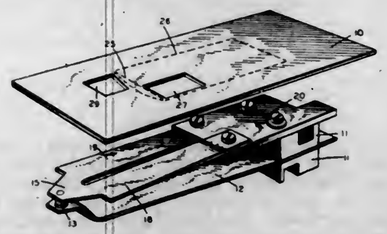
2,354,654
ELECTRIC DISCHARGE DEVICE CIRCUIT
Matthew C. Abbott, Ipswich, Mass., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application February 6, 1942, Serial No. 429,793
4 Claims. (Cl. 315—138)

1. A circuit for the operation of three-arc discharges of equal magnitude in electrical gaseous discharge devices having at least three electrodes and in which there is present a leading current arc discharge component, a lagging current arc discharge component, and an arc discharge current in resultant phase with respect to said leading and lagging currents; said circuit including: an inductive impedance ballast for the lagging current arc discharge component; a capacitive impedance ballast for the leading current arc discharge component; and an arrangement for producing said resultant phase arc discharge; said arrangement comprising a combination of said inductive and capacity impedances such as to dis-



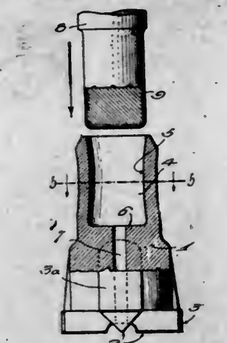
place the arc discharge current components from each other so that the magnitude of their vector sum is equal to either of the magnitudes of the two components, whereby said resultant phase arc discharge is controlled jointly by the current of said leading and lagging arc discharge components.

2,354,655
THERMOSTATIC DEVICE
Victor G. Anderson, New Rochelle, and Leonard Muller, Merrick, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 27, 1941, Serial No. 400,044
12 Claims. (Cl. 314—63)



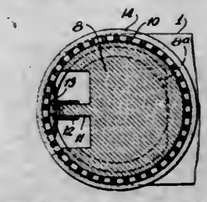
10. A thermostatic device for positioning a thermal source, said device having a moving element constructed of bifurcated sheet metal, forming two extending arms the open ends of which spread in opposite directions from a juncture to a fixed support, one arm of said sheet being differentially expanded by the greater exposure of said arm to the controlled thermal source than the other arm, whereby the juncture of said arms is moved in one direction and the other arm of said strip being expanded by the greater exposure of said other arm to said influence whereby said juncture is moved in the other direction, a control element at the juncture of said strips positively displaced in one direction or the other as one strip or the other is exposed to said thermal influence, and means controlled by displacement of said element in either direction for selectively displacing said source in one direction or the other.

2,354,656
DRILL BIT
Griffith Annesley, New York, N. Y.
Application January 5, 1942, Serial No. 425,693
7 Claims. (Cl. 287—126)



2. In a percussive drill, a drill bit and a drill rod, said drill bit comprising a forged cutting head of relatively non-deformable material and a socket of relatively deformable material, a drill rod having an end portion of relatively non-deformable material, said socket having curved annular convex shaped internal and deformable walls which upon insertion of the non-deformable end of said drill rod tend to intimately contact the end of the drill rod in continuous annular zones throughout substantially the entire non-deformable end thereof for establishing a frictional connection therebetween.

2,354,657
SHAVER
Ralph G. Arey, Swampscott, Mass.
Application August 27, 1940, Serial No. 354,361
25 Claims. (Cl. 30—43)

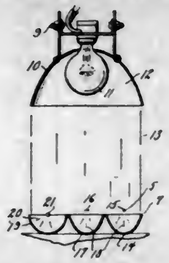


16. A dry shaver comprising a core, a reticulate shield rotatably mounted thereon and adapted to be rolled on the skin, and a thin, ribbon-type razor blade held on said core in a relatively stationary position and in flatwise relation to the inner face of such shield and said core having a longitudinal rib supporting said razor-blade for substantially the full length of the rotary shield.

2,354,658
RADIANT HEAT TREATING AND APPARATUS THEREFOR
Ira J. Barber, Fostoria, Ohio, assignor to The Fostoria Pressed Steel Corporation, Fostoria, Ohio, a corporation of Ohio
Application May 14, 1941, Serial No. 393,362
1 Claim. (Cl. 219—34)

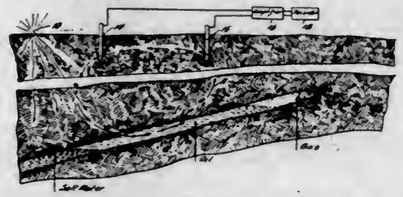
Apparatus for heat-treating elongated objects comprising: a plurality of trough-shaped reflectors positioned substantially in side-by-side relationship, so as to form a bank of reflectors, and

facing in the same general direction; radiant-heater means opposite the open faces of the trough-shaped reflectors; reflector means associated with said radiant-heater means and constructed and arranged to distribute substantially



evenly, and to direct generally perpendicularly, to all portions of said bank, the radiations from said radiant-heater means, and means for supporting the elongated objects to be heated to lie along and in the zones to which the radiations are focussed by said trough-shaped reflectors.

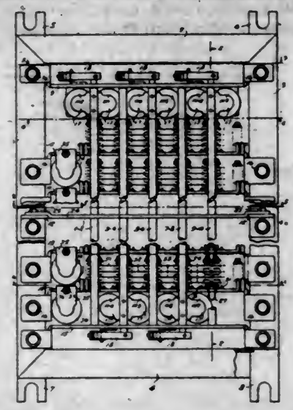
2,354,659
SEISMIC SURVEYING
Willis Oliver Bashaw and Josephus O. Parr, Jr., San Antonio, Tex., assignors to Olive S. Petty, San Antonio, Tex.
Application June 13, 1942, Serial No. 446,966
2 Claims. (Cl. 181—0.5)



1. A method of geophysical exploration for use in the location of subterranean porous formations permeated by fluid, comprising the steps of propagating seismic waves beneath spaced points in the vicinity of the earth's surface, whereby the fluid is subjected to pressure and caused to flow within the porous formation, detecting the potential difference developed between such points by electric current flow resulting from such fluid flow and amplifying and recording the potential difference.

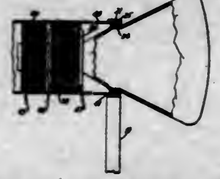
2,354,660
AUTOMATIC TELEPHONE SWITCH AND SYSTEM
John I. Bellamy, Brookfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application July 20, 1942, Serial No. 451,565
39 Claims. (Cl. 179—22)

1. In combination, a group of switches mounted in a row extending in a first direction, each switch having a plurality of stackups of contacts arranged thereon in a row extending in a second direction, the contact sets on the several switches being in rows extending in the first direction, each of said switches having selecting fingers movably mounted thereon respectively adjacent the stackups of such switch, selecting shafts, each stub shaft extending along a row of said fingers in the first direction, means for selectively actuating said shafts, means responsive to the actuation of any shaft for moving all of the fingers in the row along which such shaft ex-



tends, each of said switches having a magnet, and means responsive to the energization of the magnet of any switch for operating any stackup thereof, depending upon the adjacent one of said fingers having been moved.

2,354,661
CATHODE-RAY TUBE AND ASSEMBLY
Anatole P. Berejkoff, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 18, 1942, Serial No. 435,219
8 Claim. (Cl. 250—141)

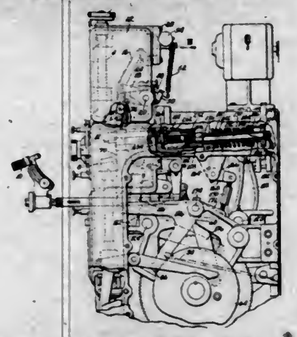


1. An apparatus assembly comprising a cathode ray tube which includes a stem portion and an enlarged bulbous portion, said bulbous portion being centrally deformed to provide an externally accessible shoulder formed integral with said stem portion and said bulbous portion at a region which surrounds the center of gravity of the tube, and means engaging the said shoulder for supporting the tube in the said assembly.

2,354,662
METHOD OF SIZING PAPER
Robert S. Bryce, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 16, 1941, Serial No. 402,719
6 Claims. (Cl. 117—156)

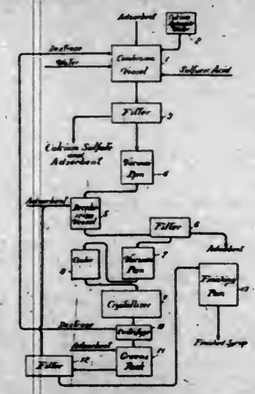
1. A method of sizing paper which comprises treating it with gelatin and a dihydroxymethyl urea both in dilute aqueous solution and subsequently subjecting the paper to a temperature which will liberate formaldehyde from the dihydroxymethyl urea without decomposing the cellulose of the paper.

2,354,663
LASTING MACHINE
Philip E. Burby, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 18, 1942, Serial No. 458,850
35 Claims. (Cl. 12—14)



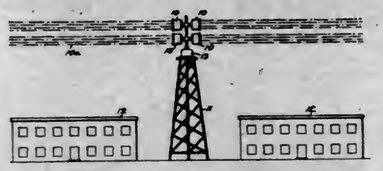
1. In a lasting machine, wipers for wiping the toe-end portion of an upper on a last heightwise of the last and then inwardly over an insole on the last, and a retarder for clamping the upper on the wipers at the end and the sides of the toe, said retarder being arranged to be tipped by the shoe to a position inclined relatively to the shoe bottom for clamping the upper on the wipers first at the end of the toe and thereafter to be tipped reversely to a position substantially parallel to the shoe bottom in the wiping of the upper heightwise of the last to cause it to clamp the upper on the wipers also at the sides of the toe.

2,354,664
CONVERSION OF DEXTROSE TO LEVULOSE
Sidney M. Cantor, Riverside, and Kenneth C. Hobbs, Berwyn, Ill., assignors to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
Application August 3, 1940, Serial No. 350,820
10 Claims. (Cl. 127—36)



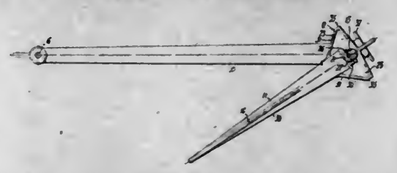
1. Process for the production of a levulose containing syrup which comprises: mixing with a dextrose containing solution of a density of 10°–15° Brix an adsorption agent and a sufficient amount of an alkaline catalyst to give the solution a pH of 9.0–10.5; heating the solution, with agitation, at a temperature of 104°–140° F. for 5–8 hours; neutralizing the converted liquor to a pH of 4.0–5.0; filtering the neutralized liquor to remove precipitated and suspended solids; concentrating the liquor to a density of 20°–27° Baumé at a temperature not in excess of 140° F.; treating the liquor with an adsorption agent and filtering the liquor; concentrating the filtered liquor to a density of 38°–41° Baumé at a temperature not in excess of 140° F.; cooling the liquor; crystallizing the same in motion for the production of solid dextrose; and removing the solid dextrose from the solution.

2,354,665
METHOD FOR PROTECTING AGAINST ATTACKING AIRCRAFT
Joseph H. Church, United States Army, Austin, Minn., and Edward A. Ruestow, United States Army, Cleveland, Ohio
Application June 22, 1942, Serial No. 447,970
2 Claims. (Cl. 240—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



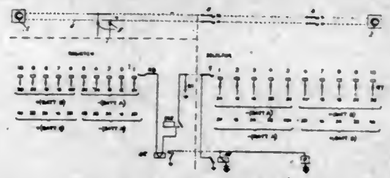
1. The method of concealing an object from an observer by creating between said object and observer a stroboscopic light screen having alternate sections of different light intensity which comprises, producing a light beam whose intensity varies in cycles of selected frequency, rotating said light beam in a plane intersecting the line of vision between said object and observer at a frequency approximately equal to a harmonic or subharmonic of the selected frequency and sufficiently high to maintain persistence of vision.

2,354,666
TWIN-FLUKE ANCHOR
Richard S. Danforth, Berkeley, Calif.
Application January 5, 1942, Serial No. 425,591
2 Claims. (Cl. 114—208)



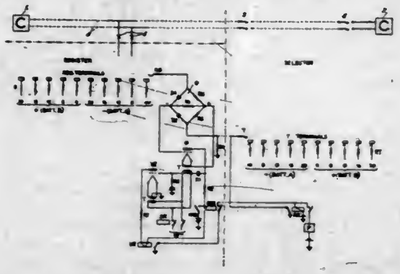
1. An anchor comprising a stock; a shank; a pair of flukes extending generally in a common plane and pivoted at one end of said shank; and a crown joining said flukes together and having ground-engaging portions, each of said portions including a portion sloping rearwardly away from the plane of the flukes at an angle to the plane of the flukes of between 25° and 45° and having a portion extending rearwardly from said first-mentioned portion to provide a substantially flat face approximately parallel to the plane of the flukes and spaced from the plane of the flukes and effective, when the anchor is drawn over bottom, to raise the crown end of the anchor and so rotate the flukes on their pivot without greatly increasing the resistance to burial of the anchor.

2,354,667
ELECTRIC SELECTION CONTROLLING CIRCUIT
Gerald Deakin, New York, N. Y., and Henry F. Herbig, Madison, N. J., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 6, 1943, Serial No. 485,828
13 Claims. (Cl. 179—18)



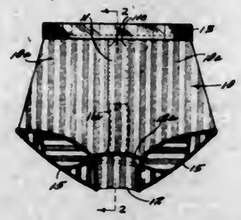
1. In combination, a selector switch having two sets of cooperating contacts, a magnet for operating said contacts, a register comprising a switch having a plurality of terminals and a brush adapted successively to engage them, means for operating the brush to engage any terminal, a relay in said register, a control circuit extending from the brush of the register to the first set of contacts of the selector and including the relay, a source of potential, connections for applying the same potentials to the terminals and to the second sets of selector contacts, there being a predetermined difference between potentials applied to adjacent terminals and adjacent contacts, said relay being arranged to respond only when the first set of selector contacts and the register brushes engage contacts and terminals, respectively, to which the same potentials are applied, and an operating circuit for the magnet controlled by said relay.

2,354,668
ELECTRIC SELECTION CONTROLLING CIRCUIT
Gerald Deakin, New York, N. Y., and Henry F. Herbig, Madison, N. J., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 6, 1943, Serial No. 485,830
9 Claims. (Cl. 179—18)



1. In combination, a selector switch having a plurality of first contacts and a second cooperating contact, a magnet for controlling the contacting of the second with any of the first contacts, a register having a plurality of first contacts and a second contact, means for controlling the engagement between the first and second register contacts, a relay for said register having a contact for controlling the magnet, a vacuum tube in said register having a cathode, a grid and an anode, a source of potential, connections for applying the same potentials to the first contacts of the register and selector, there being a predetermined difference between the potentials applied to adjacent first contacts, an energizing circuit for said relay controlled by said vacuum tube, a circuit connecting the second contacts of the register and selector, and connections from the last-mentioned circuit to the grid and cathode of said tube.

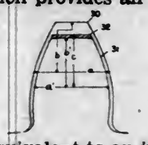
2,354,669
UNDERGARMENT
Eleanor Donaldson and Franklin Chatfield, Minneapolis, Minn.; said Chatfield assignor to Munsingwear Inc., Minneapolis, Minn., a corporation
Application August 4, 1941, Serial No. 405,328
4 Claims. (Cl. 2—224)



1. An undergarment having in combination, a comparatively narrow band at its top stretchable circumferentially and adapted to surround the waist of the wearer, said garment having short leg portions and a crotch piece of considerable length and width having its front and rear ends substantially the same distance from said band, said crotch piece being stretchable freely laterally but being substantially non-stretchable longitudinally, a front portion extending from said band to said crotch piece having a narrow central zone, said zone being non-stretchable laterally and longitudinally and extending from said band approximately half the distance to said crotch piece, a rear seat portion of less width than the width of said garment extending from said crotch piece to said band and extending outwardly and upwardly from each side of said crotch piece and then extending substantially rectilinearly to said band, said seat portion being freely stretchable vertically but being substantially non-stretchable laterally, said front portion extending from either side of said narrow zone to the sides of the seat portion and being freely stretchable laterally at each side of said zone but substantially non-stretchable vertically, said narrow zone comprising superposed layers, one of which is of material non-stretchable in either direction and terminates at the bottom of said zone, said plurality of layers continuing below said zone to said crotch piece and having free edges to form a slit opening, said slit opening being of such length and width that no opening at the front will appear when said front is fully stretched laterally.

2,354,670
GEAR FINISHING
Robert S. Drummond, Detroit, Mich.
Application October 23, 1939, Serial No. 300,881
2 Claims. (Cl. 90—1.6)

1. The method of finishing a series of identical gears with a gear-like cutter having teeth provided with grooves forming cutting edges in the faces thereof; said tool, in new condition, being shaped to form a desired profile on the teeth of said gears, which comprises: running said tool in mesh at limited crossed axes sequentially with a number of said gears while relatively translating said tool and gears until said cutting edges become dulled, regrinding the faces of said tool teeth to resharpen said cutting edges, thereby reducing the chordal thickness of said tool teeth by about .004 inch, reducing the outside diameter of said tool by an amount which provides an increased "addendum height" equivalent to an increase in "addendum height" of between .002 and .010 inch for a 7–9 pitch cutter, and continuing the finishing of gears of said series of identical gears with periodical resharpenings accompanied by provision of like increases in "addendum height" until said tool is expended by reason of insufficient remaining depth of grooves and with a decreased distance between centers of the tool and the gears after each resharpening to provide for reduction of the chordal thickness.



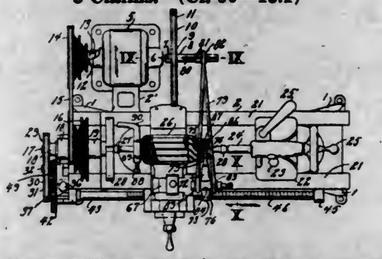
2,354,671
INSOLUBLE NITROGENOUS RESIN FROM POLYPHENYLOL SULPHUR COMPOUNDS
John W. Eastes, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 9, 1941, Serial No. 387,684
12 Claims. (Cl. 260—45)

1. An insoluble nitrogenous resinous composition suitable for the absorption of acidic constituents from fluids and for ion exchange which comprises the product obtained by reacting by condensing together in an aqueous medium a polynuclear methylol-forming phenol having phenylol groups joined through sulphur, one-half mol to two mols of an alkylene polyamine per phenylol group, and formaldehyde in an amount at least equivalent to each phenylol group and to the mols of polyamine, continuing the reaction of these three components until a hydrophilic gel forms, and heating said gel between about 70° C. and the scorching temperature of the resulting resin until said resin is insoluble in dilute strong acids, said resinous composition being further characterized by physical strength, suitability for use in columns, high capacity for absorbing acidic constituents, and stability during repeated use and regeneration.

2,354,672
NITROGENOUS RESIN FROM CATECHOL TYPE TANNINS
John W. Eastes, Philadelphia, Pa., and Charles Averill, Boston, Mass., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 9, 1941, Serial No. 387,685
17 Claims. (Cl. 260—45)

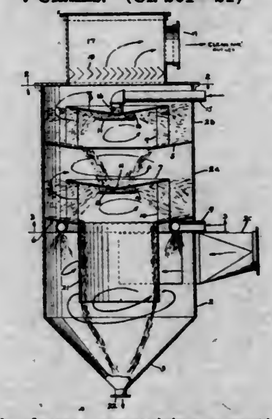
1. An insoluble nitrogenous resinous composition suitable for ion exchange which comprises the product obtained by reacting by condensing together in an aqueous medium a tannin of the catechol type, from 0.23 up to 2 parts by weight of an alkylene polyamine to one part of said tannin, and formaldehyde in an amount such that the mols thereof equal at least the sum of mols of polyamine and of phenolic bodies from the tannin, continuing the reaction of the three components until a hydrophilic, resinous gel is formed, and heating said gel between about 70° C. and the scorching temperature of the resulting resin until said resin is insoluble in dilute strong acids, said resinous composition being further characterized by hardness, suitability for use in columns and large scale apparatus, capacity for absorbing acidic constituents from fluids, and stability during repeated use and regeneration.

2,354,673
MACHINE TOOL
Louis Fabian, Toledo, Ohio, assignor to Stephen Lovrenchich, Toledo, Ohio
Application May 14, 1941, Serial No. 393,349
3 Claims. (Cl. 90—15.1)



1. For a lathe embodying a frame, opposing work holders mounted on the frame, a feed screw extending longitudinally of the frame, a carriage moved by the feed screw, a motor mounted on the frame for driving said feed screw, said motor having an extended shaft whereon driving means may be placed, the combination of a milling cutter and shaft mounted on the carriage, a pulley on the cutter shaft, a pulley on the motor shaft adjustable toward and from the motor, and a belt between said pulleys, the position of said adjustable pulley being medially of the extreme movements of the cutter pulley in cutter operation.

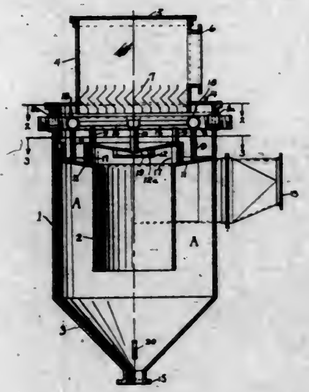
2,354,674
AIR AND GAS WASHER
Ernest F. Fisher, Passaic, N. J.
Application November 27, 1940, Serial No. 367,312
7 Claims. (Cl. 261—21)



7. An air cleaner comprising a vertically positioned casing, a ring baffle having its outer edge

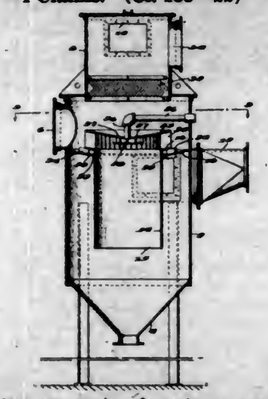
contacting the casing, a concentrically positioned solid disc baffle larger than the opening in the ring baffle so as to overlap the inner portion thereof and cover completely the opening in the ring baffle, vertically positioned angularly placed vanes between the overlapping portions of the solid disc baffle and ring baffle, means for creating a cyclonic swirl in the zone surrounded by said angular vanes, a liquid spreading plate below the solid disc baffle and substantially smaller than the hole in the ring baffle and positioned in the vortex of said cyclonic swirl and serving to confine liquid between itself and the solid disc baffle and to project liquid into said swirl and into and over the entire surfaces of the angular vanes, and a conduit for supplying liquid to said liquid spreading plate.

2,354,675
DUST COLLECTION AND REDUCTION APPARATUS
Ernest F. Fisher, Passaic, N. J.
Application December 2, 1941, Serial No. 421,323
2 Claims. (Cl. 183—22)



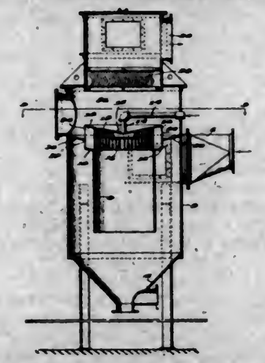
1. A dust reduction and collection apparatus, comprising in combination a vertical casing, a tangential inlet for admitting dust laden air to said casing, a large open-ended cylinder vertically positioned in said casing, at about the level of the tangential inlet and defining a large annular swirling space between itself and the casing, a ring baffle at the upper part of said cylinder and extending to the inner wall of the casing, above the tangential inlet a solid disk baffle, larger than said cylinder and positioned above the upper end thereof, and overlapping said ring baffle, impingement vanes positioned between the overlapping portions of the disk baffle and ring baffle, said disk baffle being provided with a central aperture, a water distributing plate substantially smaller than said solid disk baffle and directly below said disk baffle and below said central aperture therein and positioned directly in the path of water issuing downwardly from said aperture, means for delivering water through said aperture onto said distributing plate, which serves to direct it laterally into and over the entire surface of said impingement vanes, means passing through said ring baffle for spraying water into the upper part of said large annular swirling space, and an outlet for cleaned air in the upper part of said casing.

2,354,676
GAS CLEANER
Ernest F. Fisher, Boston, Mass.
Application May 26, 1942, Serial No. 444,583
4 Claims. (Cl. 183—22)



1. Cleaning apparatus for air or gas, comprising in combination a casing, an open-ended tube positioned vertically therein, an air inlet in the casing adjacent said tube, a ring baffle surrounding and spaced from the upper end of said tube, thereby defining an annular liquid inlet adjacent the outside wall of said open ended tube, a centrally positioned solid disc baffle above and spaced from the upper end of said tube, swirling vanes positioned between the outer edge of said disc baffle and the upper end of said tube, a liquid spreader plate positioned centrally below the disc baffle, a pipe for delivering water under pressure to said spreader plate whereby the water is confined between the disc baffle and spreader plate and is projected laterally over the entire surfaces of said swirling vanes, said ring baffle serving to collect water and sludge washed from the inner wall of the casing and to direct such water and sludge into and through said annular liquid inlet to the outside wall of the open-ended tube, and an outlet for cleaned air in the upper part of the casing.

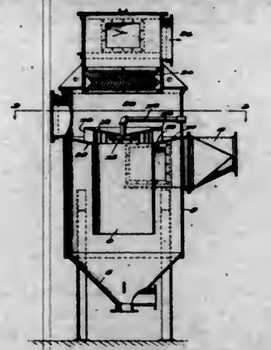
2,354,677
AIR AND GAS CLEANER
Ernest F. Fisher, Boston, Mass.
Application June 1, 1942, Serial No. 445,324
6 Claims. (Cl. 183—25)



1. A gas cleaner, comprising in combination, a vertically positioned casing, a tangential air inlet for said casing, a large vertically positioned

open-ended tube in said casing, a disc baffle above the upper end of said tube, swirling vanes positioned between the outer portion of the disc baffle and the upper part of said tube, liquid spreading means below the disc baffle, for directing liquid laterally and outwardly into said swirling vanes, a liquid supply pipe passing through the disc baffle for supplying liquid under pressure to said liquid spreading means and a baffle ring extending from the inner wall of the casing to said swirling vanes, substantially meeting said vanes at points between their upper and lower edges, said ring serving to split the outwardly traveling liquid and gas into two portions, the air that passes below the baffle ring being forced to recirculate through the said large open-ended tube.

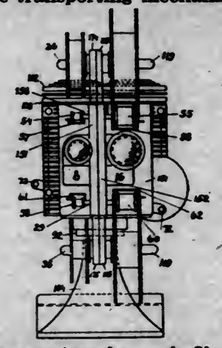
2,354,678
GAS CLEANER AND WASHER
Ernest F. Fisher, Boston, Mass.
Application June 1, 1942, Serial No. 445,325
4 Claims. (Cl. 183—25)



1. An air cleaner, comprising in combination a vertical casing, a large tube vertically positioned therein, a tangential air inlet for said casing, a baffle ring positioned between the upper part of said tube and the inner wall of the casing, a disc baffle larger than the opening in the baffle ring so as to overlap a portion thereof, swirling vanes positioned between the overlapping portions of the disc baffle and the baffle ring, means for projecting liquid laterally through the swirling vanes, the baffle ring being provided with holes therein, located between the lower edges of the swirling vanes, said holes opening into the tangential air inlet chamber, through which holes air is passed upwardly into the laterally travelling air and water thereabove.

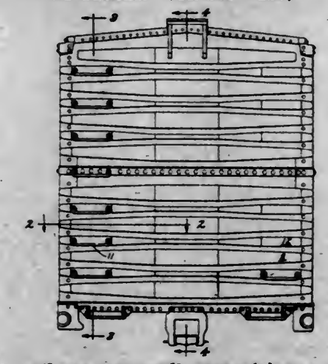
2,354,679
PROJECTOR
Leo Frankel, Chicago, Ill.
Application July 1, 1940, Serial No. 343,487
30 Claims. (Cl. 88—17)

3. In a projector of the character described, a light housing, a light source in said housing, a gear housing secured to said light housing and having a plurality of shafts projecting entirely therethrough so as to extend at opposite sides thereof, feed and take-up mechanism for films of different sizes on opposite projecting ends of said extending shafts, a gear train disposed in the gear housing connecting said shafts to drive the same at predetermined related speeds, an electric motor for driving said gear train, a transport mechanism for each film synchronized with said extending shafts whereby to permit effective transporting of either film without adjustment of any of the transporting mechanism therefor,



a separate lens system for each film and means for directing light from the light source to either one of said lens systems while shielding the light from the remaining lens system.

2,354,680
RAILWAY CAR END WALL
Garth G. Gilpin, Riverside, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 30, 1942, Serial No. 445,130
14 Claims. (Cl. 105—419)

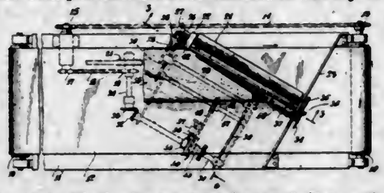


1. A railway car wall comprising a metallic plate adapted to extend between and be secured to spaced apart frame members of the car, said plate formed with a plurality of horizontally disposed sinuous corrugations providing a plurality of cooperating beams extendable between said frame members, every other of said corrugations being formed with end portions shallower than the end portions of the corrugations therebetween and ladder rungs mounted upon said shallower end portions parallel therewith and which project beyond the corrugations therebetween.

2,354,681
BUN MAKING MACHINE
William C. Grimm and Richard H. Linneman, Jersey City, N. J., assignors to Cinnamon Bun Machine Co., Inc., Jersey City, N. J., a corporation of New Jersey
Application January 6, 1943, Serial No. 471,514
15 Claims. (Cl. 107—9)

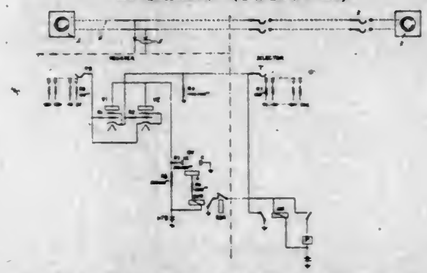
1. In a bun making machine, the combination with means to move an elongated roll of dough

lengthwise along a defined path substantially in the direction of its axis, of a roll shearing device comprising a pair of shear blades mounted to intercept the defined path, each blade having the outer end portion thereof turned inwardly toward



the other blade to engage beyond the roll, and means to move at least one of said blades toward the other so as to engage the end portions thereof around the roll and shear through it with a substantially encompassing action.

2,354,682
ELECTRIC SELECTION CONTROLLING CIRCUIT
Henry F. Herbig, Madison, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 6, 1943, Serial No. 485,827
17 Claims. (Cl. 178—18)

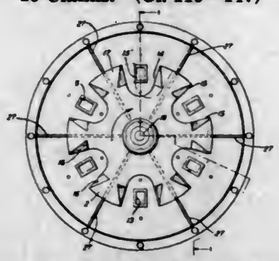


1. In combination, a selector switch having a plurality of first contacts and a second contact, a magnet for controlling the contacting of the second with any first contact, a register having a plurality of first contacts and a second contact, means for contacting the second register contact with any first contact of the register, a control circuit extending from said register to the magnet of said selector, relay means in said register for controlling said circuit, two vacuum tubes in said register each having a cathode, a grid and an anode electrode, a connection from the second register contact to one electrode of the first tube, a connection from the second selector contact to the corresponding electrode of the second tube, a source of potential, connections for applying different potentials to each first contact of the register and selector, and a circuit for operating said relay means jointly controlled by said vacuum tubes.

2,354,683
OXIDATION OF SECONDARY ALCOHOLS
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 1, 1942, Serial No. 441,269
3 Claims. (Cl. 260—596)

1. A process for the direct oxidation of a lower aliphatic secondary alcohol to obtain the corresponding ketone which comprises treating a solution of a metal ion of a metal numbered 25–29, inclusive, of the periodic table in an aliphatic acid with an aldehyde and a gaseous oxidizing medium to form a catalyst solution, introducing material amounts of a lower aliphatic secondary alcohol and a lower aliphatic aldehyde into the activated catalyst solution, oxidizing the alcohol of the resulting solution of catalyst, alcohol and aldehyde by treating said solution with a gaseous oxidizing medium, maintaining the temperature of the solution of catalyst, alcohol and aldehyde during its treatment with the gaseous oxidizing medium such that the solution is maintained in the liquid phase, and subsequently recovering the ketone produced.

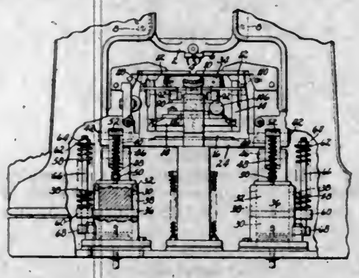
2,354,684
SIREN
Robert C. Jones, Summit, N. J., Horace T. O'Neil, San Diego, Calif., and Edward C. Wente, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 20, 1942, Serial No. 455,522
19 Claims. (Cl. 116—147)



6. A siren comprising a closed chamber forming the stator of said siren and having extending through a wall thereof a plurality of unobstructed apertures through which air passes in the generation of sound waves, the cross-sectional area of said chamber being large compared with the total cross-sectional area of said stator apertures; means for supplying air to the interior of said chamber; a rotatable rotor mounted in said chamber having a portion, disposed in close proximity to said stator apertures and containing a plurality of rotor apertures, adapted to open and close said stator apertures during rotation of said rotor, each of said rotor apertures being at least twice as wide in the direction of movement of said rotor relatively to said stator as each of said stator apertures and adjacent rotor apertures being spaced by a distance at least twice as great as the width of each of said stator apertures in the direction of movement of said rotor relatively to said stator; and, disposed outside of said chamber, a plurality of acoustic horns, one for each of said stator apertures, each acoustic horn communicating with its stator aperture by a throat of substantially the same shape and area as said stator aperture, whereby is provided a substantially smooth and unimpeded path for air through said stator aperture and said horn.

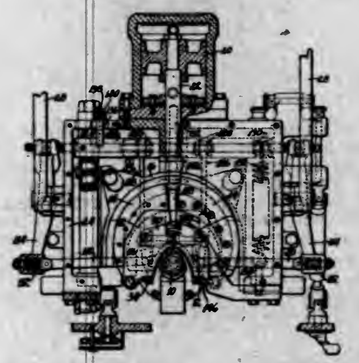
2,354,685
LASTING MACHINE
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 16, 1943, Serial No. 472,557
8 Claims. (Cl. 12—14)

1. In a lasting machine, the combination with means for positioning bottom upward a last having an upper and an insole thereon, of wipers movable to wipe the margin of the upper about an end of the last inwardly over the insole, a support for said wipers, and means movable to raise said wiper support to carry the wipers upwardly into position for thus operating on the



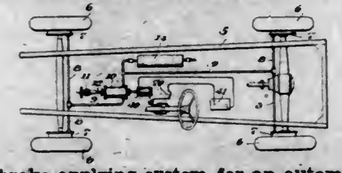
upper, the wiper support being free to move thereafter farther upwardly against the resistance of gravity alone in response to pressure of the upper on the wipers as they are moved inwardly over the insole while said means for raising the support remains stationary.

2,354,686
LASTING MACHINE
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application January 16, 1943, Serial No. 472,557. Divided and this application October 27, 1943, Serial No. 507,842
10 Claims. (Cl. 12—14.1)



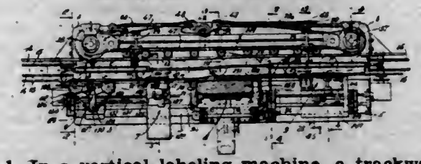
1. In a lasting machine, the combination with wipers for wiping the margin of the toe end of an upper inwardly over an insole on a last, of a substantially U-shaped flexible toe former associated with said wipers for embracing the upper around the toe end of the last and for wiping it heightwise of the last, means for adjusting the portions of said toe former at the sides of the toe relatively to each other in directions widthwise of the last, a member supporting the intermediate portion of said toe former and relatively to which said intermediate portion is movable in directions lengthwise of the last in response to adjustments of the portions at the sides of the toe widthwise of the last, and connections between said member and the portions at the sides of the toe, said member being movable to adjust the toe former bodily lengthwise of the last relatively to the wipers.

2,354,687
BRAKE APPLYING SYSTEM
Glenn Keith, East Detroit, Mich., and Albert H. Kirchner, Washington, D. C.
Application April 28, 1942, Serial No. 440,862
16 Claims. (Cl. 180—82)



6. A brake applying system for an automotive vehicle having an internal combustion engine and an ignition circuit and having a brake, said system including electrical means for applying the brake, a switch movable between terminal open positions and through an intermediate closed position to control the electrical means, said switch being biased toward one of said terminal positions, and a switch in the ignition circuit cooperating with the first switch and movable to open said circuit when the first switch is in intermediate position.

2,354,688
LABELING MACHINE
Wallace D. Kimball, Jackson Heights, N. Y., and Edgar Ardell, Middletown, Conn., assignors to Standard-Knapp Corporation, Portland, Conn., a corporation of New York
Application October 8, 1941, Serial No. 414,196
23 Claims. (Cl. 216—58)

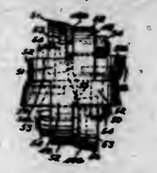


1. In a vertical labeling machine, a trackway for cans in substantially upright position, said trackway including a bottom supporting track, a pair of carrier belts and cooperating can guides for rotating and conveying the cans along said track, said carrier belts being relatively adjustable vertically but fixed in position horizontally, an elongated carriage mounted for horizontal adjustment with respect to said trackway, a label magazine mounted on said carriage for supplying labels in upright position to said trackway, means for adjusting said magazine vertically with respect to said carriage, a gum-applying device mounted on said carriage for applying pick-up gum to the cans before they reach the label magazine, means for adjusting said device longitudinally of said carriage, a timing device mounted on said carriage for admitting cans to said trackway one at a time in spaced relation and means for adjusting said timing device longitudinally of said carriage.

2,354,689
CUTTER MECHANISM FOR TURNING LASTS OR THE LIKE
Alton D. Landers and Fred H. Lindsay, Brockton, Mass., assignors to Woodard & Wright Last Co., East Bridgewater, Mass., a corporation of Massachusetts
Application December 29, 1941, Serial No. 424,742
4 Claims. (Cl. 142—56)

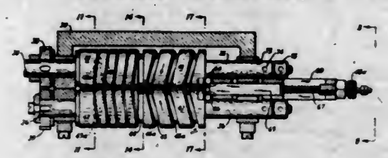
4. Cutting mechanism for turning irregular objects, comprising a rotatable cutter-supporting

member having an end formed with a plurality of webs extending radially of the cutter axis, at least two of said webs having adjacent surfaces disposed at an angle to each other, one of said surfaces



being substantially flat and the other surface being recessed to an extent sufficient to define with said flat surface a seat, and a cup-shaped cutter anchored in said seat.

2,354,690
MECHANISM FOR ASSEMBLING SLIDERS
Birdsall P. Lawson, Providence, R. I., assignor to Pilling Chain Company, Providence, R. I., a corporation of Rhode Island
Application November 5, 1942, Serial No. 464,688
14 Claims. (Cl. 29—208)



1. A mechanism for attaching bails to sliders for separable fasteners, including a pair of oppositely rotating members, a stationary guideway between said members, each of said members having a circumferential spiral groove of a width corresponding substantially to the thickness of a bail, means for delivering a bail to said groove to traverse said guideway in engagement with said groove, with its attaching lugs in uppermost position, said bail-receiving groove terminating in a peripheral slot intermediate the ends of said member, of a width corresponding substantially to the thickness of a slider, a second circumferential spiral groove of the same width as said slot extending to the opposite end of said member, means for delivering a slider to said slot with its lug disposed for entry between the attaching lugs of the bail advanced to said slot by the oppositely rotating members, for the conjoint movement of said bail and said slider longitudinally of said guideway in engagement with said second spiral groove, oppositely operating jaw elements associated with said members at the outer terminus of said second spiral groove coacting to compress the attaching lugs of said bail to connect said bail to the slider lug for relative hinged movement and means for delivering the assembled unit from said mechanism.

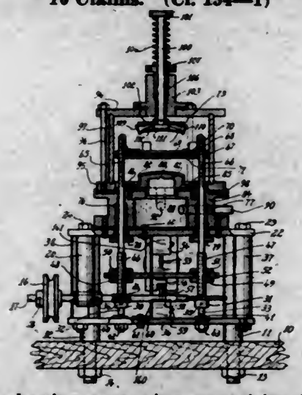
2,354,691
CONTAINER
Michael N. Lebedeff, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application August 14, 1942, Serial No. 454,795
5 Claims. (Cl. 220—3)

1. A sheet metal pressure container, including: a cylindrical shell circular in cross section; a closure for one end of the shell formed substantially entirely of a plurality of intersecting nodular spherical segments, each of said segments having a radius of curvature markedly less than that of the cylinder, the outer of said segments inter-



secting with the cylinder wall throughout its periphery to form an end edge of a series of scallops; and a closure for the other end of the shell.

2,354,692
FILM SHAPING AND LAMINATING DEVICE
Alvin M. Marks, Whitestone, Long Island, N. Y.
Application January 21, 1941, Serial No. 375,151
10 Claims. (Cl. 154—1)

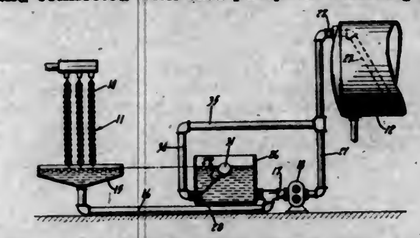


10. A shaping apparatus comprising in combination means for holding a film to be shaped, said means comprising a split ring adapted to firmly grip said film, means for removably gripping said split ring, said means comprising a retaining ring, said retaining ring being mounted on screw threaded rods and being adapted to be moved upwardly or downwardly by the proper rotation of said screw threaded rods, means for rotating said rods, a shaping member, a seat for positioning said shaping member, means for gripping an element adapted to be contacted with said film, means for pressing said element into contact with said film after said film has been drawn and shaped over said shaping member and while said film is still in drawn condition, means for establishing reduced pressure conditions in said apparatus, and means for limiting the upward movement of said retaining ring and means for limiting the downward movement of said retaining ring.

2,354,693
LIQUID CONTROL SYSTEM
William McK. Martin, Maywood, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 13, 1941, Serial No. 422,918
4 Claims. (Cl. 103—41)

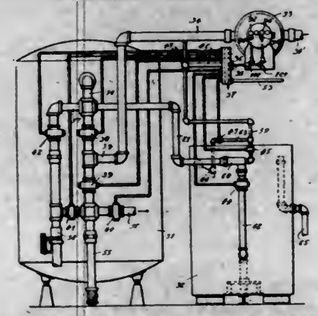
1. In a pipe line system for conveying a liquid from one place to another, the combination of a

trough having an outlet from which the liquid is drawn, a pump connecting with said trough outlet for removing liquid from said trough at a rate of flow in excess of that of the liquid entering the trough, a storage tank located above said trough and connected with said pump for receiving the



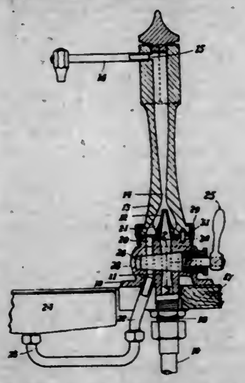
liquid from said pump and from said trough, and means for by-passing the liquid between said tank and said pump and for returning it to the pump when the liquid in said trough reaches a predetermined low level whereby said pump is operated continuously without further reducing the said predetermined low level in said trough.

2,354,694
VALVE AND AUTOMATIC OPERATING MECHANISM THEREFOR
Chester T. McGill and Omar Fred Dubruiel, Elgin, Ill., assignors to Elgin Softener Corporation, Elgin, Ill., a corporation of Illinois
Application June 24, 1939, Serial No. 280,964
5 Claims. (Cl. 210—24)



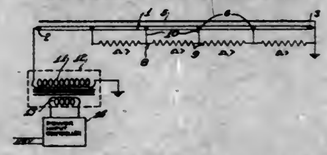
5. An automatic water treating apparatus comprising, in combination, a container for water treating material, means for delivering raw water thereto and conducting treated water therefrom, a meter for measuring the raw water delivered, ejector means operable with water from the raw water delivery means for delivering regenerating material to said container from a source of supply of regenerating material, a plurality of mutually independent hydrostatically operable valves for controlling the flow of water and regenerating material through said container to place the apparatus in treating position or a regenerating position, a master control valve comprising a casing, a multiported stator element, one of said casing and stator element having a hydrostatic pressure port provided therein and the other having a relief port provided therein, and a multiported rotor element arranged to turn with respect to the multiported stator element to establish communication selectively between a certain port or ports in the stator and said hydrostatic pressure port or said relief port, separate and independent hydrostatic pipe connections between the stator ports and the aforesaid valves, a pipe connection between the hydrostatic pressure port and the means for delivering raw water to said container, the aforesaid meter comprising low ratio and high ratio register gears for selectively transmitting drive to said rotor element, the one set of register gears being normally connected and the other disconnected from the rotor element, clutches controlling the driving connections between said register gears and said rotor element, and timing means turning with the rotor element and serving to control the engagement and disengagement of said clutch means, so that the rotor element is operated by the low ratio register gear during the treating period and from the high ratio register gear during the regeneration period.

2,354,695
INJECTOR APPARATUS FOR THE RECOVERY OF SPILLED BEER AND LIKE BEVERAGES
Alexander McGlashan, Glasgow, George Wallace Haycock, Giffnock, and James Stark McMeekin, Glasgow, Scotland
Application July 30, 1942, Serial No. 452,952
In Great Britain August 27, 1941
14 Claims. (Cl. 225—1)



1. In combination with a receptacle for spilled beerclass beverage, a beerclass beverage delivery means comprising a crane with an outlet directed downwards towards the receptacle, an injector incorporated in said crane, a valve on said crane for controlling the supply of beverage under pressure to said injector, a conduit connected with said injector for leading beverage into the crane from the receptacle, and an auxiliary valve arranged in said conduit and connected to the valve aforesaid to open and close substantially in unison therewith.

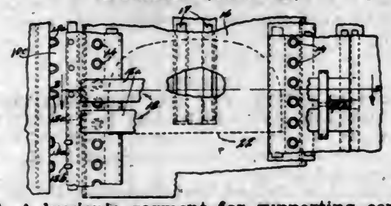
2,354,696
LOW FREQUENCY MOBILE GLOW DISCHARGE SYSTEM
Hal C. Mettler, Los Angeles, Calif., assignor of one-half to Lloyd Spencer, Los Angeles, Calif.
Application November 12, 1940, Serial No. 365,206
20 Claims. (Cl. 315—187)



1. In a mobile glow discharge system: glow discharge tubing having a distributed capacity

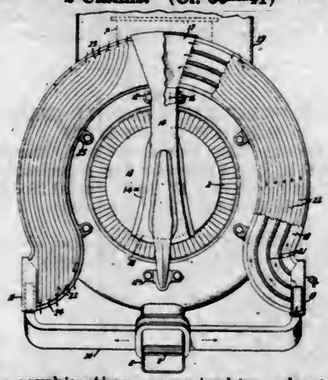
therealong; a plurality of electrodes arranged along said tubing; a resistance network connecting said electrodes; a source of low frequency alternating current connected to the extreme electrodes of said tubing and means for varying the power of said source as applied to said electrodes.

2,354,697
THERAPEUTIC GARMENT
Caroline A. Muller, Minneapolis, Minn.
Application July 22, 1942, Serial No. 451,835
4 Claims. (Cl. 2—27)



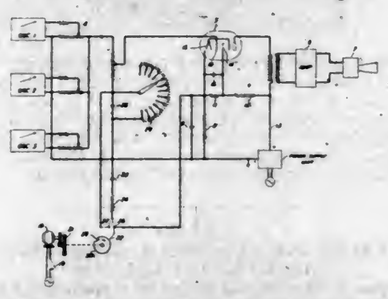
1. A hygienic garment for supporting certain organs in the abdomen having in combination, a fabric sheet adapted to embrace the body adjacent the waist having an opening at its front spaced from the center thereof, readily engageable and disengageable fastening means for connecting the parts of said sheet at each side of said opening, said garment having an opening substantially at its front central portion, means for connecting the edges of said sheet adjacent said last mentioned opening and for varying the size of said opening, a fabric panel extending across said last mentioned opening in the rear of said last mentioned means, a pair of vertically spaced comparatively narrow straps extending across said last mentioned opening at an intermediate point therein and a stiffening means in said panel extending downwardly to substantially the center of the lower of said straps whereby said panel and means will form a backing for a pad or the portion of the body disposed in the rear of said panel to properly distribute pressure thereon and said strap will press against the lower end of said means to give an uplifting effect.

2,354,698
GAS TURBINE
Rollin H. Norris, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 6, 1942, Serial No. 433,626
2 Claims. (Cl. 60—41)



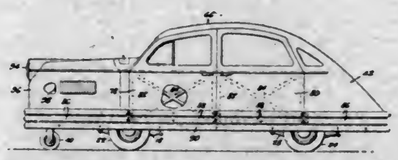
1. In combination, a gas turbine wheel, a nozzle box for supplying gases thereto, a heat exchanger surrounding the turbine wheel, means for directing cooling medium through the heat exchanger and gases from the nozzle box through the heat exchanger, the cooling medium serving to cool the gases, and means for directing the cooled gases against the turbine wheel to cool it.

2,354,699
SOUND GENERATOR
Emmett L. Owens, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 1, 1942, Serial No. 456,879
2 Claims. (Cl. 177—7)



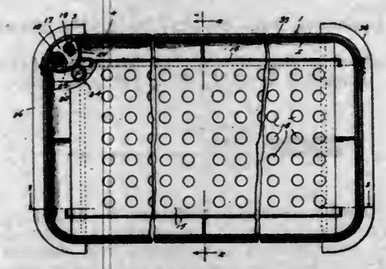
1. In a sound generating system, a source of alternating current, a receiver, an amplifier having an input circuit connected to the source and an output circuit connected to the receiver, a first condenser in the input circuit, a discharge circuit of variable resistance for the condenser, means for normally biasing the amplifier with a potential which blocks transmission through the system, a second condenser, a fixed resistance and means for automatically and at predetermined intervals charging the second condenser from the biasing potential through the fixed resistance and transferring from the second condenser to the first condenser through the fixed resistance uniform charges to unblock the amplifier.

2,354,700
VEHICLE BODY AND FRAME
Joseph Pezzano, Mariners Harbor, Staten Island, N. Y.
Application April 16, 1942, Serial No. 439,262
2 Claims. (Cl. 293—57)



1. An automotive vehicle comprising a frame structure and a body having forwardly and rearwardly tapered front and rear ends, respectively, bumper means extending about the sides and front and rear ends of the frame structure and the body, said bumper means comprising in part one bar extending completely about said frame structure, and the remainder of the bumper means comprising vertically spaced bars spaced vertically of said one bar and secured to the body and doors.

2,354,701
FUEL TANK FOR AIRPLANES
Mario G. P. Pescara, Philadelphia, Pa.
Application June 19, 1941, Serial No. 398,845
9 Claims. (Cl. 220—1)



1. In a fuel tank for airplanes and the like, inner and outer shells in slightly spaced relation one to the other, and a pair of film-like flexible elements interposed between said shells and in sliding contact with the inner opposed faces thereof, one of said sliding flexible elements being adapted to operate transversely and the other longitudinally of said shells with portions of the flexible elements extending transversely across each other in face to face engagement and providing sealing means of double thickness.

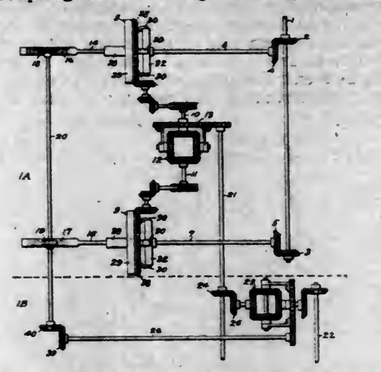
2,354,702
COMPOSITE TAPE
William C. Protz, Manitowoc, Wis., assignor to National Tinsel Manufacturing Company, Manitowoc, Wis., a corporation of Wisconsin
Application February 26, 1943, Serial No. 477,265
9 Claims. (Cl. 28—80)



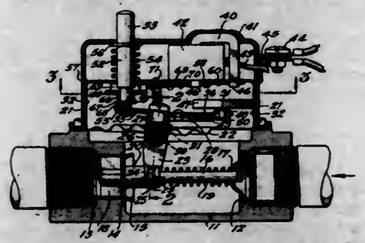
1. A weftless composite tape, comprising a multiplicity of thread-like strands and a relatively narrow strip of paper, said strands and strip being adhesively secured together in edge to edge relation.

2,354,703
SERVO MECHANISM
Arnold Raines, Philadelphia, and Arthur C. Martindell, Hulmeville, Pa.
Application June 22, 1942, Serial No. 448,028
6 Claims. (Cl. 74—388)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In apparatus of the class described, the combination of a source of power, a differential having a pair of input gears, a coupling device having a driving member connected to the said source of power and a driven member connected to one of the said pair of differential input gears to drive the said gear in a predetermined direction, a second coupling device having a driving member connected to the said source of power and a driven member connected to the other of the said pair of differential input gears to drive the said other gear opposite to the said predetermined direction, the degree of engagement between the driving and driven members of both said coupling devices being variable, and manually operated means for varying the degree of engagement of the both said coupling devices in reverse ratio.



2,354,704
ELECTROMAGNETICALLY CONTROLLED OPERATOR
William A. Ray, Glendale, Calif.
Application February 13, 1941, Serial No. 378,756
8 Claims. (Cl. 175—336)

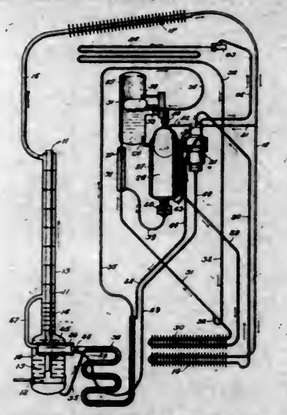


1. In combination: an electromagnet comprising an armature member, a core member and an energizing coil, said core member forming with said armature member a magnetic circuit; said core member being adapted when energized to retain said armature member in engagement therewith only when the members are first mechanically brought together, the energizing coil and magnetic circuit of said electromagnet being so designed that the electromagnet is incapable of attracting said armature member through space; mechanical means operable to move one of said members into engagement with the other; and means responsive to the return of said mechanical means toward its unoperated position for reducing the magnetic flux acting to hold the armature, and comprising means for reducing the electrical energy in the electromagnet acting to produce said armature-holding flux.

2,354,705
REFRIGERATOR CONTROL SYSTEM
Joseph N. Roth, Belding, Mich., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application June 27, 1941, Serial No. 400,089
9 Claims. (Cl. 62—5)

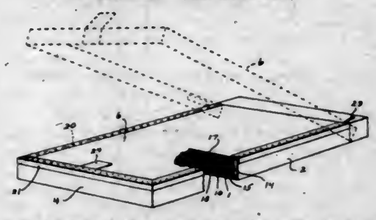
1. Apparatus of the character described for controlling delivery of refrigerant from a high

pressure portion to a low pressure portion of a continuous absorption refrigeration system incorporating means for periodically returning liquor from the low pressure portion to the high pressure portion and wherein the high pressure portion includes a still, including: a capillary tube element designed to receive the entire pressure differential in the system; a valve element



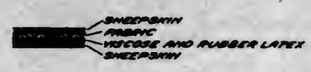
including a valve member adapted to be moved to open or closed position and so constructed as to always remain either in fully open or fully closed position, said elements being parts of a flow path connecting the high and low pressure portions and all of the refrigerant flowing through said path passing through both of said elements; and means for moving said valve member, said means being responsive to a condition in the still.

2,354,706
PHOTOGRAPHIC PACKAGE
Joseph Keen Rulon, South River, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 21, 1940, Serial No. 353,565
3 Claims. (Cl. 206—62)



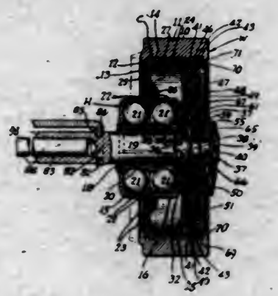
1. A lightproof photographic film package comprising a shallow rectangular box having a hinged cover provided with depending side walls and one end wall the cover being hinged a short distance from the end wall of the box but having the side walls extend to the said end wall of the box, a narrow peripheral channel in said box which coacts with said dependent walls to form a light lock, a plurality of sensitized film sheet elements in said package, an inner and outer protective sheet for said elements, a rip cord extending along the top-side edges and top-front edges of the box, said cord being covered with a tape which extends along the said edges and overlaps the cover and side walls, said cover being provided with a pull tab which is attached to said end wall and is partially covered by said tape.

2,354,707
PROTECTIVE FABRIC
Robert L. Sebastian, New York, N. Y., and Herbert A. Scruton, Baltimore, Md., assignors to United States of America, as represented by the Secretary of War, and his successors in office, in trust
Application June 28, 1933, Serial No. 678,088
1 Claim. (Cl. 154—50)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A flexible material resistant to attack by or penetration by liquid or vaporous vesicants or other chemical warfare agents and suitable for making articles of protective clothing comprising a fabric having a coating of viscose thereon, said coated fabric being positioned between treated layers of sheepskin.

2,354,708
MEASURING WHEEL FOR SKATES
Samuel Segal, Brooklyn, N. Y.
Application July 10, 1939, Serial No. 283,671
11 Claims. (Cl. 235—95)



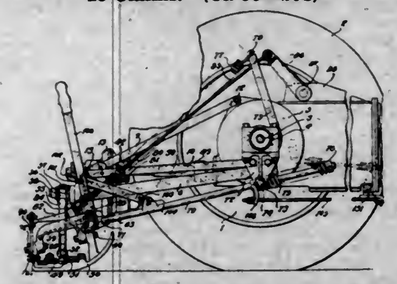
1. As a new article of manufacture and in combination, a non-rotatable shaft, shaft means disengageably interlocked with said shaft and having an eccentric integral therewith and a concentric portion extending laterally of said eccentric and integral therewith, a wheel rotatable relative to said shaft and said shaft means and comprising a shell fixed within said wheel, an insert secured to said shell, a retaining member secured within said shell and closely surrounding said shaft means, crown gear means fixed within said shell, a spur gear substantially in alinement with said eccentric and having a plurality of teeth severally cooperating with the teeth of said crown gear means and having a concentric opening closely but movably surrounding said eccentric and adapted to be eccentrically displaced thereby during rotation of said wheel relative to said shaft means, eccentrically displaceable means adapted to cooperate with said crown gear means and actuated by said spur gear, an indicia carrying member fixed to said wheel, and a pointer rotatable relative to said indicia carrying member and actuated by said eccentrically displaceable means and displaceable relative to said member during rotation of said wheel about said shaft and shaft means.

2,354,709
PRESSURE REGULATED, STRAIGHT PULL JAR MECHANISM
Donald U. Shaffer, Brea, Calif.
Application April 1, 1942, Serial No. 437,217
1 Claim. (Cl. 255—27)



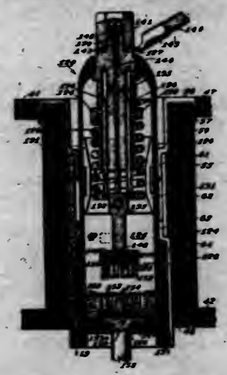
A well tool jar having in combination, relatively rotative hammer and anvil parts and means splining the parts and limiting relative rotation, the anvil part having a friction shoulder, a set of tumblers having engagement with the shoulder, and with the hammer part, a trip control spring constantly acting on the tumblers to press them under said shoulder and said shoulder reacting on the tumblers to trip them out of locking engagement when predetermined tension is placed on the hammer and the anvil parts, and means for varying the reaction of the spring by a relative rotation of said parts, the last named means including mutual cam members one of which is slidable as to both the hammer and the anvil and is splined to one of them against turning thereon and the other cam member is fixed to the other of them to rotate therewith for the purpose of axially shifting its companion cam member and thereby increase the compression of the said spring.

2,354,710
MOWER FOR TRACTORS
Howard W. Simpson and Aram Abgarian, Detroit, Mich., assignors to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application June 9, 1941, Serial No. 397,200
19 Claims. (Cl. 56—264)



1. In a mowing machine, the combination with an oscillating sickle and pitman for oscillating the sickle, of driving mechanism for said pitman, a connection between said driving mechanism and said pitman, and a mounting for said driving mechanism of distortable elastic material in compression and also in torsion when the pitman is oscillating for damping the vibration of the oscillating sickle and pitman.

2,354,711
ELECTRIC SYSTEM AND DEVICE THEREFOR
George T. Southgate, Forest Hills, N. Y.
Application April 16, 1940, Serial No. 329,885
31 Claims. (Cl. 175—364)



10. Vibratory contacting means comprising a sealed cell and electric, magnetic and elastic structures conjoined thereto; the electric structure including an annular, median terminal through the body of the cell, internal sliding means connective from this terminal to at least one movable contact pin of refractory metal, a pool of liquid metal coactive therewith, stilling means in said pool, and a second terminal connective with the pool through the floor of the cell; the magnetic structure including an internal, ferromagnetic, helical spring supporting the movable, solid electric elements and adapted to be self-compressive by mutual attraction of its turns when axially magnetized, together with polarizing means and a coaxial, external electromagnetic coil excited by alternating current at a desired frequency of contacting; and the elastic structure comprising the said helical spring, of such stiffness as to tune the movable system to a natural periodicity close to the said exciting frequency.

2,354,712
SMOKING PIPE
Philip J. Stieger, St. Paul, Minn.
Application May 7, 1942, Serial No. 442,029
5 Claims. (Cl. 131—195)



1. A smoking pipe comprising an elongated tubular barrel, a bowl secured thereto and having a passage therefrom communicating with the interior of said barrel, a bit secured to one end of said barrel normally closing the same, a tube projecting from said bit and extending longitudinally through said barrel, a plug encircling the free end of said tube and closing the other end of said barrel, a passage transversely through said bit in communication with the end of said tube, and a

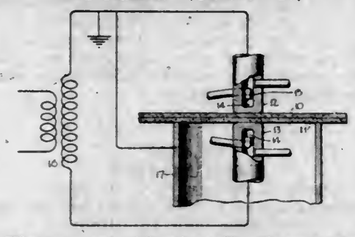
pair of oppositely disposed smoke passages extending through said bit in spaced relation to said tube and said passage, and tubular projections on the end of said bit in communication with said smoke passages extending into said barrel.

2,354,713
ART OF MAKING ACTIVATED CARBON
Alan C. Stoneman, Los Angeles, Calif.
No Drawing. Application March 10, 1942, Serial No. 434,048
12 Claims. (Cl. 252—283)

1. The method of making improved activated carbon from finely divided char comprising relatively low density and high density particles and produced by partial carbonization of carbonaceous material, that includes removing from said char relatively low density particles by separating the char particles in accordance with their relative densities, and thereby obtaining a higher density residual material, and subjecting said residual material to carbonization to produce an activated carbon product.

10. The method of making improved activated carbon from finely divided char comprising relatively low density and high density particles and produced by partial carbonization of carbonaceous shells, that includes removing from said char relatively low density particles by separating the char particles in accordance with their relative densities, and thereby obtaining a higher density residual material, subjecting said residual material to carbonization to produce an activated carbon product, and separating from said product relatively low density particles thereof and thereby obtaining a residual final product of increased adsorptive activity.

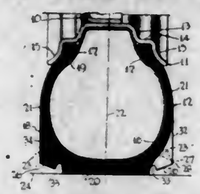
2,354,714
METHOD AND APPARATUS FOR HEATING THERMOPLASTICS
Harold A. Strickland, Jr., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 17, 1941, Serial No. 415,342
14 Claims. (Cl. 219—47)



1. The process of heat sealing layers of similar plastic dielectric materials which comprises impressing high frequency electrodes upon opposite sides of said layers at a high potential difference less than enough to cause breakdown of dielectric strength of said layers, said frequency being high enough to effect the desired heating, and pressing the heated layers to enhance their bond.

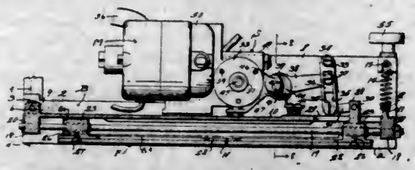
2,354,715
ALL-WEATHER TIRE
John P. Tarbox, Philadelphia, Pa.
Application August 19, 1940, Serial No. 353,167
6 Claims. (Cl. 152—211)

2. A pneumatic tire comprising a flexible carcass and a tread of elastic material, the outermost zones of said tread being of a width relatively narrow as compared with the width of tread between them, and having embedded therein metallic reinforcements against roadway reaction and under such reaction being substantially non-deflectible tangentially of those portions of the carcass which bear them, and the tread intermediate said outermost zones being free of such



reinforcements, and the carcass having a transverse cross-section which when the section is collapsed by roadway reaction under subnormal yet continuously permissible tire operating air pressures may assume widths greater than that of the tread by those amounts which impose upon said reaction reinforced outermost zones gross reaction loadings preponderating over those then carried by the tread intermediate said zones.

2,354,716
FILING TOOL
Orville W. Thrailkill, Wellington, Kans.
Application May 26, 1942, Serial No. 444,586
7 Claims. (Cl. 29—76)

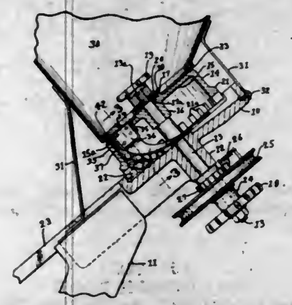


1. A filing tool comprising spaced side plates, an elongated plate positioned therebetween, means for pivotally mounting an end portion of said last-named plate with the side plates, a file holder carried by the last-named plate and having reciprocating movement, a driven shaft carried by the side plates, a cam member carried by the shaft for intermittent coaction with the swinging plate for forcibly swinging the same outwardly, means for swinging said plate inwardly, a rock arm supported between the side plates for swinging movement, an operative connection between the driven shaft and the rock arm for swinging the rock arm, an operative connection between the rock arm and the file holder for reciprocating the file holder upon swinging movement of the rock arm, a motor supported between and to the side plates, and a driving connection between the motor and the driven shaft.

2,354,717
HOPPER FEED MECHANISM
Jacob P. Treciokas, Oakville, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application July 31, 1943, Serial No. 496,937
13 Claims. (Cl. 218—15.1)

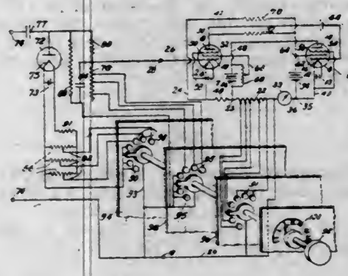
1. In a hopper feed mechanism for a fastener setting machine comprising a support frame, a raceway carried by said frame, said frame providing a hopper base plate disposed in an inclined position, a spindle rotatably mounted in

said base plate perpendicular to the face thereof, a rotary hopper having a slotted rim through which the elements are fed to said raceway, said hopper being mounted on said spindle in spaced relation to said base plate, an auxiliary supply hopper mounted above said rotary hopper, said rotary hopper having a closed wall disposed between said rotary hopper and said auxiliary



hopper with an opening therein, a trap door pivotally mounted to said wall and operating in said opening and having means extending to the base plate and capacitated to engage the elements deposited within said rotary hopper to control the position of the door in said wall opening and limit the amount of elements that shall be fed through said opening from said auxiliary hopper into said rotary hopper.

2,354,718
ELECTRIC SYSTEM
William Norris Tuttle, Concord, Mass., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts
Application November 8, 1941, Serial No. 418,336
47 Claims. (Cl. 171—95)

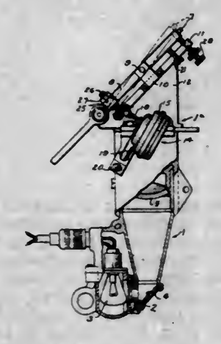


1. An electric system having, in combination, two vacuum tubes each provided with a cathode, an anode, a control electrode and a screen electrode, input circuits in which the cathodes and the control electrodes of the respective tubes are respectively connected, output circuits in which the cathodes and the anodes of the respective tubes are respectively connected, the output circuits each being provided with a source of voltage, means for subjecting the screen electrode of each tube to the voltage of the voltage source of the output circuit of the other tube, a resistor, and means for connecting the anode of one tube to the screen electrode of the other tube through the resistor.

2,354,719
PROCESS OF STABILIZING FATTY MATERIALS
Bruno J. Verbeck, Chicago, Ill., assignor to Wilson & Co., Inc., a corporation of Delaware
No Drawing. Application January 28, 1942, Serial No. 428,499
6 Claims. (Cl. 99—163)

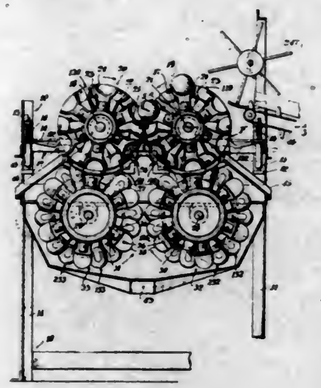
1. The process of stabilizing an edible oleaginous substance capable of becoming rancid which comprises admixing said substance while in liquid form with a tannin and thereafter filtering said treated substance to remove a tannin compound.

2,354,720
LOW ALTITUDE BOMB SIGHT
Walter J. Wagner, Eglin Field, Fla.
Application May 18, 1943, Serial No. 487,485
3 Claims. (Cl. 88—2.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a combined gun and low altitude bombing optical sight of collimator type, a support, a light source, a lens system for receiving light rays from said light source and transforming said rays into substantially parallel light rays, a reticle disposed in the path of the light rays between the lens system and light source, a tiltable sighting frame including a transparent sighting reflector and horizontally pivoted on said support in the part of said substantially parallel light rays to receive the projected sighting image of the reticle, said sighting reflector being controllably tiltable to reflect the projected sighting image of the reticle at predetermined sighting angles in the line of vision of an operator, positive stop means on said support to engage said sighting frame when moved in one direction to position the same in gun sighting position, means for moving said sighting frame in said direction toward and against said stop means, a visual indicator means for indicating predetermined angular sighting positions of said sighting frame for different low altitude bomb sighting elevations including a shiftable operating connection between said sighting frame and the indicator means, and manually adjustable means on said support engaging said sighting frame for moving the sighting frame about its pivots away from said stop means and to the said predetermined angular bombing sighting positions indicated on said visual indicator means.

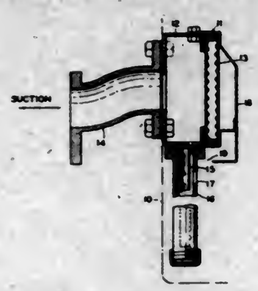
2,354,721
MEANS FOR EXTRACTING FRUIT JUICE
Charles S. Walker, Clearwater, Bronson C. Skinner, Dunedin, and James J. Rucker Bristow, Safety Harbor, Fla.; said Walker and said Bristow assignors to said Skinner
Application August 2, 1940, Serial No. 349,650
13 Claims. (Cl. 100—47)



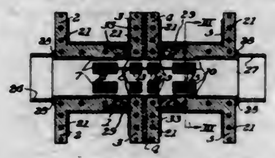
1. Fruit juice extracting apparatus comprising, in combination, a cup-wheel structure rotatably mounted on an axis and having a plurality of rows of fruit receiving cups arranged about its periphery with the cups in each row being adapted successively to carry fruit to a juice extracting locality, the cups of any one row being staggered with respect to those of any other of said rows, a juice extracting wheel structure rotatably mounted on an axis substantially parallel to the axis of said cup-wheel structure, said juice extracting wheel structure having a plurality of rows of substantially conoidal extracting heads arranged about its periphery with the extracting heads of any one row being staggered with respect to those of any other row similar to the staggering of the cups with each extracting head being adapted to enter one of the cups at the juice extracting locality to extract juice from fruit carried therein, resilient means supporting at least one of said wheel structures to permit variation of the distance between the axes of the two wheel structures to accommodate variations in thickness of marc in the cups, and means to rotate said wheel structures in timed relation so that the extracting heads will accurately enter and leave the cups.

2,354,722
CRANKCASE OIL SEPARATOR
George M. Walton, Shaker Heights, Ohio, assignor to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 12, 1940, Serial No. 340,014
8 Claims. (Cl. 121—194)

1. Crank case oil separating structure comprising a crank case, a source of suction, an oil separating unit between said case and source, casing means constraining all fluid passing from said case to said source to move through said unit, and an oil seal connected between the suction side of said unit and said crank case, said seal having a longer effective leg for collecting oil from said unit and having a shorter effective leg opening to said case.

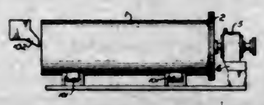


2,354,723
PERCUSSION TOOL
Carl S. Weyandt, Homer City, Pa.
Application December 12, 1941, Serial No. 422,753
1 Claim. (Cl. 172—126)



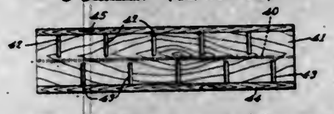
In a percussion tool, a piston barrel of non-magnetic material, a plurality of magnetic core members each comprising middle bars of magnetic laminations secured together, and end portions of substantially L-shaped members each comprising magnetic laminations secured together to form a unitary structure with an air gap between said end portions and middle bars, connecting blocks of non-magnetic material bridging said air gap and welded to the middle and end portions, and welded joints between the sides of said members and barrel to hold the core structure in assembled position.

2,354,724
BEARING
Harold B. Wessenger, Medford, Mass.
Application July 25, 1941, Serial No. 404,027
2 Claims. (Cl. 308—233)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



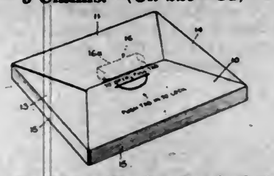
1. In combination, a rotor, bearing means supporting said rotor horizontally, a drive shaft attached to said rotor, a bearing housing surrounding said shaft, and a thrust bearing in said housing and surrounding said shaft and comprising inner and outer races with anti-friction bearings therebetween, said outer race being spaced from said housing throughout its periphery, whereby to allow clearance for the outer bearing race during transverse deformations of the said shaft.

2,354,725
MANUFACTURE OF COMPOSITE LUMBER AND ARTICLE THEREFOR
Frederick Weyerhaeuser, St. Paul, Minn., assignor to Rock Island Sash and Door Works, Rock Island, Ill., a corporation of Illinois
Application March 24, 1939, Serial No. 263,823
8 Claims. (Cl. 20—91)



3. A composite board comprising a wooden board kerfed from both faces by multiple cuts staggered from face to face along the grain providing a connecting planar midweb of wood from edge to edge of the board, and reinforcing sheet-like surfacing material in one or more pieces on one face of said kerfed board and secured thereto on both sides of a kerf covered by said material.

2,354,726
RELEASABLE JOINDER LOCK
Marshall I. Williamson, New York, N. Y., assignor to Wedglok Corporation, New York, N. Y., a corporation of New York
Application September 19, 1942, Serial No. 458,927
5 Claims. (Cl. 229—84)

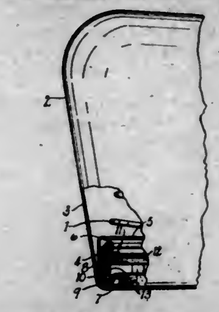


1. An easily releasable joinder lock in relatively stiff but flexible and resilient sheet material comprising a tongue element and a tongue-receiving slit element, said tongue element having resiliently raised shoulder means which engages that defining edge of said slit element which lies farthest from the tip of said tongue element in interlocking abutting relationship, means standing ready to depress said shoulder means out of its said interlocking abutting relationship, and tab means secured to and extending from said shoulder-depressing means to a location removed from the said joinder lock, said tab means being adapted to effect, when pulled, movement of said shoulder-depressing means for depressing said shoulder means.

2,354,727
METAL POWDER
John Wulff, Cambridge, Mass.
No Drawing. Original application October 2, 1941, Serial No. 413,367. Divided and this application May 29, 1942, Serial No. 445,082
4 Claims. (Cl. 75—28)

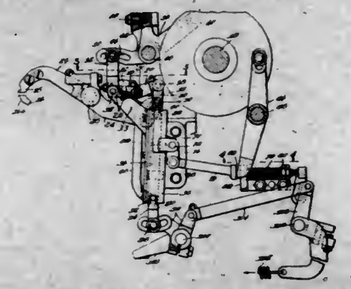
1. A method of producing stainless steel powder from contaminated residues containing stainless steel which comprises crushing the material in a suitable mill to produce a powder material of approximately —200 mesh and to work harden the metal content; screening the disintegrated product to produce a fraction of between +200 and +325 mesh and a fraction of —325 mesh; subjecting the fractions to magnetic separation to recover a metallic magnetic concentrate and subjecting the concentrate to the action of a solution which passivates the stainless steel.

2,354,728
SPRING STRUCTURE
Vito Asaro, Detroit, Mich., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich., a corporation of Michigan
Application June 28, 1941, Serial No. 400,218
2 Claims. (Cl. 155—180)



1. In a cushion structure the combination of a border frame having an upholstery receiving channel, the maximum dimension of which exceeds the entrance thereto, upholstery having a portion thereof disposed within said channel, and deformable clamping members disposed within said channel whereby they are deformed in one dimension to clamp the upholstery within the channel, said clamping members prior to the deforming thereof being of non-split tubular section and flattened to expand them in the clamping position within the channel.

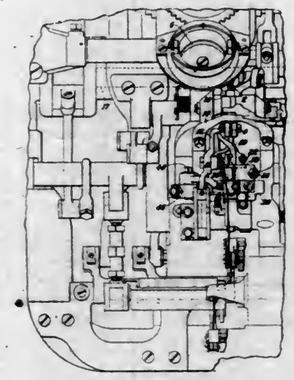
2,354,729
SHOE SEWING MACHINE
Fred Ashworth, Wenham, and Carl F. Whitaker, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 2, 1942, Serial No. 429,206
14 Claims. (Cl. 112—61)



1. An outsole shoe stitching machine having, in combination, stitch forming devices, a work support, a presser foot, mechanism for actuating the presser foot comprising a presser foot lever pivotally mounted midway its length at one end of which lever the presser foot is mounted, an actuating cam, a floating lever, a connection from the cam to a point on the floating lever, a link directly connecting another point on the floating lever to the end of the presser foot lever remote from the presser foot at a point to form equal arms on the presser foot lever, locking devices for locking the fulcrum of the floating lever from movement, means for actuating the locking devices to lock and release the fulcrum during each stitch forming cycle, and a spring acting on the

floating lever between the points of connection with the cam and the presser foot to press the foot towards the work support while the fulcrum of the floating lever is released.

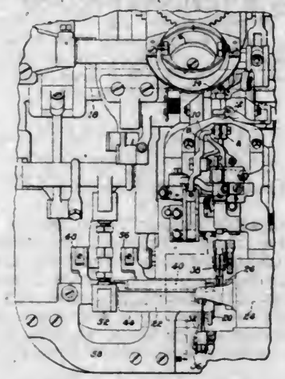
2,354,730
SHOE SEWING MACHINE
Fred Ashworth, Wenham, and Carl F. Whitaker, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application February 2, 1942, Serial No. 429,206. Divided and this application May 29, 1943, Serial No. 488,966
4 Claims. (Cl. 112—55)



2. An outsole shoe sewing machine having, in combination, stitch forming devices including a hook needle, a needle looper and a looper mechanism for moving the looper from one side of the needle to the other in a curving path generally in the line of feed comprising an arm pivoted on the frame of the machine, an actuating link connected to the arm, a looper carrier slidable lengthwise along the arm forwardly and rearwardly of the needle, and a stationary S-shaped cam for imparting a forward and rearward component of movement to the looper when actuated by said link.

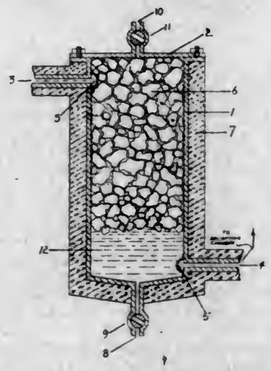
2,354,731
SHOE SEWING MACHINE
Fred Ashworth, Wenham, and Carl F. Whitaker, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application February 2, 1942, Serial No. 429,206. Divided and this application July 28, 1943, Serial No. 496,464
5 Claims. (Cl. 112—58)

2. A shoe sewing machine having, in combination, stitch forming devices, a sewing shaft, a stationary cross shaft, a sewing thread pull-off member on the cross shaft, a pair of thread locks between which the pull-off operates including thread lock actuating members on said cross shaft, sewing shaft operated mechanisms connected with the lock actuating and pull-off members at points spaced along the cross shaft from the lock actuating and thread engaging portions of said members, and bearing means on the pull-off and lock actuating members for supporting separately said members on said cross shaft to render each of said members free to



oscillate on said cross shaft without imparting pressure radially of the shaft to another of said members.

2,354,732
METHOD OF AND MEANS FOR CONTROLLING THE PERCENTAGE OF WATER IN LIQUID AND SOLID CARBON DIOXIDE
Elinor Baird, Los Angeles, Calif.
Application July 24, 1942, Serial No. 452,168
13 Claims. (Cl. 62—91.5)

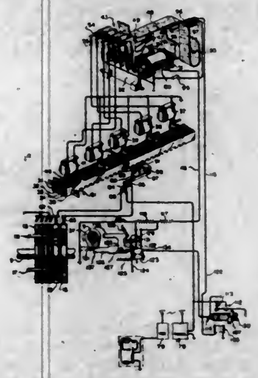


1. In apparatus for dissolving water in carbon dioxide, in combination a container, a mass of ice within said container, and means for introducing carbon dioxide into contact with said ice and withdrawing it therefrom.

2,354,733
TRANSMITTER
Edward T. Baldwin, River Forest, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application February 26, 1943, Serial No. 477,221
12 Claims. (Cl. 178—17)

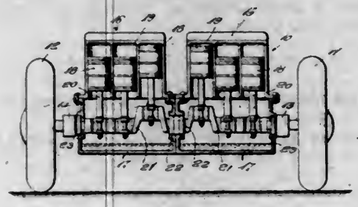
1. In a telegraph system, a transmitter having a record strip feeding means, a control circuit therefor wherein current is supplied to the record strip feeding means during idle time of the transmitter as well as during operating intervals, said circuit having two resistances in series, and means comprising a screw and follower timing device and cam controlled instrumentalities for

controlling, through an electromagnetically operated switching device, the shunting in and out



of one of said resistances to vary the value of current supplied to said record strip feeding means.

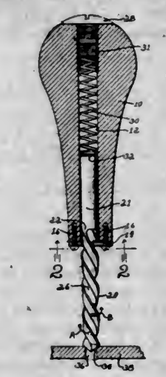
2,354,734
ENGINE DRIVE FOR VEHICLES
Charles L. Barkley, Pfafftown, N. C.
Application July 18, 1942, Serial No. 451,463
1 Claim. (Cl. 180—56)



In a wheeled vehicle, a chassis, a dual engine supported thereby, a crank case and a crank shaft for each engine, said crank case having a two-part central bearing, said shafts being aligned and supported by said crank case bearing, one end of each shaft projecting through a side wall of a crank case, and a wheel of the vehicle directly secured to the end of said projecting shaft, each engine having a removable head secured to said crank case and its two-part central bearing.

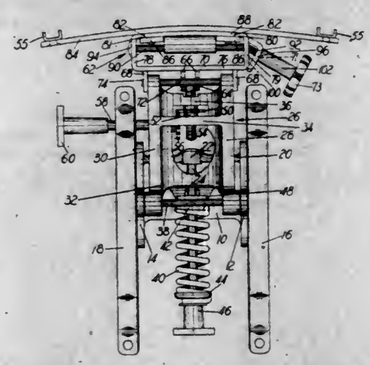
2,354,735
TOOL
Charles H. Bensinger, Dearborn, Mich.
Application March 22, 1943, Serial No. 480,032
2 Claims. (Cl. 77—73.5)

2. A tool of the class described including a cutter and a holder arranged in telescoping relation and for axial movement of the holder toward and away from the cutter, said cutter having a cutting surface at that terminal portion thereof remote from the holder and so formed and directed as to perform its cutting operation in response to rotation of the cutter in one direction only, and cooperating means respectively movable with the holder and cutter forming a driving connection therebetween and so constructed and arranged as to rotate said cutter in a non-cutting direction during movement of the holder toward the cutter and to rotate said cutter in a cutting direction during movement of the holder away from the cut-



ter, and a spring acting between the cutter and holder urging the latter away from the cutter.

2,354,736
CHAIR IRON
Arthur R. Boerner, Milwaukee, Wis., assignor, by mesne assignments, to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 24, 1942, Serial No. 428,067
5 Claims. (Cl. 155—157)



1. In combination with a chair iron, an adjustable back assembly comprising: a pivotal member having struck outside portions integral therewith and adapted for pivotal engagement with the chair iron; end portions having openings therein, inturned portions associated with said end portions, said end portions and inturned portions integrally related to the body of said pivotal member; guide way assembly adapted to engage said inturned portions and including a back plate member, abutment plate and strips; a headed bolt connecting said end portions and having its threaded end bent away from its main body portion; an L shaped member cooperating with said bolt and adapted to engage an end portion of said pivotal member to constrain its movement; a tubular nut associated with said threaded portion of said bolt; a hand wheel integrally related to said tubular nut for adjustment of said nut.

2,354,737
COMBINATION SCALE
Ben Frank Brown, Zanesville, Ohio
Application March 6, 1943, Serial No. 478,187
10 Claims. (Cl. 33—75)

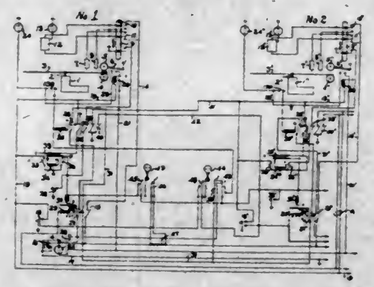


1. An instrument of the character described, comprising a scale, a member pivoted to one end of the scale, said member having a body of less length than the scale, and having an arm extending at right angles to the body and of less length than said body, said body having graduations at opposite edges of said body giving angles of said edges relative to opposite edges of said scale.

2,354,738
PARENTERAL SOLUTION OF ANTI-HEMORRHAGIC COMPOUNDS
Gustaf Harry Carlson and Dilworth Thomas Rogers, Pearl River, N. Y., assignors to Lederle Laboratories, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 28, 1941, Serial No. 376,328
7 Claims. (Cl. 167—81)

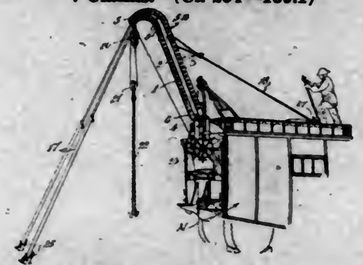
1. A parenteral solution comprising a water insoluble anti-hemorrhagic substance and an ester included in the group consisting of ethyl succinate, n-butyl succinate, ethyl pimelate and n-butyl pimelate.

2,354,739
SOUND RECORDING MACHINE
Henry P. Clausen, White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application April 16, 1943, Serial No. 483,271
8 Claims. (Cl. 179—100.4)



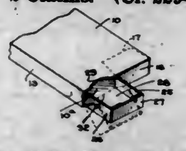
1. In a sound recording system the combination comprising at least two recording machines for recording sounds on records, means controlled by each machine for starting another machine when the record of the former is substantially full, means controlled by each machine for stopping it a predetermined period of time after it has started another machine, a dictator's control for starting and stopping an operating machine, and an attendant's control for connecting the dictator's control to two or more machines whereby duplicate records of the same dictation may be made.

2,354,740
COMBINATION SCOOP-AND-BOOM STRUCTURE
Kibbey W. Couse, Newark, N. J.
Application April 17, 1943, Serial No. 483,503
7 Claims. (Cl. 254—139.1)



4. A combined scoop-and-boom structure comprising a stiff metal plate with relatively stiff side members having a plurality of holes extending along their length, the plate also having relatively narrow strips fastened to its bottom on opposite edges adjacent said side members, the plate with said strips and side members being curved upwardly at one end thereof to a point materially above the upper edges of the main portion of the structure and the angle of curvature being approximately ninety degrees, a cross-member at each end of the structure, and means for making attachment to said cross-members as required approximately on the median line of the plate, said strips having spaced holes longitudinally of their length on at least the straight portion of the plate.

2,354,741
ARTICLE DISPENSING CONTAINER
Harry Crane, Philadelphia, Pa.
Application January 22, 1944, Serial No. 519,283
2 Claims. (Cl. 229—7)

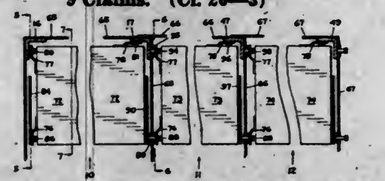


1. In an article-dispensing package of the character described, a main outer box or shell for receiving therein the articles to be dispensed, said box being provided with an opening extending partially across the width of one end thereof, and a slidable member disposed interiorly of said box and having a three-walled pocket formed at one end thereof, the mouth of said pocket presenting interiorly of the box and the closed end of the pocket being normally positioned in the plane of the opening in the end of the box to completely close the latter against displacement of the contents from the box.

2,354,742
PROCESS OF PRODUCING ALKALI-METAL SULPHIDES, SELENIDES, AND TELLURIDES
George Lewis Cunningham, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application April 25, 1940, Serial No. 331,596
9 Claims. (Cl. 23—134)

1. The process of producing alkali metal compounds of the group consisting of monosulphides, monoselenides and monotellurides which comprises reacting an alkali metal amalgam with the corresponding alkali metal compound of the group consisting of polysulphides, polyselenides and polytellurides in an anhydrous alcoholic medium.

2,354,743
VOTING BOOTH ASSEMBLY
Wallace R. Douglas and William H. Douglas, Crete, Nebr.
Application January 29, 1942, Serial No. 428,726
9 Claims. (Cl. 20—3)



1. A plurality of voting booths comprising a master booth and one or more annex booths, said master booth having a frame including upright standards at each of two rear corners and a shelf which is secured to said rear standards, said annex booths each including an upright standard at the rear corner most remote from the master booth and rigidly but detachably connected to the adjacent standard of the next booth proceeding back in the direction of said master booth, a shelf in each annex booth, a partition wall between said booths, extending uninterruptedly from the top thereof to a point below said shelves, means associated with the rear standard of the annex booth for supporting the adjacent end of the shelf, and supporting means for the opposite end of the shelf, said last named means including means detachably supported directly from the shelf in the next adjoining booth by an element secured to said last named shelf and projecting through an opening in said wall of approximately the size of said element.

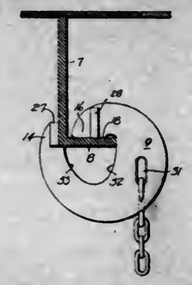
2,354,744
METHOD OF PRODUCING SHAPED RESINOUS ARTIFICIAL MATERIALS
Camille Dreyfus, New York, N. Y.
No Drawing. Application September 28, 1940, Serial No. 358,882
3 Claims. (Cl. 18—54)

1. Process for the production of artificial shaped articles comprising shaping a composition comprising a fusible fibre or film forming polyvinyl ester resin while in a soft and hot condition and immediately thereafter, while the shaped composition is still in a soft and hot condition, positively causing a drop of 50 to 200° C. in the temperature of said shaped composition in a period of 0.05 to 0.25 second.

2,354,745
METHOD OF PRODUCING ARTIFICIAL SHAPED ARTICLES
Camille Dreyfus, New York, N. Y.
No Drawing. Application September 28, 1940, Serial No. 358,883
9 Claims. (Cl. 18—54)

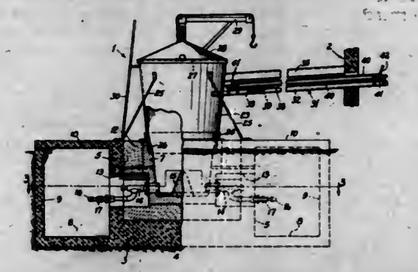
1. Process for the production of artificial shaped articles comprising shaping a composition comprising a thermoplastic derivative of cellulose while in a soft and hot condition and immediately thereafter sharply cooling the same by positively causing a drop of 50 to 200° C. in temperature in a period of 0.05 to 0.25 second.

2,354,746
ATTACHMENT DEVICE
Stan Edward Dunmal, Richmond, Calif.
Application July 12, 1943, Serial No. 494,401
4 Claims. (Cl. 248—228)



1. In an attachment device of the character described a one-piece body having substantially opposed beam engaging portions connected by a continuous body portion and spaced by an opening at the periphery of the body, said engaging portions being one inward of the other and having substantially parallel beam engaging surfaces, said inward portion having a beam engaging wing extending transversely from the body, and said outward portion having a beam engaging face angular to the first of said engaging surfaces.

2,354,747
INCINERATOR
Milton Epstein and Francis B. Fillo, St. Louis, Mo.
Application March 29, 1943, Serial No. 481,034
4 Claims. (Cl. 110—7)



1. An incinerator furnace comprising means forming a tapering combustion chamber which extends with gradually increasing diameter from the bottom to the top of the incinerator, the incinerator having a top opening substantially coextensive with the upper end of the combustion chamber, and a side opening at the bottom of the combustion chamber, a conical projection rising centrally from the bottom to a point above said side opening, a horizontally disposed fluid-fuel burner sealed within said side opening and directed tangentially of the chamber, said burner being adapted to produce a swirling flame circulating about the central cone.

2,354,748
MOUNTING DEVICE
Albert W. Franklin, New York, N. Y.
Application May 15, 1943, Serial No. 487,109
5 Claims. (Cl. 173—339)

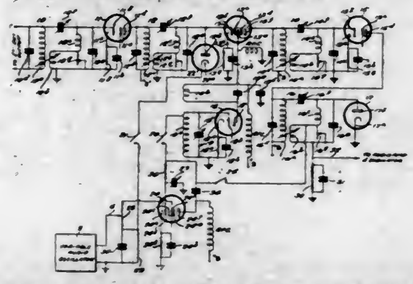
3. The combination as described comprising a socket member having a flanged head and an

integral hub provided with longitudinal exterior ribs, said ribs being grooved adjacent said head to form an interrupted channel about said hub, a supporting plate for said socket through which



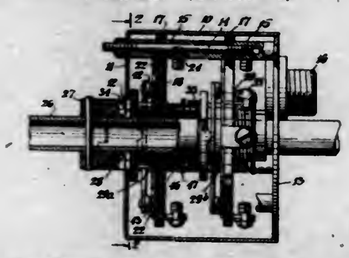
the hub projects and lying against said head, and a continuous locking ring surrounding said hub and having a plurality of integral cantilever springs lying respectively in the grooves of said ribs.

2,354,749
ELECTRICAL COMMUNICATION
Dana A. Griffin, Plainfield, N. J., assignor to Communication Measurements Laboratory, New York, N. Y., a partnership
Application March 11, 1941, Serial No. 382,695
18 Claims. (Cl. 250—20)



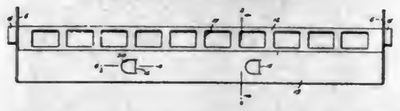
1. In a superheterodyne receiver of the triple detection type a first conversion oscillator, a first intermediate frequency amplifier including means for attenuating only frequencies higher than a predetermined frequency, a second conversion oscillator, a second amplifier operating at a different intermediate frequency including means for attenuating only frequencies lower than a predetermined frequency, and means for adjusting the effective signal band width of the signal produced at the output of the second intermediate frequency amplifier, said means comprising manual means for adjusting the frequency of said second conversion oscillator.

2,354,750
ELECTRIC SWITCH
Harry C. Hall, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application June 6, 1942, Serial No. 446,088
9 Claims. (Cl. 200—6)



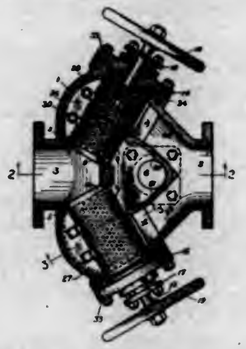
1. An electric switch comprising at least one stator plate, stator contacts on one face thereof, a cylindrical insulating rotor element passing through an aperture in said plate, rotor contacts thereon bearing against said stator contacts, and a shoulder on said rotor on the opposite side of said stator plate from said contacts and a compression spring interposed between said shoulder and said stator plate.

2,354,751
POULTRY FEEDER
James W. Hartman, Crichton, Ala.
Application May 11, 1943, Serial No. 486,553
3 Claims. (Cl. 119—61)



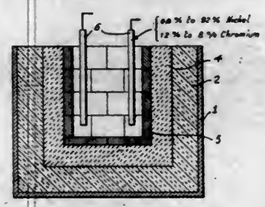
1. A chicken feeder constructed from a blank consisting of a bottom, end walls having triangular shaped openings, a top wall sloping toward each side, front and back walls for the bottom, said end walls rising above the top and said top having extensions inserted through the openings of the end walls, said extensions being co-extensive with two sides of the openings and projecting outwardly beyond the end walls to maintain the end walls in an upright position through frictional engagement with the extensions, said top being integral with the back wall and an overlapping outer front wall carried by the top section, said top section being formed with a plurality of feeder openings, said outer front wall carried by the top section being formed with tabs, and said front wall for the bottom connection being formed with slits to receive said tabs.

2,354,752
STRAINER
Haakon Hellan, Cleveland Heights, Ohio
Application August 3, 1942, Serial No. 453,309
3 Claims. (Cl. 210—168)



1. A liquid strainer comprising a casing, inlet and outlet openings in said casing, internal dividing walls converging from the outlet and traversing said casing and defining a strainer compartment therebetween, said dividing walls having openings therethrough for effecting communication between said strainer compartment and said outlet opening, cylindrical screens positioned in said strainer compartment with the open ends thereof supported in the openings of said dividing walls, a diverging wall structure at said inlet forming individual inlet passages to each screen within the casing, and a central sediment pocket between said diverging walls.

2,354,753
SALT BATH FURNACE
Artemas F. Holden, Northford, Conn.
Application April 25, 1942, Serial No. 440,443
6 Claims. (Cl. 13—23)



1. An electric furnace for use with a chloride, or a chloride-fluoride salt bath comprising a pot having a lining of silica-alumina refractory bricks impregnated with alumina, and processed, after filling said pot to slightly above normal operating level with the predominant chloride of the bath to be normally used in said pot, by heating said chloride to a temperature between 1300° F. and 2300° F. for a period of from ten to forty-eight hours.

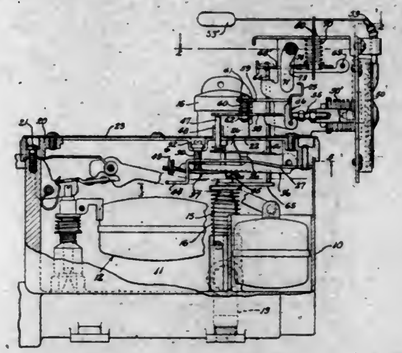
2,354,754
ANTIAIRCRAFT DEVICE
George W. Irwin, Detroit, Mich.
Application April 13, 1942, Serial No. 438,670
6 Claims. (Cl. 89—1)



1. An anti-aircraft device comprising a container including a rigid carrier and a bottom adapted to open, means connected to the carrier for supporting the latter in the air and adapted to be discharged to its operative position upon the opening of said bottom, a rigid member and a plurality of ropes packed in the container, each rope being secured at one extremity to said carrier and at its other extremity to said rigid member, said member and ropes being adapted to drop and hang suspended from the carrier upon the opening of said bottom to form a trap, and a bomb carried in the latter.

2,354,755
OIL CONTROL DEVICE
Roy W. Johnson, William A. Biermann, and Vernon R. Pawelsky, Milwaukee, Wis., assignors to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 23, 1942, Serial No. 466,602
12 Claims. (Cl. 236—1)

10. An oil control device comprising a casing having a liquid supply chamber provided with an outlet, a metering valve for regulating flow through said outlet, actuating mechanism for shifting the valve from high fire position to low fire position, and vice versa, safety cut-off mechanism for punching the valve to closed position,



and a single thermostat for regulating the action of both of said mechanisms.

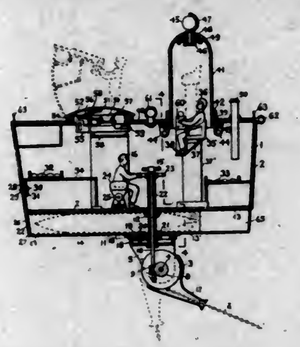
2,354,756
MEASURING TAPE
Adolf W. Keuffel, Montclair, and George L. Henzel, Lyndhurst, N. J., assignors to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Application September 25, 1940, Serial No. 358,258
9 Claims. (Cl. 33—137)

1. The process for making a legible, graduated measuring tape comprising preparing a metal strip with a matte surface, applying to said matte surface an electrodeposit resist ink to distinguish indicia areas from background areas, and electrodepositing at least one layer of corrosion resistant metal on the areas unprotected by the resist.

2,354,757
REFRACTORY COMPOSITION
Robert V. Kleinschmidt, Stoneham, and Edward Washken, Cambridge, Mass., assignors, by mesne assignments, to Bethlehem Steel Company, a corporation of Pennsylvania
No Drawing. Original application April 23, 1941, Serial No. 389,920. Divided and this application November 2, 1942, Serial No. 464,254
4 Claims. (Cl. 106—62)

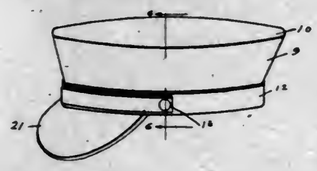
1. A refractory mixture having the following analysis: magnesia, sixty to eighty-five (60–85) per cent; alumina, upwards of approximately twelve and one-half (12½) per cent; and sufficient silica to permit vitrification but substantially less than the alumina content.

2,354,758
OBSERVATION BUOY
Serge G. Kotelev and Sophie F. Kotelev, Long Island City, N. Y.
Application February 26, 1942, Serial No. 432,466
3 Claims. (Cl. 114—4)



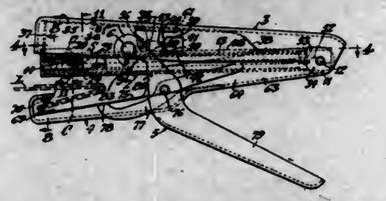
1. An observation buoy comprising a hollow vessel adapted to float in water and having an opening at the top for admitting a crew of operators into the vessel; a bracket rotatively supported on a vertical axis on the outer side of the bottom portion of the vessel; a flexible member extending from the bracket adapted to be anchored to the bottom of a sea; and means to rotate the bracket from the inside of the vessel thereby rotating the vessel in relation to the flexible member.

2,354,759
UNIFORM CAP
Irving Libshutz and Morris Libshutz, Baltimore, Md.
Application July 21, 1943, Serial No. 495,542
5 Claims. (Cl. 2—195)



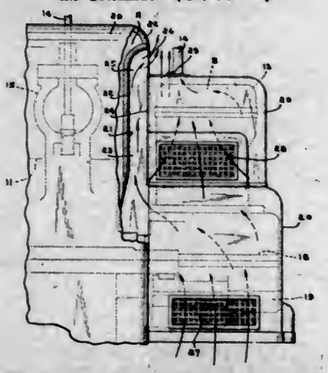
1. A cap of the class described comprising in combination, a frame member having a visor projecting from the front portion and a flexible framework vertically disposed and arranged for placement on the head of the user, a cover piece of flexible material having its lower portion open and adapted to fit closely on to the framework, and its upper portion formed to shape a space above the head of the user, a stiffening ring with adjustment connection for placement in the upper portion of the cover piece and giving the same a rigid contour of predetermined form, a sweat piece spanning the said ring from front to back; a front stayer in the front of the cover having pockets formed therein, stiffening bars inserted in the said pockets for stiffening the front of the cover, and external braid fastened to the bottom rim portion of the framework when the cover piece is attachd thereto, and means for fastening the cover piece and frame together.

2,354,760
FASTENER-APPLYING IMPLEMENT
Charles M. Lindstrom, East Greenwich, R. I., assignor to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine
Application November 25, 1941, Serial No. 420,400
17 Claims. (Cl. 1—49)



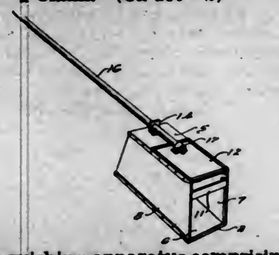
1. In a device of the type indicated, a magazine for holding a supply of fasteners and having a throat at one end through which the fasteners are driven, a driver reciprocable in the throat for driving fasteners therefrom, an arm at one side of the magazine connected to operate the driver, a fastener-clinching arm at the opposite side of the magazine from the driver-operating arm, said arms extending throughout substantially the entire length of the magazine, means for pivotally connecting the magazine and arms adjacent their rearward ends to adapt them for relative movement, an abutment on one of the arms, and a manually-operable lever pivotally connected to one of the arms and having a curved cam-face extending along the side thereof slidably engaging the abutment on the other arm for simultaneously moving the arms toward the magazine throughout their complete range of movement with a gradually increasing applied force.

2,354,761
TURBINE APPARATUS
Richard B. Luckenbach, Secane, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1943, Serial No. 478,460
12 Claims. (Cl. 60—1)



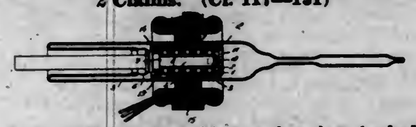
1. The combination with an elastic fluid turbine having lubricant-utilizing apparatus adjacent one end thereof, of means for minimizing the fire hazard due to escaping lubricant contacting highly heated parts; said means comprising structure providing an upright duct which encloses the lubricant-utilizing apparatus and has at least a portion disposed between said turbine and the lubricant-utilizing apparatus, said structure being formed to provide an air inlet opening at or near the base of the apparatus and an outlet opening arranged above the apparatus in order that the duct may function to provide a natural draft of air which is effective to cool parts exposed thereto below the ignition temperature of escaping lubricant.

2,354,762
EXTINGUISHER
Alfred V. McFerron, Rocky River, Ohio, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio, a corporation of Ohio
Application July 10, 1942, Serial No. 450,413
1 Claim. (Cl. 169—2)



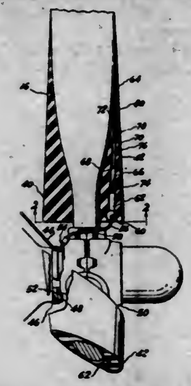
Fire extinguishing apparatus comprising a container having a bottom wall, front and rear walls extending upwardly from said bottom wall, side walls extending upwardly from said bottom wall, said walls being secured together to form a generally rectilinear receptacle adapted to contain a granular extinguishing material, a cover normally serving to close the upper end of said receptacle, said cover being hinged at one of its marginal edges to the upper edge of the front wall of said container, a pole-like handle for manipulating said container, means secured to the front wall of said container adapted to receive said handle and means on the interior of said cover adapted to be in alignment with said first mentioned means when said cover is opened to anchor the end of said handle detachably with respect to said container.

2,354,763
METHOD OF MAKING BEARINGS
Raymond R. Machlett, New Canaan, Conn., assignor to Machlett Laboratories, Inc., Springdale, Conn., a corporation of Connecticut
Application July 31, 1940, Serial No. 349,021
2 Claims. (Cl. 117—131)



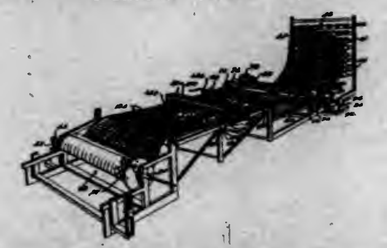
1. A method of making a bearing including races and rolling elements between the races, the races having working surfaces formed of a material for which silver has a low affinity, which comprises mounting the races and elements assembled in operative relation within an envelope, outgassing the surfaces of the races and rolling elements by simultaneously heating the races and elements and evacuating the envelope, thereafter, while the vacuum is maintained, causing the elements to roll on the races with the working surfaces of the elements in direct and continuous contact with a body of silver, continuing the movement of the elements in contact with said body only until the elements take up thin films of silver on their working surfaces, and thereafter removing the elements from contact with said body of silver.

2,354,764
PROPELLER BLADE ICE PREVENTER
Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application December 13, 1939, Serial No. 308,995. Divided and this application October 24, 1940, Serial No. 362,601
8 Claims. (Cl. 244—134)



1. In combination, a propeller blade having a relatively flat outer portion and a shank portion, a shank fairing forming part of the shank portion of the blade and formed of material lighter than the material of the remainder of said blade firmly secured to the other part of the shank portion of said blade, and de-icing fluid conduits extending through and carried by said shank fairing and leading to spaced openings in the surface of said blade.

2,354,765
CAMOUFLAGE FABRICATING MACHINE
William E. Meyer, Detroit, Mich., and Howard W. Collins, Newark, Ohio; said Meyer assignor to Parker-Wolverine Company, Detroit, Mich., a corporation of Michigan, and said Collins assignor to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application August 10, 1942, Serial No. 454,276
3 Claims. (Cl. 57—13)



1. In a machine for fabricating camouflage, an elongated support, means mounting a wire mesh supply adjacent one end of said support, means for moving said mesh along said support, means mounting a plurality of cords of fibrous material adjacent said one end and above said elongated support, means for feeding said cords of fibrous material longitudinally of said mesh and for superimposing said cords on said mesh, means mounting a plurality of other cords of fibrous material above said support, means for disposing thread elements above the longitudinal

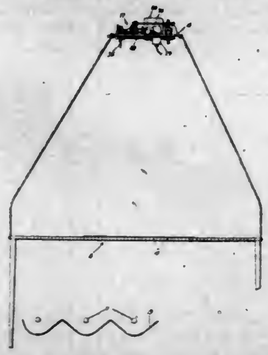
edges of said mesh, means for applying said other cords of fibrous material around said thread elements transversely of said mesh and in crossed relation to said first named cords, and means for disposing said other cords on said longitudinal cords.

2,354,766
CARVING FORK WITH REMOVABLE GUARD
Bernard Mark Miller, Sheffield, England
Application January 21, 1944, Serial No. 519,125
In Great Britain December 1, 1943
3 Claims. (Cl. 30—323)



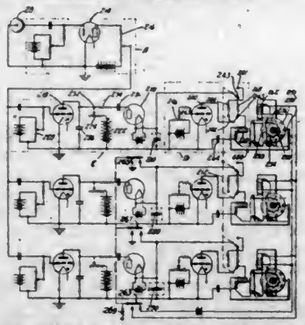
1. A carving fork which comprises a fork member, a guard, a spring loaded spindle passing through the fork member, said spindle having at its upper end a lip adapted to engage a pin on the underside of the guard.

2,354,767
AREA MEASURING MACHINE
Philip E. Nokes, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 25, 1941, Serial No. 408,228
10 Claims. (Cl. 33—123)



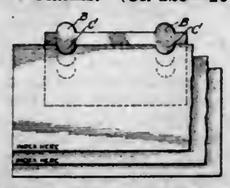
1. An apparatus for measuring the superficial area of sheet material, including a perforated work support or backing member, a source of light at one side of said work support or backing member so that directionally fixed beams of light pass through perforations remaining uncovered by the sheet material undergoing measurement, a mirror turning about an axis parallel to the surface of the work support or backing member upon which beams from the uncovered perforations may impinge, a second mirror arranged to rotate at high speed about an axis at a right angle to the first-mentioned axis, said second mirror receiving the beams from the first mirror in succession during its high speed rotation, and a photoelectric cell positioned to receive said beams from the second mirror and having associated therewith electrical circuits in which the beams entering said photoelectric cell are translated into impulses in said circuits which may be counted.

2,354,768
ELECTRICAL COUNTER
Philip E. Nokes, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 25, 1941, Serial No. 408,229
6 Claims. (Cl. 235—92)



1. In a counter of input electrical impulses, a series of accumulator electrical condensers arranged in parallel circuits, input impulse-actuated control means for delivering simultaneously to said accumulators successive charges of electricity, the number of which is in direct proportion with a number which is being counted, means operative automatically for intermittently dissipating, between the receipt of successive impulses, the charge on at least one of said accumulator condensers as soon as it has received a predetermined number of charges, and operator-controlled means for subsequently measuring and registering the residual charges contained in said accumulator condensers.

2,354,769
VISIBLE RECORD
Thomas J. O'Kane, Park Ridge, Ill.
Application December 21, 1942, Serial No. 469,589
6 Claims. (Cl. 129—16)



1. A visible card index linkage, which comprises in combination, card holders consisting of sheets of flexible material, said holders having projections extending along their upper edges, a plurality of tongues struck from the body of each of said holders, remaining integral therewith and providing apertures therein, at least one of said apertures in each holder providing a shoulder

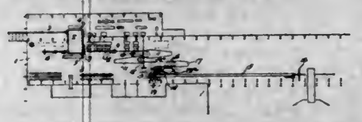
to receive and suspend a succeeding holder by its corresponding tongue, and said remaining tongues having index cards secured thereto fixedly to permit the same to be hinged and providing adjacent apertures to receive similar projections, said linkage being interlockingly held together in alignment by said tongue and projections and each holder and attached card being removable as a unit upon outwardly flexing said projections from their respective apertures.

2,354,770
TOE PROTECTING DEVICE AND METHOD OF MAKING THE SAME
Maisie Jane Patterson, Chapel Hill, N. C.
Application October 9, 1942, Serial No. 461,367
5 Claims. (Cl. 128—81)



1. In a toe protecting device, an elongated bandage consisting of a fabric web folded longitudinally upon itself, cushioning material interposed between the folded portions of the fabric web, said fabric web with the interposed cushioning material having successive portions, spaced from each other, arranged to closed loop form extending laterally from the same side of the bandage, the portions of said bandage between and connecting the loop portions forming a continuous band, each of said loop portions being adapted to surround a toe of a foot with the loop connecting portions disposed below the toes.

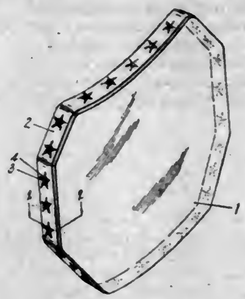
2,354,771
ROLLING MILL
Edward T. Peterson, Reading, Pa.
Application July 21, 1942, Serial No. 451,757
2 Claims. (Cl. 80—2)



1. In a rolling mill, the combination of a billet heating furnace having a set of pinch rolls in alignment with an exit port thereof, a series of continuous roughing rolls in alignment with said pinch rolls, primary finishing rolls adapted to receive material being rolled after it has passed through said roughing rolls, interrupted secondary finishing rolls disposed transversely of the flow of material as it emerges from the primary finishing rolls and adapted to be fed material being rolled by reversing mechanism, continuous final finishing rolls spaced from said secondary finishing rolls, and a plurality or battery of reel means disposed between said secondary and final finishing rolls and selectively arranged to receive material being rolled from either of the last-named rolls.

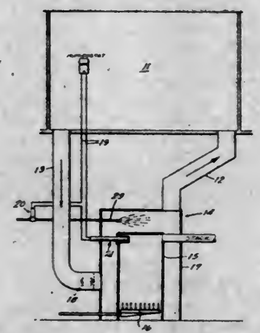
2,354,772
LENS
Horace L. Prange, Kalamazoo, Mich.
Application September 2, 1941, Serial No. 409,257
1 Claim. (Cl. 41—21)

As an article of manufacture, an eyeglass lens having a plurality of ornamental etched designs in the face of the peripheral edge thereof, said ornamental designs being substantially equally spaced around the periphery and centered with respect to the sides of the lens, whereby said



etched designs form an identifying medium for said lens and provide an ornamental appearance therefor without interfering with vision through said lens.

2,354,773
HUMIDITY CONTROL SYSTEM
William A. Bay, Glendale, Calif.
Application October 26, 1940, Serial No. 363,062
3 Claims. (Cl. 236—44)



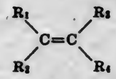
3. In a system for conditioning the air in a space: apparatus for heating said air, a normally closed electrically controlled valve for controlling the admixture of moisture with said air, a thermoelectric generating device influenced by the heat of said apparatus for energizing a circuit including said valve, and means responsive to the humidity of the air in said space for controlling said circuit to said valve.

2,354,774
TERPENE DERIVATIVE
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 31, 1941, Serial No. 396,220
14 Claims. (Cl. 260—457)

7. An ester of an inorganic acid and a substituted benzyl alcohol having the formula R—CH_2OH in which R is a substituted phenyl radical selected from the group consisting of a trimethyl-butenyltetrahydrophenyl and a trimethyl-butylhexahydrophenyl.

2,354,775
TERPENE RESIN
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 14, 1941, Serial No. 398,109
22 Claims. (Cl. 260—80)

1. A resinous product of the copolymerization of a terpene and a material having the general formula:

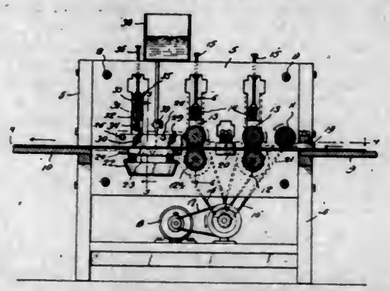


where R_1 is a member of the group consisting of hydrogen, methyl, chlorine, and bromine; R_2 is a member of the group consisting of chlorine, bromine, the chloromethyl and the bromomethyl radicals; R_3 is a member of the group consisting of hydrogen and methyl; R_4 is a member of the group consisting of hydrogen and methyl; and where no additional halogen is present when a halomethyl group is present.

2,354,776
TERPENE RESIN
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 14, 1941, Serial No. 398,110
22 Claims. (Cl. 260—101)

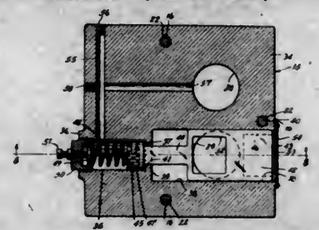
1. The process which comprises copolymerizing a mixture consisting of a terpene and a material selected from the group consisting of rosin, rosin acids, rosin esters and rosin acid esters in the presence of a polymerization catalyst selected from the group consisting of boron trifluoride and its molecular complexes with ethers and acids, titanium chloride, ferric chloride, aluminum chloride, stannic chloride, zinc chloride, hydrofluoric acid, fluoboric acid, orthophosphoric acid, tetraphosphoric acid, and sulfuric acid.

2,354,777
PAINTING MACHINE
Edward F. Schwartz, San Francisco, Calif.
Application December 31, 1942, Serial No. 470,856
2 Claims. (Cl. 91—30)



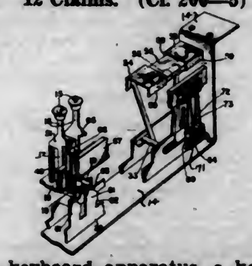
2. In a machine for painting plywood boards, means to create a paint reservoir upon the upper surfaces of the plywood boards as they pass through the machine, said means comprising a pair of spaced squeegees engageable with the upper surface of said plywood boards and forming front and rear walls of the reservoir, and pressure plates urged inwardly to yieldingly engage the opposite side edges of said plywood boards and forming side walls of said reservoir, one of said squeegees being arranged to spread the paint so that it will remain in a thin coat on the plywood boards as they pass from the reservoir, and yieldable means for pressing the last named squeegee downwardly toward the upper surface of said plywood boards.

2,354,778
FUEL CONSERVING DEVICE FOR INTERNAL-COMBUSTION MOTORS
Harold Wilford Simpson, Collinsville, Ill., assignor of one-half to Harold Miles Seago, Collinsville, Ill.
Application November 19, 1942, Serial No. 466,168
1 Claim. (Cl. 137—153)



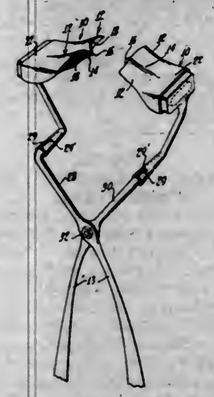
A valve device comprising a block having a cylindrical bore therein, a slot in said block in communication with the exterior thereof, a passage through the block transverse of the slot, a conduit in the block communicating with one end of the cylindrical bore, a plate valve slidingly mounted in the slot and having a port therethrough for controlling flow through said passage and having a channel in one end thereof for controlling flow between the block passage and the exterior of said block, a fluid pressure actuated plunger slidingly mounted in the cylindrical bore and operatively connected to said plate valve, a spring having one end secured in said plunger and its other end engaged by a movable disc, a countersunk plug closing the said one end of the cylindrical bore for receiving said disc, a set screw extending through said plug and engaging said disc, the port in said plate valve registering with said transverse passage and closing said valve plate channel when the spring is in its normal expanded position and said plate valve closing said block passage and opening said plate channel when the spring is in its compressed position.

2,354,779
KEYING MECHANISM
Raymond R. Smessaert, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 1, 1941, Serial No. 413,081
12 Claims. (Cl. 200—5)



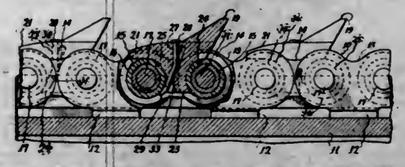
8. In a keyboard apparatus, a keyboard section having a set of integer members, a plurality of integer indexes associated with said members, one of said integer indexes being individual to each of said integer members, mechanical means responsive to the operation of a member for moving its corresponding index into display position whereby the numeral on said index may be visually observed to identify said moved member, a pair of contacts individually associated with each member and operable upon the depression thereof, and a common contact operated upon the operation of any member of said keyboard section.

2,354,780
DENTAL APPLIANCE
Howard T. Stewart, New York, N. Y.
Application August 15, 1941, Serial No. 406,938
8 Claims. (Cl. 128—62.1)



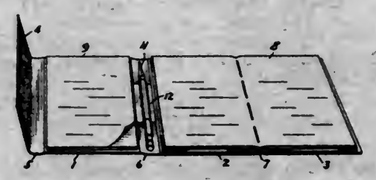
3. In a tooth and gum-treating device, a handle member, a head portion articulated to said handle member so as to be adapted to extend in substantial prolongation thereof or to extend backwardly with respect thereto, and tooth-treating means carried by said head portion and adapted in the first named position of said head portion to be used with teeth of the upper jaw and in the second named position of said head portion to be used with teeth of the lower jaw.

2,354,781
CUTTER CHAIN AND BIT
Charles E. Stoltz, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1943, Serial No. 508,314
21 Claims. (Cl. 262—33)



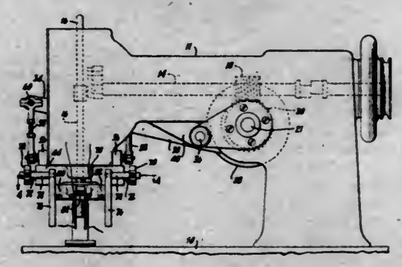
20. In an endless cutter chain, a plurality of pivotally connected links including a plurality of side straps with cross members extending therebetween, a plurality of cutter bits mounted between certain of said side straps and having engagement with said cross members, each of said bits having an apertured portion, and a pin adapted to be driven through said apertured portion and have engagement with one of said cross members, for locking said bit to said chain.

2,354,782
FOLDING POCKET TEXT OR WORK BOOK AND BINDER
James G. Stradling, Philadelphia, and Lyle F. Hance, Abington, Pa.
Application January 8, 1943, Serial No. 471,660
2 Claims. (Cl. 281—16)



1. A folding pocket text or work book and binder consisting of the combination of, a generally oblong cover having three rectangular boards of substantially the same width and one rectangular end board of substantially half that width, a covering of water- and vermin-proof cloth defining three joints between the boards, the cover adapted to be folded three times with the end board portion outside and to be spread flat, a group of comparatively wide saddle-stitched leaves permanently applied at the joint between the boards of the same width, and a group of comparatively narrow saddle-stitched leaves permanently applied at the joint between the small board and the other large board and adapted to open onto and lie upon the small board, the leaves of one group being spaced clear of the leaves of the other group at their confronting edges and at the center joint.

2,354,783
SEWING MACHINE
Charles Sturzlinger, New York, N. Y., assignor to K & P Fancy Stitching Machine Co., Inc., New York, N. Y., a corporation of New York
Application June 3, 1940, Serial No. 338,497
10 Claims. (Cl. 112—158)



1. A sewing machine comprising a needle bar, driving means for imparting stitch-forming movement to said needle bar, a pair of needle holders mounted on said needle bar for independent lateral movement, a pair of racks, each rack having operative engagement with one of said needle holders and serving to actuate its needle holder in a lateral direction, each rack having a separate worm gear meshing therewith, and cam means for imparting intermittently reversing rotation separately to said worm gears.

2,354,784
SUBSTITUTED p-p'-DIAMINO DIPHENYL SULPHONES AND A PROCESS OF MAKING THE SAME
Rudolf Tschesche, Berlin-Wilmersdorf, and Kurt Böhle, Berlin-Tempelhof, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application April 6, 1940, Serial No. 328,240. In Germany April 8, 1939
15 Claims. (Cl. 260—397.6)

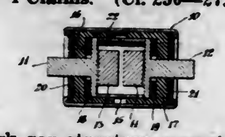
9. The (tetra ethoxy methylene) p,p'-diamino diphenyl sulphone of M. P. 148–150° C. with slight decomposition.

2,354,785
MAP
Paul von Rohl, St. Paul, Minn.
Application June 25, 1942, Serial No. 448,349
9 Claims. (Cl. 35—40)



1. A map comprising a pair of discs of equal diameter, map representations on said discs, one of said map representations showing the eastern hemisphere, the other showing the western hemisphere, means mounting said discs with the map representations thereof on a substantially single plane with the periphery of said discs in peripheral contact, and means for rotating said discs in unison.

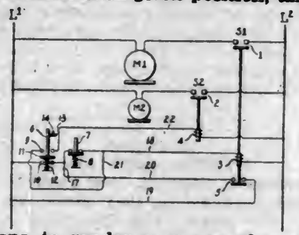
2,354,786
SPARK GAP
Alexander C. Wall, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 16, 1943, Serial No. 479,328
4 Claims. (Cl. 250—27.5)



1. A spark gap structure comprising a pair of rivet-shaped electrodes having flanges and heads of smaller diameter than said flanges on the faces of said flanges, a refractory insulating tube having its ends engaging the faces of said flanges and surrounding said heads, insulating cups receiving said rivet-shaped electrodes with the shanks of said electrodes projecting through the bottoms of said cups, a sheath enclosing the cylindrical outer surfaces of said cups and clamped over their bottom edges and urging them together, and deformable sealing washers between said sheath and said cups to hermetically seal said gap.

2,354,787
CONTROLLER FOR ELECTRIC MOTORS
Walter E. Addicks, Wellesley Hills, Mass., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 7, 1942, Serial No. 468,067
6 Claims. (Cl. 172—179)

6. The combination with at least two motors, of control means for said motors comprising electroresponsive starters individual thereto, a push button control station having a start push button and a stop push button each common to said starters and said start push button being biased to a given position but having limiting means which may be set to restrict its range of movement to exclude such given position, and circuit

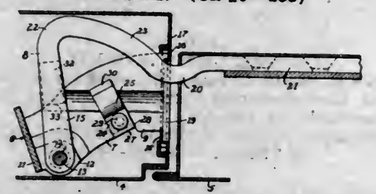


connections to render response of one of said starters dependent upon such given positioning of said start push button and upon prior response of another of said starters, and to render response of the latter starter dependent upon depression of the start push button to another given position.

2,354,788
METHOD OF PRODUCING CALCIUM CARBONATE
Edward M. Allen, Copley, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 4, 1942, Serial No. 441,709
5 Claims. (Cl. 23—66)

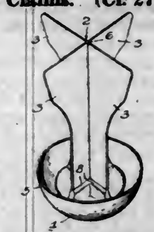
1. A method which comprises reacting calcium sulphate with sufficient sodium carbonate in an aqueous medium to form a double salt of sodium and calcium carbonate, recovering the double salt, and decomposing it to form calcium carbonate.

2,354,789
AUTOMOBILE DOOR HINGE
Lyle C. Atwood, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application August 26, 1940, Serial No. 354,185
3 Claims. (Cl. 16—135)



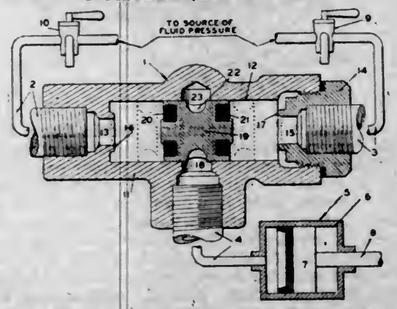
3. In combination, a hinge comprising an outer hinge member and an inner hinge member pivotally connected together by a pintle, the outer hinge member having at least one wall in a plane in closely spaced substantially parallel relation to an edge portion of the inner hinge member, in relation to which said edge portion of said inner hinge member is movable in the pivotal movement of said hinge members relative to one another, and a leaf spring detent on said wall in radially spaced relation to the pintle axis having a hump portion intermediate the ends thereof the crown of which projects normally into the plane of movement of the edge portion of the other hinge member so as to be deflected thereby in the sliding engagement of said edge portion with said hump, a single fastener extending through one end portion of said leaf spring detent and through said wall to fasten the detent in place thereon, said wall having an opening provided therein in radially spaced relation to the fastener, and a lug on the end portion of said leaf spring detent adjacent the fastener projecting into said opening to prevent turning of the detent relative to the fastener as a center and to assume end thrust independently of the fastener incident to sliding engagement of the other hinge member on the hump portion of said leaf spring detent.

2,354,790
SHUTTLECOCK
Bjorn O. Beck, Newark, Ohio
Application April 16, 1943, Serial No. 483,273
10 Claims. (Cl. 273—106)



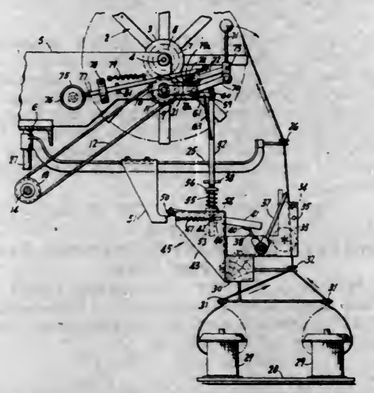
1. A shuttlecock comprising a hollow, spheroidal, cup-shaped head having vanes integrally connected to the inside central part of the head and extending rearwardly therefrom, said vanes extending laterally radially in planes that intersect in a longitudinal axis common to both the vanes and the head, said vanes and head being made of plastic material, the forward central portion of the head being of greater thickness than the marginal portion.

2,354,791
TWO-WAY VALVE MECHANISM
Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 5, 1943, Serial No. 474,803
3 Claims. (Cl. 251—118)



2. In valve mechanism for connecting one conduit to either of two other conduits, a cylinder having one of its ends communicating with one of said two conduits and its other end communicating with the other of said two conduits and being provided with a port intermediate its ends communicating with said one conduit, a piston slidable in the cylinder to opposite sides of the port for automatically selectively connecting said two conduits with said one conduit as a result of fluid pressure acting on the piston and coming from the selected conduit of said two conduits, an annular groove intermediate the ends of the piston, and a recess in the cylinder wall diametrically opposite the port and having an area at the cylinder wall substantially equal to that of said port at the cylinder wall, the axial length of the piston surface between the groove and each end of the piston being such that the recess cannot be cut off from communication with the port.

2,354,792
SKEIN WINDING MACHINE
John H. Bradnack and Donald C. Thompson, Roanoke, Va., and Herman C. R. Folmer, Swarthmore, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application May 21, 1943, Serial No. 487,868
7 Claims. (Cl. 242—53)

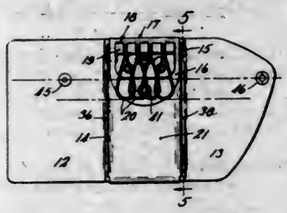


1. A winding machine comprising a winding core on a rotatable shaft, a driving shaft, means comprising a clutch for connecting the two shafts in driving relationship, a member movable to and from alternate positions for alternately engaging and disengaging the clutch, a cam member for controlling the movement of the movable member, an element movable in response to a predetermined length of material to be wound, a second element movable in response to breakage of the material being wound, each of the two elements being independently connected to the cam member for transmitting motion to the cam member in one direction only to effect motion of the movable member into the position to disengage the clutch upon the winding of a predetermined length of material or breakage thereof respectively.

2,354,793
FLEXIBLE POCKET RECEPTACLE
Douglas J. Broughton, Springfield, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application August 3, 1942, Serial No. 453,343
1 Claim. (Cl. 150—35)

A flexible pocket receptacle for keys and registration papers and the like, comprising a case forming member including a rectangular back member and closure flaps hinged to the side edges thereof, a flap hinged to the upper edge of the back member and folded thereon, a key retaining member carried by the last named flap adjacent its hinge, a flap, for reenforcing the case against sidewise collapse, hinged to the bottom edge of the back member, said reenforcing

flap folded beneath the key-carrying flap and extending upwardly to a line adjacent the hinge of the latter flap, a paper-carrying pocket carried by the reenforcing flap and available when the reenforcing flap is swung downwardly from beneath the key-carrying flap leaving the latter within the confines of the case, and fastening means for releasably connecting the key-carrying and reenforcing flaps together when both said flaps are folded into the case, said key-carrying flap being shorter than the reenforcing flap, said fastening means connecting said flaps at a point above the centerline of the case and permitting a limited sidewise movement of the reenforcing flap and short key-supporting flap relative to each other and to the back member of the case.



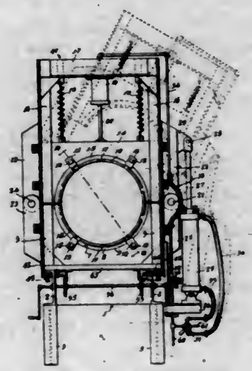
2,354,794

APPARATUS FOR MANUFACTURING TANKS AND THE LIKE

Walter A. Buehler, Cucamonga, Calif.

Original application November 18, 1939, Serial No. 305,130. Divided and this application October 22, 1941, Serial No. 416,091

2 Claims. (Cl. 113—102)



1. Apparatus for supporting a pair of tubular members in abutting relation comprising: a main frame, a lower form member fixedly mounted on said frame, an upper form member cooperating with said lower form member to define a work-receiving opening, and means supporting said upper form for linear movement toward and away from said lower form to engage and then release a pair of said tubular members positioned therebetween, said last-mentioned means including auxiliary frame means guiding said upper form for linear movement therewithin, and means supporting said auxiliary frame means for swinging movement on said main frame from a position in which said upper form is directly juxtaposed to said lower form into a position to one side of said lower form.

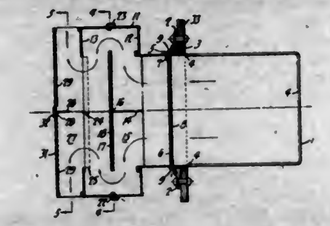
2,354,795

VENTILATOR

Kent S. Castle, San Francisco, Calif.

Application July 27, 1942, Serial No. 452,378

4 Claims. (Cl. 98—37)



1. A porthole ventilator comprising: a collar formed with longitudinally spaced, inwardly extending front and rear flanges; an internal transverse baffle plate supported within said collar intermediate and partially overlying said flanges by a pair of crossed, interlocked fins secured to said collar; an external transverse baffle plate supported in longitudinally spaced relation with respect to and at least partially overlying said rear flange; and an outwardly and longitudinally extending, generally cylindrical air scoop sealed to said front flange; said flanges and baffle plates forming a tortuous path over which air must pass in traveling through the ventilator.

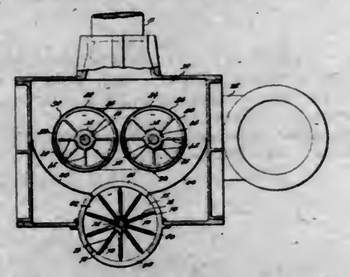
2,354,796

DEPOSITING APPARATUS

Ernest Clark, Brockton, Mass., assignor to Abington Textile Machinery Works, Boston, Mass., a trust of Massachusetts

Application April 9, 1943, Serial No. 482,392

3 Claims. (Cl. 19—75)



1. Apparatus for separating textile fibers from an air current comprising a separating chamber, two rotary condensers in the chamber each having a perforated cylindrical wall through which the air passes and on which the fibers are deposited, internal stationary baffles for the condensers to release the fibers, curved guides below the condensers, clearing means carried by one of the condensers to prevent accumulation of fibers on the adjacent guide, and air lock means into which the fibers are discharged from the guides to convey the fibers from the chamber to a region of different pressure.

2,354,797

SHOEMAKING

Anthony Cocosella, Lynn, Mass.

Application May 13, 1944, Serial No. 535,510

1 Claim. (Cl. 12—142)

The process of making platform shoes, which includes the steps of initially attaching the outturned margin of an upper and one edge of an inelastic binding strip simultaneously by stitching to the top marginal face of a stiff, full-length insole of substantial thickness, the upper and binding strip both extending inwardly from the line of stitching securing them to the insole and the stitching operation being gauged



against the stiff edge of the insole, then turning the binding strip and wrapping it smoothly and tightly about the edge of the sole off the last and inwardly over the bottom of the insole, inserting a last in the partially formed shoe, and subsequently cementing an outsole in place upon the inturned edge of the strip.

2,354,798

STABILIZATION OF MOTOR FUELS

Elmer W. Cook, New York, N. Y., and William D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 21, 1941, Serial No. 419,988

2 Claims. (Cl. 44—74)

1. A motor fuel comprising gasoline containing gum-forming constituents and 5 to 200 parts per million by weight based on the total weight of the fuel of 4-nitroso-4'-alkoxy diphenylamine as a gum formation inhibitor.

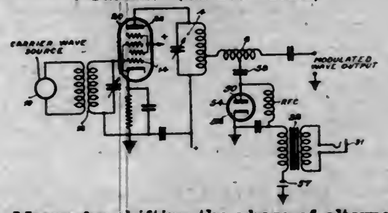
2,354,799

PHASE MODULATION

Murray G. Crosby, Riverside, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application July 26, 1940, Serial No. 347,587, now Patent No. 2,316,155, dated April 13, 1943. Divided and this application January 26, 1943, Serial No. 473,595

7 Claims. (Cl. 179—171.5)



1. Means for shifting the phase of alternating current comprising a reactance energized by wave energy, a diode tube, means connecting an electrode of the diode to a point on said reactance, means for impressing voltages the phase of which is to be shifted between a point on said reactance and the other electrode of said diode, and means for deriving voltages the phase of which may be varied by varying the impedance of said diode from another point on said reactance and said other electrode of said diode.

2,354,800

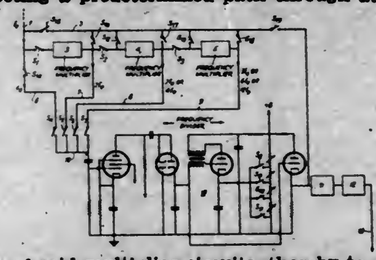
MULTIPLE FREQUENCY SOURCE

Harmon B. Deal, Glen Ridge, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 7, 1941, Serial No. 405,758

1 Claim. (Cl. 250—36)

A multiple frequency source comprising a single master frequency source, a plurality of frequency multiplier circuits, an adjustable frequency divider circuit, and manipulative switching means including push buttons singly operable to control a plurality of switch points for adjusting said frequency divider circuit and for selecting a predetermined path through at least



one of said multiplier circuits, thereby to obtain any one of a large number of output frequencies, said path being caused to extend from said master source through those of the multiplier and/or divider circuits which are to be utilized and to bypass the other circuits in accordance with the output frequency which is desired.

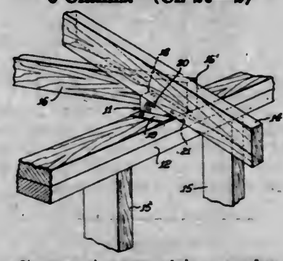
2,354,801

RAFTER SEAT

Paul De Huff, Los Angeles, Calif.

Application October 12, 1942, Serial No. 461,699

6 Claims. (Cl. 20—2)



1. A rafter seat comprising a sheet of metal bent to form a pair of horizontally disposed spaced base plate portions for seating on the upper face of a plate of a frame structure or the like; a rafter seat portion forming a joist supporting flat surface inclined with relation to said base plate portions; and a pair of vertically extending intermediate wall portions connecting said seat portion to the respective plate portions.

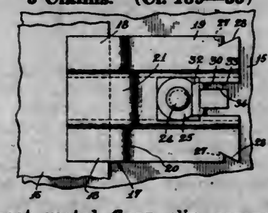
2,354,802

FLOOR CLIP

Ernest G. Doke, Chicago, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois

Application October 2, 1941, Serial No. 413,262

3 Claims. (Cl. 189—35)



1. A sheet metal floor clip comprising integrally connected offset sill-engaging ends and a

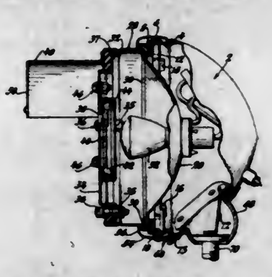
longitudinal stiffening rib which is spaced from each of the longitudinal edges of the clip and formed to lie away from the sill and board engaged by the clip; a bolt hole in the rib at a point substantially spaced from each of its ends; and a pair of spaced apart elongated nut-locking press-outs integral with the rib and joining the latter only at points adjacent to the bolt hole, said nut-locking press-outs lying wholly on one side of, and projecting at right angles away from, a line extending diametrically of the bolt hole and transversely of the rib, said nut-locking press-outs being cut wholly from the material of the rib and being adapted to be turned away from the plane of their contiguous portion of the rib to engage a side or sides of a nut threaded upon a bolt occupying the bolt hole.

2,354,803
VENETIAN BLIND
Robert B. Evans, Grosse Pointe, Mich.
Application December 30, 1942, Serial No. 470,581
26 Claims. (Cl. 160—168)



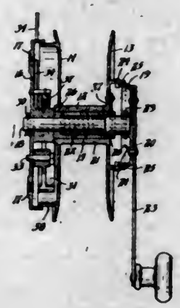
11. A Venetian blind comprising a tiltably mounted top rail, a series of slats supported in spaced relation therefrom to be tilted therewith, and a common flexible means to tilt said rail and slats and to collapse said slats suspended only from said tiltable top rail.

2,354,804
MOTOR VEHICLE LAMP
Robert N. Falge and Howard C. Mead, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 14, 1942, Serial No. 450,894
3 Claims. (Cl. 240—48.4)



1. In a military vehicle headlamp unit, in combination, an incandescent bulb and a casing comprising a reflector body, an extension ring, and a face plate, and including a peripheral mounting rim, the mounting rim being unitary with the reflector; the extension ring joined to the mounting rim and provided with cooperating flanges and a sealing gasket, the face plate being of opaque material having a marginal sealing flange adapted to seal against the extension ring, clamping means to secure said face plate to the ring, the face plate having a relatively long, narrow, horizontal slot to emit light from the bulb within the reflector housing; a lens mounted on the face plate and positioned behind the slot in the face plate, the unit being provided with a hood extending a substantial distance forwardly from the face plate and located above the horizontal slot, said hood including a semi-cylindrical curved top surface, a straight horizontal front edge, straight horizontal side edges in the same plane as the front edge, all of the edges, both side and front, being located at the approximate level of the horizontal slot of the face plate.

2,354,805
ANCHOR ROPE MECHANISM
Lincoln H. Fey, Northfield, Minn.
Application November 10, 1941, Serial No. 418,525
2 Claims. (Cl. 254—187)



2. Anchor line mechanism comprising, a stationary hub sleeve, a reel mounted for rotation on said hub sleeve, a crank having a shaft rotatable in said sleeve and axially movable therein, means for detachably connecting said crank to said reel at one limit of movement of said crank in said hub sleeve, a spring device connected between said hub sleeve and said shaft for urging said shaft toward its other limit of movement axially of the shaft, and a friction brake unit supported by said hub sleeve, said brake unit being movable into frictional contact with a portion of said reel.

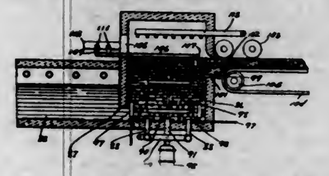
2,354,806
EXTENSIBLE ASSEMBLY
Boynton J. Fletcher, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1943, Serial No. 485,019
4 Claims. (Cl. 287—58)

2. An extensible assembly comprising a tube the inner diameter of which is decreased, at one end of the tube, in steps to form a socket composed of a series of concentric bores the smallest of which is adjacent the tube orifice, an extensible member adapted to be received within said tube and comprising an elongate body portion sized to operate through said orifice to form an extension of the tube, said member being provided with an enlarged end composed of a series of axially aligned cylinders of successively smaller diameter the smallest of which is adjacent said body portion, said cylinders being sized to be received with said socket with their surfaces slidably engaging the walls of the bores thereof, the length of said bores being so determined with respect to the length of said cylinders that contact between the socket walls and the surfaces of



the enlarged end is limited to a series of longitudinally spaced circumferential areas of differing diameters.

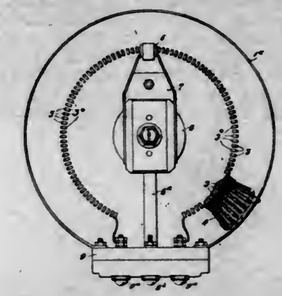
2,354,807
MANUFACTURE OF VESICULAR GLASS
John H. Fox, Pittsburgh, and William O. Lytle, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Original application December 24, 1937, Serial No. 181,630, now Patent No. 2,261,022, dated October 28, 1941. Divided and this application May 15, 1941, Serial No. 393,548
3 Claims. (Cl. 49—1)



3. An apparatus for preparing cellular glass comprising a chamber adapted to contain fused glass and having a wall with a discharge lip over which the fused glass is adapted to be discharged, means for feeding glass and a foam-producing ingredient below the surface of the fused glass in the chamber, an impeller disposed in the chamber above the fused glass and being provided with paddle means projecting into the molten foam and being movable substantially horizontally in the upper portion of the molten foam in order to successively eject portions of the latter outwardly over the lip and a conveyor disposed contiguous to the discharge opening to receive and carry away the molten foam as it is ejected over the lip.

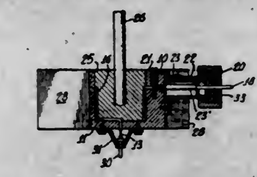
2,354,808
RHEOSTAT
Charles J. Ganci, New York, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application September 23, 1942, Serial No. 459,393
7 Claims. (Cl. 201—53)

1. A resistive device comprising a support, a plurality of contacts adjoining each other, a resistive conductor connected between said contacts, and a coating of insulating material embedding said conductor and the bases of said contacts and the connections of the resistive conductor thereto, said contacts being in the form of sheet metal strips and extending outwardly



from said insulating material, said contacts having their embedded bases flat and having notches at their inner flat ends for facilitating connection of the resistive conductor thereto, said conductor being wound around said inner ends and within said notches and soldered to the inner ends.

2,354,809
TRANSMISSION LINE LOAD FOR HIGH FREQUENCIES
Hallan E. Goldstine, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 18, 1942, Serial No. 458,801
10 Claims. (Cl. 201—64)

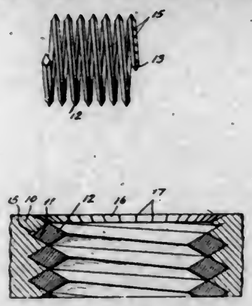


1. A high frequency load including a two-conductor line having at least one conductor with a high resistance per unit length for dissipating the energy applied to said line there being no electrically conducting path between said conductors.

2,354,810
SECURING WIRE INSERTS IN TAPPED HOLES
Otto Haas, Richmond Hill, and James Richard Hawkins, Flushing, N. Y., assignors to Aircraft Screw Products Company, Inc., Long Island City, N. Y., a corporation of New York
Application June 24, 1942, Serial No. 448,255
3 Claims. (Cl. 29—148)

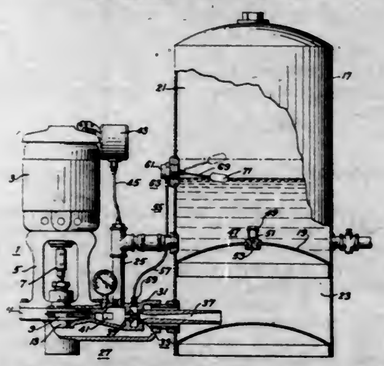
1. The combination of a member provided with an interiorly screw-threaded hole, with a wire coil insert therein, the top end of said coil being a short distance below the surface of said member in which said hole is provided, a portion of the topmost convolution of said coil being provided with a plurality of notches in its upper surface portion which is in engagement with the threading of said hole, and the convolution of the threading of the hole above said insert being bent downward and material thereof being pressed into engagement with said notches.

2. A method of securing a wire coil insert in the screw threading of a boss or nut member, comprising the steps of coiling the wire with a diameter originally slightly larger than the corresponding diameter of the threading for which it is destined, notching one end convolution of the coil in the outer portion of its end face inserting the coil with said end convolution trailing into said threading so that said end convolution is at some distance below the surface of the member in which said threading is provided, expanding said coil by applying pressure in radial direction, and then in a staking operation in



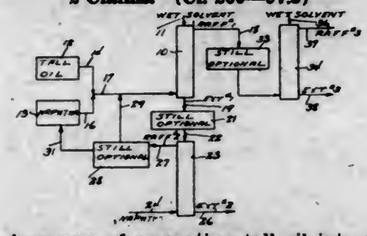
which the staking force is applied in an axial direction to a ring zone of the surface of said member with the axis of the threading as a center and with an inner diameter substantially equal to the inner diameter of said threading, simultaneously compressing the material of said member in contact with said end convolutions of the said coil, and in the same operation, deforming the portion of the threading between said surface of said member and said end convolution and forcing material of said member into said notches while maintaining the expanding pressure.

2,354,811
PUMP SYSTEM
Candido Jacuzzi, Berkeley, Calif.
Application August 3, 1940, Serial No. 350,201
13 Claims. (Cl. 103—6)



1. A pump system comprising a pump having an intake and a discharge opening, a pressure tank having a pressure chamber sealed to the atmosphere above the liquid level therein, and connected to said discharge opening whereby to develop and hold an air cushion in said pressure chamber upon operation of said pump, a suction line leading to said intake opening and including an air trap in series in said line to receive liquid passing through said suction line to said intake opening, and means for enabling air trapped therein to escape in response to a distribution of air cushion pressure in said system normally following operation of said pump, said means including an air passage leading from said air trap and terminating within said pressure tank below the normal liquid level range in said pressure tank.

2,354,812
SEPARATION OF TALL OIL INTO ITS CONSTITUENTS
John D. Jenkins, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application December 19, 1941, Serial No. 423,627
2 Claims. (Cl. 260—97.5)



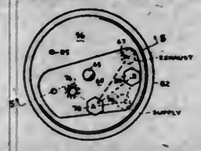
1. A process of separating tall oil into useful fractions, one being substantially enriched in resin acids and correspondingly impoverished in fatty acids and the other being substantially enriched in fatty acids and impoverished in resin acids, which process comprises admixing tall oil with a liquid hydrocarbon solvent, flowing it through a first zone countercurrently to and in contact with a mixture of water and a water miscible polar solvent which has a relatively high affinity for the resin acids and a lesser affinity for fatty acids and is insoluble in the hydrocarbon solvent and simultaneously subjecting the extract phase from the first zone to countercurrent washing in a second zone with a liquid hydrocarbon solvent having a relatively high affinity for fatty acids, the polar solvent exceeding the hydrocarbon in volume, flowing the hydrocarbon solvent used in said washing operation through the first zone, withdrawing a phase comprising the hydrocarbon solvent and the acids dissolved therein from the first zone and further extracting the last mentioned phase with additional polar solvent in a third zone to obtain two additional phases, one comprising hydrocarbon saturated with said useful fraction of fatty acids impoverished in resin acids and the other comprising the polar solvent saturated with a fraction rich in resin acids and poor in fatty acids.

2,354,813
PRODUCTION OF CHLORINATED DIPHENYL COMPOUNDS
Russell L. Jenkins, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 19, 1942, Serial No. 427,295
5 Claims. (Cl. 260—649)

1. The process of producing chlorinated diphenyl compounds free of nitro groups from a chlorinated mononitrodiphenyl of lower chlorine content which comprises the direct chlorination of the chlorinated mononitrodiphenyl in the presence of a metal halide chlorination catalyst at a temperature above approximately 200° C. but below approximately 350° C.

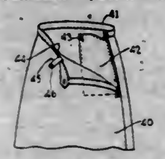
3. The process of producing chlorinated diphenyl hydrocarbons free of nitro groups from nitrodiphenyl hydrocarbons, which comprises the direct chlorination of the nitrodiphenyl hydrocarbon in the presence of a metal halide chlorination catalyst at a temperature below approximately 200° C. to produce a chlorinated nitrodiphenyl and thereafter continuing the chlorination while splitting out the nitro groups of the chlorinated nitrodiphenyl at a temperature above approximately 200° C. but below approximately 350° C.

2,354,814
THERMOSTAT
Frederick D. Joesting, Oak Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Original application August 2, 1940, Serial No. 350,003, now Patent No. 2,326,226, dated August 10, 1943. Divided and this application October 31, 1942, Serial No. 464,014
11 Claims. (Cl. 277—21)



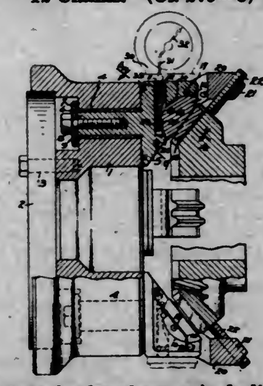
1. In a fluid pressure control device, in combination, a chamber, first and second ports in said chamber, first and second closing means for said first and second ports respectively, means biasing said closing means toward open position, a member adapted to engage said closing means to close the same, biasing means acting on said member to close said first closing means, actuating means acting on said member and adapted to rotate said member about said first closing means to close said second closing means in opposition to the force of said biasing means and on further movement to rotate said member about said second closing means to open said first closing means, whereby at least one of said port closing means is maintained in closed position for all positions of said actuating means.

2,354,815
GARMENT CONSTRUCTION
Murray Kay, New York, N. Y.
Application May 25, 1943, Serial No. 488,364
6 Claims. (Cl. 2—234)



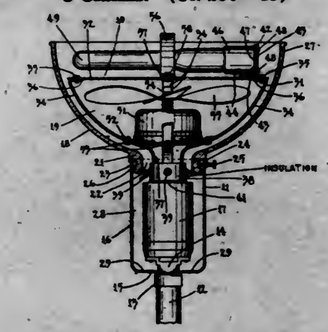
1. In a garment having a side opening and a front and rear waistband portion adapted to fasten at or adjacent said side opening, a buttonless side closure comprising a unitary pocket secured at its rear edge to the rear side portion of the garment at a position lower than the rear waist band and extending forwardly in overlapping relationship with the front portion of the garment, the extent of securement of said pocket at its said rear edge being less than the length of the side opening of the garment, whereby said pocket may be brought to a position where it overlaps the front of the garment externally thereof while maintaining the closure of said side opening, and means for removably securing the pocket, at its upper forward corner portion, optionally to the under or outer sides of the garment at its front waist band portion.

2,354,816
FIXTURE FOR GEARS
Alfred W. Klomp, Detroit, Mich., assignor, by mesne assignments, to Mahlon M. Matchett, Detroit, Mich.
Application July 12, 1943, Serial No. 494,410
12 Claims. (Cl. 279—8)



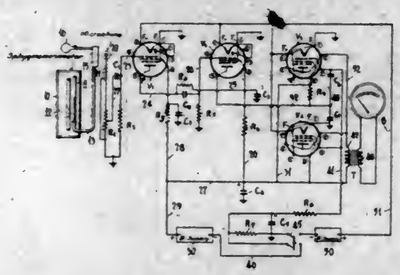
1. A fixture for bevel gears including a body, a plurality of tooth engaging members thereon each having means thereon for supporting a tooth of a gear, means for retaining the supported gear teeth in engagement with said members, each member being mounted for rotation about two axes angularly disposed to one another.

2,354,817
STERILIZER
Walter E. Law, St. Paul, Minn.
Application January 26, 1942, Serial No. 428,309
8 Claims. (Cl. 250—43)



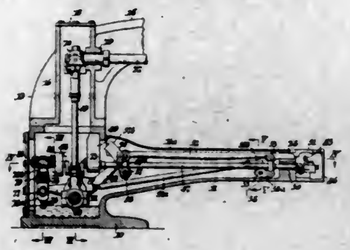
1. A sterilizer comprising a horizontally disposed disk having a central opening therein, a lamp socket attached to said disk at the margin thereof and exteriorly of the confines of said opening, a germicidal lamp carried by said socket and extending across said disk in proximity to said opening, a frame depending from said disk, a motor carried by said frame and a fan operated by said motor and disposed beneath said disk in proximity to the opening therein for forcing air through said opening and past said lamp and an electric plug attached to said frame for supporting the same.

2,354,818
ELECTRIC SPHYGMOMETER
Harry R. Lippitt, New York, N. Y.
Application November 1, 1941, Serial No. 417,549
4 Claims. (Cl. 128—2.05)



1. In combination with a sphygmomanometer for measuring blood pressure, a sphygmometer for indicating pulse beats which comprises a crystal microphone adapted to be placed in contact with a person in close proximity to an artery and to be subjected to the pulse vibrations, a pair of successive resistance-coupled thermionic amplifying stages connected with said microphone for amplifying the electrical variations produced by the pulse vibrations acting on said crystal microphone comprising two successive miniature type audio-frequency pentode tubes, a pair of miniature type power-output pentodes connected in parallel and adapted to amplify further the output energy from said first stages, and an electric meter connected to the output of said last-mentioned pentodes for visibly indicating the pulse beat vibrations by the variations of the readings registered on said electric meter.

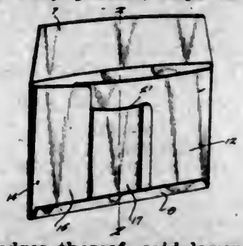
2,354,819
WORK ARM SEWING MACHINE
Frederick Lutz, Stuttgart, Germany, assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application October 12, 1940, Serial No. 360,857
In Germany October 18, 1939
14 Claims. (Cl. 112—220)



1. A sewing machine comprising a frame with a work supporting arm along which the work is fed, and an overhanging needle arm; an oscillating needle shaft mounted on the needle arm; an oscillating looper shaft parallel with the needle shaft and extending lengthwise of the work supporting arm; and a drive shaft in the frame extending crosswise of the needle shaft and the looper shaft below them and having an eccentric actuator thereon from which said needle shaft and said looper shaft separately but simultaneously derive their oscillatory movements.

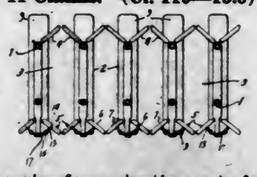
2,354,820
POCKET ENVELOPE
Frank L. McCarty, New Bedford, Mass.
Application June 29, 1942, Serial No. 448,967
1 Claim. (Cl. 229—72)

An envelope comprising a blank sheet of paper including a body portion, flaps at the upper



and lower edges thereof, said lower flap being gummed, and flaps at the side edges of the body adapted for folding inwardly upon each other against the body, one of said side flaps being of a height equal to that of the body and of a width less than the width of the body, and said side flaps being arranged in overlapping relation and with said one flap disposed behind and cooperating with the other side flap to form a main pocket with the body, the other of said side flaps having a portion the same height as that of the body and a portion of reduced height and foldable against the first side flap with the reduced portion only overlying the same to form a relatively shorter second pocket, and gummed sections on the inner surface of the said other side flap at each end of the reduced portion adapted for securing the flap at spaced points against the outer surface of the first-named side flap, said bottom flap being adapted to seal the bottom of both pockets, and said top flap being adapted to close the top of both pockets.

2,354,821
STARTING GATE
Donald M. Mackenzie, Vancouver, British Columbia, Canada, assignor to Magnetic Control Gate, Inc., Arcadia, Calif., a corporation of California
Application January 21, 1941, Serial No. 375,240
11 Claims. (Cl. 119—15.5)



1. In a barrier for a starting gate for races and wherein animals are maintained in starting position by side walls and front and rear gates: a pair of side members spaced apart to define a stall; a gate member associated with each of said side members and cooperable to form a closure for one end of said stall, each gate member having a fixed pivot supporting the same on its associated side member; a fixed pivot on each gate member at an intermediate position in the width thereof; a fixed pivot on each of said side members; toggle means operatively interconnecting the second-named pivots with the third-named pivots, the first-named pivots being a shorter distance from each other than the third-named pivots; and stop means operatively associated with said toggle means for preventing inadvertent movement of said gate members from closed to open position.

2,354,822
PIE LIFTER
Laura Rose Meyran, Fresno, Calif.
Application September 18, 1943, Serial No. 502,973
1 Claim. (Cl. 99—429)



A pie pan comprising a bottom and a side wall, an axial headed stud arising from said bottom, and a lifter section of segmental form and sheet material fitting in said pan and having a notched apex end straddling said stud beneath the head thereof, and a flange fitting against said wall and provided with a handle extending over the rim of the pan, said handle terminating outwardly of said rim in a right angled portion of double thickness of the material and forming a downturned tab.

2,354,823
PURIFICATION OF CAUSTIC SOLUTIONS
Irving E. Muskat and Fred D. Ayres, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application March 25, 1940, Serial No. 325,786
3 Claims. (Cl. 23—184)

1. A process for purifying aqueous alkali metal hydroxide containing silica as an impurity which comprises contacting said solution with a material of the group consisting of liquid ammonia and mixtures of liquid ammonia and water in an amount sufficient to insure the separation of two liquid phases, the heavier of which contains a major portion of the silica, recovering the lighter of said phases, adding sodium hydroxide thereto to cause a separation of a second pair of liquid phases and separating the phases of said second pair.

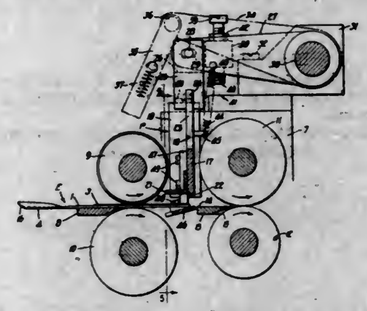
2,354,824
RECEPTACLE FOR CAUSTIC ALKALI
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application January 15, 1941, Serial No. 374,602
2 Claims. (Cl. 206—84)

1. An article of manufacture comprising a metallic receptacle containing an aqueous solution of an alkali metal hydroxide of at least about 50 percent concentration, the interior surface of said receptacle being covered with a composition comprising a benzene soluble ethyl cellulose and polystyrene.

2,354,825
MEANS AND METHOD FOR DECURLING ENVELOPE FLAPS
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application January 4, 1941, Serial No. 373,960
8 Claims. (Cl. 93—62)

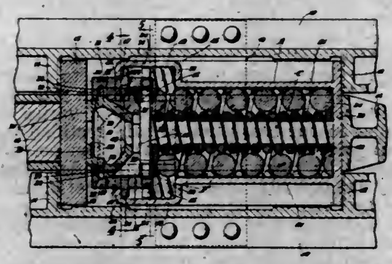
1. The method of decurling the gummed flap of an envelope blank which consists in advancing the blank toward a member having a substantially flat guide surface terminating in a decurling edge, elevating the leading edge of the blank above the level of the decurling edge while advancing the blank, bending the flap downwardly about the decurling edge and drawing the envelope blank along the guide surface of said member while maintaining the flap bent about the decurling edge.

4. In an envelope machine, apparatus for decurling the trailing gummed flap of a traveling envelope blank comprising a sharp decurling edge transversely engaging the ungummed side of the blank, and a blank-bending device movable into engagement with the blank in advance of said edge, including a bending member engageable with the gummed side of the blank immediately in advance of the edge and mov-



able into overlapping relation to said edge, arranged to bend the flap across said edge at an angle sufficient to decurl the flap during travel around the edge, and a flap-deflecting member located in advance of the bending member, movable into engagement with the gummed side of the curled flap in bending the curled flap more sharply in the same direction in which it is bent by the deflecting member.

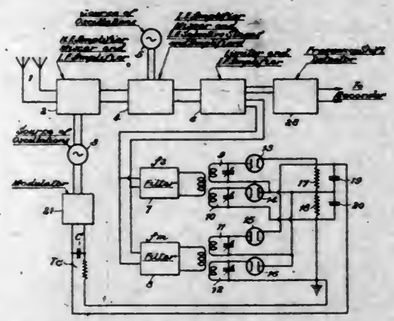
2,354,826
FRICTION SHOCK ABSORBING MECHANISM
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application January 30, 1942, Serial No. 428,906
8 Claims. (Cl. 213—24)



1. In a friction shock absorbing mechanism, the combination with a spring cage open at one end, said cage having laterally inwardly overhanging diametrically opposite flanges at opposite sides of said open end, said flanges being interrupted at the top and bottom of the cage to provide recesses; of a friction shell telescoped within the open end of said cage between said stop flanges, said shell having radial lugs engageable in back of the shoulders of the cage to limit outward movement of the shell, said lugs being of lesser width than the recesses at the top and bottom of the cage to freely enter said recesses when

aligned therewith, said shell being rotatable about its longitudinal axis with respect to the cage to displace said lugs of the shell from said aligned position to a postion in back of said flanges of the cage; a friction clutch slidable within the shell; a spring follower within the cage locked against rotation with respect to the cage; interengaging locking means on said spring follower and shell for holding said shell against rotation with respect to the cage to prevent disengagement of said lugs from said shell flanges; and spring resistance means holding said spring follower in locking engagement with the shell.

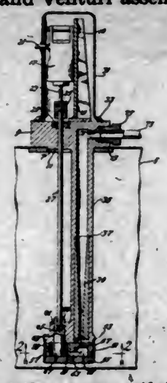
2,354,827
FREQUENCY CONTROL
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 23, 1941, Serial No. 394,761
9 Claims. (Cl. 250—8)



1. In means for producing current the value of which changes in a manner which corresponds to changes in frequency of energy comprising two waves of different frequency and their side bands resulting from modulation of said waves including modulation of one or the other thereof to substantially zero wave amplitude at all times, selective circuits for substantially separating said waves one from the other, a frequency discriminator circuit coupled to each of said selective circuits, an impedance, and a separate differential rectifier system coupling each of said discriminator circuits to said impedance whereby currents flow in said impedance due to rectification of the stronger of said waves to produce in said impedance a potential which varies with changes in the frequency of said rectified wave, the arrangement being such that the potentials produced by current from the rectifier systems are of like polarity, said separate differential rectifier systems and frequency discriminator circuits each including means for producing voltages which differ in direction as the frequency of the wave applied to the discriminator circuits vary in frequency above or below a predetermined mean frequency.

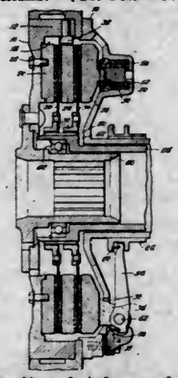
2,354,828
FUEL PUMP
Olaf Rasmussen, Dayton, and Everett L. Baugh, Miamisburg, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 25, 1943, Serial No. 473,484
2 Claims. (Cl. 103—262)

1. In a fuel system, a tank, a pump within the tank, motor means to drive the pump, a delivery conduit extending from the outlet of said pump, an aligned jet and Venturi assembly within said



conduit adjacent the pump outlet and other conduit means leading from the tank to the region between the jet and venturi.

2,354,829
FRICTION CLUTCH
Harold V. Reed, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 23, 1942, Serial No. 452,046
10 Claims. (Cl. 192—69)



1. In a multiple disc clutch, an abutment member, a plurality of pressure plates axially movable relative to said abutment member, and means for transmitting axial movement of one of said plates in reduced amount to another of said plates, comprising a lever disposed intermediate said one plate and said abutment member and axially spaced from the plane of said other plate, said lever being fulcrumed with reference to said abutment member at one end and engaging said one plate at its other end, and a link in thrust receiving association with said lever, extending axially and connected to said other plates.

2,354,830
ALTERNATIVE TWO OR FOUR WHEEL STEERING
William L. Reid, Saginaw, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 10, 1942, Serial No. 454,246
2 Claims. (Cl. 280—91)

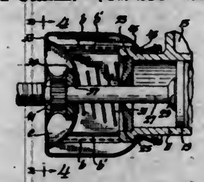
1. In a motor vehicle, a pair of dirigible road wheels, means for steering said wheels including

a manually operated rockshaft, arm means thereon, steering linkage connecting said wheels, a first drag link connecting said linkage and arm means, a second pair of dirigible wheels, second steering linkage for the wheels of said second pair, a second drag link terminally connected to said second linkage, a support on said vehicle midway between said pairs of wheels, first and second coaxial shafts rotatable in said support, first and



second lever arms on the remote ends of said coaxial shafts respectively, the second drag link connected to the second lever arm, a connecting link terminally connected to the first lever arm and to the arm means of the rockshaft, jaw clutch means associated with the adjacent ends of said coaxial shafts and with said support whereby said adjacent ends of the coaxial shaft may be locked together or whereby the second coaxial shaft may be locked to the support.

2,354,831
CYLINDER BOOT
Richard C. Rike, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 31, 1942, Serial No. 456,798
1 Claim. (Cl. 286—29)



A flexible boot of inelastic material and of substantially conical form, the apex being apertured to embrace a piston rod and the marginal edge of its base being substantially circular and adapted to surround and to be secured to a cylinder end, said cone having a plurality of arms extending from its apex, the edges of said arms being made up of rectilinear parts angularly related to each other and terminal rectilinear parts, the said last named terminal parts on each arm being parallel with a line extending from said apex midway between the edges of the arm, the adjacent edges of said arms being secured together to form seams whereby, in response to relative reciprocal movement of said cylinder and piston rod, said conical boot may roll along the seams and fold along lines joining the seams.

2,354,832
ADJUSTABLE BRACKET AND BRUSH FOR WINDOW SHADES
George Ristine, Philadelphia, Pa.
Substituted for abandoned application Serial No. 248,405, December 30, 1938. This application June 13, 1944, Serial No. 540,074
6 Claims. (Cl. 160—11)

1. In a device of the kind described, the combination of two bracket members adjustably connected and including outwardly projecting brackets to hold a shade roller and a shade there-



on, brush supports on said brackets, and brushes on said supports to engage opposite faces of the depending portion of the shade.

2,354,833
HOSE CLAMP
Horace L. Roberts, Mount Vernon, N. Y.
Application May 8, 1943, Serial No. 486,121
5 Claims. (Cl. 24—19)



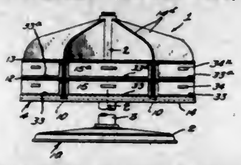
1. A hose clamp comprising, a flexible metal band adapted to embrace a hose, a head with which one end of the band is engaged, said head having spaced walls, each of said walls having an aperture, a split pin extending through said apertures, the second end of the band extending into the split in the pin, whereby a portion of the band adjacent to said end will be wound about the pin when the pin is rotated in the apertures, and a locking screw operative through the head against the portion of the band that is wound about the split pin to maintain the position of the same.

2,354,834
SPRING ASSEMBLY
Edward Robey, Los Angeles, Calif.
Application November 14, 1942, Serial No. 465,531
7 Claims. (Cl. 5—255)



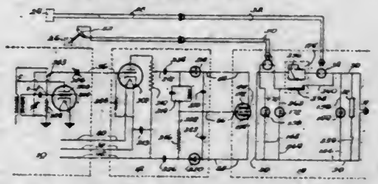
1. A spring assembly which includes: a spinal member having a portion of its opposite faces curved longitudinally with an angular slot at one end of each curved face; and flexible leaves mounted in said slots and extending angularly over said curved portions, whereby said leaves can be flexed toward said spinal member.

2,354,835
CABINET
Philip Rosenberg, New York, N. Y.
Original application January 3, 1942, Serial No. 425,495, now Patent No. 2,326,255, dated August 10, 1943. Divided and this application April 21, 1943, Serial No. 483,852
2 Claims. (Cl. 312—150)



2. In a cabinet structure which includes an upright central shaft, in combination, a sleeve rotatably mounted on the shaft, a platform having a circumferential upstanding flange of scant height, a series of vertically disposed radial dividers connected to the sleeve and to the platform to divide the platform into a series of sectors, and a sector-like cabinet frame section adapted to fit in one of the sectors comprising vertical converging side walls and horizontal top and bottom walls, said bottom wall including an inwardly extending tongue which is confined beneath a portion of the sleeve when the outer end of the cabinet section is fitted within the circumferential flange of the platform.

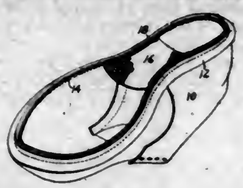
2,354,836
APPARATUS FOR RECORDING THE BROADCAST STATION TO WHICH A RADIO RECEIVER IS TUNED
Hugo L. Rusch, Highland Park, Ill.
Application May 12, 1939, Serial No. 273,300
10 Claims. (Cl. 234—1.5)



1. Apparatus for denoting the radio broadcast stations to which a radio receiving set is selectively tuned, including in combination, means for deriving from the receiving set a signal voltage having a variable characteristic indicative of the station to which the set is tuned, and means responsive to said characteristic for denoting the variations in said characteristic and thus the stations to which the receiving set is tuned.

2,354,837
PREWELT SHOE MANUFACTURE
Edward L. Sawyer, Washington, D. C., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 17, 1941, Serial No. 423,264
1 Claim. (Cl. 12—142)

That method of making prewelt shoes comprising stitching a welt to the margin of an upper, in the course of the stitching operation securing the opposite ends of an elastic band to the welted margin at opposite sides of the shank portion of the upper, said band in its normal contracted position being shorter than the width of the shank portion of the bottom of the form on which the upper is to be lasted, mounting the upper on the last, pulling the toe end of the upper over the last, employing the tension of the elastic band to



hold the upper in pulled over position on the last, and while the position of the upper on the last is maintained by the band lasting the upper and completing the shoe.

2,354,838
WAXY STARCH PRODUCT AND METHOD OF MAKING
Herman H. Schopmeyer and George E. Felton, Hammond, Ind., assignors to American Maize-Products Company, a corporation of Maine
No Drawing. Application August 8, 1940, Serial No. 351,914
7 Claims. (Cl. 127—33)

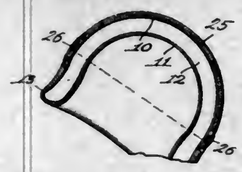
1. In making a thin bodied starch of high adhesive strength, exceptional clarity and freedom from set back of its aqueous gel, the method which comprises forming a mixture of waxy starch and water, treating the mixture with an active oxidizing agent at a pH of about 7 to 11 and at a temperature below the pasting point of the starch until the reaction between the oxidizing agent and the waxy starch is substantially complete, and separating the resulting starch product from the suspension.

2,354,839
BUS OR CAR WINDOW CONSTRUCTION
Joseph Schunk, Union, N. J., assignor to The National Lock Washer Company, Newark, N. J., a corporation of New Jersey
Application January 19, 1942, Serial No. 427,342
2 Claims. (Cl. 189—72)



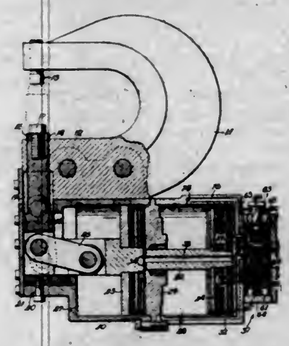
1. In a window construction, a side post channel assembly including inner and outer stop portions and a base portion, and a window sash having a vertical side adapted to be engaged within said channel assembly in spaced relation to said base portion with its inner and outer side surfaces engaged by said stop portions, the engagement between said outer side surface and said outer stop portion being frictional and presenting a water-pervious passage through which water driven transversely may pass to said space, and the engagement between said inner side surface and said inner stop portion being frictional and presenting a passage through which water collecting in said space may leak, said outer stop portion having a water drainage opening therethrough extending to the space between said window sash and said base portion whereby water entering said space through said water-pervious passage between said outer stop portion and the outer side surface of said sash drains outwardly through said drainage opening.

2,354,840
ANTICONCUSSION HELMET
Emil Selets, Los Angeles, Calif.
Application May 5, 1942, Serial No. 441,796
2 Claims. (Cl. 2—6)



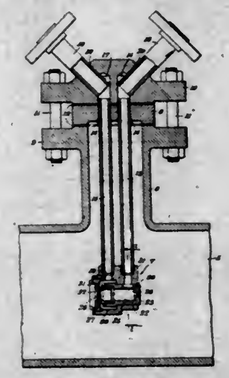
1. The combination with a substantially semispherical helmet provided in the greater portion of its outer surface with a shallow recess, of a cup shaped protective member of thin hard metal removably seated in said shallow recess with the outer surface of said cup-shaped member flush with the surface of the helmet outwardly from the recess therein.

2,354,841
OPERATION CONTROLLING MEANS FOR PRESSURE FLUID ACTUATED TOOLS
Ernest H. Shaff, Grand Haven, Mich., assignor to Keller Tool Company, Grand Haven, Mich., a corporation of Michigan
Original application November 4, 1937, Serial No. 172,681, now Patent No. 2,313,843, dated March 16, 1943. Divided and this application December 7, 1939, Serial No. 307,986
11 Claims. (Cl. 121—38)



1. A cycle governing mechanism for a riveting tool of the character described comprising a barrel, pressure fluid operated piston means and means for supplying piston-motivating pressure fluid; said cycle controlling mechanism including a reciprocable plunger valve and resilient means for normally urging said plunger valve into position to direct the pressure fluid to actuate said piston means in the driving stroke, said plunger valve having a chamber at one end thereof; and means communicating with said barrel for delivering pressure fluid from the barrel to said chamber at the end of said driving stroke to shift said plunger valve in opposition to said resilient means for directing the pressure fluid to return the piston means to starting position, and means controlled by the plunger valve when in its shifted position to connect said chamber with said source of pressure fluid whereby to hold the valve in its shifted position.

2,354,842
DESUPERHEATER
Paulsen Spence, East Orange, N. J., assignor to Spence Engineering Company, Inc., Walden, N. Y., a corporation of New York
Original application August 6, 1938, Serial No. 223,444. Divided and this application February 23, 1942, Serial No. 431,977
7 Claims. (Cl. 261—116)

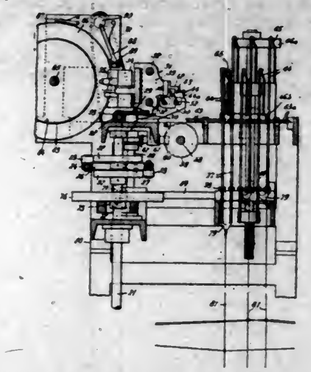


1. A nozzle head for a desuperheater including a head body having a bore therein, a water nozzle plug in said bore and having a longitudinally extending passage therein, a water nozzle detachably secured to said plug and having an exit passage therein, a water inlet connection to the passage of said plug, said water inlet connection entering said plug at an angle to the axis thereof and eccentrically of the passage therein, and a steam nozzle detachably secured to said head body and having an exit passage concentric with the exit passage of said water nozzle, a steam inlet connection to said head body, and an annular space surrounding said water nozzle and open to said steam inlet, whereby steam may flow concentrically of said water nozzle and steam and sprayed water may issue simultaneously from said nozzle.

2,354,843
CONTROL MECHANISM
William S. Tandler, David Walker, and William Teller, New York, N. Y., assignors to Lefler Corporation, New York, N. Y., a corporation of Delaware
Application September 12, 1941, Serial No. 410,516
8 Claims. (Cl. 139—319)

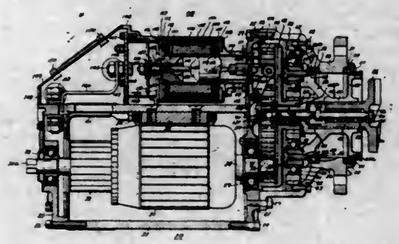
1. In an apparatus for controlling the operation of a plurality of machine parts, the combination of a group of selector members, a group of control elements, one for each member, elongated connectors attached to the control elements and adapted to be connected to said parts, said elements and connectors normally occupying definite initial positions, means for moving the elements to new positions and simultaneously advancing the connectors endwise with the elements, means movable along the group of selector members and operable to select and move members of the group to positions in which the selected members engage their respective control elements and hold them and their connectors in their new positions, means acting on the control elements and their connectors to resist movement thereof from their initial positions, said means acting after said selected selector members have

engaged their respective control elements to restore the remaining control elements and their



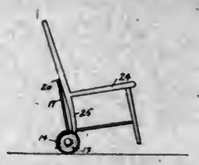
connectors to their initial positions, and pattern-controlled means for controlling the operation of the selecting and moving means.

2,354,844
ENGINE STARTER
Herbal A. Thornburg, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 9, 1942, Serial No. 426,181
3 Claims. (Cl. 74—6)



1. An engine starter comprising an electric motor having a field frame, an armature shaft and end frames attached to the field frame and carrying bearings which support the shaft, a gear housing attached to one of the end frames of the motor, a tubular shaft supported by the housing, speed-reduction gearing in the gear housing for connecting the armature shaft with the tubular shaft, a driving member for making engagement with a shaft of the engine to be started, said member being supported by the tubular shaft centrally thereof, means provided by the tubular shaft and member for drivingly connecting said shaft and member while providing for longitudinal movement of the member into and out of connection with the engine shaft, means for effecting longitudinal movement of the member and including a rod extending through the tubular shaft and into the gear housing and including an electromagnet having an armature and mounted upon the motor field frame and a device located in the gear housing for transmitting motion from the armature of the electromagnet to said rod, and a motor switch supported by the motor field frame and closed by the armature of the electromagnet as the latter is moved to operate said rod and cause engagement of said driving member with the engine shaft.

2,354,845
WHEEL FOR CHAIRS
Edward C. Thornton, Youngstown, Ohio
Application March 9, 1942, Serial No. 433,965
1 Claim. (Cl. 280—61)



The combination of a straight chair having a back and legs and wheel and axle assembly therefor, the said wheel and axle assembly comprising an axle having wheels mounted on the opposite ends thereof and provided with underslung cupped members positioned forwardly thereof and adapted to receive the back legs of the said chair, a projecting bracket formed on the said axle midway between the said ends thereof and forwardly thereof, a lever arm affixed to the said projecting bracket and extending upwardly therefrom and adapted to engage the back of the said chair positioned on the device, the location of the cupped leg receiving portions and the projecting bracket carrying the said lever arm causing the said chair to maintain its position on the said device when supported manually by the back thereof.

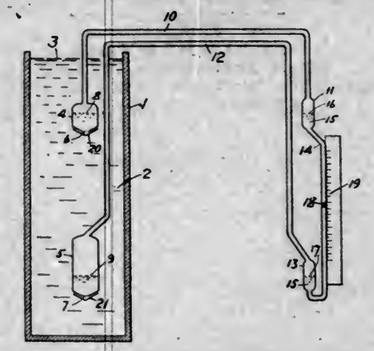
2,354,846
N-POLYHYDROXYALKYL-PHENYLAMINES AND METHOD FOR THEIR PREPARATION
Friedrich Weygand, Heidelberg, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 14, 1941, Serial No. 383,345. In Germany April 6, 1940
21 Claims. (Cl. 260—211)

1. An N-phenyl-isopentosamine.

5. A process for preparing N-phenyl-isoglycosamines which comprises the step of effecting a molecular rearrangement of the N-phenylaminoglycosides by subjecting the latter to the catalyzing action of about .002–.02 mol of an acid reacting medium per mol of the phenylaminoglycoside in 2–4 mols of a diluent selected from the group consisting of water and a lower molecular weight alcohol.

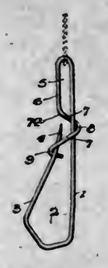
2,354,847
REMOTE-READING SPECIFIC-GRAVITY INDICATOR
Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application October 25, 1940, Serial No. 362,769
3 Claims. (Cl. 265—44)

2. In apparatus for indicating the specific gravity of a liquid, the combination of two hollow vessels immersed in the liquid at different levels, each open below to give access to the liquid but closed to the liquid above, a specific gravity indicating device comprising two hollow bulbs located at different levels and connected at their lower ends by an indicating tube, transparent over at least a part of its length and of smaller internal cross-section than that of the bulbs, a pressure tube connecting the upper space in the uppermost vessel with the upper space in the uppermost bulb, another pressure tube connecting the upper space in the lowermost vessel with the upper space in the lowermost bulb, a liquid filling the indicating tube and the lower spaces of the two bulbs of which a section is of a different color from the rest and is located in a transparent portion of the indicating tube, and gas filling



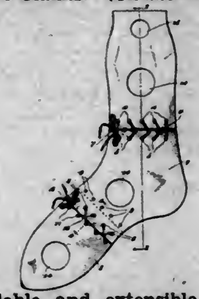
the pressure tubes and the upper spaces in the vessels and the bulbs, the height of the gas-filled space in the lowermost vessel being substantially greater than that in the uppermost vessel whereby compensation for the effects of changes of temperature of the first-mentioned liquid on its specific gravity is effected.

2,354,848
FISH STRINGER AND THE LIKE
Charles R. Carpenter, Robbinsdale, Minn.
Application September 27, 1941, Serial No. 412,649
10 Claims. (Cl. 24—161)



1. A hook comprising a stem providing a longitudinal keeper guarding portion; resilient loops joined by said stem; one of said loops providing a hook having a free-end hook bill under spring urge to move substantially in a longitudinal plane of said stem portion in a direction away from said portion, the movement of said bill in the opposite direction being limited by said guarding portion of the stem; the other loop including a free end leg provided with a hook-bill keeper for straddling said hook bill, said keeper being open at its side facing said stem portion, said keeper being maintained by said leg in substantially said longitudinal plane of said stem portion, said leg and its keeper being under spring urge to move laterally toward said stem portion; means being provided for the reception of temporarily applied force to said leg to move said keeper in a direction laterally from its normal position guarded by said stem portion, for release of said hook bill from said keeper with respect to said stem portion.

2,354,849
FOLDABLE AND EXTENSIBLE SOCK STRETCHER AND DRIER
Mabel Dorsey Causer, Sarasota, Fla.
Application March 17, 1943, Serial No. 479,445
5 Claims. (Cl. 223—77)



1. A foldable and extensible sock-stretcher and drier, comprising exactly three sections which combined form a complete form of the entire shape of a foot flattened, without extra appurtenances, namely, a hinged upper leg section, a central unbroken heel, ankle and instep section, and a lower section comprising in one portion all of the remainder of the foot portion and the toe portion; the said lower section overlapping the central section, and both being provided with an adjustment and extension means whereby the lower foot section fits and sets in three distinct extension positions, the first an overlapping minimum short size, the second an overlapping materially larger size, and the third an abutting maximum size in which the sections do not overlap but lie in the same plane edge against edge; and a single means for simultaneously hinging the said two sections foldably and in any one of the three positions extended or retracted, with the sock or socks thereon stretching and folded away.

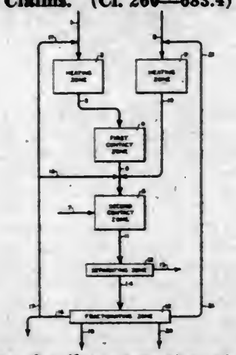
2,354,850
TRACTOR CONTROLLED HARROW
Curtiss L. Cook and Austin E. Young, Syracuse, N. Y., assignors to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y., a corporation of New York
Application December 17, 1941, Serial No. 423,326
12 Claims. (Cl. 55—104)



1. A harrow comprising a draft frame including a transverse bar, a plurality of runners pivotally connected at their forward ends with said bar, a plurality of transverse tooth bars rockably connected with said runners and carrying harrow teeth, a longitudinally shiftable member slidably connected with said draft frame and operatively connected with said tooth bars whereby rearward movement of said draft member relative to said draft frame swings said teeth into operating position and forward movement of said draft member relative to said draft frame swings said teeth into transport position, a hand lever mounted on

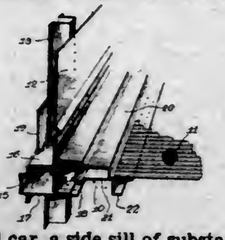
said draft frame and adapted to be fixed in various positions relative thereto, and releasable locking mechanism connected between said hand lever and said draft member whereby the latter may be locked in its rearward position and the hand lever shifted to adjust the operating depth of said teeth.

2,354,851
PROCESS FOR EFFECTING HYDROCARBON CONVERSION REACTIONS
Joseph D. Danforth, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 27, 1941, Serial No. 416,673
29 Claims. (Cl. 260—683.4)



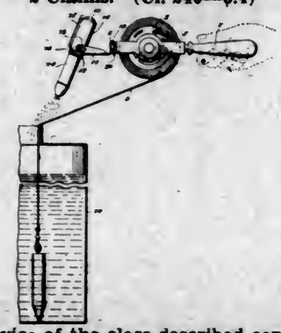
21. A process for the conversion of hydrocarbons which comprises passing a stream of paraffinic fluid through and in relative movement with a bulk supply of metal halide catalyst of the Friedel-Crafts type in a first zone under conditions such that only a portion of said catalyst is picked up by and carried in said stream, said fluid and conditions being such that no appreciable chemical reaction is effected between the fluid and said catalyst in the first zone, introducing the catalyst-containing effluent from said first zone and an olefinic reactant to a second zone maintained under alkylating conditions, and reacting a substantial portion of said paraffinic fluid with said olefinic reactant in said second zone in the presence of catalyst supplied thereto from the first zone.

2,354,852
SIDE SILL CONSTRUCTION FOR RAIL CAR BODIES
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application September 22, 1939, Serial No. 296,026. Divided and this application May 23, 1942, Serial No. 444,161
7 Claims. (Cl. 105—418)



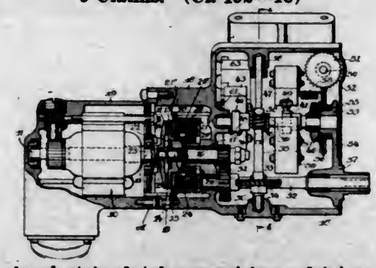
1. In a rail car, a side sill of substantially continuous double box cross-section from end to end and fabricated of a plurality of sheet metal strips, most of which extend the length of the car and at least one of which is common to both box cross sections, one of said box-cross section portions of the sill extending inwardly of the side wall posts and forming the major portion of the transverse width of the sill.

2,354,853
FLASHLIGHT HOLDER
Effie E. Dobbs, Texas City, Tex.
Application July 8, 1942, Serial No. 450,171
2 Claims. (Cl. 240—6.4)



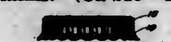
1. A device of the class described comprising a flashlight, a holder concavo convex in cross section and having its inner end cut away to form a transverse stop shoulder defining spaced longitudinal ears for pivotal connection with the flashlight, the outer end of the holder being provided with a substantially U-shaped hook extending transversely thereof for detachable engagement with the frame of a tape reel.

2,354,854
ELECTRIC CLUTCH AND BRAKE MECHANISM
Howard F. Doll, Racine, Wis., assignor to The Dumore Company, a corporation of Wisconsin
Application August 15, 1942, Serial No. 454,904
9 Claims. (Cl. 192—18)



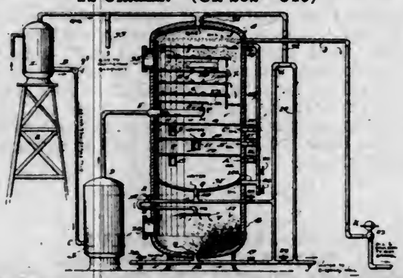
1. An electric clutch comprising a driving plate and a driven member, said driven member consisting of a non-magnetic disk with a magnetic ring secured thereto, an electromagnetic winding in a cylindrical housing positioned on the opposite side of said non-magnetic disk from said driving plate and having an air gap in the inner surface of said housing, offset from the middle of and surrounding said magnetic ring, which latter constitutes a floating armature tending to center itself with respect to said air gap by movement toward said driving plate, when said electromagnet is energized, thus insuring movement of said non-magnetic disk away from said magnet housing, when the winding is energized, and into frictional engagement with said driving plate.

2,354,855
CONTAINER CLOSURE
Edward Cornell Emanuel, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application August 22, 1941, Serial No. 407,957
5 Claims. (Cl. 215—40)



1. A container closure including a sealing element comprising a base of relatively thick and compressible material and a facing film of vinylidene chloride resin adhered to said base by means of an adhesive comprising polyisobutylene, hydrogenated rosin, and a terpene polymer.

2,354,856
MEANS AND METHOD FOR TREATING CRUDE OIL AND EMULSION FROM OIL WELLS
Ransome W. Erwin, Tyler, Tex., assignor to Salt Water Control, Inc.
Application June 8, 1942, Serial No. 446,194
11 Claims. (Cl. 252—346)



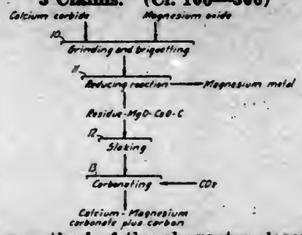
11. A method of treating crude oil containing a mixture of oil, water and water-oil emulsion, which comprises roughly separating the water from the mixture, passing the water downwardly to a water treating zone, and the oil and emulsion upwardly to an oil treating zone, then further separating any remaining oil from the water in the water treating zone and further separating water from the oil in the oil treating zone, withdrawing the separated oil from the water zone and combining it with the oil in the oil treating zone, and withdrawing the treated oil and emulsion from the oil treating zone to a separate chamber for further treatment.

2,354,857
MOLDED INDICIA-BEARING PRODUCT AND METHOD OF MAKING THE SAME
Joseph A. Gits and Jules P. Gits, Chicago, Ill.
Application September 27, 1939, Serial No. 296,764
12 Claims. (Cl. 41—22)



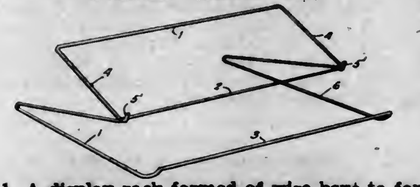
10. An article of the class described, comprising a body of transparent plastic having a smoothly curved convex front face and having a design formed by recesses in its rear face, and a coating of opaque material applied to the walls of the recesses, the bottoms of said design-forming recesses being located farther from the rear face of the article than is the boundary of said curved convex front face.

2,354,858
FILLER OR PIGMENT PRODUCT AND PROCESS OF MANUFACTURE
Gunter H. Gloss, Belmont, and Robert E. Clarke, Palo Alto, Calif., assignors to Marine Magnesium Products Corporation, South San Francisco, Calif., a corporation of Delaware
Application December 31, 1941, Serial No. 425,241
3 Claims. (Cl. 106—306)



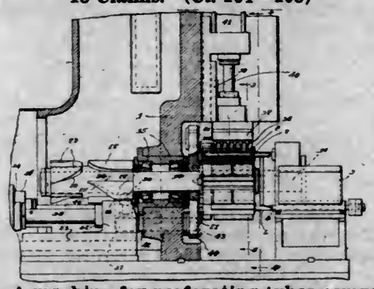
1. In a method of the character described, reacting calcium carbide with magnesium oxide at an elevated temperature, and then carbonating the residue to form a homogeneous material containing finely divided amorphous carbon and calcium carbonate.

2,354,859
DISPLAY RACK
Owen Luther Godwin, Sebring, Fla.
Application October 26, 1943, Serial No. 507,701
3 Claims. (Cl. 211—181)



1. A display rack formed of wire bent to form a substantially rectangular frame with upturned portions at opposite corners, with each end of said frame supported in an inclined position by V loops at each end constituting supporting members, the forward lower parts of said loops upturned and connected by a stretch substantially parallel with and forward of the lower long side of the frame portion.

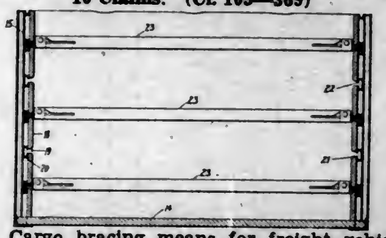
2,354,860
TUBE PERFORATING MACHINE
Guy M. Hartsock and Harold S. Rounds, Detroit, Mich., assignors to Mid-West Hydro-Pierce, Inc., Detroit, Mich., a corporation of Michigan
Application April 23, 1942, Serial No. 440,216
18 Claims. (Cl. 164—108)



1. A machine for perforating tubes comprising a die adapted to receive a tube to be perforated,

an indexable support for said die, means co-acting with said die to perforate the tube while the die is in one position, and means for ejecting the perforated tube from said die after the die has been indexed to another of its positions.

2,354,861
CARGO BRACE FOR FREIGHT VEHICLES
Edward O. Hermann, Mill Valley, Calif.
Application May 19, 1941, Serial No. 394,158
10 Claims. (Cl. 105—369)



1. Cargo bracing means for freight vehicles comprising track members recessed in opposite walls of the vehicle, each track member being of channel section with marginal flanges directed toward each other and separated to form a slot, notches formed in one flange of each track member, a movable brace member extending across the vehicle between said tracks, a tongue extending from each end of said brace member, said tongues being formed and positioned to enter said slots and to slide upon the flanges of said track members, and locking members mounted at the ends of said braces adjacent to said tongues and formed to engage said notches, at least one of said locking members being extensible and retractible.

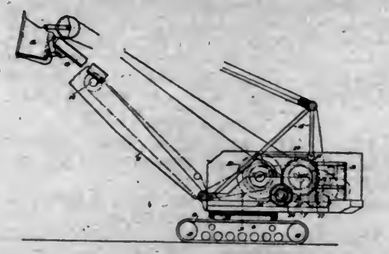
2,354,862
PRECISION PRICK PUNCH
Carl Houghton, Los Angeles, Calif.
Application October 8, 1943, Serial No. 505,568
9 Claims. (Cl. 33—189)



1. In a device of the kind described, a tubular shank having a lower end portion provided with two diametrically opposite radially projecting arms each of which carries a wheel with a peripheral knife edge, means whereby said wheels are mounted on said arms to rotate in the vertical plane through which the axis of said tubular shank extends, said shank having a third arm projecting radially from its lower end portion in a rightangular relation to the two first recited arms, a centering element carried by said third arm, and a punch proper slidably mounted within said shank and having a point portion located in alinement with the knife edges of the aforementioned wheels.

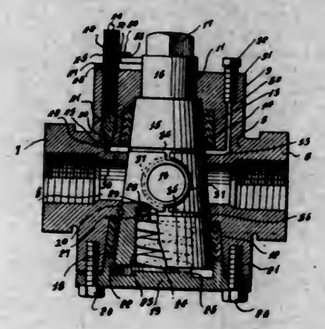
2,354,863
LOAD HANDLING EQUIPMENT
William M. Huston, Lima, Ohio
Application July 29, 1942, Serial No. 452,746
5 Claims. (Cl. 212—38)

1. In a load handling machine having a rotating base mounted on a crawler truck and further having a power plant mounted on the rotating base, drive mechanism for swing and propel including a horizontal shaft mounted on the rotating base, a gear fixed to said horizontal shaft, a generally upright reverse shaft having a gear fixed thereto in constant mesh with said first gear, a disconnectible power transmission between the power plant and said horizontal shaft including a controllable clutch mounted on one end of



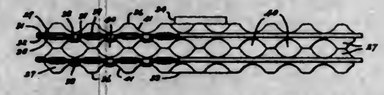
said shaft for rotating the shaft in one direction, a second disconnectible transmission between the power plant and said horizontal shaft including a controllable clutch mounted on the other end of said shaft for rotating the shaft in the opposite direction, a swing shaft, a propel shaft, and drive transmission parts for alternatively coupling said reverse shaft with either one of the swing and propel shafts.

2,354,864
ROTARY PLUG VALVE
Ralph L. Kerr, Houston, Tex.
Application August 11, 1941, Serial No. 406,385
2 Claims. (Cl. 251—93)



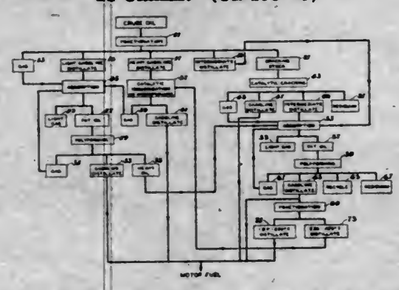
1. A valve comprising a casing having inlet and outlet ports, a valve plug mounted in the casing and having a transverse bore therethrough for registry with and for controlling the inlet and outlet ports, the plug having annular oil grooves therein respectively at opposite sides of the bore and an arcuate groove adjacent and concentric with the bore at each side of the plug in communication with the annular grooves, the casing having a lubricant chamber therein laterally of the axis of the valve plug and a lubricant-receiving passageway in the casing in communication with said chamber and registering with the adjacent annular groove, and means movable in an axial path parallel with the axis of the valve plug for feeding a lubricant from the chamber through the passageway and grooves in the valve plug to seal the upper and lower ends of the valve plug against passage of liquid.

2,354,865
REFRIGERATING APPARATUS
Andrew A. Kucher, Oakwood, and Alex A. McCormack and Glenn W. Wolcott, Dayton, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 17, 1941, Serial No. 374,908
2 Claims. (Cl. 257—140)



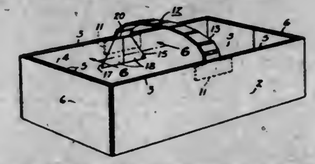
2. A heat exchanger comprising a bank of pairs of plates, each plate being formed with dimple-like depressions arranged in mutually substantially perpendicular series of rows, the two plates of each pair having their dimple-like depressions in opposed relationship and being spaced apart throughout said rows to provide a fluid passageway between the two plates, the plates of each pair being secured together at their edges and having nested portions diagonally between the dimples of adjacent rows, each of said depressions having a flat base portion and an interiorly convexly continuously curved side portion, the flat base portions of the depressions of one pair of plates abutting corresponding flat base portions of the depressions of adjacent pairs of plates, the dimple-like depressions in said rows in each plate being contiguous to one another and the curved side portions of the depressions in each pair of plates thereby providing opposed interiorly convex wall surfaces for said fluid passageway continuously along said rows between the wall surfaces thereof provided by the flat base portions of the opposed spaced apart dimple-like depressions in each pair of plates.

2,354,866
PROCESS FOR THE MANUFACTURE OF IMPROVED MOTOR FUELS
Edward H. Lang, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application November 1, 1941, Serial No. 417,442
11 Claims. (Cl. 196—9)



1. The process for preparing gasoline from crude petroleum oil which comprises separating said oil into low boiling gasoline distillate, high boiling gasoline distillate, distillate heavier than gasoline and heavy cracking stock, subjecting the high boiling gasoline distillate to a catalytic conversion operation suitable for converting said distillate into hydrocarbons which are predominantly non-olefinic but which boil within the gasoline boiling range and have materially higher octane numbers than the charging stock, separating gasoline boiling hydrocarbons from the conversion products of said conversion step, subjecting said low boiling gasoline distillate to purely thermal conversion to increase the octane value thereof, separating gas and gasoline boiling hydrocarbons from the reaction products of said thermal conversion step, subjecting said heavy cracking stock to catalytic cracking, separating gas, gasoline boiling distillate and hydrocarbons boiling above the gasoline boiling range from the conversion products of said catalytic cracking step, subjecting said hydrocarbons boiling above the gasoline boiling range together with said distillate heavier than gasoline to a separate purely thermal cracking operation, recovering gas and gasoline distillate from said last-mentioned operation, subjecting higher boiling constituents in the gas from said thermal operations and from said catalytic cracking operation to conversion in the aforesaid purely thermal conversion steps in admixture with distillate separated from the crude oil and combining the predominantly non-olefinic gasoline boiling range hydrocarbons from the first-mentioned conversion operation, gasoline boiling range hydrocarbons from the purely thermal conversion steps and gasoline boiling range distillate from the catalytic cracking operation to make a composite gasoline.

2,354,867
BASKET
Daniel A. Larkin, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application June 11, 1942, Serial No. 446,666
3 Claims. (Cl. 229—52)



3. A basket of corrugated board or similar material having inner and outer side walls connected by top edge folds, said folds each having a slot therein midway between its ends, said inner walls each having a slot extending downwardly from the central portion of one of said top slots, a cut across the lower end of said downwardly extending slot that extends beyond the ends of the top slot and downwardly diverging creases extending from the ends of the top slot to the ends of said cut, thereby providing an upwardly tapering opening and a pair of upwardly tapering hinged laps for closing said opening, and a handle having a flat retaining portion at each end wider than said edge slots but of a width less than the length of said cuts and adapted to be inserted through one of said openings into the space between the inner and outer walls, said handle having a grip portion connecting said retaining portions that is narrower than said retaining portions and adapted to be received in said top slots.

2,354,868
RESILIENT PLASTIC COMPOSITION AND METHOD OF MAKING THE SAME
Paul V. McKinney and Milo Glenn Mayberry, Pittsburgh, Pa., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application May 11, 1940, Serial No. 334,598
9 Claims. (Cl. 260—18)

1. The method of preparing a plastic composition from extract containing gum-forming,

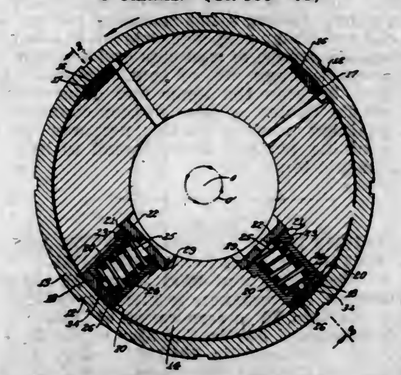
sludge-producing and other unstable constituents undesirable in lubricating oil, which extract is produced by solvent extraction of viscous petroleum oil fractions by means of a selective solvent having a solvent action equivalent to that of phenol in said extraction to produce lubricating oil and which extract after removal of the solvent has a Saybolt viscosity at 210° F. greater than 340 seconds, comprising heating said extract to a temperature at which sulfur melts, mixing sulfur with the heated extract in such amount that the sulfur constitutes from 15 to 50% by weight of the final product, heating and mixing the sulfur and extract at a temperature of 300–400° F. for a period of 4 to 10 hours and cooling the reaction product.

2,354,869
TROLLEY WIRE SUPPORT
Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application September 7, 1942, Serial No. 457,621
23 Claims. (Cl. 191—40)



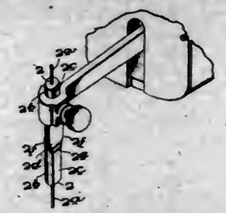
1. A curved segment to support a trolley wire for a portion of its length at a curve in an overhead system comprising, an elongated flexible body member, a support secured to the body member intermediate the ends thereof and provided with means to attach other supports thereto a plurality of torsion and tension members connected to the body member adjacent the ends thereof and to the support whereby a predetermined curvature of the body member may be maintained and the longitudinal tension of the trolley wire transmitted to the plate member, means associated with the support and the body member and to which the ends of the torsion and tension members are attached whereby a torque is set up in the said tension members when secured in position and which torque is in opposition to the side pull of the trolley wire and means connected to the body member to receive and hold the trolley wire to the body member.

2,354,870
HIGH-SPEED BEARING
William Messinger, Philadelphia, Pa., and Alexander Shayne, New York, N. Y.
Application November 1, 1941, Serial No. 417,514
3 Claims. (Cl. 308—73)



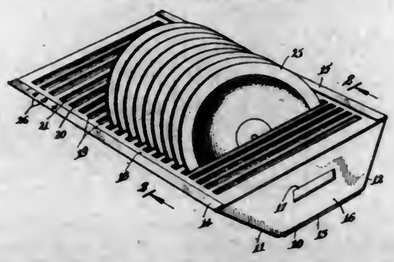
2. A high speed bearing for rotors, this bearing comprising a plurality of pads of relatively short circumferential length, the rotor being supported solely by the pads, a fixed support for the pads, the pads being completely embedded in the support below the surface of the support except for the bearing surfaces whereby all of the pads are fixed against yielding movement circumferentially of the rotor, certain of the pads being fixed in the support also against radial movement, and means whereby certain other of the pads are yieldably mounted in the support for radial movement.

2,354,871
ELECTRIC ARC ETCHING ELECTRODE
Theodore Miller, Racine, Wis., assignor to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Application June 24, 1942, Serial No. 448,320
8 Claims. (Cl. 219—14)



1. An electric arc etching electrode for replaceable use in the vibratory electrode holder of an electric arc etching machine, said electrode consisting of a tubular relatively soft metal shank, and a tenuous high melting-point hard metal arc etching electrode wire of uniform cross sectional dimensions throughout its length, said wire extending longitudinally through said shank in current conducting relation thereto and providing relatively uncovered consumable ends projecting longitudinally from the opposite shank ends, said wire ends providing blunt end faces, said shank throughout its length rigidly gripping and holding the portion of the wire located therein.

2,354,872
RECORD RACK
Meyer Mitnick, New York, N. Y.
Application August 26, 1942, Serial No. 456,131
9 Claims. (Cl. 211—40)

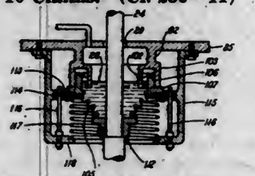


5. A record rack comprising a base, outwardly inclined side walls extending from said base, end pieces for said base, and side walls, a top wall provided with a plurality of parallel and spaced slots, a resilient fabric member secured to the underside of said top wall and being slitted along the axis of each slot to frictionally and slidably engage a record disc when inserted into the slot, the record disc being engageable with the base and side walls at points tangential to the perimeter of the record.

2,354,873
STABILIZATION OF GASOLINE AND THE LIKE
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 16, 1938, Serial No. 208,222
7 Claims. (Cl. 44—58)

1. A motor fuel comprising cracked gasoline which contains non-volatile gum that deposits on the valves and in the cylinders of the motor and containing, as a gum flux, from 0.2 to 2% of a normally liquid alkylated naphthalene hydrocarbon having a boiling point above 450° F.

2,354,874
SEAL FOR SUBMERSIBLE STRUCTURES
Thomas G. Myers, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Original application February 26, 1938, Serial No. 193,121, now Patent No. 2,293,616, dated August 18, 1942. Divided and this application March 8, 1941, Serial No. 382,361
10 Claims. (Cl. 286—11)



1. In a submersible structure adapted to be submerged in well liquid, a casing, a shaft extending out of the casing, a rotary cup carried by the shaft, a non-rotary member in telescopic relation with the cup and rigidly supported by the casing, a heavy sealing liquid carried by the cup, and extending to a level above the bottom level of the non-rotary member, and a flexible connection between the cup and the shaft.

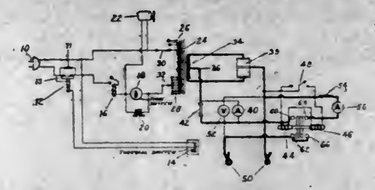
2,354,875
METHOD FOR RECOVERING HYDROXY-3-ETIOCHOLENIC ACID AND ITS ESTERS
Rupert Oppenauer, Amsterdam, and Carel Christof Bolt, Oss, Netherlands, assignors to Roche-Organon Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application February 6, 1940, Serial No. 317,608. In the Netherlands March 16, 1939
10 Claims. (Cl. 260—397.1)

1. A method for recovering hydroxy-3-etiocholenic acid and its esters from mixtures with homologous acids, comprising esterification of the mixture of acids, fractional crystallisation from a solvent containing essentially at least one hydrocarbon and recovery of the hydroxy-3-etiocholenic acid ester from the first crystal fractions.

2,354,876
METHOD OF TREATING CEMENTITIOUS OBJECTS
Calvin Arthur Owens, Los Angeles, Calif.
No Drawing. Application May 20, 1941, Serial No. 394,363
7 Claims. (Cl. 117—123)

2. A method of increasing the strength and water resistance of objects made from hydraulic cement compositions which comprises: treating such objects with an aqueous solution containing a water-soluble reagent from the group consisting of chromic anhydride, manganese trioxide, and molybdic acid.

2,354,877
BATTERY CHARGER
Carl E. Peters, St. Louis, Mo., assignor to B-L Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application June 4, 1941, Serial No. 396,526
2 Claims. (Cl. 320—5)



2. In a storage battery charger that can be used to analyze and charge storage batteries accurately, safely, and rapidly, the combination of a D. C. battery charging circuit, a D. C. battery-discharging circuit, a D. C. control circuit and an A. C. circuit, a plurality of battery clamps, said A. C. circuit including a current rectifying means, said D. C. control circuit including a manually operable switch and a two solenoid switch, said two solenoid switch having an armature and a plurality of sets of contacts, said D. C. battery-charging circuit including connections to said current rectifying means and to one of the solenoids of said two solenoid switch and to one of said sets of contacts, said D. C. battery-discharging circuit including a discharge resistance and the other of said solenoids, and the other of said sets of contacts, said armature for said two solenoid switch being selectively movable toward the contacts in said D. C. battery-charging and discharging circuits, said manually operated switch and said two solenoid switch being arranged to energize only one of said solenoids at a time, said battery clamps being connected to said set of contacts in said D. C. battery charging and discharging circuits, said battery charger being arranged so selective movement of said manually operable switch selectively connects said battery clamps with said D. C. battery charging and discharging cricuits.

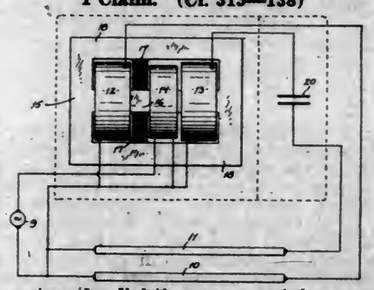
2,354,878
MEANS FOR RECOVERING VALUES FROM CITRUS FRUIT
William Carrington Platt, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Original application June 25, 1940, Serial No. 342,274. Divided and this application September 11, 1941, Serial No. 410,411
9 Claims. (Cl. 146—3)



1. An apparatus for the extraction of oils from whole citrus fruit, the combination of: a rotatable horizontal cylinder provided with an inwardly extending flange at each end thereof, said flanges being adapted to retain a body of liquid in said cylinder, an inner liner of abrasive material in said cylinder and rotatable therewith, a fruit pick-up and discharge device at one end of said cylinder, spray means for spraying liquid

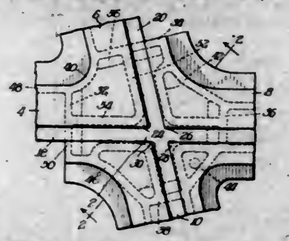
over the fruit on said discharge device, means for feeding fruit into the other end of said cylinder, and means for virtually continuously removing liquid from said cylinder at said fruit feeding end.

2,354,879
ELECTRICAL SYSTEM AND APPARATUS
Percival K. Ranney, Lakewood, Ohio
Application March 20, 1942, Serial No. 435,449
1 Claim. (Cl. 315—138)



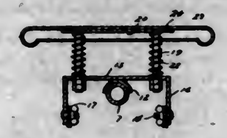
A system for lighting gaseous tubes comprising in combination, a transformer embodying a shell type core having a single complete primary circuit including a winding mounted on said core, and having two complete secondary circuits including coil sections mounted on said core, said primary winding and said secondary coil sections being disposed in axially spaced relationship on said core with one secondary coil section on each side of said primary winding, means connecting the primary winding to a source of alternating current, two gaseous tubes, means connecting one of the secondary circuits to one of the tubes, and means connecting the other secondary circuit to the other of said tubes, said transformer having magnetic shunt means disposed only between the primary winding and one of the secondary coil sections, and having the other secondary coil section disposed in close proximity to the primary coil winding, and capacitance means in the tube circuit associated with said last-named secondary coil section.

2,354,880
RAILWAY CROSSING
Thomas A. Ratkowski, Chicago Heights, Ill., assignor to American Brake Shoe Company, a corporation of Delaware
Application August 31, 1942, Serial No. 456,789
13 Claims. (Cl. 246—464)



1. A railway crossing structure comprising a member formed with a box-like centrally disposed body portion and a plurality of crossing branches for connection to adjoining running rails, said crossing structure including a base, a top portion in the form of a bridging web having intersecting flangeways and tread surfaces, said flangeways being developed as downwardly presented ribs terminating short of said base, a substantially continuous web connecting said base and top portion and forming the box-like central body portion, said web being spaced throughout from the junction of said flangeways, and inner webs forming inner box-like portions with said first mentioned web and connecting the base and bridging web substantially beneath at least each wheel bearing tread surface and extending substantially from said first mentioned web to the intersection of said flangeways.

2,354,881
AUXILIARY BICYCLE SEAT
Herman K. Rehn, Amherst, Mass.
Application December 1, 1942, Serial No. 467,508
2 Claims. (Cl. 155—5.13)



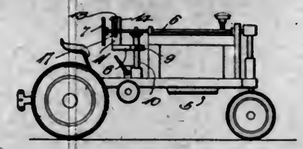
2. An auxiliary bicycle saddle comprising a seat, posts extending downwardly from said seat and spaced from each other transversely thereof, a yoke under said seat provided with depending side portions and formed with openings slidably receiving said posts, spring means yieldably resisting downward movement of said seat, an elongated centering member carried by said yoke midway the width thereof and extending downwardly from the under face thereof for straddling a cross bar of a bicycle frame, front and rear legs, bolts securing said legs to lower ends of the side portions of said yoke and tightened to secure the legs in angularly adjusted positions, and means for detachably securing said legs to bars of a bicycle frame.

2,354,882
INCENDIARY BOMB
Eric L. Samann, Detroit, Mich.
Application December 29, 1941, Serial No. 424,704
13 Claims. (Cl. 102—6)



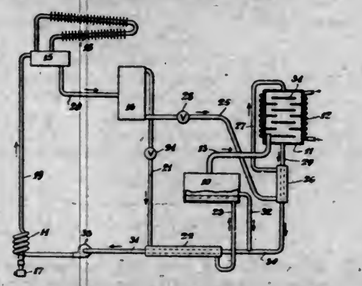
1. A bomb having a container adapted to be filled with an ignitable substance, means to ignite said substance upon contact of the bomb with a target comprising a member movable relative to said container, said member having means adapted to pierce said container, a primary charge, percussion means to detonate said primary charge, comprising a firing pin, actuating means therefor carried by said movable member and means fixed to said container for engaging said actuating means and operating the same only after said piercing means has punctured said container.

2,354,883
ATTACHMENT FOR TRACTORS
George C. Schonberg, Fargo, N. Dak.
Application March 13, 1944, Serial No. 526,266
2 Claims. (Cl. 74—495)



1. An attachment for tractors comprising an arm having means of attachment to a steering post of a tractor for holding the arm approximately horizontally, a post anchored to the end of the arm remote from the steering post, a latch pivotally mounted on the post in position to coact with a member on the steering shaft of the tractor, and a member comprising two sections having portions embracing the steering shaft and having ends projecting on each side of the steering shaft to be engaged by the latch in two positions of adjustment, and means for securing the members together.

2,354,884
REFRIGERATION
Thomas K. Sherwood, Wellesley Hills, Mass., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 25, 1941, Serial No. 390,257
15 Claims. (Cl. 62—119)



1. A refrigeration system containing a solution having the property of stratifying into its component liquids upon increase in temperature and including means for heating said solution to cause said stratification, an evaporator, an absorber, and means to direct one of said component liquids to said evaporator and another of said liquids to said absorber.

2,354,885
THIRD-RAIL CONTACT SHOE
Raymond H. Sierk, New York, N. Y.
Application February 19, 1942, Serial No. 431,477
18 Claims. (Cl. 191—49)

1. In a third rail contact shoe, a fulcrum comprising spaced lugs at one end thereof, aligned openings through said lugs for reception of means securing said shoe to an associated truck, a vertical flange adjacent each lug formed and arranged for cooperation with said truck to provide adjustment of said shoe, a T-shaped slot through said fulcrum adjacent the opposite end thereof, spring pockets and key pockets at opposite sides of said slot and respectively aligned substantially transversely of said fulcrum, a wear

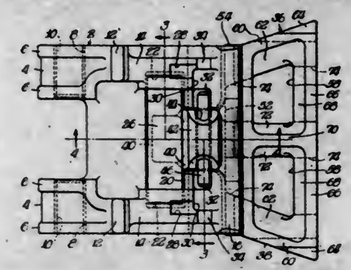
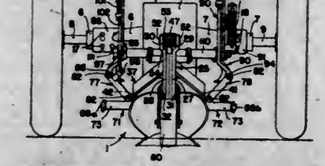


plate comprising a surface on the bottom thereof formed and arranged for engagement with an associated third rail, and a tail portion received within said slot and comprising a keyway, a key positioned in said keyway and seated at the ends thereof in said key pockets, and a plurality of bar springs seated at opposite ends thereof in said spring pockets and bearing intermediate said last-mentioned ends upon said tail portion.

2,354,886
LISTER
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 20, 1940, Serial No. 314,821
27 Claims. (Cl. 111—63)

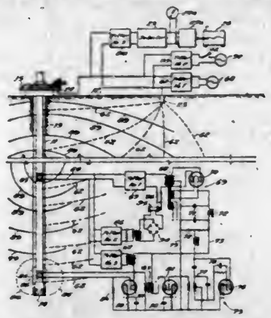


1. An agricultural implement comprising supporting means, tool means, a pair of vertically spaced generally longitudinally extending links connecting said tool means with said supporting means, and common means connected with one of said links for shifting the same generally longitudinally and with said one link for swinging the link generally vertically to adjust said tool means relative to the supporting means.

2,354,887
WELL SIGNALING SYSTEM
Daniel Silverman and Robert E. Fearon, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application October 29, 1942, Serial No. 463,774
14 Claims. (Cl. 177—352)

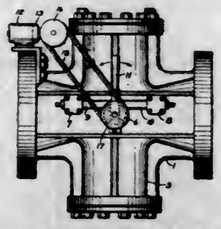
1. A well signaling system including an uninsulated conductor extending into said well, a core of ferromagnetic material enclosing said conductor within said well, a coil of insulated wire coupling said core, means for producing a pulsating electromotive force, and means for detecting pulsating electric signals, one of said means being con-

nected between two spaced points, one of which is adjacent the upper portion of said conductor and the other of which is grounded and located at



a greater distance from the axis of said conductor than said first-named point, and the other of said means being located within said well and connected across the ends of said coil of wire.

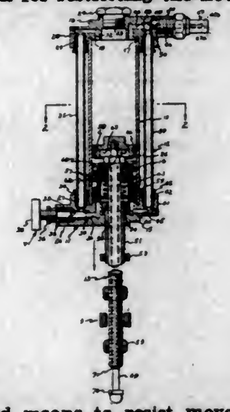
2,354,888
VALVE CONTROL SYSTEM
Edward P. Smith, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application November 14, 1942, Serial No. 465,823
17 Claims. (Cl. 137—139)



1. In a remote control for a pipe line valve; a control means for a valve; an electrically operated motor to operate said control means; circuit means to operate said motor to shift said control means and to restore same to a central neutral position following each operation of said valve; and a switch for said circuit means remotely located from said valve to govern the energization of said circuit to thereby open or close said valve.

2,354,889
HYDRAULIC MOVEMENT-CONTROLLING DEVICE
Neil V. Smith, Los Angeles, Calif., assignor, by mesne assignments, to Senacon Service Company, Cleveland, Ohio, a partnership
Application January 28, 1943, Serial No. 473,788
17 Claims. (Cl. 188—97)

1. A device for controlling the movement of a reciprocating part including a liquid containing cylinder, piston means in the cylinder including two relatively movable piston elements, spring means acting on at least one of said elements to urge it against the liquid in the cylinder, positive means for transmitting movement from said part to one of said elements when said part moves in one direction, means for transmitting movement from said part to the other element during movement of said part in the other direction, means for conducting liquid from one end of the cylinder to the other during movement of said part in the first named direction, means for restricting the flow through the

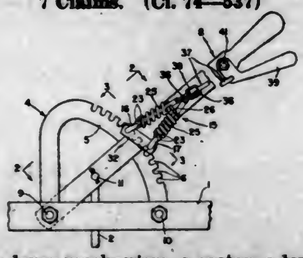


last named means to resist movement of said part, and means for conducting liquid from one end of the cylinder to the other during movement of said part in said other direction.

2,354,890
HONING MANDREL
Charles F. Staples, Birmingham, Mich.
Application July 3, 1943, Serial No. 493,365
8 Claims. (Cl. 51—184.3)

1. A honing mandrel for honing machines consisting of a sleeve, a shaft slidably mounted therein, said shaft having diametrically opposed quarters thereof cut out to provide notches each having one wall parallel to a radius of the shaft and having its other wall sloping upwardly and longitudinally of the shaft, a pair of stone holders slidable on said sloping surfaces and having abrasive stones mounted thereon, means to prevent movement of said holders outwardly from said sloping surfaces, means to fix the relative position of said sleeve and stone holders, and means by which said sleeve and shaft may be relatively moved.

2,354,891
LEVER
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 30, 1942, Serial No. 467,437
7 Claims. (Cl. 74—537)

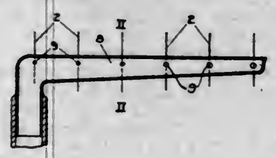


1. In a lever mechanism, a sector, a lever comprising a pair of strap members pivoted to said sector, the latter being notched, a pair of apertured straps disposed transversely of said lever in embracing relation, detent members lying against opposite edges of said lever straps and extending through the apertures in said transverse straps, the distance between said detent members being such that when one member lies in a notch of said sector the other member is disposed in a position between notches, whereby a relatively small movement of said lever in one direction or the other corresponding to half the distance between notches will provide for movement of the other detent member into a notch, and means on said lever for disengaging both of said detent members from said sector.

2,354,892
DEHYDROGENATION OF HYDROCARBONS
Carlisle M. Thacker, Toledo, Ohio, assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application December 18, 1937, Serial No. 180,531
3 Claims. (Cl. 260—683.3)

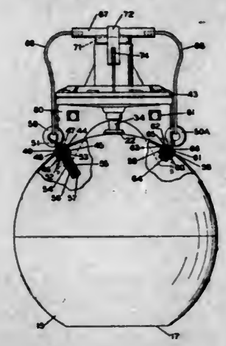
1. The method of selectively dehydrogenating dehydrogenatable low boiling hydrocarbons which comprises contacting said hydrocarbons at reacting temperatures with catalyst comprising "activated alumina" impregnated with tungsten oxide prepared by mixing "activated alumina" made by precipitating the trihydrate of alumina from an aluminate solution and calcining the precipitate at temperatures between 300 and 800° C., with a solution of a tungsten salt, and decomposing the tungsten salt admixed with the "activated alumina" to tungsten oxide.

2,354,893
EXHAUST PLANT FOR SPINNING MACHINES FOR CATCHING AND REMOVING THREAD ENDS
Heinrich Thoma, Zurich, Switzerland
Application October 13, 1941, Serial No. 414,796
In Germany October 17, 1940
2 Claims. (Cl. 57—56)



1. A device for collecting and removing broken ends in spinning and like machines, comprising in combination a collecting conduit extending longitudinally of the machine, said conduit being closed at one end and being connected to a source of suction at its other end, with said conduit being of varying cross section always increasing from said closed end to said suction end, and a series of suction heads projecting at intervals from said conduit and each providing hollow portions extending parallel to said conduit, having spaced openings into which broken ends from the machine are adapted to be individually drawn towards said source of suction, with said portions of the suction heads each being of varying cross section throughout, increasing in area in the direction of movement of broken ends through said openings toward said suction source.

2,354,894
SELF-SERVICE SYSTEM FOR STORAGE AND UTILIZATION OF FUEL GASES
Rosswell W. Thomas, Birmingham, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 2, 1941, Serial No. 391,596
6 Claims. (Cl. 62—1)



1. A liquefied fuel gas dispensing system comprising a pressure regulator connected to a supporting member; a container for the gas removably connected to the pressure regulator and in communication therewith; a service line for delivery of gas to gas-consuming appliances connected to the pressure regulator; and carrying means separate from the regulator connection attached to said container coacting with the pressure regulator to support the said container.

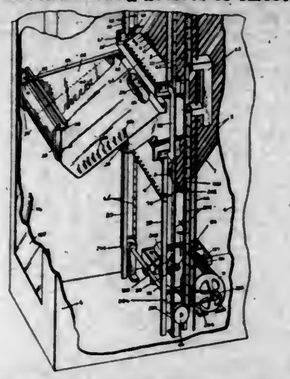
2,354,895
PURIFICATION OF DICYCLOPENTADIENE
Alger L. Ward, Drexel Hill, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application June 27, 1940, Serial No. 342,711
9 Claims. (Cl. 260—666)

1. A method for recovering highly purified dicyclopentadiene from a crude liquid mixture of similarly boiling materials in which the dicyclopentadiene content is at least 90% of said similarly boiling materials which comprises lowering the temperature of said crude liquid mixture sufficiently to form crystals of dicyclopentadiene therein, and separating said dicyclopentadiene crystals from the remaining crude liquid mixture while the dicyclopentadiene content of said remaining crude liquid mixture is at least 85% of said similarly boiling materials therein.

2,354,896
COIN CONTROLLED VENDING APPARATUS
Edward Grover Weller, Columbus, Ohio
Application October 28, 1939, Serial No. 301,824
23 Claims. (Cl. 194—10)

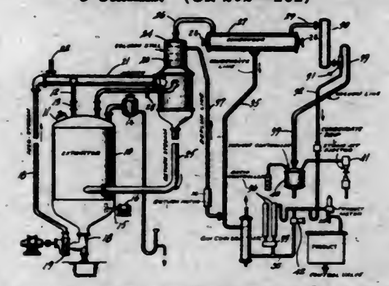
1. In combination in a coin controlled vending apparatus, a series of article supporting channels each having an article releasing lever, a motor driven common delivery means adapted to mechanically actuate the releasing lever of a selected storage channel to release an article, a cycle control contact device adapted to electrically control the movement and selective operation of said common delivery means, a customer controlled dial switch adapted to create successive electric impulses, mechanism in said

common delivery means and in said cycle control device responsive to said impulses to preset both said last mentioned devices to effect delivery



of an article from a particular one of said storage channels and a coin controlled device adapted to close a circuit to start said common delivery means when sufficient coins are deposited.

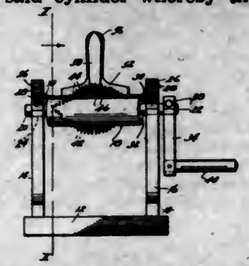
2,354,897
APPARATUS FOR CONSTANT CONCENTRATION DISTILLATION
Theodore O. Wentworth, Cincinnati, Ohio, assignor to The Vulcan Copper & Supply Company, Cincinnati, Ohio, a corporation of Ohio
Application August 4, 1940, Serial No. 351,352
5 Claims. (Cl. 202—161)



1. Apparatus for distilling gin under substantially constant vacuum and low temperature conditions comprising: an extractor for holding the usual charge of undistilled botanically-flavored neutral spirits; a distilling column having a flash chamber; means for maintaining the column under substantially constant vacuum of predetermined order; means for continuously cycling the charge liquid by maintaining a feed-stream flow from the extractor to the flash chamber and a return-stream flow from the flash chamber to the extractor; and means, interposed between the extractor and column, for heating the feed stream rapidly to a temperature above its boiling temperature in the flash chamber to effect flash vaporization in said chamber.

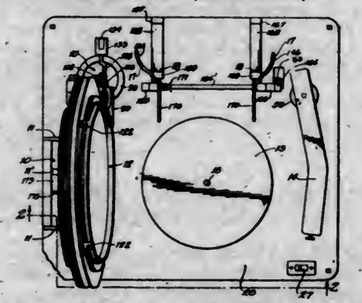
2,354,898
MECHANICAL PAINTBRUSH CLEANER
Carl Jay Wiksten, St. Joseph, Mo.
Application December 22, 1942, Serial No. 469,851
7 Claims. (Cl. 15—3)

1. A brush cleaning machine of the character described comprising a frame, an oblique cylinder having peripheral teeth and mounted for axial rotation in said frame, means carried by said frame to engage the opposite oblique end surfaces of said cylinder whereby the cylinder



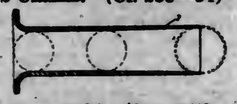
is reciprocated as it is rotated, and a brush support mounted for oscillatory movement in said frame whereby the bristles of the brush mounted on said support may be manually moved to and from the path of travel of said cylinder teeth.

2,354,899
AUTOMATIC PHONOGRAPH
Paul F. Wilber, Richland, N. Y.
Application May 31, 1941, Serial No. 395,974
22 Claims. (Cl. 274—10)



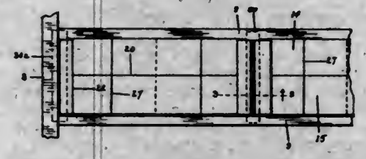
1. In an automatic phonograph, in combination, a turntable, a record-carrying frame, means pivotally supporting said frame for moving the same in opposite directions into a position substantially parallel with the turntable, means for moving said supporting means across the turntable to locate said frame on one side of the turntable and on another side of the turntable, and vice-versa, and means for swinging said frame towards the turntable when said frame is located on one side of the turntable and for swinging the frame in the opposite direction towards the turntable when the frame is on the other side of said turntable.

2,354,900
CONDENSER AND SIMILAR TUBES AND THEIR JOINTS
Francis Clarence Walter Wilkinson, Farnham Common, England
Application June 23, 1942, Serial No. 446,134
In Great Britain June 16, 1941
2 Claims. (Cl. 285—54)



1. For use in combination with straight-end tubes, such as the circulating tubes of condensers, a hollow cylindrical body with an outwardly flared end adapted for insertion and accurate fitting into said tube end, said body being composed of material having a substantially higher rubbing speed than that of the metals or alloys normally composing the tube, and having a length of non-circular cross section to insure a tight fit in said tube.

2,354,901
BUILDING CONSTRUCTION
Harold K. Williams, Moline, Ill.
Application March 7, 1942, Serial No. 433,695
1 Claim. (Cl. 20—4)



In a building wall, the combination of a pair of substantially parallel, elongated flat structural members, having aligned longitudinal edges and defining a rectangular space therebetween, a pair of insulator sections of non-inflammable material each of rectangular shape and bent on a substantially straight medial line, into an obtuse angular shape, the angles of the two sheet sections being disposed in opposite directions, and the side edges of the sheet sections being engaged and engaging the sides of said structural members, the two sheet sections thus defining a passage of diamond shape in cross-section extending in parallel relation to said structural members, a similar pair of insulator sections disposed in alignment with the first mentioned pair and spaced therefrom, and a baffle member of non-inflammable sheet material bent on a medial line and folded to define a double wall portion having laterally and oppositely disposed flanges, the baffle member being of substantially T-shape with the double wall portion interposed between the pairs of insulator sections and closing the passage therethrough, and the flanges lying along the exterior face of bends in adjacent insulator sections.

2,354,902
REMOTE POSITION INDICATOR
Alfred H. Wolfers, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application February 18, 1942, Serial No. 431,446
8 Claims. (Cl. 177—311)



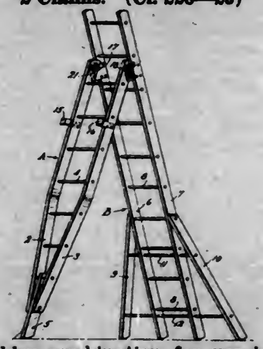
8. In a telemetric receiver, the combination with a plurality of field coils adapted to provide a rotatable magnetic flux field, and a permanently magnetized rotor pivotally supported for movement to assume a position corresponding to the direction of the field flux, of a pair of radially split magnetized ring members, and means supporting said members for individual angular adjustment about the axis of the rotor.

2,354,903
SHOE
Samuel Wolff, Clayton, Mo., assignor to Paramount Shoe Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application September 18, 1942, Serial No. 458,813
4 Claims. (Cl. 36—19.5)



1. In a shoe, a socklining, an upper having its lower portion secured directly to the edge of the socklining immediately adjacent to the edge of the latter, the marginal portion of the upper extending beyond the securing line and being folded under, the upper having a restricted area of its lower portion cut away to provide an opening above the socklining, the corresponding part of the socklining having an extension folded under, and an outer sole cemented directly to the underface of the socklining and to the underface of the folded under extension and to the underface of the folded under marginal part of the upper.

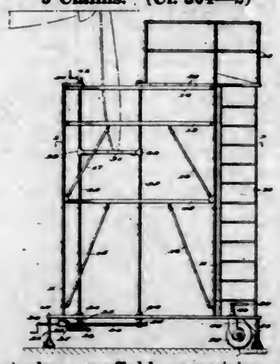
2,354,904
ORCHARD LADDER
Judson O. Young, North Wilbraham, Mass., assignor to J. O. Young Incorporated, Springfield, Mass., a corporation of Massachusetts
Application September 10, 1943, Serial No. 501,814
2 Claims. (Cl. 228—23)



2. A ladder combination for use in orchards either as a step ladder or a longer straight ladder, the combination comprising two straight ladder structures, each of the light weight type having side rails and generally round rungs, one ladder having a pivot supporting plate fastened on a side rail near one of its ends, a duplicate plate similarly fastened to the other side rail, said plates having margins extending beyond the edges of the side rails, the margins being provided with closed end slots parallel to the side rails, means providing fixed pivot pins attached to the other ladder, such pins being fastened on its side rails, very close to their ends and extending through the said slots in the pivot supporting plates, so as to provide for a limited relative sliding movement of the ladders, whereby in step ladder arrangement the pins will automatically be at the top of the slots for supporting engagement and in straight ladder arrangement the pins will automatically be at the bottom because of the weight of one ladder on the other, a pair of L shaped plates fastened to the

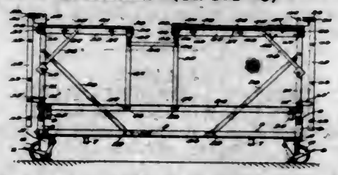
side rails of the ladder carrying the pivot pins, such plates being at a distance from the pins which is slightly less than the distance from the lower ends of said slots to the ends of the side rails on the other ladder, said L shaped plates being positioned for swinging over the ends of the side rails of such other ladder when the pivot pins are at the top of their slots and to move down by gravity for hook engagement with such side rails to prevent pivotal movement in the position occupied when the pivot pins are at the bottom of said slots, all for the purpose described.

2,354,905
AIRPLANE SCAFFOLD
Russell L. Bailey, Washington, D. C., and Leroy J. Hennessy, Baltimore, Md.
Application December 16, 1941, Serial No. 423,234
3 Claims. (Cl. 304—2)



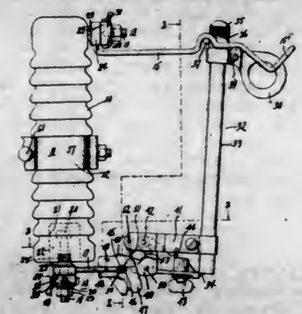
1. An airplane scaffold comprising a substantially rectangular horizontal base frame; upright supports adjacent the corners of said base frame; cross bars connecting the upper ends of said upright supports and forming an upper, substantially rectangular horizontal supporting structure; a main platform mounted on said supporting structure and extending from side to side thereof with its inner end terminating short of the forward end of said supporting structure; a horizontally extending auxiliary platform mounted on said scaffold and below the upper supporting structure and the main platform thereon, said auxiliary platform being disposed entirely within the space defined by said upright supports, and said auxiliary platform extending from side to side of the supporting structure from a position below the inner end of the main platform to a position below the forward end of the supporting structure; and a third platform mounted on the supporting structure at the front end thereof and extending from side to side of said supporting structure, with the inner end of said third platform terminating at a distance from the inner end of said main platform to provide an unobstructed space above said auxiliary platform and between said main and third platforms, said third platform being in substantially the same horizontal plane as said main platform and above said auxiliary platform, whereby the scaffold may be moved into a position beneath the front end of an airplane with the third platform behind the motor and propeller, the auxiliary platform below the ends of the propeller, and the main platform in front of the propeller and motor to permit workmen to work at the rear and front of the motor and propeller and to permit the propeller to be revolved without interference from the scaffold.

2,354,906
AIRPLANE SCAFFOLD
Russell L. Bailey, Washington, D. C., and Leroy J. Hennessy, Baltimore, Md.
Application October 6, 1942, Serial No. 460,956
12 Claims. (Cl. 304—3)



1. An airplane scaffold comprising a horizontal base, a first support pivotally connected at its lower end to said base and movable to positions substantially parallel to or perpendicular to said base, a second support pivotally connected at its lower end to the upper end of said first support and movable to positions in alinement with or parallel to said first support, means for maintaining said first support in its perpendicular position with respect to said base, means for maintaining said second support in alinement with said first support, a platform having one end supported on one of said supports, and means for supporting the opposite end of said platform.

2,354,907
ELECTRIC SWITCH
Ralph S. Bennett and Sidney R. Smith, Jr., Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application April 18, 1942, Serial No. 439,506
12 Claims. (Cl. 200—133)

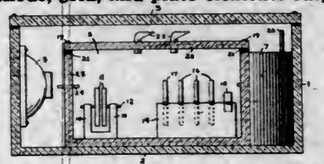


1. In an electric switch, an insulator, a stationary switch contact consisting of a rod supporting a contact surface near one end, a standard bolt having the head thereof anchored in a recess at one end of said insulator, a square nut for said bolt having an extending portion thereof anchored in said recess, means including a U-shaped member cooperating with said square nut for securing the other end of said rod to said insulator so as to prevent rotation thereof, and means for securing a conductor to the free end of said bolt without releasing said rod during the operation of securing a conductor to said bolt.

2,354,908
RADIO WITH VACUUM CHAMBER
Abraham Binneweg, Jr., Oakland, Calif.
Application August 24, 1942, Serial No. 456,857
1 Claim. (Cl. 250—27.5)

A unit for a radio tube comprising a dielectric base, standards rising from said base and integral

therewith, notches in the top of said standard, and cathode, grid, and plate elements suspended



between said standards and held in place by said notches.

2,354,909
PREPARATION OF β-ALANINE AMIDE BY REDUCTION OF CYANOACETAMIDE
Gustaf H. Carlson, Pearl River, N. Y., assignor to Lederle Laboratories, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 19, 1941, Serial No. 398,811
8 Claims. (Cl. 260—534)

1. The process of producing β-aminopropionamide which comprises reducing cyanoacetamide in an acetic acid solution, the reduction being carried out by the gradual addition, at such a rate that there is no substantial inactivation of the catalyst, of the cyanoacetamide solution to a mixture comprising a hydrogenation catalyst and hydrogen.

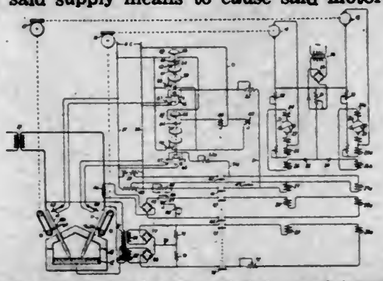
2,354,910
HEAT CONTROL DEVICE
Leonard W. Cook, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Original application August 28, 1942, Serial No. 456,509. Divided and this application December 19, 1942, Serial No. 469,567
5 Claims. (Cl. 200—153)



1. In combination, a housing, a flat spring member having one end thereof fastened to said housing, a stationary fulcrum engaging one side of said spring member intermediate the ends thereof, a rotatable member mounted in said housing and having a cam surface in engagement with the other side of said spring member at a point between said fulcrum and the fastened end of said spring member, said cam surface being so shaped that rotation of said rotatable member in one direction flexes said spring member in a predetermined direction to effect movement in the opposite direction of the free end of said spring member and also so shaped that it engages said spring member at different points so that said spring member exerts opposing forces on said rotatable member, and cooperating contacts controlled by the movement of the free end of said spring member.

2,354,911
FURNACE CONTROL SYSTEM
Martin A. Edwards, Donald E. Garr, and George E. Shaad, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application August 31, 1943, Serial No. 500,674
12 Claims. (Cl. 314—69)

1. A control system for an electric furnace provided with two movable electrodes comprising a motor for moving each of said electrodes, current supply means for each of said motors for supplying current to each of said motors for movement of said electrodes, a first control means for each of said supply means for causing each of said supply means to supply current to its said motor for operating said motor to lower its electrode, a second control means for each of said supply means responsive to the current in the corresponding electrode for controlling said supply means to cause said motors to



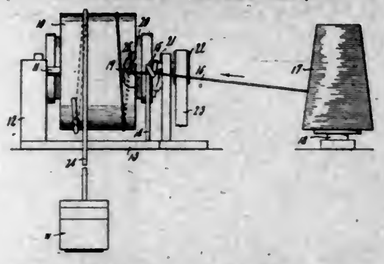
adjust said electrodes to maintain predetermined currents in said electrodes, a manually operated control device for each of said motors, switching means operated by each of said control devices to deenergize said first and second control means for both of said supply means, and switching means operated by movement of each of said control devices for energizing selectively said first control means for its corresponding motor for manual control of the corresponding electrode.

2,354,912
SAFETY INNER TUBE
Ernst Eger, Grosse Pointe Park, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Original application April 22, 1939, Serial No. 269,443. Divided and this application August 29, 1940, Serial No. 354,670
4 Claims. (Cl. 152—342)



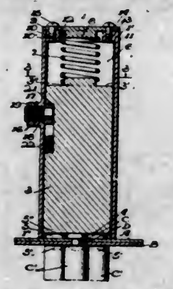
3. An inflation chamber having an annular exterior wall and a partition therein extending from side to side of said exterior wall, said partition including an inner wall and an outer wall, each consisting of an elastic strip and an impervious fabric strip, said strips being joined together along mutually contiguous margins, the outer margins of said inner and outer walls being secured together and anchored to the opposite sides of said exterior wall, portions of the fabric strips normally overlapping each other and being freely slidable upon each other, upon application of pressure to the partition toward the crown of the exterior wall.

2,354,913
METHOD OF CONTROLLING THE TENSION OF STRANDS
Sherman L. Gerhard, La Grange, Ga., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 2, 1943, Serial No. 512,571
4 Claims. (Cl. 242—147)



1. The method of controlling the tension of an advancing strand, which consists in providing a rotating drum and exerting a constant torque that tends to rotate the drum about its central axis, supplying a strand to approach the drum along its axis of rotation and then outwardly to the periphery of the drum to drag over an arc of the drum surface so that this arc of contact will vary as the drum rotates, and pulling the strand from the drum in a direction to decrease this arc while said torque tends to increase the arc, so that the tension of the strand as it leaves the drum will equal said constant torque.

2,354,914
RIVETING TOOL AND METHOD OF RIVETING
Max Goldstein, New York, N. Y.
Application January 30, 1942, Serial No. 428,969
17 Claims. (Cl. 78—53.5)

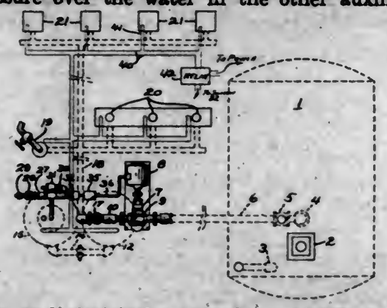


1. A riveting tool consisting of a hollow casing and rivet head forming means including a striking face and the latter being movable only within the confines of said casing

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2,354,915
AIRPORT FUELING SYSTEM
Albert J. Granberg, Emeryville, Calif.
Application March 4, 1942, Serial No. 433,299
7 Claims. (Cl. 103—6)

1. In an airport fueling system which includes a main fuel supply tank, a pump for taking fuel from said tank by suction, field outlets supplied by said pump, and a motor driving said pump; a pair of auxiliary tanks connected together adjacent the bottom thereof, each of said tanks having an amount of water therein, a connection from the top of one of said auxiliary tanks to the outlet of said pump, means for maintaining air under pressure over the water in the other auxiliary



tank, and electrical means for controlling said motor in accordance with the pressure of said air.

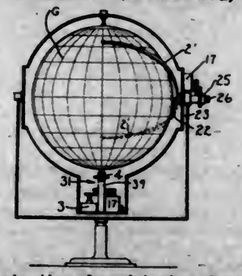
2,354,916
METHOD AND APPARATUS FOR EMBOSSING PLASTIC SHEET MATERIAL
Victor H. Hurt, Cranston, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 3, 1940, Serial No. 350,931
6 Claims. (Cl. 18—19)



1. Apparatus for producing designs in flexible plastic sheet material which comprises a rigid perforate base, means for reducing fluid pressure on one side of said base, a sheet of foraminous material in contact with the other side of said base, a flexible shaping sheet in contact with said foraminous sheet, said shaping sheet comprising a facsimile of the design to be produced and having open spaces extending therethrough so as to expose portions of said foraminous sheet.

4. The method of making an embossed bathing cap which comprises applying to a perforate bathing cap form a sheet having a design perforated therethrough, applying a blank rubber bathing cap over said designed sheet, sealing the edges of said rubber bathing cap, applying suction to the interior of said form, and vulcanizing said cap while suction is maintained in the form.

2,354,917
POSITION-INDICATING MECHANISM
Meredith Jones, Seattle, Wash.
Application February 9, 1942, Serial No. 430,166
12 Claims. (Cl. 33—204)

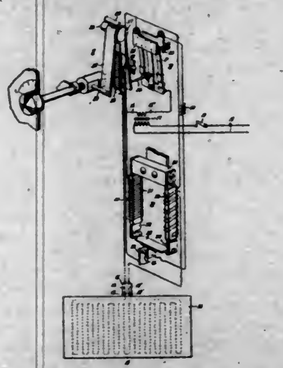


1. In a navigational registering device, a frame, a globe representing the earth and journalled in said frame to rotate about its polar axis, drive means responsive to the longitude component

of such device's position and operable to rotate said globe about such axis relative to said frame, an arm fixedly pivoted on said frame to swing about an axis lying in the equatorial plane of said globe and intersecting its polar axis, and carrying an indicator movable in the meridianal plane of said globe perpendicular to the arm's pivot axis by swinging of said arm, and means to swing said arm including drive means responsive to the latitude component of such device's position.

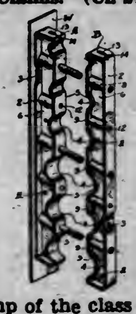
7. In a navigational registering device, an oscillating, gyroscope actuated receiver responsive to a component of such device's position, a member mounted for oscillation in synchronism with said receiver, a member mounted adjacent to said first member for movement independently thereof, and cooperating magnetically with said first member for movement thereby in response to a shift of the zero acceleration phase of said oscillating first member, but incapable of being moved thereby in response to individual oscillations thereof, and means actuated by said second member for registering a change in such component of the device's position.

2,354,918
TEMPERATURE CONTROL SYSTEM FOR ELECTRIC HEATING DEVICES
William K. Kearsley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 26, 1942, Serial No. 456,190
8 Claims. (Cl. 219—46)



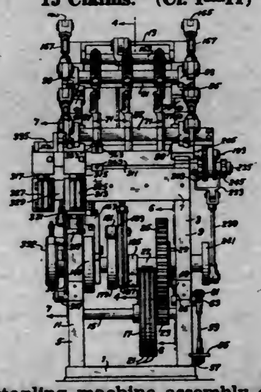
1. In combination, an electric heating device having a heating circuit the impedance of which varies with the temperature of the device, a source of current, a thermal responsive device having one position in which it connects said source to said heating circuit and another position in which said connection is interrupted, a heating element for said thermal responsive device connected to said source, a second thermal responsive device having two similar opposed thermostatic elements, a heating element for one of said thermostatic elements connected across said source in parallel with said heating circuit, a heating element for the other of said thermostatic elements connected in series with said heating circuit, and means controlled by second thermal responsive device for increasing for a given voltage of said source the heating effect produced by the heating element of said first mentioned thermal responsive device and the first mentioned heating element of said second thermal responsive device.

2,354,919
MULTIPLE CLAMPING DEVICE
Elmer Albert Lockwood, Burbank, Calif., assignor to Leroy Robert Bowles, Hollywood, Calif.
Application April 8, 1944, Serial No. 530,224
6 Claims. (Cl. 248—68)



1. In a clamp of the class described, clamping blocks being composed of an outside flat strip bent around to an enclosure form and its ends connected together, one side of the said form having a flat surface and the opposite side of that form formed into a series of curved seats shaped to fit one side of the articles to be clamped thereby and the depth of these seats slightly less than half the diameters of the articles to be clamped, a central member interposed between the walls of said block enclosure, said member being composed of two pieces of flat material having transverse curved depressions oppositely opposed to each other and each strip thereby forming passageways between the two strips through which clamping bolts are adapted to pass, the said two pieces of the said central member are riveted to each other and to the walls of the said enclosure form.

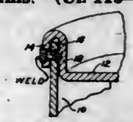
2,354,920
MANUFACTURE OF CONTAINERS AND APPARATUS THEREFOR
Manuel S. Lopes, Jr., Alameda, Calif.
Application May 27, 1940, Serial No. 337,467
15 Claims. (Cl. 1—11)



1. A stapling machine assembly comprising a pair of oppositely disposed anvils spaced to be enclosed by three wall components of a contemplated container, wherein two of said wall components engage different edges of the third component to form a pair of interior angles of such container; each of said anvils having work engaging surfaces forming an angle whose bisector lies at an angle of the order of 45° with the hori-

zontal; and a pair of stapling heads, each directed toward the position to be occupied by one of said edges of said third component substantially in line with the bisector of its associated anvil angle bisector.

2,354,921
METAL DRUM
Archie W. McClary, Oakland, Calif.
Application May 31, 1941, Serial No. 396,015
2 Claims. (Cl. 113—121)



1. The method of forming a seam in a metal drum, which comprises bringing the peripheral portion of a head sheet adjacent the peripheral portion of a wall sheet, folding one of said peripheral portions about the other to provide a chime seam of more than two parallel seam walls, welding all of said seam walls together along an intermediate portion thereof and along a path extending the entire periphery of said seam, simultaneously adding molten metal to the outer periphery of said chime seam along the path of said weld to form a continuous radially projecting reinforcing bead around said chime seam and extending on either side of said weld, and cooling said molten metal to shrink said bead.

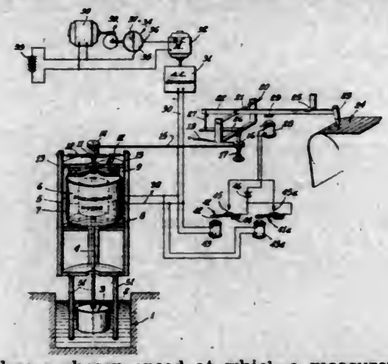
2,354,922
PORTABLE DERRICK
John McEwen and John P. Selberg, Los Angeles, Calif., assignors to International-Stacey Corporation, Columbus, Ohio, a corporation of Ohio
Original application February 14, 1941, Serial No. 378,924. Divided and this application December 5, 1941, Serial No. 421,798
8 Claims. (Cl. 189—11)



1. In a portable derrick of the type having a movable support and a mast section mounted adjacent to one end thereof for pivotal movement about a horizontal axis between a horizontal position and an upright position slightly beyond a vertical plane passing through the pivotal axis, means for operating said mast comprising fluid pressure actuated jack means pivotally connected at the ends with said support and mast section, resilient bumper means engaging said mast in its upward movement prior to reaching a truly vertical position, continued movement of said mast toward its operative upright position serving to progressively load said bumper means, and means for holding said bumper means in flexed condition.

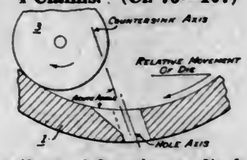
2,354,923
FRICTIONAL RESISTANCE TESTING APPARATUS
Bernard F. McNamee, Los Angeles, Calif., assignor to The Superior Oil Company, Los Angeles, Calif., a corporation of California
Application January 7, 1941, Serial No. 373,394
10 Claims. (Cl. 265—11)

1. In measuring apparatus having means for evaluating an effect, which means incorporates a moving element the speed of which is a factor influencing the extent of response of said evaluating means to said effect: means for driving said element at a variable speed, varying above and



below a chosen speed at which a measurement is desired, and means controlled by the speed of said element for producing an indication of the response of said evaluating means only when said element is moving at said chosen speed.

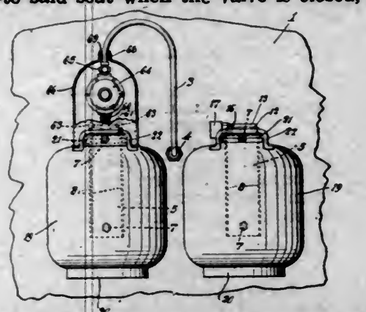
2,354,924
EXTRUSION MILL
Edgar T. Meakin, San Francisco, Calif.
Application January 15, 1941, Serial No. 374,447
4 Claims. (Cl. 76—107)



1. The method of forming a die hole in a die comprising a compression surface for use in an extrusion mill, wherein there is relative movement between said die and an extrusion element cooperatively disposed with respect to the compression surface of said die, the extreme limits of the hole in the direction of movement of the element being defined by a leading edge and trailing edge respectively, comprising, forming a hole through said die, countersinking the material bounding said hole by rotating a tool provided with a cutting edge about an axis eccentric of the axis of the hole, said tool having a radius greater than the radius of the hole and the locus of the cutting edge of the tool is substantially tangential to the mid-portion of the trailing edge of the hole, whereby the material adjacent the mid-portion of the trailing edge is removed.

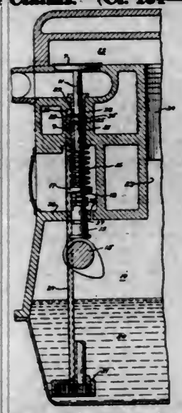
2,354,925
APPARATUS FOR AND SYSTEM OF FLUID SUPPLY
Ellsworth L. Mills and Savin L. Sundstrom, Chicago, Ill., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application October 21, 1939, Serial No. 300,682
6 Claims. (Cl. 62—1)

1. In a fuel supply system having a portable pressure tank as a source of supply of fuel under pressure and a base adapted to support the tank in upright position the combination of a fluid conduit mounted upon the base and having a flexible connector joined thereto, a pressure regulator connected rigidly to the free end of said connector, a connection receiving member adapted to be secured to said tank and provided with a frusto-conical metallic seat therein around a small passageway opening upwardly and terminating in a threaded opening, an outwardly moving self closing valve preventing escape of the contents of the tank through the passageway, a member mounted on the valve and disposed in the passageway to terminate at a point proximate to said seat when the valve is closed, and



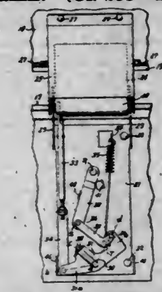
means for connecting said pressure regulator to said connection receiving member including, a tubular member secured rigidly to the regulator and having a shouldered head terminating in a round seating portion for contacting the seat and displacing the member upon the valve to open the valve, and a manually rotated member swivelled upon the tubular member to engage the shouldered head and be received in said threaded opening to exert pressure between said seat and said seating portion.

2,354,926
VALVE LUBRICATION SYSTEM
Raymond A. Patterson, Albany, Calif.
Application November 17, 1941, Serial No. 419,413
4 Claims. (Cl. 184—6)



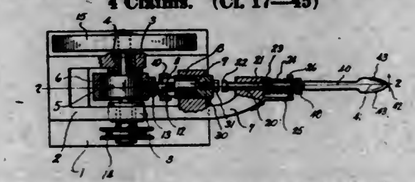
1. A valve lubrication system comprising a reservoir for lubricant; a channel for the flow of said lubricant, connecting from said reservoir; a pump for pumping lubricant under pressure from said reservoir into said channel; a plurality of valve assemblies, each of said assemblies including a valve sleeve having a side opening connecting into said channel, and a valve having a valve stem slidably supported in said sleeve; means for sequentially reciprocating said valves in their respective valve sleeves; and means for distributing lubricant to the bearing surface of each of said sleeves, said means including a plurality of independent, unconnected peripheral grooves in each valve stem spaced from each other a distance less than the stroke of each valve and located for passage across said side opening during each stroke of such valve.

2,354,927
COVER STRUCTURE
August A. Propernick, Rochester, N. Y., assignor to General Electric Company, a corporation of New York
Application October 10, 1942, Serial No. 461,587
4 Claims. (Cl. 268—1)



1. Operating and counter-balance mechanism for a member movable from a substantially horizontal position to a substantially vertical position comprising, a bell crank mounted for movement on a fixed axis, means for moving said bell crank on said axis, means connecting one arm of said bell crank to said member so that when it is moved in one direction it moves said member from said horizontal to said vertical position and when moved in the opposite direction it returns said member to said horizontal position, a toggle connected to the other end of said bell crank, said toggle located on the first side of the dead-center position of said toggle when said member is in its horizontal position, a stop on said first side for limiting the movement of said toggle, a spring connected to an element of said toggle so as to apply a force directed angularly thereto from said first side so that it holds said toggle in a broken position against said stop, said stop absorbing said force of said spring so that the spring cannot tend to lift said member from said horizontal position, a second stop located on the other side of said dead-center position, and said toggle being moved by said bell crank from said first stop to and through said dead-center position toward said second stop when said bell crank operates said member from said horizontal to said vertical position, the spring force then pulling said toggle toward said second stop to assist in moving said member to said vertical position.

2,354,928
OYSTER OPENING METHOD
Geronimo R. Ragupos, Spokane, Wash.
Application February 19, 1943, Serial No. 476,397
4 Claims. (Cl. 17—45)

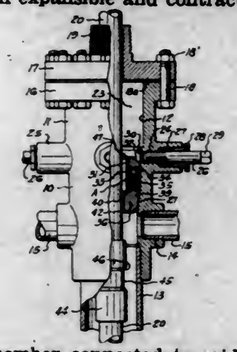


1. The method of opening oysters which com-

prises causing a tool of chisel-like form to rapidly vibrate in an endwise direction, and moving the oyster shell against the blade end to cause it to chisel into the shell.

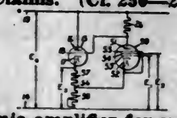
2,354,929
MEANS FOR LANDING AND SUPPORTING WELL TUBINGS
Laurence L. Rector and Lewis D. Hilton, Fort Worth, Tex.
Application May 13, 1940, Serial No. 334,750
4 Claims. (Cl. 166—15)

1. The combination with a well head having a bore for the passage of a well tube therethrough, said bore being formed with an enlarged upper portion and a reduced lower portion, said reduced portion of the bore having a downwardly tapered seating surface, and a retaining means disposed between the reduced and enlarged portions of the bore and spaced from said tapered seating surface, said retaining means being supported for movement into and out of the bore of the well head, of a well tube supporting device of a length less than either of said reduced or enlarged portions of the bore, including a ring adapted to be disposed about the well tube and having a beveled surface, an expansible and contractable resilient



packing member connected to said ring, and a plurality of cooperating tube engaging elements connected to and depending from the packing member, each of said tube engaging elements having a portion of its external surface formed to engage and cooperate with said tapered seating surface so as to be moved into gripping engagement with the well tube, whereupon the beveled surface of the ring is engageable by the retaining means and forced downwardly to expand the packing member to seal off between the tube and the wall defining the bore of the well head.

2,354,930
ELECTRIC CONTROL CIRCUIT
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application February 24, 1941, Serial No. 380,227, now Patent No. 2,336,638, dated September 28, 1943. Divided and this application February 11, 1942, Serial No. 430,473
7 Claims. (Cl. 250—27)



1. An electronic amplifier for supplying a unidirectional voltage to a load circuit which varies abruptly from one predetermined value to a second predetermined value for small changes in the magnitude of a control voltage which comprises a source of current, a resistance connected across said load circuit, an electronic discharge device connected in series relation with said resistance across said source, said electronic discharge device having a control grid, means energized from said source for controlling the potential of said control grid comprising a serially connected resistance and an electronic discharge device provided with an anode, a cathode and a control grid having a sharp cut-off characteristic, means for connecting the grid of said second mentioned discharge device to said first mentioned resistance, means for adjusting the portion of said first mentioned resistance included in the grid-cathode circuit of said second mentioned electric discharge device, means for connecting the anode of the second mentioned discharge device to the grid of the first mentioned discharge device, and means for impressing said control voltage on the control grid of the second mentioned discharge device.

2,354,931
FILTERING MEMBER
John A. Tolman, Detroit, Mich.
Application June 24, 1940, Serial No. 342,046
3 Claims. (Cl. 210—169)



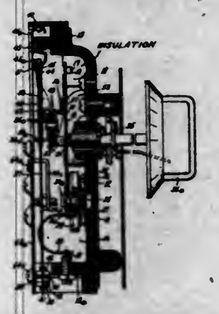
1. A filtering member comprising a multiplicity of cylindrical strands disposed in rows and direct contact relation to each other, one strand of a row being in contact with two strands of an adjacent row, a retainer member adapted to encircle said strands and to maintain them under transverse pressure to preserve said relation, and a filler closing the filtration channels between the outside strands and the inner surface of said retainer member.

2,354,932
HEATING APPARATUS
Jay P. Walker and Clarence O. Glasgow, Tulsa, Okla., assignors to National Tank Company, Tulsa, Okla., a corporation of Nevada
Application April 7, 1941, Serial No. 387,276
17 Claims. (Cl. 62—1)



1. A heating apparatus, comprising, an enlarged chamber adapted to contain a body of a liquid heat transfer medium, a partitioning member dividing said chamber into separate generally upper and lower compartments, and means to produce thermo-syphonic circulation of said medium between said compartments comprising, a tubular coil positioned in the upper compartment, a heating gas conduit positioned in said lower compartment, both said coil and said conduit being adapted to be submerged in said medium, means to supply a high pressure heat-absorbing fluid to said coil, pressure reducing means associated with said coil for reducing the pressure of said fluid while in passage through said coil, means to supply heating fluid to said conduit, and spaced passageways through said partitioning member providing communication between said compartments.

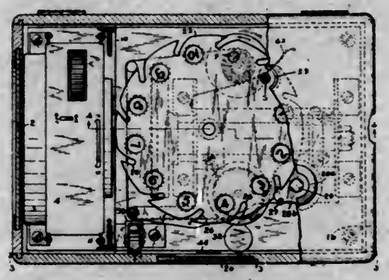
2,354,933
CONTROL DEVICE
Russell A. Winborne, New York, N. Y., assignor to Edison General Electric Appliance Company, Inc., a corporation of New York
Application February 10, 1943, Serial No. 475,420
9 Claims. (Cl. 200—113)



1. A control device comprising a pivotally mounted resilient operating member, circuit control means actuated by said operating member, an elongated extensible and contractable wire-like thermal element, means anchoring one end of said thermal element, a loading spring attached to the other end of said thermal element functioning to tension it, connection means between said thermal element and said resilient operating member for causing movements thereof as said thermal element extends and contracts, normally-fixed fulcrum means engaged by said operating member as it is moved by said connection means to effect controlling movements of said operating member to actuate said circuit control means by predetermined movements of said thermal element, and means for adjusting the position of said fulcrum means to predetermine the movements of said thermal element required to effect circuit controlling movements of said operating member.

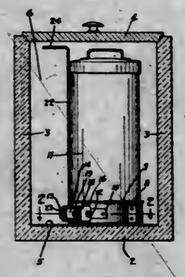
2,354,934
TIME RECORDING MECHANISM
Edwin J. Woodhall, Akron, Ohio, assignor to The American Racing Pigeon Union, Jersey City, N. J.
Application January 13, 1942, Serial No. 426,600
5 Claims. (Cl. 234—36)

1. In mechanism of the class described, the combination of a casing one wall of which is formed with an opening, and a recording mechanism in said casing and including an operating shaft, a movable member comprising a disk and a plurality of holders extending therefrom and having receiving openings in said disk, the marginal portion of said disk being formed with a slot adjacent each holder, and a disk on said shaft overlapping said first mentioned disk to fit between said holders to lock said member against movement, said last mentioned disk having an operating device arranged to move into and out of one of said slots in each revolution of said shaft to move a succeeding holder into registry with said opening and a recess adjacent said operating device arranged



to receive the holder adjacent the slot into which the operating device moves in each operation thereof.

2,354,935
LOCKING DEVICE FOR CANS
Fred Andrea, New Richmond, Wis.
Application September 21, 1942, Serial No. 459,195
3 Claims. (Cl. 248—361)



3. In a device of the class described, a supporting plate, a split locking band having suitable brackets securing the intermediate portion thereof to the supporting plate, a box-shaped member embracing the ends of the locking band, a spring interposed between one end of said box-shaped member and the adjacent end of the locking band and constantly tending to contract the band, an operating rod rotatably supported in said box-shaped member and having an arm adapted to engage the movable end of the locking band, and an operating handle at the upper end of the rod whereby the locking band may be conveniently operated to secure a can against rotation on said plate.

2,354,936
APPARATUS FOR SINKING PILES
Edward Bignell, Los Angeles, Calif., assignor to Emma C. Bignell, Los Angeles, Calif.
Application December 15, 1941, Serial No. 423,028
6 Claims. (Cl. 61—86)

1. In an apparatus of the character described, a manifold loop removably mounted about the toe portion of a pile, means for supplying the manifold with fluid pressure medium, downwardly directed jetting nozzles in the manifold for causing the fluid pressure medium to form a hole in a portion of the earth in which the pile is to be sunk, and upwardly directed means

mounted in the manifold, said means having nozzles therein for causing the fluid pressure



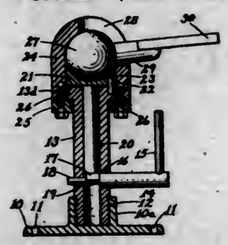
medium in the manifold to force particles of the earth upwardly from said hole as the pile is being sunk in said hole.

2,354,937

WORK-HOLDING DEVICE HAVING A BALL AND SOCKET AS A MEANS FOR UNIVERSAL ADJUSTMENT

Clemon W. Barker, Wichita, Kans.

Application October 2, 1942, Serial No. 460,584
6 Claims. (Cl. 287—12)



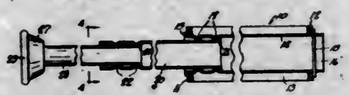
1. In a work holder device; in combination, a work holding element, a support pin for the work holding element, and a ball, said pin being rigidly carried on said ball, a socket for said ball, and means for contracting said socket to rigidly bind and hold said ball in adjusted positions and said socket being in axial alignment with, and being swivelly supported on one end of a standard.

2,354,938

EXTENSIBLE RACK

John E. Borah, Osceola, Ind.

Application November 24, 1941, Serial No. 420,163
10 Claims. (Cl. 211—94)



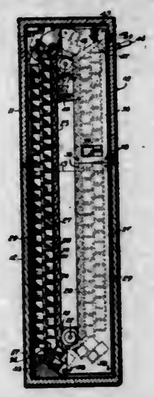
1. An extensible rack comprising a support, a plurality of telescoping tubes, and means fixedly mounting the outermost tube on said support, each of the encircling tubes having at least two spaced circumferential inwardly off-set portions adjacent the front end thereof, the opposite end of each of the encircled tubes flaring outwardly.

2,354,939

CONVEYING MECHANISM

John B. Brock, Adairsville, Ga., assignor to Jessie Hatcher Cutler, Columbus, Ga.

Original application January 9, 1939, Serial No. 250,044, now Patent No. 2,254,208, dated September 2, 1941. Divided and this application July 29, 1941, Serial No. 404,571
8 Claims. (Cl. 198—131)



1. An article carrier for an article dispensing apparatus comprising a conveying device movable in a vertical plane, and a plurality of article holders carried and solely supported by said device, each article holder comprising a pair of off-set article holding units extending at an angle to the horizontal and each having an open end from which an article is discharged by gravity during a portion of the travel of each unit with the conveying device in which each article holder slopes downwardly toward its open end.

2,354,940

FUNGICIDE

Roscoe H. Carter, Washington, D. C., and Marion C. Goldsworthy, Takoma Park, Md., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application October 20, 1942, Serial No. 462,680
1 Claim. (Cl. 167—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A process of combatting fungi comprising applying to the fungi a material containing dimorpholine thiuram disulfide as its active ingredient.

2,354,941

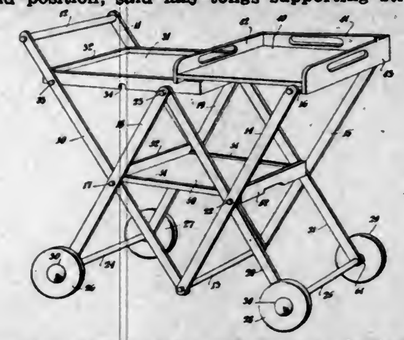
SERVING TABLE

Harold A. Treitel, New York, N. Y., assignor to Treitel-Gratz Company, Inc., New York, N. Y., a corporation of New York

Application May 5, 1943, Serial No. 485,714
5 Claims. (Cl. 280—36)

4. A mobile table comprising crossed pairs of spaced, parallel legs collapsibly pivoted to each other and forming a lazy-tongs supporting structure; wheels at the lower ends of some of said legs; a top-supporting member extending between the upper ends of the legs of one pair; a top member pivoted to the upper ends of the legs of another pair and having a width less than the spacing between said pairs of legs and

so mounted and arranged as to swing between said pairs of legs, and having means for engaging said top-supporting member when the legs are in expanded position, to hold the legs in said position, said lazy-tongs supporting struc-



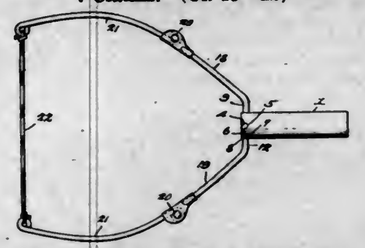
ture being adapted for collapse in a horizontal direction and when so collapsed to include said top member within its confines in a depending position, and with the lazy-tongs structure standing substantially vertically on its said wheels.

2,354,942

LANDING NET

Flavious J. Chapman, Catawba Sanatorium, Va.

Application April 5, 1943, Serial No. 481,919
7 Claims. (Cl. 43—12)



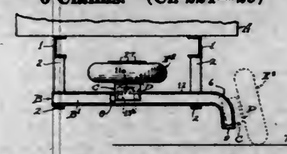
1. A frame for landing nets including opposed resilient arms, each arm comprising hingedly connected portions, a restraining element connecting the arms and proportioned to place the arms under tension when oppositely disposed to each other, and a handle connecting the arms for relative movement past a dead center and means on the handle and cooperating with the arms for limiting their movement in one direction past a dead center thereby to maintain the arms under tension exerted by the restraining means.

2,354,943

DOUBLE TRACK AUXILIARY WHEEL AND TIRE CARRIER

Kenneth C. Clark, Watsonville, Calif.

Application December 8, 1941, Serial No. 422,073
6 Claims. (Cl. 224—29)



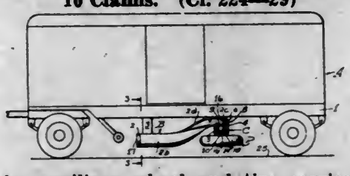
5. In an auxiliary wheel and tire carrier, a pair of generally horizontal parallel rails securable to the underside of a vehicle, a wheel and tire supporting carriage movable along the rails, said rails having downwardly curved ends that are positioned close enough to the ground so that when the carriage and wheel are moved to the rail ends they will be tilted into a substantially upright position, the tire contacting with the ground and supporting the wheel when the carriage is at the end of the rails.

2,354,944

SINGLE TRACK AUXILIARY WHEEL AND TIRE CARRIER

Kenneth C. Clark, Watsonville, Calif.

Application January 26, 1942, Serial No. 428,168
10 Claims. (Cl. 224—29)



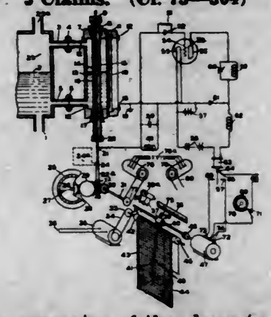
1. An auxiliary wheel and tire carrier for a vehicle and comprising a single rail having a portion extending transversely under the vehicle body and another portion extending at an angle to the first portion and paralleling the vehicle side, both portions being connected by a curve and a carriage movable along the rail for conveying an auxiliary wheel and tire from a position under the vehicle into one along side the vehicle side where the wheel and tire may be readily reached for removal from the carriage.

2,354,945

LIQUID LEVEL SENSITIVE APPARATUS

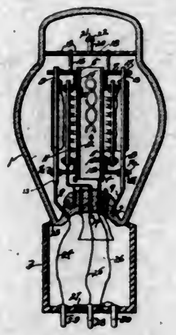
Theodore A. Cohen and Hans J. Ostermann, Chicago, Ill., assignors, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois

Application April 11, 1939, Serial No. 267,326
3 Claims. (Cl. 73—304)



1. In an apparatus of the character described, the combination of a liquid container, liquid level sensitive variable electrical reactive means including a movable member cooperating with the liquid in the container whereby relative movement between the liquid level and said member will vary said means in accordance with the change in liquid level, an oscillator responsive to such variation in said means and means controlled in turn by said oscillator for restoring said member to its previous relative position with respect to said level before the change and for indicating the liquid level, said oscillator being rigidly mounted with respect to said movable member.

2,354,946
ELECTRONIC TUBE
Theodore A. Cohen, Chicago, Ill., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1942, Serial No. 427,794
9 Claims. (Cl. 250—27.5)



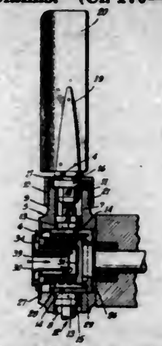
1. An electronic tube comprising a controlled and a control electrode, intersupporting structure for said electrodes provided with means, therebetween, for contacting any leakage path and connecting the same to a predetermined potential, an envelop enclosing said electrodes and structure and a getter shield separating a portion of the interior of said envelop from said structure, with the getter supported in said separated portion for minimizing the leakage path which may result from the deposit of getter salts on said structure.

2,354,947
HOLLOW HEAD POPPET VALVE
Archie T. Colwell, Cleveland, Ohio, assignor to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio
Application August 30, 1940, Serial No. 354,787
5 Claims. (Cl. 123—188)



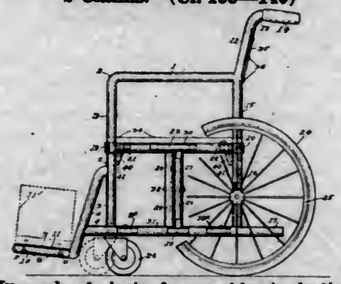
1. A hollow head metal poppet valve comprising a one-piece metal cap having a dependent peripheral flange defining a rim of appreciable width, said cap having the metal grain bands thereof terminating in said rim and defining the exterior top and side walls of the cap with their sides only, a one-piece metal stem body member having an outwardly flaring hollow tulip end bounded by a circular rim of appreciable width, said body member having the metal grain bands thereof terminating in said rim and defining the exterior side walls of the body member with their sides only, and a weld integrally uniting said rims to unite the cap and body member for providing the valve with all of the exposed surfaces in the head area thereof defined only by the sides of the metal grain bands.

2,354,948
MEANS FOR CONTROLLING FEATHERING MEMBERS
David Brainard Dewey, Pasadena, Calif.
Application April 9, 1940, Serial No. 328,706
4 Claims. (Cl. 170—163)



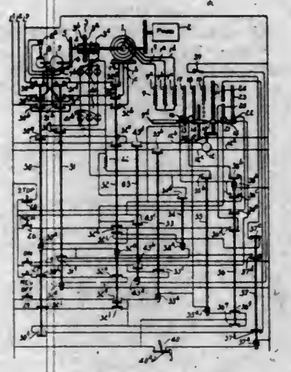
1. A feathering blade assembly comprising: a hub, radially extending bores in said hub, fan blade studs rotatably journaled in said bores, eccentrically positioned cam pins extending inwardly from said fan blade studs, an axially movable member within said hub, said member being provided with a circumferential groove adapted to slidably receive said pins, a ported cover plate for the outer end of said hub, a cylindrical closed end member carried by said plate and extending into said hub, a bellows carried by said plate and surrounding said inwardly extending member, and air induction means leading into said inwardly extending member, said air induction means including substantially radially extending air eduction channels.

2,354,949
FOLDING WHEEL CHAIR
Sam Ducavich, Chicago, Ill.
Application December 23, 1940, Serial No. 371,361
2 Claims. (Cl. 155—140)



1. In a wheel chair, frame sides including front and rear legs, horizontal front and rear bottom tubes carried by said front and rear legs respectively and extending forwardly and rearwardly beyond said legs, inclined tubes connecting the forward ends of said front bottom tubes to said front legs, upwardly inclined bars secured to the lower ends of said inclined tubes, foot rests pivotally carried thereby, main bottom tubes connected to said front and rear bottom tubes, seat bar stub tubes slidably carried by said front and rear legs, main seat bar tubes connecting said seat bar stub tubes, a flexible seat carried by said seat bar stub tubes, and crossed pivotally connected coupling tubes swivel connected to said main seat bar tubes and to said main bottom tubes.

2,354,950
PRINTING PRESS DRIVE
Cyril P. Feldhausen, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 6, 1943, Serial No. 474,986
17 Claims. (Cl. 172—179)



17. For printing presses and other machines, in combination, a two-motor drive comprising a large motor and a smaller motor, means affording operative connections between said motors and the driven machine and including a clutch through which operative connection between said smaller motor and the driven machine is made, and control means for said motors and said clutch to afford drive of the machine by said motors selectively and dynamic braking of the machine by said smaller motor with said clutch engaged, said control means comprising means to effect running at any one of a number of printing speeds through the medium of said large motor, and emergency means to effect dynamic braking through the medium of said smaller motor for slowdown without stopping, said means for controlling the speed of said large motor tending automatically to return to a given position following operation of said emergency means or stopping by said control means and requiring full return movement prior to restarting of said large motor after stopping operation of said control means, but said control means meanwhile affording inching operation of said smaller motor through the medium of said inching means and affording restarting of said large motor without full return of said controller following tripping and resetting of said emergency means.

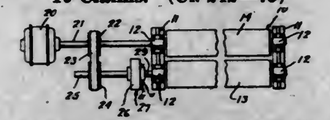
2,354,951
OPERATING MECHANISM FOR REGISTERING DEVICES
Adolph C. Erisman, Port Richmond, and Michael C. Smith, Elmhurst, N. Y.
Application April 8, 1941, Serial No. 387,422
4 Claims. (Cl. 235—1)

1. In combination with a device to be operated, actuating means for said device, and means controlling the operation of said actuating means including a permutation mechanism comprising a plurality of relatively rotatable tumblers, and means adjustably connected with a part of said actuating means for selective engagement with certain of the tumblers, each tumbler having means to cooperate with said adjustable means,



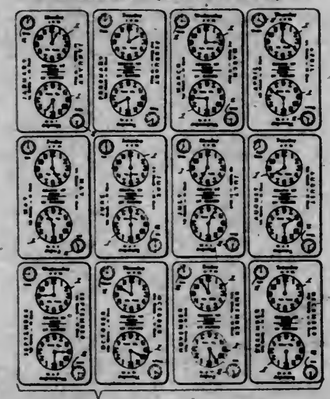
whereby rotation of said selected tumblers effectively operates said actuating means.

2,354,952
PAPER WINDER
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application May 8, 1941, Serial No. 392,445
10 Claims. (Cl. 242—75)



1. In a twin under drum paper winder including a pair of spaced horizontally aligned winder drums, the improvement which comprises a main drive shaft for directly driving one of said drums, a secondary drive shaft driven from said main drive shaft at a slower rate of speed, an armature drum driven by said secondary drive shaft, a magnetic spider and coil mounted within said armature drum, a shaft coupling said spider to the other of said winder drums, means for electrically exciting said coil to induce eddy currents between the spider and armature drum for rotating the spider, and means for varying the degree of excitation of said coil to determine the minimum speed of said other winder drum.

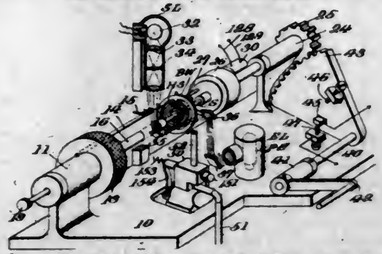
2,354,953
CARD GAME
Andrew S. Kinney, Redwood Falls, Minn.
Application November 16, 1942, Serial No. 465,743
1 Claim. (Cl. 273—152)



A card game including two suits of cards bearing the indicia "A. M." and "P. M.," respectively, each suit including twelve cards designated by

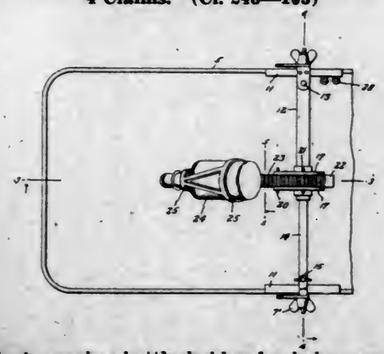
the respective names of the months of the year, said "month" cards of each suit being divided into six pairs, the cards of each pair being further designated by the six days of the week, the cards of each group of a suit being provided with opposed duplicate clock faces thereon each indicating an hour of the day differing from that indicated on the other card of the same group, there being two "Sunday" cards included in each suit, the "Sunday" cards of one group bearing the indicia "A. M." and the name of one month of the year and the "Sunday" cards of the other group bearing the indicia "P. M." and the name of another month, the "Sunday" cards of each group having clock faces indicating different hours of the day.

2,354,954
MOTION CONTROLLING DEVICE
Walter Kohlhagen, Elgin, Ill., assignor to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois
Application May 21, 1942, Serial No. 443,997
13 Claims. (Cl. 250—41.5)



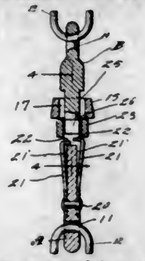
1. An apparatus for maintaining an oscillatory device in motion at its natural frequency, comprising means for delivering energy to the device, means for scanning the device itself in its motion and therewith effective for controlling said delivering means for procuring the delivery of energy at the proper phase relationship in the natural period of said device, and means responsive to the amplitude of the prevailing oscillations of the device for controlling said delivering means for procuring the delivery of energy only when the amplitude is below a predetermined value.

2,354,955
NURSING BOTTLE HOLDER
John Jacob Lawrence, Chester, Pa.
Application December 2, 1943, Serial No. 512,614
4 Claims. (Cl. 248—103)



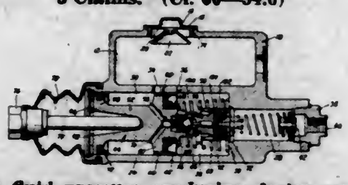
1. A nursing bottle holder for baby carriages comprising a bar disposed transversely of the top of the carriage, means for removably securing the ends of the bar to the carriage, an arm having a nursing bottle secured to one end thereof and provided with a toothed edge, a disk carried by the bar, said arm resting on the bar at one side of the disk, and means carried by the disk and with which the teeth of the arm is selectively engageable for securing the arm in a swingably adjusted position about the axis of the disk.

2,354,956
NO SLACK CHAIN COUPLER
Walter Lytle Moore, Ball, La.
Application April 28, 1943, Serial No. 484,927
4 Claims. (Cl. 59—93)



1. A coupling comprising first and second separable sections, said first section having a head provided with an opening, a slidable link on said first section movable against the head to surround a portion of the second section to maintain the sections overlapped, said first section including spring finger means normally supporting the link and preventing movement thereof away from the head, said link being forcibly slidable against the said spring fingers to cause retraction of the latter and to enable release of the second section.

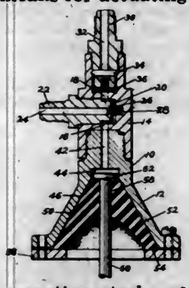
2,354,957
FLUID PRESSURE PRODUCING DEVICE
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application November 7, 1941, Serial No. 418,267
5 Claims. (Cl. 60—54.6)



1. A fluid pressure producing device comprising a cylinder including a large chamber and a small chamber, a piston reciprocable in each of the chambers, socket means coupling the pistons together and normally supporting the piston of the small chamber within the large chamber to so provide direct communication between the chambers, and means adapted to align the small piston with the small chamber upon advance of the pistons.

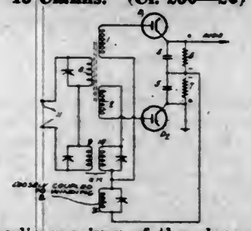
2,354,958
DIAPHRAGM PUMP
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 29, 1943, Serial No. 489,042
5 Claims. (Cl. 103—150)

1. In a fluid pump, a cylinder having a closed end and an open end, a frusto-conical diaphragm having its base supported in the open end of the cylinder, and means for actuating the diaphragm



solely during a suction stroke of the pump, the apex of the diaphragm being the pressure head of the pump.

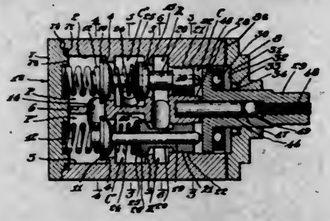
2,354,959
AMPLITUDE- AND FREQUENCY-MODULATION RADIO RECEIVER
Claudius T. McCoy, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application November 14, 1941, Serial No. 419,200
15 Claims. (Cl. 250—20)



1. In a radio receiver of the class described, a frequency detector of the balanced variety including a pair of vacuum tube devices, a pair of load impedances connected to said devices, means including a split frequency-discriminating network for supplying a received frequency-modulated signal to said tubes, an input circuit adapted to provide a received amplitude-modulated signal across its output terminals, fixed means for connecting said terminals in series with a part of said frequency discriminating network and a predetermined one only of said vacuum tube devices, an audio frequency amplifier, fixed connections for supplying detected signals from both of said load impedances to said amplifier during the reception of frequency-modulated signals, and fixed connections for supplying detected signals from said predetermined one of said load impedances to said amplifier during the reception of amplitude-modulated signals.

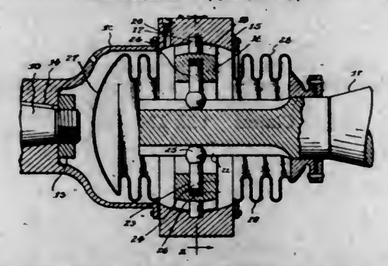
2,354,960
CONTROL VALVE
Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application July 6, 1942, Serial No. 448,920
8 Claims. (Cl. 137—144)

1. In a hydraulic control valve, an elongated valve body member having parallel bores extending longitudinally therethrough and separated by an integral partition portion extending substantially along the longitudinal medial line of said body member, said partition being removed adjacent to one end of said body member to form an axial chamber for valve operating means, a closure secured to the other end of the body member to close said bores, another closure secured to said one end of said body member to close said chamber, valve seats in said bores, valve members mounted in said bores for cooperation with said seats, ports extending through said body member from outer surfaces thereof into said bores for conducting fluid to and from said bores under control of said valve members, stems on said valve members extending axially of



and into said chamber, an operating shaft extending through the closure for said chamber and axially into said chamber, and means in said chamber responsive to the turning of said shaft for operating said valve members; a bearing pin coaxial with and extending into said shaft; bores in said partition and shaft respectively receiving said pin, a screw axially adjustably mounted in the bore of said shaft and a ball bearing interposed between said pin and said screw.

2,354,961
UNIVERSAL JOINT
William A. O'Donnell, Detroit, Mich.
Application July 5, 1941, Serial No. 401,146
15 Claims. (Cl. 64—8)

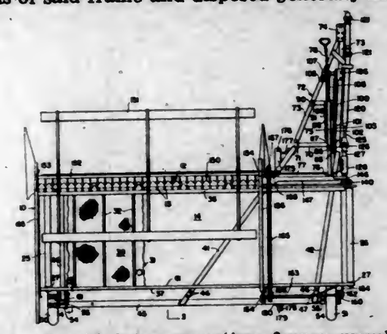


1. A universal joint comprising a driving shaft, a driven shaft, a member on one of said shafts having an axial opening therein adapted to receive the end of the second shaft, a plurality of plungers spaced about the interior of said member, a quantity of liquid retained within said opening, means to connect the outer ends of said plungers to said liquid and means to utilize the effect of centrifugal force on said liquid to force liquid through said passages to project said plungers substantially radially of said shafts into firm engagement with said second shaft.

2,354,962
WINDROWER
Alvin W. Ochler and Donald L. Adams, Moline, and Shellman S. Harter, East Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application October 7, 1940, Serial No. 360,030
36 Claims. (Cl. 56—23)

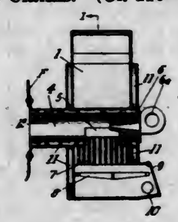
1. A windrower comprising a platform frame including a pair of fore and aft spaced trans-

versely extending parallel members and a plurality of interconnecting frame members, a draft frame extending forwardly from the forward transverse member inwardly of the stubbleward end thereof for supporting the front portion of said frame on a tractor, a cutter bar extending from said draft frame along said forward transverse frame member, a pair of fore and aft extending conveyor rollers journaled at opposite ends of said frame and disposed generally in the



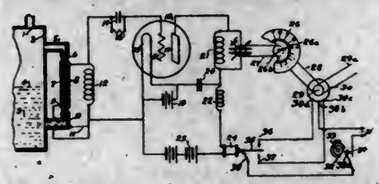
plane of said interconnecting frame members, a flexible endless conveyor extending across the entire width of said frame over said interconnecting members behind said cutter bar and said draft frame and discharging from the extreme stubbleward end of said frame, said conveyor having a return flight disposed beneath said interconnecting frame members, and a pair of ground wheels for supporting said platform disposed rearwardly of the latter and inwardly of the outer ends of said conveyor.

2,354,963
COMBUSTION DEVICE
Olof Axel Ohlsson, Stockholm, Sweden
Application December 19, 1939, Serial No. 310,041
In Sweden May 17, 1939
6 Claims. (Cl. 110—31)



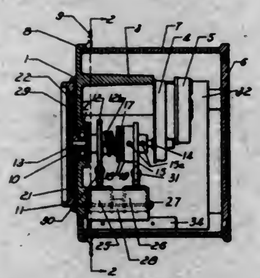
6. A combustion device comprising in combination means defining a fuel receptacle for solid fuel; means defining a gasification chamber adjoining and below said fuel receptacle; means defining a constricted conduit interconnecting said fuel receptacle and gasification chamber and through which fuel passes from the former to the latter; inclined supporting means in the lower part of said gasification chamber and in substantial alinement with said conduit, for supporting in said gasification chamber the fuel fed from said receptacle; an air inlet into said gasification chamber above the fuel on said supporting means, and an exhaust duct leading from said gasification chamber above the fuel on said supporting means at a point substantially opposite said air inlet; and means to supply air under pressure through said inlet.

2,354,964
LIQUID LEVEL SENSITIVE APPARATUS
Hans J. Ostermann and Theodore A. Cohen, Chicago, Ill., assignors, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois
Application May 3, 1939, Serial No. 271,565
9 Claims. (Cl. 73—304)



1. In an apparatus of the character described, the combination of a liquid container, a pair of spaced metallic members out of direct electrical contact with the liquid in the container and extending a substatnial distance above and below a predetermined level of the liquid in such position that change in said level will correspondingly vary the capacity between said members, an electronic oscillator connected to said members for detuning thereby and means, controlled in turn by said oscillator, for automatically returning the oscillator and indicating the new liquid level.

2,354,965
ELECTRICAL INPUT CONTROLLER
Hans J. Ostermann and Theodore A. Cohen, Chicago, Ill., assignors, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois
Application July 31, 1940, Serial No. 349,026
3 Claims. (Cl. 200—33)

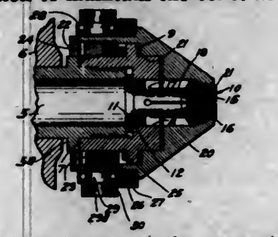


1. In an apparatus of the character described, a pair of cams, means for driving the same at a predetermined rate of speed, manually operated means for adjusting the relative position of one cam with respect to the other so as to obtain an adjustable range of zero to 100% input to load and cooperating switch means operable by said cams.

2,354,966
COLLET ATTACHMENT FOR LATHES
Anthony Panza and William E. Panza, Los Angeles, Calif.
Application October 28, 1942, Serial No. 463,656
4 Claims. (Cl. 279—50)

1. In a collet attachment for lathes, a resilient collet having a tubular body and a diametrically expansible head which is tapered away from said body, means for securing said body to the outer end portion of a lathe spindle in axial alinement

therewith, a clamping sleeve mounted upon said securing means in a surrounding relation thereto, said sleeve having an internally tapered portion which is in a surrounding contacting relation to the aforesaid tapered portion of said head, said sleeve having a slight axial movement in relation to said collet, spring means carried by the aforesaid securing means in a position to urge said sleeve in a direction to cause its internally tapered portion to maintain the collet in a con-



tracted condition to grip work, means to move said sleeve in opposition to said spring, thereby to allow said collet to expand and relax its grip upon the work, said means for moving said sleeve including a main lever pivotally supported between its ends with one of its ends positioned to act upon said sleeve, and a manually operable cam lever positioned to act upon the opposite end portion of said main lever, said cam lever having a plurality of flat cam faces which dependably maintain it in various adjusted positions.

2,354,967
LINE BLIND
Donald E. Perry, Compton, Calif., assignor to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California
Application July 27, 1942, Serial No. 452,537
7 Claims. (Cl. 251—159)



1. A line blind comprising a body having a fluid passage, a slot in said body perpendicular to said passage, and a flow controlling member in said slot, said flow controlling member comprising an annular plate having annular grooves on each side thereof and an annular sealing member having rings adapted to be inserted in said grooves and having annular portions connecting said rings whereby fluid is prevented from penetrating behind said sealing member.

2,354,968
KNIFE, FORK, AND SPOON HOLDER
Glenroy Pickering, Parkersburg, W. Va.
Application October 5, 1943, Serial No. 505,964
1 Claim. (Cl. 65—65)



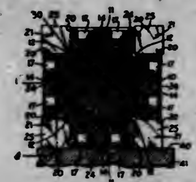
A knife, fork and spoon holder, comprising a body portion, a supporting leg at one end of the body portion adapted to rest on a supporting surface, said body portion having a curved upper edge formed with notches extending inwardly therefrom, the bottom of one of the notches being inclined to support a spoon inclined with respect to the supporting surface, and said body portion having a slot extending inwardly from one end thereof adapted to receive the edge of a plate with which the holder is used.

2,354,969
MOP STRUCTURE
Frank A. Trindl and Catherine O. Trindl, Chicago, Ill.
Application September 11, 1941, Serial No. 410,352
3 Claims. (Cl. 15—244)



1. A mop construction comprising an elongate head portion having longitudinal slots in a face thereof, said slots being spaced from each other and from the longitudinal edges of said head portion, a flexible backing member seated on said face and in said slots, a flexible rod member seated on said backing member in each of said slots, said rod members terminating short of the ends of said head portion, means spaced longitudinally along each of said rod members for holding them and said backing member on said head portion, and a compressible absorbing mopping portion carried by said backing member for limited hinging action around and on the ends of said rod members, said flexible backing and said mopping portion being of such a size as to be disposed within the confines of the edges of the side of the head portion to which they are secured.

2,354,970
WORK HOLDER
Frank G. Volkel, Los Angeles, Calif., assignor to Volkel Bros. Machine Works, Los Angeles, Calif., a copartnership consisting of Frank G. Volkel and Robert C. Volkel
Application November 10, 1943, Serial No. 509,683
7 Claims. (Cl. 51—217)



1. In a work holder for holding work during abrading, the combination of: a support body of rectangular cross-section; blocks secured to the sides of said body, said blocks having edge walls, the adjacent edge walls forming work receiving slots at each corner of said body; wall means forming a recess in the bottom of each work receiving slot; and securing means for removably securing the work in said work receiving slots.

2,354,971
TROUSER LINER
Harry Brown Wadlington, Kansas City, Mo.
Application August 5, 1942, Serial No. 453,610
1 Claim. (Cl. 2—224)

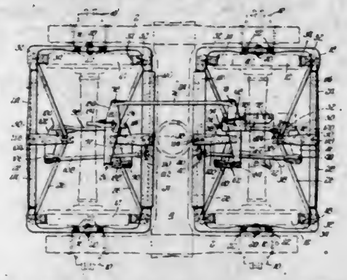
A liner for men's trousers having its upper portion adapted to be attached to the interior

of the trousers above the crotch and comprising elongated front and back panels, the front panel being bifurcated and each panel having a central V-shaped notch at the lower end and pointing upwardly therefrom, the two panels being joined to each other along the edges of such V-notches, said panels being narrower at the top than at the bottom to form four outwardly projecting wing portions, the two wing portions on the back



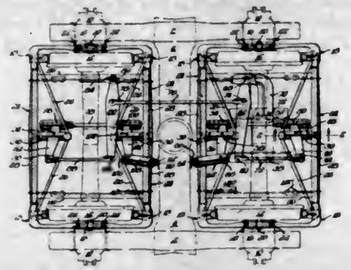
panel being adapted to extend outwardly along the rear side of the wearer's legs and those on the front panel being adapted to extend outwardly along the front side of the wearer's legs, the outer boundary of the wing portions of each panel forming free edges avoiding connection between the front and rear panels at the sides of the garment, thereby enabling each wing portion to be wrapped about the wearer's leg independently of any other wing portion.

2,354,972
CLASP BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporaton of New Jersey
Application November 21, 1941, Serial No. 419,951
16 Claims. (Cl. 188—56)



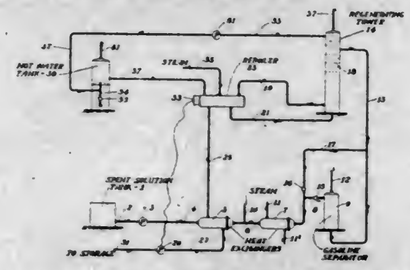
1. In a brake arrangement for a railway car truck, a car body supported thereon, supporting wheel and axle assemblies, journal boxes associated with each assembly, brake frames mounted on the journal boxes of respective assemblies, and brake rigging comprising hangers hung from said brake frames and supporting brake beams at opposite sides of each assembly, live and dead truck levers associated with the beams at respective sides of each assembly, said dead levers being fulcrumed from said brake frames, pull rods connecting the live and dead levers associated with each assembly, operating levers associated with the respective assemblies and connected to the live truck levers thereof, a pull rod connecting said operating levers, one of said operating levers being fulcrumed intermediate its ends from said car body, and means for actuating the other of said operating levers.

2,354,973
CLASP BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 21, 1941, Serial No. 419,953
17 Claims. (Cl. 188—56)



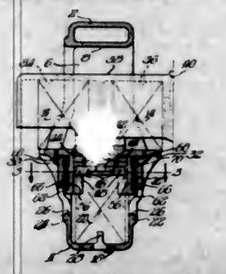
1. In a brake arrangement for a railway car truck, a truck frame, a car body supported thereon, supporting wheel and axle assemblies, journal boxes associated with each assembly, brake frames mounted on the journal boxes of the respective assemblies, and brake rigging comprising brake beams hung from said brake frames at opposite sides of each assembly, live truck levers associated with the beams outwardly of the wheels, dead truck levers associated with the beams intermediate the wheels, a connection between the live and dead truck levers associated with each assembly, a dead operating lever fulcrumed from said car body and associated with one of said live truck levers, a live operating lever associated with the other of said live truck levers, a connection between said operating levers, means for actuating said live operating lever, said dead truck levers being fulcrumed intermediate the wheels from opposite sides of a transverse member of said truck frame, and safety means hung from said brake frames intermediate the wheels and underlying respective ends of each brake beam.

2,354,974
REGENERATION OF SPENT TREATING SOLUTIONS
Audley E. Harnsberger, Winnetka, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application April 17, 1941, Serial No. 389,003
14 Claims. (Cl. 23—184)



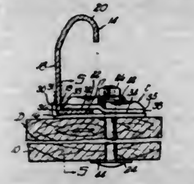
1. In the process of regenerating by steam stripping spent aqueous treating reagent regeneratable by steam stripping, the steps comprising stripping the spent reagent of said undesirable vaporizable components in a stripping zone to produce a stripped solution of reduced content of said undesirable vaporizable components and overhead vapors, heating the stripped solution by indirect heat exchange with steam under conditions to vaporize a portion of the stripped solution to supply steam for the stripping operation and to condense at least a portion of said steam and employing condensate from said heat exchange step as reflux for contacting overhead vapors in the stripping zone.

2,354,975
CAR TRUCK
Charles L. Heater, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 14, 1941, Serial No. 419,104
18 Claims. (Cl. 105—197)



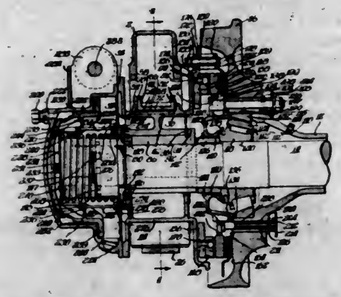
9. In a railway car truck, a side frame having a bolster opening, a tension member beneath said opening having a box-section with inboard and outboard walls and top and bottom chords defining upper and lower spring seats, springs on said seats, a bolster projecting into said opening and directly supported on said upper springs and having downwardly projecting legs cooperating with friction means associated with each of said lower springs, each of said friction means comprising friction shoes seated on the adjacent spring and in wedge engagement with the adjacent bolster leg, friction panels movably mounted on the respective tension member walls in engagement with said shoes, and resilient means associated with said panels and operable to resist transverse movements of said bolster.

2,354,976
GARAGE DOOR CLAMP
David Malcolm Robinson, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application December 2, 1940, Serial No. 368,163
1 Claim. (Cl. 20—38)



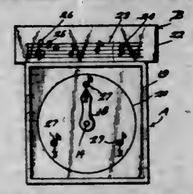
A clamp for securing a door brace and comprising a sheet metal base member having a flat base plate and an upwardly extending flange at one end thereof, said base plate having a bolt hole intermediate its ends, a clamp having a bolt opening intermediate its ends and adapted to register with said bolt hole, said clamp being slightly lesser in length than said base plate, the rear end of said clamp having downwardly extending locking points engaging said base plate adjacent the rear edge of the latter, the forward end of said clamp being engaged in the corner of the brace positioned in the angle between said base plate and flange and having downwardly extending locking points engageable with the brace, and a bolt passing through said hole and opening for clamping said base plate and clamp together and the brace therebetween.

2,354,977
DISK BRAKE
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 31, 1941, Serial No. 425,077
21 Claims. (Cl. 188—153)



1. In a railway car truck, a frame member, spaced wheel and axle assemblies each comprising an outer rotating axle, wheels fitted thereon, and an inner nonrotating axle having journal ends, journal boxes associated with said ends, each of said boxes comprising inboard and outboard annular flanges having a plurality of aligned openings therethrough, equalizers mounted on the boxes at respective sides of the truck and affording a resilient support for said frame member, and braking means comprising a cylinder secured to the outboard annular flange on each journal box and having a piston therein, a release spring reacting against said piston and a portion of said box, and a plurality of interleaved stators and rotors associated with each wheel, said stators being afforded an operative connection to said piston, said connection comprising a plurality of pins extending through respective openings and secured at opposite ends thereof to said piston and to one of said stators, a connection between said stator and the other of said stators, and stop means on said box limiting outboard movement of said other stator upon release thereof.

2,354,978
MEANS FOR TEACHING TIME
Mary Gertrude McGowan, Fall River, Mass.
Application July 1, 1943, Serial No. 493,095
2 Claims. (Cl. 84—484)



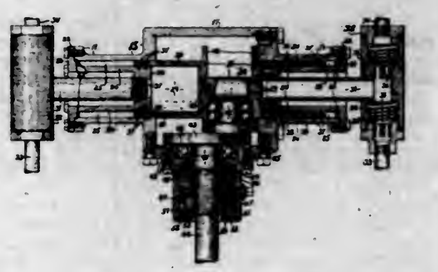
1. A chart of the character described comprising a rectangular panel of dimensions adapting

it to be fitted into a frame through an entrance at the upper end of the frame, the front face of said panel being inscribed with a circle simulating a clock dial and symbols within marginal limits of the dial, there being a header across the upper end of said panel for display above the frame, and said header being provided with symbols thereon.

2,354,979
ANTIOFFSET COMPOSITION
Ernest G. Almy, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 15, 1942, Serial No. 439,107
15 Claims. (Cl. 106—2)

1. An anti-offset composition which comprises an aqueous solution of a combination of a soluble organic compound selected from the group consisting of glycerol, erythritol, pentitols, pentoses, hexitols, and hexoses; a boric acid-producing material; and an alkali, said composition forming resinous material on drying.

2,354,980
RECIPROCATING PUMP
Damiano Arras, Chester, Conn.
Application February 1, 1944, Serial No. 520,599
5 Claims. (Cl. 103—4)



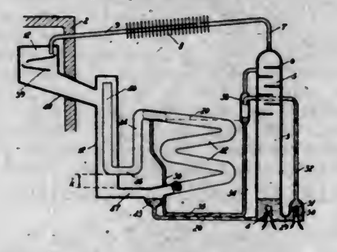
1. A reciprocating pump, including in combination: a first pump-unit and a complemental second pump-unit one of which is movable toward and away from the other to effect the pumping of fluid; the said first pump-unit being formed with an inner piston and with a ring-like outer piston-chamber surrounding the said inner piston; the said second pump-unit being formed with a ring-like outer piston and with an inner piston-chamber located within the said ring-like outer piston; the inner piston of the said first pump-unit fitting into the inner piston-chamber within the outer piston of the said second pump-unit and the ring-like outer piston of the said second pump-unit fitting into the ring-like outer piston-chamber of the said first pump-unit; means providing for the inflow and outflow of fluid with respect to the said inner piston-chamber; a fluid-receptacle; means connecting the said fluid-receptacle with the aforesaid ring-like outer piston-chamber and constructed and arranged to provide for the transfer in both directions of lubricant between the said outer piston-chamber and the said fluid-receptacle as one of the said pump-units reciprocates with respect to the other; and means for reciprocating one of the said pump-units with respect to the other.

2,354,981
INK DISTRIBUTION FOR ROTARY PRINTING PRESSES
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application June 11, 1942, Serial No. 446,600
16 Claims. (Cl. 101—350)



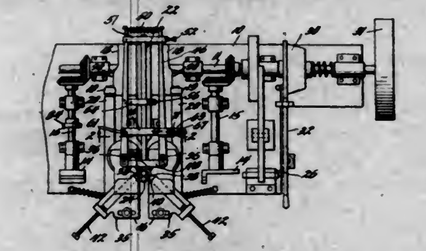
1. In an ink distribution for rotary printing presses, two ink cylinders, two ductor rollers, means for independently oscillating them between the said ink cylinders, and manually operated means for shifting the timing of one ductor roller with respect to the other ductor roller, to cause said first named ductor roller to contact with a bare surface or a partly bare and partly inked surface or a wholly inked surface of one of said ink cylinders.

2,354,982
ABSORPTION MACHINE CONTAINING AN INERT AUXILIARY GAS
Alexander Bikkers, The Hague, Netherlands; vested in the Alien Property Custodian
Application February 6, 1941, Serial No. 377,745
In the Netherlands February 21, 1940
10 Claims. (Cl. 62—119.5)



1. A continuous absorption machine comprising an absorber and an evaporator containing an inert auxiliary gas and a refrigerant which in the gaseous state is of a relatively higher density than the inert auxiliary gas, said evaporator being situated at a higher level than the said absorber, and full open communication means between the interior spaces of the said absorber and the said evaporator, said communication means being connected to the evaporator adjacent the bottom thereof, the absorber being located laterally of the lower part of the said communication means and being in open connection with the same through two passages at different levels, the upper one of said passages being formed by a U-shaped conduit having one leg connected to the absorber and the other leg connected to the said communication means, said U-shaped conduit being dimensioned and arranged so as to prevent substantial reverse flow therethrough of the inert auxiliary gas from the absorber to the evaporator due to differences in density as between the gases in different parts of the space enclosed by said evaporator, absorber and communication means.

2,354,983
YIELDING PRESSURE WELDING
Gustave K. Blum and Arthur E. Peters, York, Pa., assignors to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application February 11, 1938, Serial No. 190,082, now Patent No. 2,301,173, dated November 10, 1942. Divided and this application January 10, 1942, Serial No. 426,356
4 Claims. (Cl. 219—10)



4. The method of welding two bar ends of a given cross section which comprises holding said ends together in abutting relation with a force including a yielding follow-up pressure, passing current through the abutting ends, resisting the follow-up movement permitted by the yielding of the ends as they fuse, reducing the resistance to the follow-up pressure in proportion to the travel of heat backward from the joint.

2,354,984
JEWELRY
Michael Chernow, New York, N. Y.
Application March 12, 1941, Serial No. 382,889
3 Claims. (Cl. 40—142)



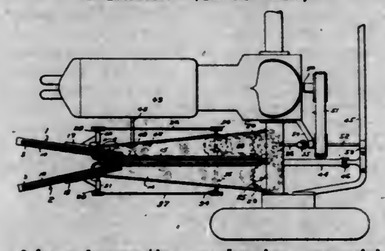
1. Initial jewelry comprising a face plate having a square aperture therethrough, a metal initial having unitary mounting prongs protruding from the rear face thereof, of width equal to the length of said square aperture, and with the outer faces thereof spaced by the width of said aperture, the protruding extremities of said prongs being flared outward along their longitudinal mid-sections for anchoring engagement with the plate.

2,354,985
DRILL
Charles H. Davis, Alexandria, Va.
Application May 22, 1943, Serial No. 488,078
1 Claim. (Cl. 77—67)

A drill comprising a cylindrical rod having a cutting end portion reduced on opposite sides to define parallel elongated flat longitudinal surfaces which extend to the work entering end of the drill and have corresponding beveled longitudinal cutting edges, said work entering end of the drill being beveled to V-form to define end cutting edges along corresponding sides of the beveled end portions, said flat longitudinal surfaces being provided at the beveled end of the drill with rabbets extending at an inclination from the longitudinal cutting edges part way across the flat longitudinal surfaces to the beveled end portions, said rabbets gradually increasing in depth toward the inclined walls thereof, and arranged to accommodate the cuttings from the end cutting edges.



2,354,986
HARVESTING MECHANISM
Ralph Dixon, New Rochelle, N. Y.
Application May 24, 1943, Serial No. 488,231
5 Claims. (Cl. 56—157)

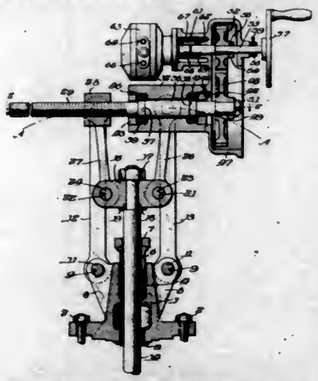


1. A bean harvesting mechanism comprising an elongated support adapted to be propelled endwise along a row of bean vines, vine lifting and straightening means at the leading end of said support comprising a pair of opposed elongated beam-like skids inclining upwardly and rearwardly in relatively converging relation from the ground and having front ends slidable over the ground, a pair of endless vine pick-up link chains embodied in said skids, respectively, and having top runs operative rearwardly along and above said skids, means to mount said skids on said leading end of the support for endwise adjustment when sliding over uneven ground, a rotary cutter on the underside of said support adjacent said leading end thereof operative for cutting off the vines straightened up by said units, means on said support operative to convey the cut vines rearwardly along said support, and driving mechanism for said pair of chains operative under operation of the last mentioned means.

2,354,987
TOGGLE OPERATED VALVE
Donald G. Fawkes, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 19, 1942, Serial No. 427,244
5 Claims. (Cl. 74—520)

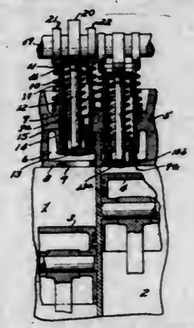
1. A toggle-operated device comprising a housing having a stem reciprocably guided therein, a transversely extending rotatable shaft threaded

at one end and adapted to be connected to a means of rotation, said shaft being rotatably mounted within a pair of spaced-apart apertured blocks, one of said blocks being internally threaded to cooperate with said threaded portion of said shaft, the other of said blocks being interlockably engaged with the opposite end portion of said shaft so as to permit relative rota-



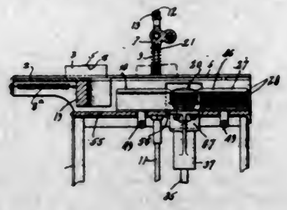
tion but to restrain relative axial movement between said shaft and said other block, a cross-member secured to said stem, means provided on the stem for adjusting the position of the cross-member thereon, a pair of arms journaled on said blocks and in pivotal engagement with the cross-member, a pair of supporting arms journaled on said blocks and pivotally mounted on said housing.

2,354,988
VALVE FOR INTERNAL-COMBUSTION ENGINES
Frank Fix, Detroit, Mich.
Application April 9, 1943, Serial No. 482,466
9 Claims. (Cl. 123—78)



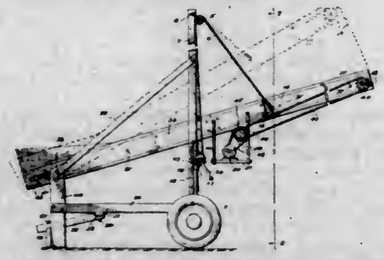
1. A valve mechanism for use with internal combustion engines having a reciprocating piston and a head providing an inlet and exhaust manifold each having a port opening to the engine cylinder, a valve mechanism for use with each port, each valve mechanism comprising a sleeve reciprocable in the engine head providing the intake and exhaust passageways, a ring like member supported in the casting at the head of the engine of the same diameter and in alignment with the reciprocable sleeve and the respective intake or exhaust passageway having an outer wall spaced from the port, a sleeve member aligned with the said port and movable to engage the ring like member and to close the passageway to the port or movable in the opposite direction to opening the passageway to the port, a valve means slidable in the cylindrical tubular member in timed relation with the movement of the sleeve to position within the ring member and sealing the interstice between the ring member and the sleeve when in contact and movable outwardly of the sleeve with the outer face of the valve aligned with the lower end of the sleeve and thereafter movable with the sleeve to open the port to the passageway.

2,354,989
APPARATUS FOR WRAPPING
Carlo J. Fusco, San Francisco, Calif., assignor of forty-five per cent to Berne J. Ellis, San Francisco, and ten per cent to Lester H. Eastin, Fresno, Calif.
Application January 8, 1941, Serial No. 373,625
1 Claim. (Cl. 93—2)



In a device for heat-sealing thermoplastic wrapping material, the combination of a movable support upon which a wrapped package is supported, means above the movable support for heat-sealing the overlapped edges of wrapped material on said package, a lower supporting means positioned below the movable support, spaced guide means carried by the lower supporting means for confining the folded ends of the wrapping material at the ends of the package, a pair of heat-sealing anvils operatively associated with the guides and spaced apart a distance substantially equal to the length of the package, and pusher means carried by the movable support for moving the package between the guides and heating anvils to heat-seal the wrapped ends of the package.

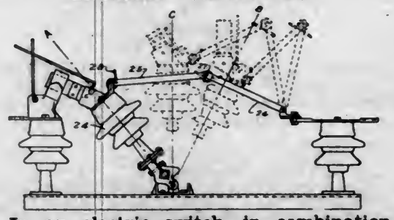
2,354,990
CONVEYING AND ELEVATING MACHINE
Horace M. Gilbert, William H. Tunningley, Howard S. Tunningley, and James W. Tunningley, Gaines, Mich.
Application May 13, 1943, Serial No. 486,874
4 Claims. (Cl. 198—233)



1. In a machine of the class described, the combination of a pair of vertical legs, reach bars fastened at their outer ends to said legs, a cross

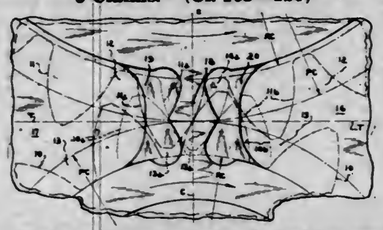
bar secured to the bottom edges of said reach bars, an anchor bar secured to the outer edges of said legs, said anchor bar being positioned at the lower end of said legs, an inclined draw bar notched at its upper end, said cross bar seated in the notched upper end of said draw bar, said anchor bar provided with a saddle notch, said draw bar seated down in said saddle notch, and a coupling device on the outer lower end of said draw bar.

2,354,991
ELECTRIC SWITCH
William A. Gussow, Birmingham, and Thomas E. Curtis, Homewood, Ala., assignors to Southern States Equipment Corporation, a corporation of Alabama
Application February 6, 1943, Serial No. 474,916
13 Claims. (Cl. 200—48)



1. In an electric switch, in combination, a switch unit including a pivotally mounted operating mechanism therefor, a similar adjacent switch unit, an interconnecting bar connecting the said switch units into a multiple-pole switch; each of the said operating mechanisms comprising a stationary base, a pivot supported thereby, a hinge member supported by the said pivot and rockable about the center of said pivot to operate the said switch unit, a clamp member pivoted directly upon the said pivot and secured elsewhere to the said hinge member to clamp the said interconnecting bar to the said hinge member.

2,354,992
GEAR PUMP
Manious Gottlieb, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 11, 1941, Serial No. 418,623
3 Claims. (Cl. 103—126)

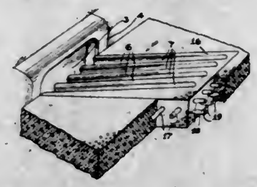


1. In a gear pump, a pair of meshing gears, a housing cooperating with the gears and providing suction and discharge chambers, and lands provided on the interior of the housing and cooperating with the ends of the gears to separate the suction and discharge chambers, the land at at least one end of the gears being disposed symmetrically with respect to the line of centers of the gears and conforming approximately to the combined profiles of the portions of the tooth spaces of the respective gears extending from the pitch circles to the root circles thereof.

2,354,993
HANDLING PETROLEUM EMULSIONS
John L. Harlan, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 14, 1942, Serial No. 458,329
13 Claims. (Cl. 252—333)

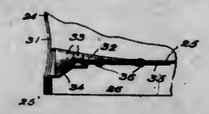
1. A method for resolving a water-in-oil emulsion which comprises treating it with a composition containing a Diels-Alder condensation product, derived from a terpene and an open-chain, polycarboxylic unsaturated acid body reactive in the Diels-Alder synthesis, and a bodied fatty oil re-esterified with a polyalkylene glycol.

2,354,994
DRAINAGE INTAKE
Henry Holland, deceased, late of Cleveland, Ohio, by George W. Holland, administrator, Lakewood, Ohio
Application September 22, 1941, Serial No. 411,853
6 Claims. (Cl. 94—33)



1. A drainage intake member adapted to be embodied as a traffic supporting structure in a roadway surface adjacent to and extending in an uphill direction above a drainage aperture in the curb and providing a plurality of ribs and channels which discharge into the drainage aperture and above the same and are directed outwardly from the curb and inclined across the drainage flow in an uphill direction, said channels flared upwardly and being of progressively decreasing width and depth in a direction away from said curb and merging with the roadway surface, and each channel having a substantially perpendicular wall surface against which the drainage flow is directed.

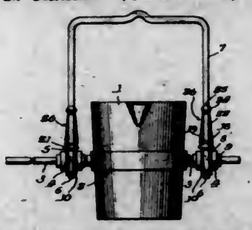
2,354,995
METHOD OF REMODELING MILK CANS
John A. Hopwood, Great Neck, N. Y., assignor to Monitor Process Corporation, Jersey City, N. J., a corporation of New Jersey
Original application July 15, 1940, Serial No. 345,634. Divided and this application May 1, 1942, Serial No. 441,310
1 Claim. (Cl. 113—120)



The method of preparing a milk can, having a substantially cylindrical side wall and a dished bottom positioned above the lower edge of said side wall, for the delivery of milk through said side wall adjacent said bottom, which comprises the following steps: slitting the can bottom arcuately adjacent to and substantially parallel with the side wall, forming in the can bottom a radial slit extending inwardly from a point medially of the length of the arcuate slit, cutting a milk delivery opening through the side wall to the arcuate

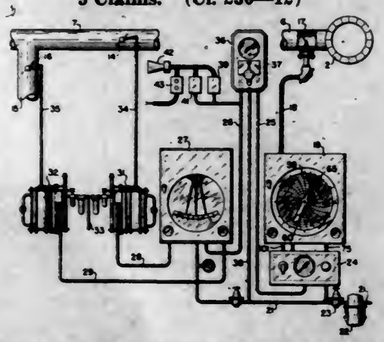
slit in the bottom with at least a portion of said opening below said arcuate slit, forcing those portions of the bottom marginally of the radial slit downwardly into substantially the shape of the lower portion of the contour of the delivery opening of the side wall to provide a discharge channel, thereafter permanently attaching to the can bottom a reinforcing plate which closes the arcuate slit and bridges the thus deformed radial slit and overlies and closely conforms to the margins thereof to reinforce the same and preclude leakage through the aforesaid slits, and thereafter securing a discharge tube mounting in the delivery opening in register with the discharge channel.

2,354,996
LADLE BAIL BEARING AND PROTECTOR
Andrew Jadach, Cicero, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application March 26, 1943, Serial No. 480,702
12 Claims. (Cl. 308—74)



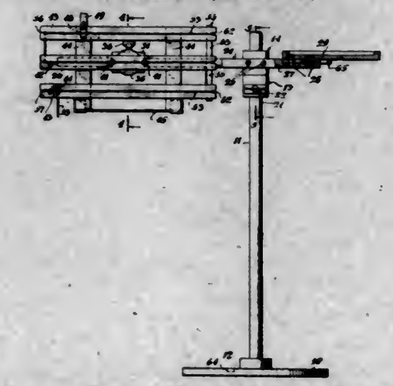
1. In a ladle bail bearing or the like, the combination including a bail, a carrier for a ladle, the said bail having hooked portions for engagement by the carrier, the said carrier having shank means for support by the bail, divided means assembled with the hooked portions of the bail comprising a shank collar and a shank bushing and substantially surrounding a portion of the shank means, the said shank collar and bushing being assembled in matched relation whereby the shank means of the said carrier is journaled within an aperture formed by the assembly of the said shank collar and shank bushing upon the said bail hooked portions.

2,354,997
CONTROL SYSTEM
Anker E. Krogh, Glenside, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 25, 1943, Serial No. 492,243
5 Claims. (Cl. 236—12)



5. In a hot blast control system having means to supply a given amount of air to a blast furnace including a plurality of paths through which the air passes, one of said paths having in it a means to heat the air passing therethrough, the combination of control devices in said paths operable to vary the proportion of the total air passing through each path, mechanism to measure the temperature of the air and set up an air pressure proportional thereto, pressure responsive means to operate said control devices, an air control instrument provided with a plurality of pressure regulating units each operative to supply an air pressure through a given range to said pressure responsive means, means to apply the air pressure produced by said mechanism to said air control instrument to operate the same, and means to adjust individually each of said units so that they will vary the air pressure produced thereby for given values of air pressure produced by said mechanism.

2,354,998
READING STAND
Chain Ki Ku, Kowloon, Hong Kong, China; vested in the Alien Property Custodian
Application December 1, 1941, Serial No. 421,166
3 Claims. (Cl. 45—60)

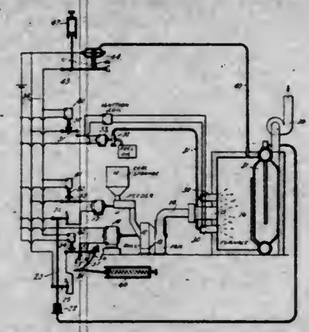


2. A reading stand comprising a base and a vertical standard supported by said base, a sleeve rotatable and slidable on said standard and having a circumferentially extending groove at its lower end, a second sleeve below the first sleeve adjustable up and down on the standard and having a plurality of screws projecting into the groove in the first sleeve to connect the two sleeves for substantially unitary movement up and down on said standard while permitting rotation of the first sleeve relative to the second sleeve, means for securing the second sleeve in adjusted position on the standard, a horizontal bar secured intermediate its length to the first sleeve, a book rack on one end of said bar and a book stand on the other end of said bar.

2,354,999
COMBUSTION CONTROL
Tallman Ladd, Garden City, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y.
Application February 26, 1941, Serial No. 380,591
3 Claims. (Cl. 110—22)

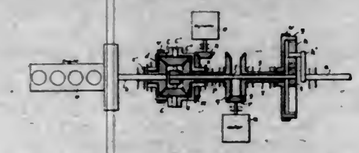
1. In a furnace having main fuel burners, auxiliary igniting burners adjacent said main burners, means for supplying a mixture of fuel and air to said main burners; means for creating a draft in said furnace and control means for starting and stopping said fuel supply means; means

responsive to decrease to a predetermined value of the pressure existing in said furnace for operating said control means for said main burners



to stop said fuel supply means and to place said auxiliary burners in operation; and means acting on said control means for said supply means to retard the stopping thereof.

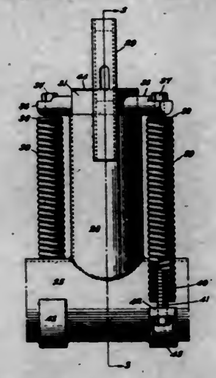
2,355,000
POWER AND MOTION TRANSMISSION SYSTEM
Heinrich Fritz Liebrecht, London, England
Application February 10, 1941, Serial No. 378,241
In Great Britain February 10, 1940
4 Claims. (Cl. 74—282)



1. An infinitely variable transmission gear comprising a first epicyclic gear consisting of a centre wheel connected with the prime mover, an outside wheel, planet wheels meshing both with said centre wheel and said outside wheel, a planet wheel carrier, a dynamo connected with said planet wheel carrier, a second epicyclic gear consisting of a centre wheel connected with the planet wheel carrier of the first epicyclic gear, an outside wheel connected with the outside wheel of the first epicyclic gear through an inversion gear, planet wheels meshing both with said centre wheel and said outside wheel, a planet wheel carrier connected with the outgoing motion, an electromotor connected with the outside wheel of the second epicyclic gear, and electric connection between said dynamo and said electromotor.

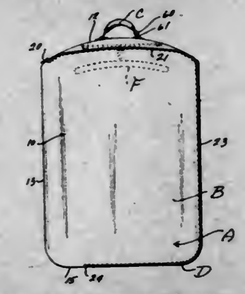
2,355,001
PULSATION DAMPENER FOR CONCRETE-CONVEYING PIPE-LINE SYSTEMS
Charles I. Longenecker, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 21, 1942, Serial No. 443,998
3 Claims. (Cl. 138—31)

1. In a device for dampening pressure fluctuations and pulsations in the flow of a stream of plastic concrete mixture moving under intermittent pressure impulses through a pipe line, a pipe section having a circular contour and cross sectional area substantially the same as the pipe line and introducible therein intermediate the source of pressure and the discharge point of the line, said pipe section being provided with an aperture in its circumferential wall; a chamber extending from the pipe section and communicating therewith through said aperture; a plunger in the chamber having a face for contact with the mixture stream whereby the plunger may be moved outwardly in the chamber by pressure on the stream, said plunger face being curved to con-



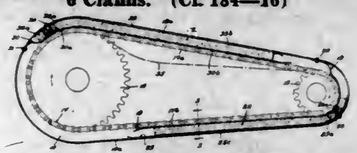
form to the inner curvature of the pipe section and being normally positioned at the aperture to preserve the contour of the pipe section unbroken, thereby avoiding pockets in which portions of the mixture might stagnate, harden, build up and induce stowing thereof; means for insuring the alinement of said curved plunger face and pipe section; and means for returning the plunger inwardly upon reduction of pressure upon the mixture stream.

2,355,002
WARDROBE BAG
Emory J. Malone, Atlanta, Ga.
Application June 14, 1941, Serial No. 398,152
1 Claim. (Cl. 206—7)



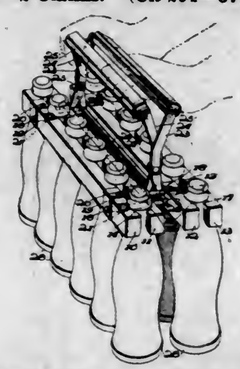
In a wardrobe bag the combination of a flexible sack-like bag body construction comprising front and rear walls, a flexible top wall, and slide fastener means for opening the front wall of the body to expose the contents of the bag, and a garment hanger supported by the top wall comprising end bar portions in aligning relation secured at their ends to the under surface of the top wall centrally of the top wall between the front and rear walls, and a transverse bar portion carried as a part of the end bar portions above mentioned intermediate the ends thereof and transverse thereto, and means depending from the transverse bar portion for supporting a plurality of garment hangers in parallelism with the front and rear walls of the bag.

2,355,003
LUBRICATING MECHANISM FOR SPROCKET CHAINS
John F. McCann, Springfield, Mass., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 12, 1943, Serial No. 478,934
6 Claims. (Cl. 184—16)



1. In lubricating mechanism for sprocket chains, comprising a lubricant-absorbent strip and a flexible presser strip disposed for pressural traverse by a run of the chain, whereby lubricant may be pressed from the absorbent strip and transferred to the chain: the combination of a resilient backing member for said absorbent strip responsive to variations in slack conditions in the chain run to maintain said presser strip in continuous engagement with said run under all degrees of slackness, whereby interruptions in said lubricant transfer due to such variations may be prevented.

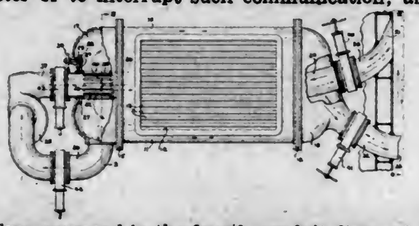
2,355,004
BOTTLE HANDLING DEVICE
William Wrenshall McCulloch, Baltimore, Md.
Application June 13, 1942, Serial No. 446,880
2 Claims. (Cl. 294—87)



1. In a device of the character described, a plurality of bars, oppositely disposed indentations therein, adjacent pairs of said bars being slideably mounted on transverse rods, spring means normally holding said bars in spaced relationship and expansible handle means for forcing said bars outwardly along said rods whereby to engage the necks of bottles adjacent said indentations.

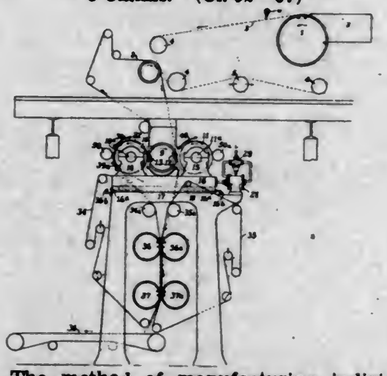
2,355,005
MARINE CONDENSER INSTALLATION
John W. McNulty, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1942, Serial No. 426,595
4 Claims. (Cl. 257—26)

1. In a surface condenser for a marine propulsion plant, a shell; a nest of tubes within the shell; first and second waterboxes at the ends of the shell and with which the ends of the tubes communicate; a first conduit traversing at least the second waterbox; a second or inlet conduit provided with an inlet scoop; a third or discharge conduit; one of said second and third conduits being connected to one end of the first conduit and the other thereof being connected to the first waterbox; a fourth conduit connecting the other end of the first conduit to the second waterbox; a pump disposed in the fourth conduit; a valve within the second waterbox and operative to place the first conduit in communication with the latter or to interrupt such communication; and



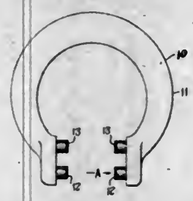
valves arranged in the fourth conduit disposed at the suction and discharge sides of the pump, and operative, when closed and with said first valve operated to place said first conduit in communication with the second waterbox, to isolate the pump from the first conduit and the second waterbox and operative, when open and with the first valve operated to interrupt communication between the first conduit and the second waterbox, to place the first conduit in communication with the second waterbox by means of the fourth conduit and the pump.

2,355,006
METHOD AND APPARATUS FOR MAKING MULTIPLY PAPER SHEETS
William Hulse Millspaugh, Catawba Island, Ohio
Application June 8, 1939, Serial No. 278,151
In Great Britain June 11, 1938
8 Claims. (Cl. 92—67)



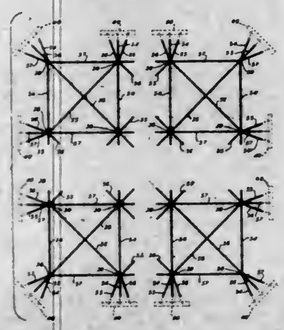
8. The method of manufacturing individual sheets of multi-ply paper comprising forming a web of paper, supplying the web continuously to a roll and gathering the web from that roll into a multi-ply tube at one point along the roll circumference while concomitantly applying outward suction to the tube at the point of gathering and pressing the tube at the point of gathering, alternately gathering the web into another multi-ply tube and applying suction and pressure to said other tube at another point along the roll circumference, severing the respective tubes, and unwinding each of said severed tubes while the gathering operation for the forming of the other tube is in progress.

2,355,007
MEASURING GAUGE AND METHOD OF MAKING THE SAME
Abraham J. Mitchell, Stratford, Conn., assignor to Mitchell-Bradford Chemical Company, Bridgeport, Conn., a firm
Application June 19, 1943, Serial No. 491,534
2 Claims. (Cl. 33—168)



1. A measuring-gauge having one or more mainly-metallic-iron hardened-steel gauge-surface parts of proper gauging size and finish, and each of which said gauge-surface parts has one or more black oxidized gauge-surfaces, each black-oxidized gauge-surface being characterized by low-friction resistance and high-wear resistance in gauging operations and of a substantially-uniform depth of a fraction of one-thousandth of an inch throughout the black-oxidized gauge-surface, whereby when one or more portions of the black-oxidized gauge-surface is worn off and exposes the underlying mainly-metallic-iron surface, the marked difference in optical appearance between the thus-exposed mainly-metallic-iron surface-portions and the adjacent black-oxidized surface-portions provides a visual tell-tale indication of the inaccuracy-condition of the gauge-surface.

2,355,008
CAMOUFLAGE STRUCTURE
Robert P. Moran, West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 8, 1942, Serial No. 468,292
11 Claims. (Cl. 135—5)

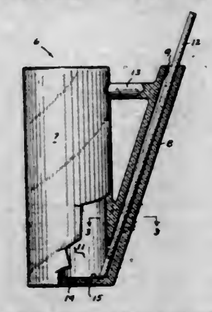


1. A camouflage structure for a given area comprising a plurality of poles erected in rows at spaced positions across the area, cable anchors disposed adjacent and beyond the ends of the rows of poles, cables strung in different directions over the tops of the poles and having their ends secured to their respective anchors, and a material for covering and camouflaging said area secured to the cables.

2,355,009
LUBRICANT
Arnold J. Morway, Clark Township, Union County, and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 4, 1941, Serial No. 413,650
8 Claims. (Cl. 252—40)

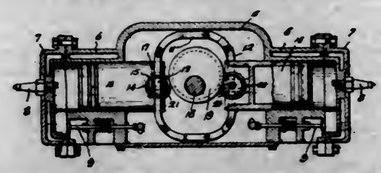
1. An improved lubricating grease composition comprising a low pour point lubricating mineral oil distillate, a mixture of lithium and barium soaps of saturated fatty acids in which the amount of lithium soap exceeds the amount of barium soap.

2,355,010
BEVERAGE CUP
Valentino Pera, Pinole, Calif., assignor of one-half to Orsola Lucia Pera, Pinole, Calif.
Application May 6, 1941, Serial No. 392,061
3 Claims. (Cl. 65—13)



3. In a mug or the like, a body providing a liquid receptacle, and a lateral extension of the body providing a passage extending upwardly from the bottom of the mug receptacle to at least the plane of the receptacle top, a suction tube replaceably disposed in said passage with its lower end supportedly engaging the receptacle bottom while its upper end is exposed beyond the top of the passage for the suction removal of the receptacle contents through the tube, and means facilitating the flow of liquid from the receptacle bottom to the intake end of the installed tube, said means comprising the formation of the receptacle bottom with a depressed portion disposed to underlie less than all of the lower end of the tube and to extend laterally from beneath the tube.

2,355,011
INTERNAL-COMBUSTION ENGINE
James Boyd Putnam, El Campo, Tex.
Application July 5, 1943, Serial No. 493,591
2 Claims. (Cl. 74—50)



1. In an internal combustion engine, a housing having a pair of opposed cylinders projecting from opposite sides thereof, pistons reciprocable in said cylinders and having bosses projecting from opposite sides of the inner ends thereof, a spider rigidly connecting the adjacent ends of said

pistons and embodying rigidly connected yokes having spaced side members extending transversely of the pistons at opposite sides of the latter and directly inwardly of said bosses, said side members merging at their upper and lower ends, and bridge pieces connecting adjacent merged ends of the yokes, said side members having intermediate enlargements, bolts passing through said bosses and said enlargements to rigidly connect the pistons to the spider, a shaft extending through the housing centrally between the cylinders, a circular cam eccentrically secured on said shaft, and rotatable within the spider, and roller elements mounted in the inner ends of the pistons and engaging the periphery of said cam.

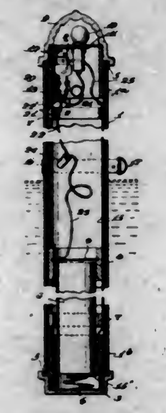
2,355,012
MOUTH SPRAY SYRINGE
Guy C. Reifsnyder, Allentown, Pa.
Application March 25, 1942, Serial No. 436,132
1 Claim. (Cl. 128—231)



In a syringe for dental hygiene, a compressible bulb for receiving and forcibly discharging cleansing fluid therefrom, a fluid delivery nozzle for said bulb having a closed mouth-engageable end and an internal fluid passageway therein extending rearwardly from said closed end and communicating at its other end with the interior chamber of said bulb, lateral openings at the end of said nozzle communicating with said fluid passageway inside its closed end, a spaced tongue-controllable air opening to said fluid passageway adjacent said lateral openings, and an internal air-flow passageway in said nozzle separated from said fluid passageway and having an outer-air opening thereto at one end and a mouth-encloseable air opening thereto at its other end in close air-feeding position relative to said air opening to said fluid passageway.

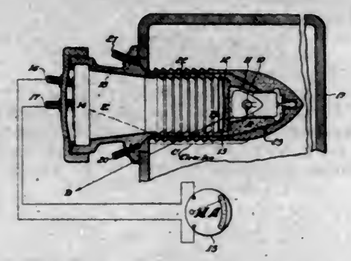
2,355,013
MARINE SAFETY LIGHT
Barnett B. Rochestie, Trenton, N. J.
Application August 23, 1943, Serial No. 499,675
3 Claims. (Cl. 9—8.3)

1. A marine safety light comprising an elongated cylindrical casing, a water-tight lens closure at one end of said casing, a dry-cell battery and sealed closure therefor at the other end of said casing, a lamp and switch assembly mounted within said casing at said first end comprising a supporting plate for said lamp and a switch bracket mounted on said plate, and a gravity operated mercury switch mounted on said bracket comprising a chamber formed with a cylindrical portion merging into an annular portion, two terminals extending from the end of said cylindrical portion and connected in circuit with said lamp and battery, a body of mercury in said chamber for bridging said terminals when the cylindrical portion is below said annular portion and adapted to rest in said annular portion when said annular portion is below said cylindrical portion without likelihood of splashing into said cylindrical portion in the last-mentioned position, whereby the lamp is effectively maintained in a deenergized state when the battery end is



uppermost and is adapted to be energized upon a reversal in position of the light when the battery end is lowermost.

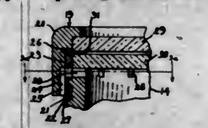
2,355,014
ICE DETECTOR
Carl F. Schorn, Detroit, Mich.
Application March 21, 1942, Serial No. 435,611
1 Claim. (Cl. 177—311)



An ice detecting device comprising a cylindrical transparent chamber, a source of light within said chamber, means for diverting said light so that the light rays normally escape through the walls of said chamber, a photoelectric cell located in said chamber and so located that light rays diverted by ice formed on the outer walls of said transparent chamber are diverted onto said photoelectric cell.

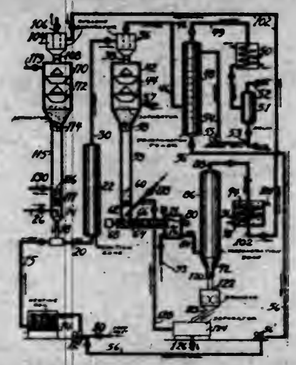
2,355,015
EYE PROTECTION DEVICE
Edward M. Splaine, Southbridge, and William H. Lehmberg, Dudley, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application November 17, 1941, Serial No. 419,420
5 Claims. (Cl. 2—14)

1. In a device of the character described the combination of an eye cup having a lens supporting edge provided with a plurality of spaced slots extending throughout the thickness of the side wall of the eye cup and a threaded portion adjacent said slotted edge, a lens retaining ring member having a continuous uninterrupted threaded portion for interconnection with the threaded portion of the eye cup, said lens retaining ring member, when in assembled relation with the eye cup and in position of use for retaining a lens on the lens supporting edge of the eye cup, having an inner wall portion spaced from the adjacent wall of the eye cup to provide an annular groove forming an uninterrupted passageway circumferentially of the eye cup for circulation of air between the eye cup and the inner wall, said re-



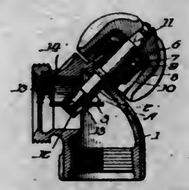
taining ring member also having an annular groove intermediate the inner and outer walls thereof substantially concentric with the first groove and having a plurality of spaced slots in the inner wall portion thereof, communicating with said inner and outer annular grooves, said inner annular groove communicating with said spaced slots in the lens supporting edge of the eye cup and said outer annular groove having communication with air externally of the eye cup and in offset relation with the slots which communicate with the inner and outer annular grooves.

2,355,016
TREATING HYDROCARBON FLUIDS
Gustav A. Stein, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 18, 1940, Serial No. 346,138
1 Claim. (Cl. 196—52)



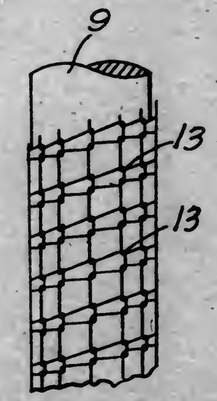
A method of converting hydrocarbons which comprises mixing powdered clay catalyst with hydrocarbon vapors in a reaction zone maintained under conditions to effect the desired extent of conversion, separating vaporous reaction products from the dry catalyst particles which have become fouled, forcing the fouled catalyst particles through a compression screw into an enlarged regeneration zone maintained under superatmospheric pressure, regenerating the fouled catalyst particles before returning them to said reaction zone by mixing the fouled catalyst particles with an oxidizing gas and passing the mixture upwardly through said regeneration zone, the finer catalyst particles passing overhead with the regeneration gases and the larger hard catalyst particles which have balled-up and which are substantially larger than the catalyst particles used in the beginning of the method falling to the bottom of said regeneration zone and removing the separated larger particles from the bottom of said regeneration zone and from the method.

2,355,017
VALVE
Carl R. Stone, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application June 11, 1942, Serial No. 446,648
5 Claims. (Cl. 251—96)



1. In a radiator valve having a casing with a substantially circular passage therethrough, a diagonally extending valve stem having end portions which are square in cross-section, a circular sheet metal disc having a central square aperture punched therefrom, the formed sides of said aperture having an approximate angle of 45 degrees with the face of the said disc, a square portion of said valve stem being held non-rotatably with the sides of said square punched aperture, whereby the circular disc is rotatable by the stem and guided by means of peripheral contact of at least two diametrically opposed points of the said circular disc within the walls of the circular casing passage during the course of revolving from vertical to horizontal planes and vice versa.

2,355,018
COVERED ELECTRICAL CONDUCTOR
Clyde N. Stover, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1941, Serial No. 411,006
4 Claims. (Cl. 174—124)



1. An insulated electrical conductor comprising a core having two knitted coverings with the ribs formed by the knots along the base of the courses extending in one direction on one covering and in the opposite direction on the other covering, said ribs lying between the coverings.

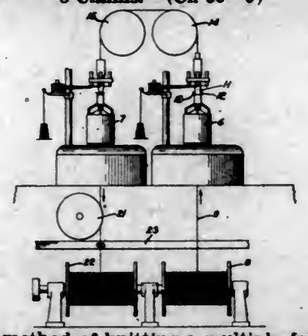
2,355,019

METHOD OF AND APPARATUS FOR MAKING A KNITTED COVERING OR COVERINGS ON A STRAND

Clyde N. Stover, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original application September 16, 1941, Serial No. 411,006. Divided and this application June 20, 1942, Serial No. 447,819

8 Claims. (Cl. 66—9)



1. A method of knitting a multiple fabric covering on an electrical conductor comprising passing said conductor through a knitting head in one direction to produce a first covering with its ridges outermost, and passing the covered conductor through a second knitting head in the opposite direction to apply a second covering with its ridges innermost and between the ridges of said first covering.

2,355,020

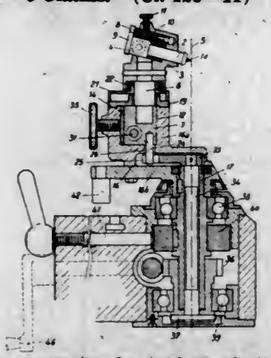
APPARATUS FOR TRUING GRINDING WHEELS

Fernand Turrettini, Geneva, Switzerland, assignor to the firm Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland

Application April 27, 1942, Serial No. 440,706

In Switzerland April 30, 1941

5 Claims. (Cl. 125—11)



1. In an apparatus for truing grinding wheels, a support, a base mounted for oscillating movement on said support, stops for limiting the oscillating movement of said base, a tool holder slidable on said base, at least two truing tools carried by said holder, spaced abutments, means for adjustably displacing said abutments in the same direction and degree with relation to said base, a spring normally confined under tension between said abutments and displaceable therewith, means for applying the tension of said spring to said tool holder to yieldably retain said holder in a position determined by the adjustment of said displacing means whereby said tools may be alternately brought into operative position, and operating means connected with said tool holder.

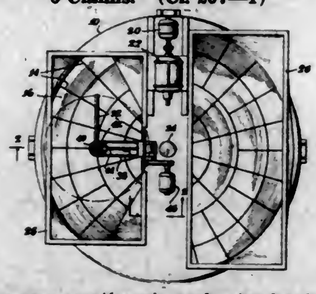
2,355,021

WASHING APPARATUS FOR AIR PREHEATERS

Joseph Waitkus, Wellsville, N. Y., assignor to The Air Preheater Corporation, New York, N. Y.

Application August 8, 1941, Serial No. 405,939

6 Claims. (Cl. 257—1)



1. In a regenerative air preheater having a rotor divided into compartments carrying heat transfer surfaces for absorbing heat from hot gases flowing through a gas duct and imparting it to air flowing through an air duct; a nozzle supplied with a fluid for cleaning said heat transfer surfaces; means for supporting said nozzle for movement with respect to said rotor in a circular path centered approximately in the middle of one of said ducts, said path having a radius approximately one-half the radial depth of the rotor compartments; and means for slowly rotating said nozzle and rotor in the same direction.

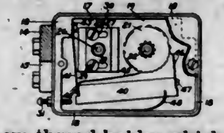
2,355,022

WEFT END HOLDER FOR WEFT REPLENISHING LOOMS

Herbert A. Whitin, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application November 20, 1943, Serial No. 511,048

10 Claims. (Cl. 139—247)



1. In a loom thread holder which vibrates horizontally and vertically during loom operation and has a traveling surface to engage reserve bobbin weft ends, a weight supported by the thread holder and mounted for free movement horizontally and vertically relatively to the thread holder due to horizontal and vertical vibration of the thread holder, and feed means for the traveling surface actuated by both horizontal and vertical movement of the weight relatively to the thread holder.

2,355,023

MEANS FOR MAKING FLAPS AND THE LIKE FOR GARMENTS

Jean Paul Wiren, New Paltz, N. Y.

Application July 18, 1941, Serial No. 402,963

3 Claims. (Cl. 112—2)

1. A sewing machine comprising a bed including a needle plate having its upper surface disposed at a slightly higher elevation than the upper surface of said bed, a presser foot having a vertical side edge, a mounting for said presser foot adapting it to be moved towards and away from said needle plate to engage and release a fabric positioned therebetween, and a template guiding means on said bed having a flat upper surface substantially flush with the upper surface of said needle plate and provided with a vertical, template-guiding edge in vertical alignment with the side edge of said presser foot; said template guiding edge and the side edge of said presser



foot presenting exposed surfaces against which a fabric-holding template comprising a lower plate and an upper plate having vertically-aligned guiding edges between which the fabric is held may be manually positioned and maintained on said bed with the edge of said lower plate in contact with the vertical edge of said template guiding means and the edge of said upper plate in contact with the side edge of said presser foot while said fabric is being stitched.

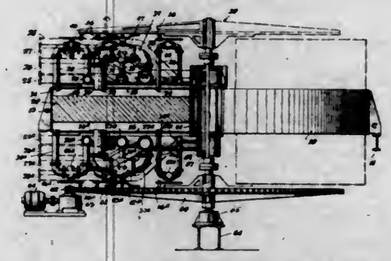
2,355,024

REACTOR

William D. Yerrick, Sven Holm, and Arthur Jensen, Wellsville, N. Y., assignors to The Air Preheater Corporation, New York, N. Y.

Application January 8, 1942, Serial No. 425,988

10 Claims. (Cl. 23—288)



1. Apparatus of the type described comprising means forming a plurality of separate fluid-tight chambers spaced circumferentially about an axis located centrally among them; a plurality of fluid supply manifolds disposed adjacent said chambers; means forming inlet ports for each of said chambers corresponding to each manifold; offtake manifolds and means forming corresponding outlet ports so located that the fluids from each supply manifold flow through a chamber in passing to the related offtake manifold; valve means controlling said inlet and outlet ports arranged to place one set of inlet and outlet manifolds in communication with some of said chambers for passing one fluid therethrough and another set of inlet and outlet manifolds in communication with other chambers to pass another fluid therethrough while simultaneously cutting off other manifolds from communication with these chambers to exclude flow of other fluids therethrough; and means rotatable about the said axis located centrally among said chambers for cyclically operating said valve means so as to place each chamber in communication sequentially with the manifolds for the several fluids.

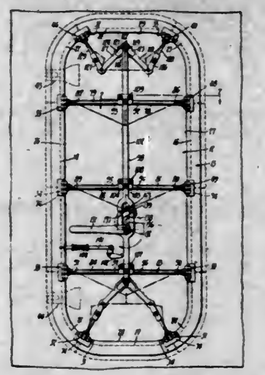
2,355,025

CLOSING AND LOCKING MECHANISM FOR DOORS

Charles E. Arthur, Napa, Calif.

Application March 29, 1941, Serial No. 385,871

7 Claims. (Cl. 292—45)



1. A closing and locking mechanism for a door and a frame therefor wherein opposite peripheral portions of the door overlie and engage opposite sides of said frame in the closed position of the door, comprising, a plurality of members pivoted adjacent one end thereof to said door at opposite sides thereof along parallel axes parallel to the plane of the door and movable in arcs in a common plane perpendicular to the plane of said door and perpendicular to said frame sides so as to swing the opposite outer ends of said members to and from said frame sides, rollers carried by said outer ends of said members for engagement with said frame sides, the spacing between said rollers and the pivotal axes of said members and the location of said axes relative to said frame sides being such as to cause said rollers to roll over and to bear forcibly against said frame sides in the closed position of the door to draw said door and portions and frame sides together upon movement of said rollers to positions on lines through said pivotal axes perpendicular to the plane of the door whereby said members will be self-locking in said positions, and manually operative means for swinging said members to and from their last named positions.

2,355,026

AIRPLANE

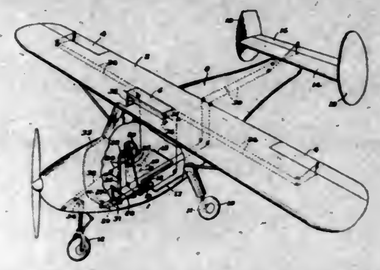
Otto C. Koppen, Newton, Mass., assignor to General Aircraft Corporation, Dover, Del., a corporation of Delaware

Application October 9, 1943, Serial No. 505,655

13 Claims. (Cl. 244—111)

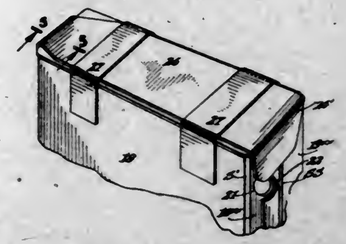
1. An airplane having in combination, a body, a supporting wing, ailerons on the wing, control means for said ailerons, directionally fixed landing wheels to the rear of the center of gravity of the airplane, brakes for said landing wheels, a casterable landing wheel forward of the airplane center of gravity, a foot-operated pedal for applying brake pressure to said landing wheel brakes, and differential control means for said

brakes connected to said aileron control means whereby the airplane may be steered on the



ground by cooperative action of said aileron control means and differential application of said brakes.

2,355,027
MOISTUREPROOF COLLAPSIBLE CONTAINER
Clarence F. Manning, Richmond, Va., assignor to Reynolds Metals Co., Richmond, Va., a corporation of Delaware
Application June 11, 1942, Serial No. 446,593
6 Claims. (Cl. 229—51)



1. A light, strong, moistureproof multi-unit container, adapted to be packed flat for economical shipment, comprising a moistureproof envelope having flexible walls and open at its top, the top area carrying a sealing medium, a collapsible box adapted to be received in and to be opened up within the envelope whereby the flexible walls of the latter are conformed to the shape of the box, the said sealing-medium-carrying areas of the envelope projecting beyond the box and being adapted to be brought into abutment for sealing, a removable top applied to the collapsible box and a flexible rip strip secured at one end to the box top and lying along the same, the rip strip having a free end, the envelope being provided with a marked tear area adjacent said free end of the strip, whereby removing said area exposes the end of the strip for opening the envelope and removing the box lid by a movement of the rip strip.

2,355,028
OAT PRODUCT
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 17, 1943, Serial No. 510,831
5 Claims. (Cl. 99—93)

1. A finely divided, dry milled oat product, said oat product containing in excess of about 20% total protein and said oat product having a relatively low starch and a relatively high protein content as compared to dehulled oats.

2,355,029
THICKENED AQUEOUS COMPOSITION AND METHOD OF MAKING THE SAME
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 4, 1944, Serial No. 534,164
9 Claims. (Cl. 252—1)

5. A method of forming a thickened aqueous composition which comprises adding to an aqueous composition a small amount of the finely divided coarse fraction of dehulled oats, said finely divided coarse fraction being substantially free of those particles which will go through a 60 mesh screen when the dehulled oats are pulverized to a fineness that will permit a major proportion thereof to pass through a 60 mesh screen, and then allowing the composition to stand for a short period of time.

2,355,030
FOOD COMPOSITION
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 4, 1944, Serial No. 534,163
13 Claims. (Cl. 99—1)

1. A food composition comprising as an ingredient a small amount of a finely divided, dry milled oat product, said oat product containing in excess of about 20% total protein and said oat product having a relatively low starch and a relatively high protein content as compared to dehulled oats.

2,355,031
STABILIZATION OF SUGAR-CONTAINING FOOD COMPOSITIONS
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application February 14, 1944, Serial No. 522,387
7 Claims. (Cl. 99—134)

1. A food composition containing at least 20% of a sugar, said food composition comprising as an ingredient a small amount of a finely divided, dry milled oat product, said oat product containing in excess of about 20% total protein and said oat product having a relatively low starch and a relatively high protein content as compared to dehulled oats.

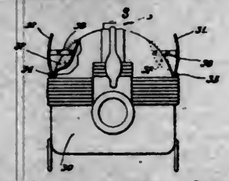
2,355,032
ICE CREAM COMPOSITION
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 4, 1944, Serial No. 534,165
10 Claims. (Cl. 99—136)

1. A composition selected from the group consisting of ice cream and ice milk, said composition comprising as an ingredient a small amount of a finely divided, dry milled oat product, said oat product containing in excess of about 20% total protein and said oat product having a relatively low starch and a relatively high protein content as compared to dehulled oats.

2,355,033
PLASTIC COMPOSITION
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application June 4, 1943, Serial No. 489,690
13 Claims. (Cl. 106—154)

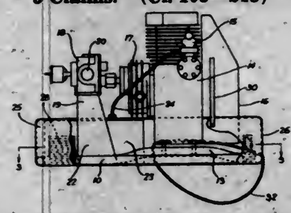
1. A plastic composition comprising the heat plasticized finely ground coarse fraction of dehulled oats in aqueous dispersion, said fraction of dehulled oats being substantially free of those particles which will go through a 60 mesh screen when the dehulled oats are ground to a fineness that will permit a major proportion thereof to pass through a 60 mesh screen, said dispersion including between 25 and 65 parts of a water soluble carbohydrate to each 100 parts of total water soluble carbohydrate and water.

2,355,034
TOOLHOLDER FOR VACUUM CLEANERS
Thomas K. Scott, East Orange, N. J.
Original application October 17, 1941, Serial No. 415,352. Divided and this application June 16, 1942, Serial No. 447,287
1 Claim. (Cl. 15—257)



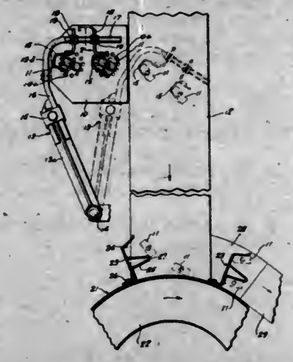
In combination, a vacuum cleaner having a substantially cylindrical casing, two longitudinal sections on opposite sides of one-half of the casing, said sections being formed as separate elements overlying portions of the casing wall, and being movable with respect thereto, each section being aligned with a longitudinal pocket formed in the casing, a hinged connection between each section and the casing so that each section can be opened into a substantially upright position forming a trough, one side of which is constituted by a section and the other by the wall of the aligned pocket, means for fastening said sections so that they will form substantially a continuous cylinder with said casing and cover said pockets, and arms attached to the ends of the sections for propping them open and for confining tools placed within the troughs constituted by the opened sections and the aligned pockets.

2,355,035
PORTABLE PUMP UNIT
Claude Sydney Thicke, Vancouver, British Columbia, Canada
Application November 28, 1941, Serial No. 420,892
5 Claims. (Cl. 103—218)



1. In a portable pump unit including a pump, an internal combustion engine operatively connected to the pump, and a fuel tank for the engine, the structure which comprises a tube bent substantially into a rectangle to form a base frame adapted to be strapped to a man's back, spaced tubular braces extending longitudinally of the frame spaced from the sides thereof for carrying the engine and the tank, and an inverted U-shaped bracket mounted on the braces over the tank for carrying the pump.

2,355,036
GLASSWARE TRANSFERRING AND CONVEYING APPARATUS
Walter K. Berthold, Rockville, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application February 17, 1941, Serial No. 379,277
4 Claims. (Cl. 198—24)

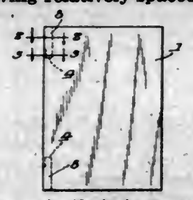


1. The combination with a stationary horizontal supporting surface on which a pair of articles of glassware may stand and a conveyor adjacent to one edge of said supporting surface at substantially the same level as said surface, of a mechanism for transferring said articles substantially simultaneously from the supporting surface onto the conveyor, said mechanism comprising an oscillatory arm pivotally mounted at one end for swinging movement at a predetermined level from a starting position across said supporting surface and partially across the conveyor and for return swinging movement at the same level to said starting position, the outer, free end portion of said oscillatory arm being bent in the direction of said conveyor, and a pair of pushers carried by said outer end portion of said arm in positions respectively to engage said articles on the stationary supporting surface and operable by said first named swinging movement of said arm to move said articles from said supporting surface onto said conveyor and by the return swinging movement of the arm to disengage said articles, each of said pushers comprising a substantially horizontal hook-shaped member having an article engaging recess open at the side nearest to said conveyor and a shank attached to said outer end portion of the oscillatory arm.

2,355,037
BINDING DEVICE
Henry Einsig, Chicago, Ill., assignor to Stemar Displays Company, Chicago, Ill.
Application February 13, 1943, Serial No. 475,828
4 Claims. (Cl. 129—18)

2. An article of the character described, comprising longitudinally folded sheets, relatively

spaced inwardly disposed longitudinally folded portions on certain of said sheets substantially parallel with and in proximity to their fold lines, each of said portions having an inwardly disposed longitudinally folded finger thereon, and others of said sheets having relatively spaced ways formed



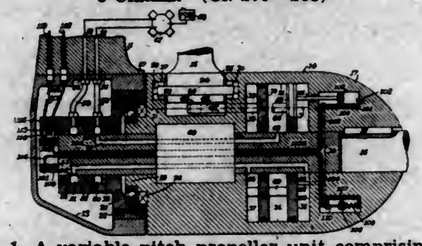
therein opening onto their transversal edge portions and extending inwardly for predetermined distances along their respective fold lines, said inwardly disposed portions and fingers being received through the ways of the second mentioned sheets and the fingers thereon engaged over adjacent portions of the latter along their fold lines.

2,355,038
COATED FABRIC INSULATION TAPE AND PROCESS
Kenneth H. Barnard, Stamford, Conn., assignor to Pacific Mills, Boston, Mass., a corporation of Massachusetts
Application December 30, 1942, Serial No. 470,658
2 Claims. (Cl. 28—74)



2. The process of making an insulating tape for wrapping electrical conductors, which process includes weaving a tubular web of cloth comprising sets of warp threads and sets of filling threads, cutting said tube helically at an angle of 60°±5° to the threads of one of said sets and at an angle of about 30° to the threads of the other of said sets to form strips, processing a strip to dispose the first-named set of threads at an angle of 50°±5° to the longitudinal line of said strip and to dispose the second-named set of threads at an angle of not over 30° to said longitudinal line while maintaining the area of said strip not substantially less than its area before processing, and then coating said strip with insulating varnish.

2,355,039
VARIABLE PITCH PROPELLER, PARTICULARLY FOR WATERCRAFT
Frederick Sydney Eves, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application January 15, 1943, Serial No. 472,508
In Great Britain December 26, 1941
5 Claims. (Cl. 170—163)

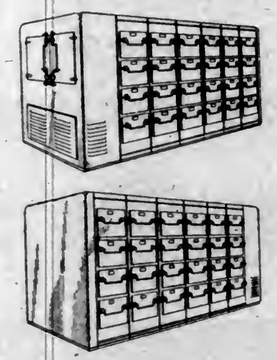


1. A variable pitch propeller unit comprising, a hub member, a propeller shaft, means establishing a driving connection between said hub member and said propeller shaft, a plurality of propeller blades, each blade being mounted in said hub member for angular pitch adjustment about a substantially radial axis, said hub member defining an interior cylinder, a pair of pistons axially slidable in said cylinder dividing the same into a middle working space and two end working spaces, a set of piston rods, one for each propeller blade, all of the piston rods of said set being secured to a common piston and extending slidably through one end wall of the cylinder, a further set of piston rods, one for each propeller blade and all secured in common to the other piston and extending slidably through the first named piston and through said end wall of the cylinder, a pair of links connecting each propeller blade at diametrically opposed points with one piston rod of each set, and means for selectively introducing pressure fluid into either the middle working space or the end working spaces to either spread the pistons apart to move all the propeller blades angularly in one direction or to move the pistons together to move all the propeller blades angularly in the other direction.

DESIGNS

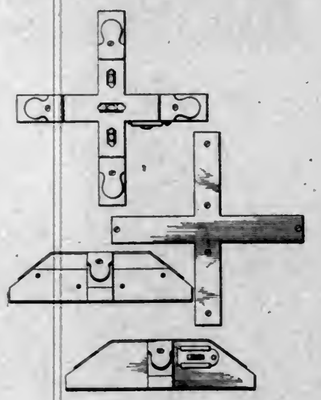
AUGUST 1, 1944

138,391
DESIGN FOR A REFRIGERATED LOCKER UNIT
William McKinley Baird, Chicago, Ill.
Application May 8, 1944, Serial No. 113,511
Term of patent 14 years
(Cl. D67—3)



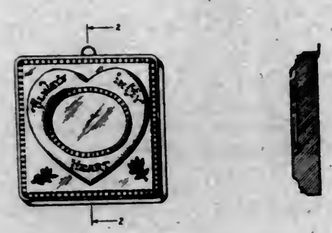
The ornamental design for a refrigerated locker unit, substantially as shown.

138,392
DESIGN FOR A SPIRIT LEVEL
William E. Bernard, Pittsfield, Mass.
Application May 2, 1944, Serial No. 113,441
Term of patent 7 years
(Cl. D52—1)



The ornamental design for a spirit level, as shown.

138,393
DESIGN FOR A PICTURE FRAME OR SIMILAR ARTICLE
Herman Bush, New York, N. Y.
Application February 24, 1944, Serial No. 112,688
Term of patent 3½ years
(Cl. D29—20)



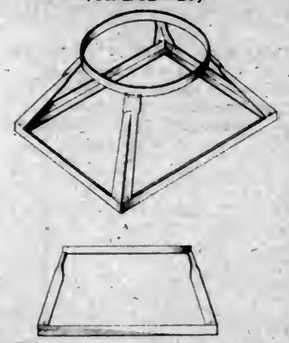
The ornamental design for a picture frame or similar article, as shown.

138,394
DESIGN FOR A LAPEL ORNAMENT
Howard H. Hanna, Denver, Colo.
Application January 11, 1944, Serial No. 112,215
Term of patent 14 years
(Cl. D45—19)



The ornamental design for a lapel ornament, as shown.

138,395
DESIGN FOR A COOKING VESSEL CRADLE
Styles T. Howard, Jeffersonville, Ind.
Application June 9, 1941, Serial No. 101,360
Term of patent 3½ years
(Cl. D81—10)



The ornamental design for a cooking vessel cradle, substantially as shown.

138,396
DESIGN FOR A BILL CLIP OR SIMILAR ARTICLE
Henry L. Lambert and Erwin Schodlbauer, New York, N. Y., assignors to Lambert Bros., Jewelers, Inc., New York, N. Y., a corporation of New York
Application June 14, 1944, Serial No. 113,994
Term of patent 7 years
(Cl. D74—2)



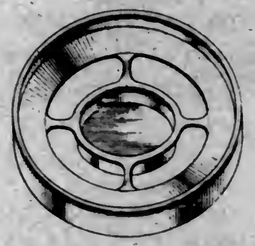
The ornamental design for a bill clip or similar article, as shown.

138,397
DESIGN FOR A HOLDER FOR PARKING METER CHANGE
James S. MacDonnell, Denver, Colo.
Application April 17, 1944, Serial No. 113,275
Term of patent 7 years
(Cl. D52—4)



The ornamental design for a holder for parking meter change, as shown.

138,398
DESIGN FOR A SEPARATOR FOR EGG YOLK AND WHITES OR SIMILAR ARTICLE
Edwin Reynolds, Vineland, N. J.
Application February 15, 1944, Serial No. 112,598
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a separator for egg yolk and whites or similar article, substantially as shown.

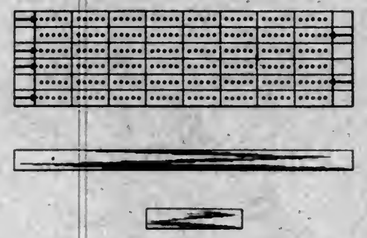
138,399
DESIGN FOR A DOLL OR SIMILAR ARTICLE
Ethel Rice, New York, N. Y.
Application February 21 1944, Serial No. 112,659
Term of patent 3½ years
(Cl. D34—4)





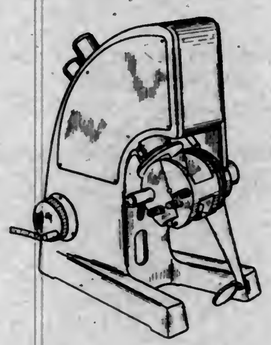
The ornamental design for a doll or similar article, substantially as shown.

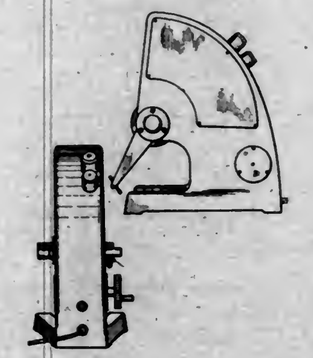
138,400
DESIGN FOR A CRIBBAGE BOARD
Loyal Frederick Roh, Grand Rapids, Mich.
Application May 19, 1944, Serial No. 113,692
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a cribbage board, as shown.

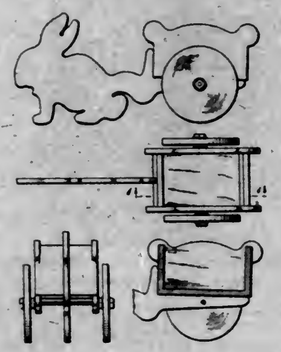
138,401
DESIGN FOR A REFRACTOMETER
Raymond F. E. Stegeman, Greece, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application January 31, 1944, Serial No. 112,387
Term of patent 14 years
(Cl. D57—1)





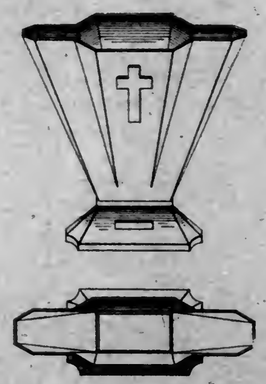
The ornamental design for a refractometer, substantially as shown.

138,402
DESIGN FOR A TOY VEHICLE
William H. Steward, Chicago, Ill.
Application May 6, 1944, Serial No. 113,497
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy vehicle, as shown.

138,403
DESIGN FOR A VASE OR SIMILAR ARTICLE OF MANUFACTURE
George E. White, Bradenton, Fla.
Application May 24, 1944, Serial No. 113,748
Term of patent 14 years
(Cl. D29—28)



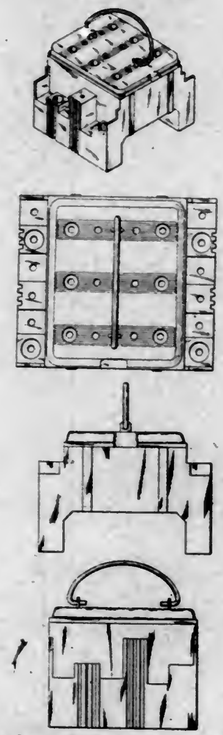
The ornamental design for a vase or similar article of manufacture, as shown.

138,404
DESIGN FOR AN EMBROIDERED TRIMMING OR THE LIKE
Jack Wiener, New York, N. Y.
Application May 23, 1944, Serial No. 113,733
Term of patent 3½ years
(Cl. D92—1)



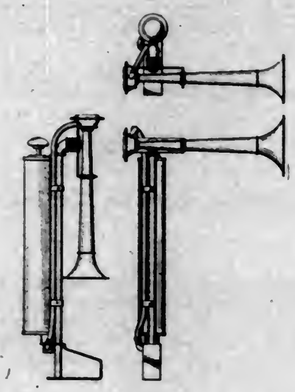
The ornamental design for an embroidered trimming or the like, as shown.

138,405
DESIGN FOR AN ELECTRIC SWITCH CASING
Thomas M. Cole, New York, N. Y., assignor to Cole Electric Products Co., Inc., Long Island City, N. Y.
Application December 18, 1943, Serial No. 112,024
Term of patent 14 years
(Cl. D26—13)



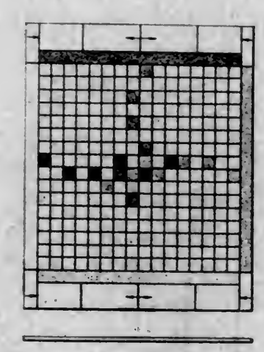
The ornamental design for an electric switch casing, as shown and described.

138,406
DESIGN FOR A COMBINED AIR HORN AND ACTUATOR
Harold F. Hadley, Defiance, Ohio
Application May 24, 1944, Serial No. 113,739
Term of patent 7 years
(Cl. D72—1)



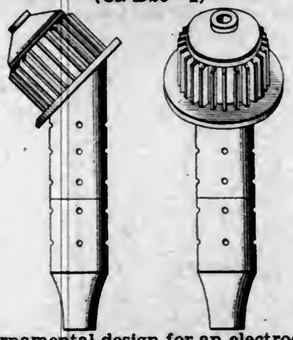
The ornamental design for a combined air horn and actuator, substantially as shown.

138,407
DESIGN FOR A GAME BOARD
Paul D. Haynes, Electra, Tex.
Application April 25, 1944, Serial No. 113,364
Term of patent 7 years
(Cl. D34—5)



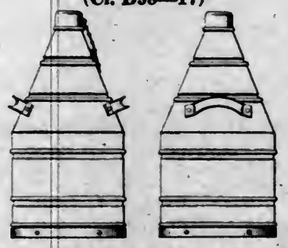
The ornamental design for a game board, as shown.

138,408
DESIGN FOR AN ELECTRODE HOLDER
Le Roy J. Nellis, Elyria, Ohio
Application May 13, 1944, Serial No. 113,580
Term of patent 14 years
(Cl. D26—1)



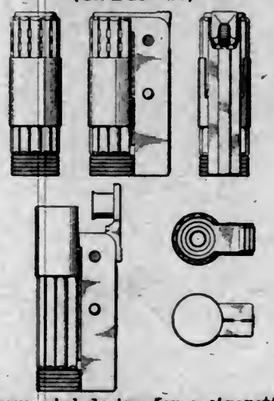
The ornamental design for an electrode holder, as shown.

138,409
DESIGN FOR A CAN OR SIMILAR ARTICLE
Richard Paul, Newark, N. J.
Application April 19, 1944, Serial No. 113,308
Term of patent 7 years
(Cl. D58—17)



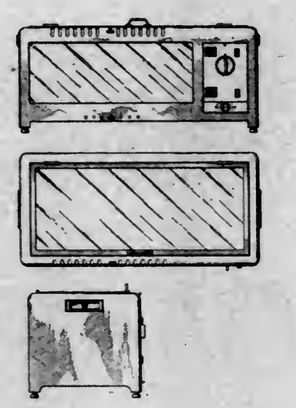
The ornamental design for a can or similar article, as shown.

138,410
DESIGN FOR A CIGARETTE LIGHTER
Max Sternberg, San Francisco, Calif.
Application March 13, 1944, Serial No. 112,890
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a cigarette lighter, as shown.

138,411
DESIGN FOR A PORTABLE BABY INCUBATOR
Gordon Armstrong, Cleveland, Ohio
Application April 10, 1944, Serial No. 113,203
Term of patent 14 years
(Cl. D83—1)



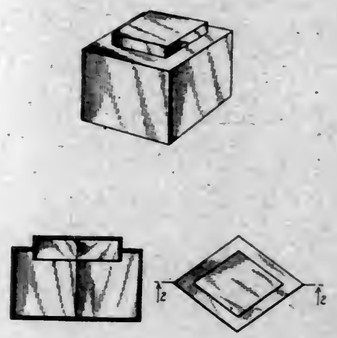
The ornamental design for a portable baby incubator, as shown and described.

138,412
DESIGN FOR A BASE FOR MACHINE TOOLS OR THE LIKE
Robert Elvin Conover, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application May 13, 1943, Serial No. 110,203
Term of patent 14 years
(Cl. D54—14)



The ornamental design for a base for machine tools or the like, substantially as shown and described.

138,413
DESIGN FOR A BOX OR SIMILAR ARTICLE
Frank Powers, New York, N. Y., assignor to Advertising Agencies Service Co., Inc., New York, N. Y.
Application June 25, 1943, Serial No. 110,528
Term of patent 7 years
(Cl. D58—12)



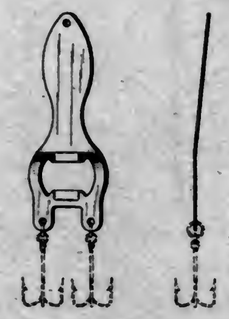
The ornamental design for a box or similar article, substantially as shown and described.

138,414
DESIGN FOR A DRESS
Michael Gregory Stein, Brooklyn, N. Y.
Application June 5, 1944, Serial No. 113,860
Term of patent 3½ years
(Cl. D3—26)



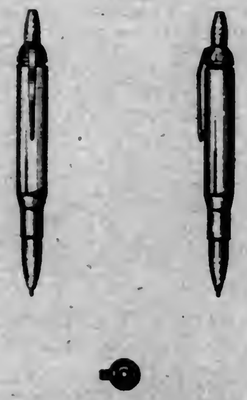
The ornamental design for a dress, as shown.

138,415
DESIGN FOR A FISH LURE
Irma L. Douglass and Lincoln E. Douglass, Chicago, Ill.
Application May 12, 1944, Serial No. 113,566
Term of patent 14 years
(Cl. D31—4)



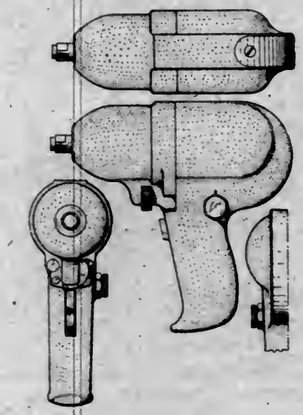
The ornamental design for a fish lure, substantially as shown and described.

138,416
DESIGN FOR A MECHANICAL PENCIL OR SIMILAR ARTICLE
Arnold Fernandez, United States Army
Application May 10, 1944, Serial No. 113,529
Term of patent 14 years
(Cl. D74—24)



The ornamental design for a mechanical pencil or similar article, substantially as shown.

138,417
DESIGN FOR AN IMPACT WRENCH UNIT OR THE LIKE
Clifford E. Fitch, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application November 3, 1943, Serial No. 111,579
Term of patent 14 years
(Cl. D54—14)



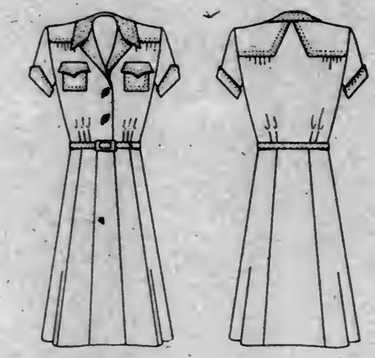
The ornamental design for an impact wrench unit or the like, substantially as shown and described.

138,418
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application June 27, 1944, Serial No. 114,205
Term of patent 3½ years
(Cl. D3—26)



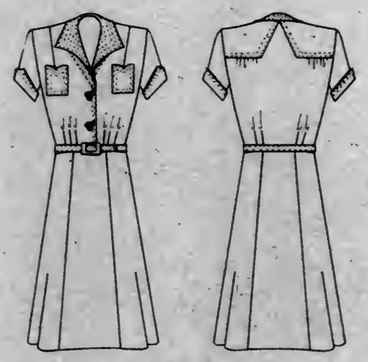
The ornamental design for a dress, substantially as shown.

138,419
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application June 27, 1944, Serial No. 114,206
Term of patent 3½ years
(Cl. D3—26)



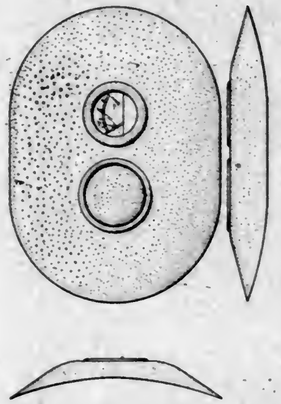
The ornamental design for a dress, substantially as shown.

138,420
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application June 27, 1944, Serial No. 114,207
Term of patent 3½ years
(Cl. D3—26)



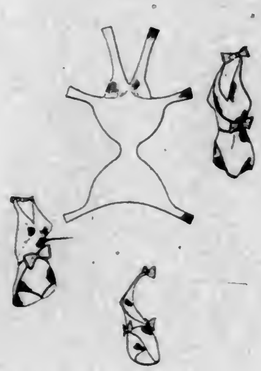
The ornamental design for a dress, substantially as shown.

138,421
DESIGN FOR A COMBINED GAUGE AND SAFETY VALVE UNIT FOR RUBBER BOATS OR THE LIKE
William B. Kochner, St. Louis, Mo., and Lawrence T. Ward, Newark, N. J., assignors to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application August 4, 1943, Serial No. 110,838
Term of patent 14 years
(Cl. D71—1)



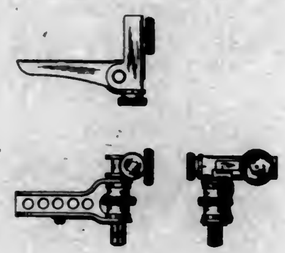
The ornamental design for a combined gauge and safety valve unit for rubber boats or the like, substantially as shown.

138,422
DESIGN FOR A BATHING SUIT OR SIMILAR ARTICLE
Alex A. Mitchell, Portland, Oreg.
Application November 9, 1942, Serial No. 108,729
Term of patent 7 years
(Cl. D3—17)



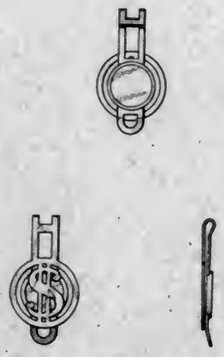
The ornamental design for a bathing suit or similar article, as shown.

138,423
DESIGN FOR A REAR SIGHT FOR FIREARMS
Harold F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application June 3, 1943, Serial No. 110,361
Term of patent 14 years
(Cl. D30—1)



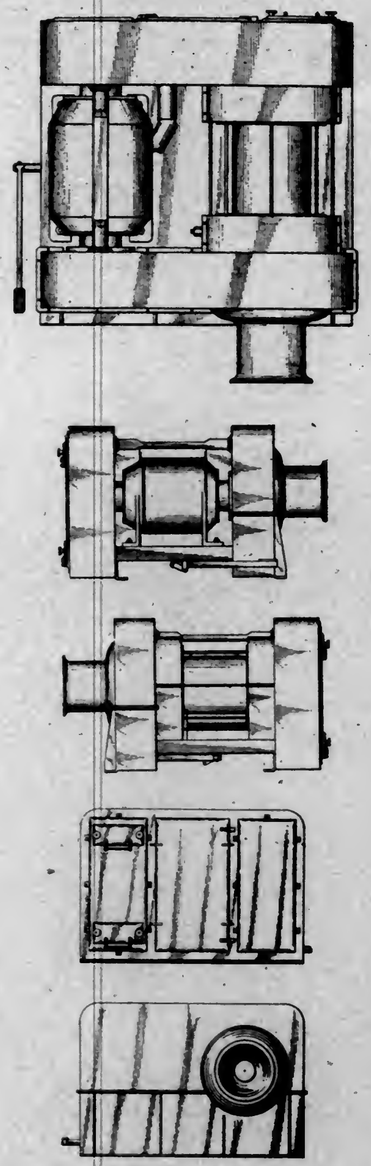
The ornamental design for a rear sight for firearms, substantially as shown.

138,424
DESIGN FOR A BILL CLIP OR SIMILAR ARTICLE
Leonard Palliser, New York, N. Y.
Application May 29, 1944, Serial No. 113,802
Term of patent 7 years
(Cl. D74—2)



The ornamental design for a bill clip or similar article, as shown.

138,425
DESIGN FOR A WINCH
Kenneth F. Potter and Rolf E. Ljungkull, St. Paul, and Donald C. Gray, Rose Township, Ramsey County, Minn., assignors to American Hoist & Derrick Company, St. Paul, Minn., a corporation of Delaware
Application December 21, 1943, Serial No. 112,066
Term of patent 14 years
(Cl. D41—1)



The ornamental design for a winch, as shown.

138,426
DESIGN FOR A DRESS
Emily Wilkens, New York, N. Y.
Application May 30, 1944, Serial No. 113,818
Term of patent 7 years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,427
DESIGN FOR A DRESS
Emily Wilkens, New York, N. Y.
Application July 4, 1944, Serial No. 114,305
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,428
DESIGN FOR A DRESS ENSEMBLE
Emily Wilkens, New York, N. Y.
Application July 4, 1944, Serial No. 114,306
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress ensemble, substantially as shown.

138,429
DESIGN FOR A DRESS ENSEMBLE
Emily Wilkens, New York, N. Y.
Application July 4, 1944, Serial No. 114,307
Term of patent 3½ years
(Cl. D3—26)



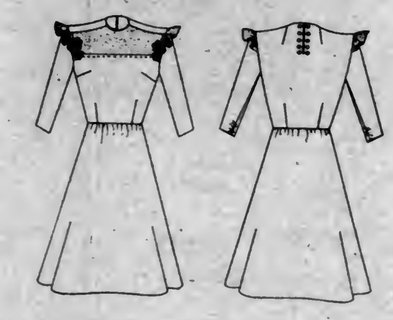
The ornamental design for a dress ensemble, substantially as shown.

138,430
DESIGN FOR A DRESS
Emily Wilkens, New York, N. Y.
Application July 4, 1944, Serial No. 114,308
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,431
DESIGN FOR A DRESS
Emily Wilkens, New York, N. Y.
Application July 4, 1944, Serial No. 114,309
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,355,040 to 2,355,603

THE
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August 8, 1944

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Patents	564	No. 2,355,040 to No. 2,355,603, inclusive.
Designs	59	No. 138,432 to No. 138,490, inclusive.
Total	806	

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., July 5, 1944.*

James F. Larkin, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of National Lead Company, 111 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered July 26, 1938, No. 358,897, to James F. Larkin, 301 Hightower Bldg., Oklahoma City, Okla. The records of this Office show that Katharine Larkin Angus is administratrix of the estate of said Larkin, deceased. Notice of such declaration sent by registered mail to said administratrix having been returned by the post office as undeliverable, notice is hereby given that unless the assigns or legal representatives of said Larkin shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Disclaimers

2,311,828.—*Merlin Hansen* and *Robert K. Hall*, Waterloo, Iowa. FUEL CONTROL DEVICE. Patent dated February 23, 1943. Disclaimer filed July 10, 1944, by the assignee, *John Deere Tractor Company.*

Hereby enters this disclaimer to claim 11 of said patent.

2,333,913.—*Vilynn O. Beam*, Minneapolis, Minn. VALVE MECHANISM. Patent dated November 9, 1943. Disclaimer filed July 17, 1944, by the assignee, *Minneapolis-Honeywell Regulator Company.*

Hereby enters this disclaimer to claims 1, 2, and 5 of said specification.

Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., July 7, 1944*

Plumbers Trade Journal Publishing Co., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by McGraw-Hill Publishing Company, Inc., 330 West 42nd St., New York, N. Y., to effect the cancellation of trade-mark registration of Plumbers Trade Journal Publishing Co., 239 West 30th St., New York, N. Y., No. 243,185, dated June 12, 1928, and the notice of such proceeding sent by registered mail to the said Plumbers Trade Journal Publishing Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Plumbers Trade Journal Publishing Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice—Attorney's Address

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

Condition of Applications Under Examination at Close of Business July 22, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 48,240; Trade-Mark Division, 1,520. Oldest new case, Aug. 11, 1943; oldest amended, Aug. 12, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting action by applicant	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders: Baths, Closets, Sinks, and Spittons; Sewerage.	Dec. 23	†Mar. 20	522
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Dec. 24	†Jan. 24	595
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Dec. 7	Dec. 14	1,006
4. BISHOP, WALTER C., Conveyors; Hoists; Handing Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	†Feb. 14	†Jan. 14	528
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Oct. 18	Oct. 14	1,240
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 29	†Feb. 2	1,170
7. JARBOE, C. O., Optics, Photography	†Mar. 11	†Mar. 4	606
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Feb. 15	†Feb. 9	588
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	†Jan. 3	†Jan. 20	723
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Mar. 29	†Mar. 16	268
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Oct. 9	Sept. 28	1,100
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	†Feb. 12	†Feb. 5	599
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	†Mar. 1	†Feb. 17	608
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	†Feb. 24	†Feb. 16	752
16. SPENCER, C. J., Telegraphy; Telephony	†Feb. 4	†Feb. 7	584
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 17	Nov. 8	531
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Sept. 27	Oct. 6	887
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	†Jan. 15	Dec. 22	566
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Sales.	†Mar. 7	†Jan. 3	416
21. THOMPSON, T. J., Textiles	†Feb. 8	†Jan. 12	447
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Dec. 7	Dec. 8	1,135
23. BARROWS, B., Cash Registers; Calculators (part)	Oct. 20	Aug. 21	152
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Mar. 6	†Mar. 3	460
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Dec. 10	Dec. 31	773
26. YOUNG, R. R., Electricity—Generation and Motive Power	Nov. 2	Nov. 12	924
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 22	Oct. 20	493
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Dec. 7	Nov. 11	743
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	†Feb. 4	†Jan. 28	781
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Oct. 28	Nov. 1	1,074
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Feb. 8	†Feb. 4	1,040
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells, Earth Boring.	†Jan. 28	†Jan. 25	713
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Mar. 2	†Mar. 18	650
34. SAPERSTEIN, S., Electricity—Meters and Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	†Feb. 12	†Feb. 10	575
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	†Mar. 2	†Mar. 8	572
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	†Feb. 1	†Feb. 19	468
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 30	Dec. 4	784
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Dec. 2	Nov. 22	613
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	†Jan. 13	†Jan. 22	713
40. DRUMMOND, E. J., Receptacles (part); Packages	†Mar. 7	†Mar. 3	635
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 28	Nov. 13	414
42. MARANS, H., Electric Signaling	†Mar. 9	†Feb. 29	333
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 20	Dec. 16	754
44. HARVEY, L. P., Refrigeration; Preserving	Oct. 21	Nov. 2	440
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Springs, Weight and Horsepower Motors.	Dec. 27	†Jan. 14	1,051
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 11	Nov. 11	506
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	†Mar. 8	†Feb. 18	696
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Dec. 20	Dec. 16	822
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Jan. 10	†Jan. 20	627
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	†Jan. 15	†Jan. 25	1,422
51. CROCKER, A. W., Radiant Energy; Multiplex Telephony, Modulators	Dec. 13	Dec. 11	1,370
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Dec. 18	Dec. 7	880
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	†Mar. 1	Nov. 19	472
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Aug. 11	Aug. 12	1,000
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 27	Oct. 26	648
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Dec. 24	Dec. 27	779
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 24	Dec. 11	818
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Jan. 14	†Jan. 8	679
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Dec. 6	Dec. 8	1,421
60. GLASS, R. L., Electricity Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Nov. 13	Nov. 13	885
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	†Feb. 21	†Feb. 14	513
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Feb. 19	†Feb. 12	1,001
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Nov. 15	Nov. 1	978
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Feb. 28	†Feb. 24	991
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 20	Sept. 20	903
Trade-Marks: RICHMOND, F. A.	†May 19	†June 15	1,520
Designs: KALUPY, H. H.	†June 1	†June 22	632

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adler Co., The, Cincinnati, Ohio. Hosiery. Serial No. 468,361; Aug. 8. Class 39.

Agicide Laboratories, Inc., Racine, Wis. Vegetable charcoal. Serial No. 469,071; Aug. 8. Class 1.

Aktiebolaget Pulverkemi, Stockholm, Sweden. Sliding bearings, bushings, sliding bars, etc. Serial No. 468,586; Aug. 8. Class 23.

Albertson, S., Company, Inc., Boston, Mass. Fresh deciduous fruits. Serial No. 466,685; Aug. 8. Class 46.

American Agricultural Chemical Company, The, New York, N. Y. Mineral supplements. Serial No. 466,209; Aug. 8. Class 6.

American Optical Company, Southbridge, Mass. Goggles, sunglasses and parts thereof. Serial No. 470,904; Aug. 8. Class 26.

American Woolen Company, Boston, Mass., and New York, N. Y. Piece goods. Serial No. 470,597; Aug. 8. Class 42.

Artfield Creations. (See Blake, Irene, Cosmetics, Inc.)

Associated Distributors, assignor to Consolidated Cosmetics, Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 466,137; Aug. 8. Class 6.

Atlas Powder Company, Wilmington, Del. Coated fabrics. Serial No. 464,238; Aug. 8. Class 50.

Atterbury, A. D., doing business as A. D. Atterbury Company, Yuba, Calif. Frozen fresh deciduous fruits and vegetables. Serial No. 470,014; Aug. 8. Class 46.

Atterbury, A. D., Company. (See Atterbury, A. D.)

Auto-Soler Company, The, Atlanta, Ga. Machine for forming and inserting nails and fasteners. Serial No. 463,615; Aug. 8. Class 23.

Automatic Machine & Tool Co., Auburndale, Mass. Shaft couplings. Serial No. 466,069; Aug. 8. Class 23.

Baar & Beards, Inc., New York, N. Y. Vestees and dickeys. Serial No. 470,598; Aug. 8. Class 39.

Babson Bros. Co., Chicago, Ill. Vacuum testing apparatus. Serial No. 463,430; Aug. 8. Class 26.

Bel Geddes, Norman, & Co., New York, N. Y. Film viewers. Serial No. 471,029; Aug. 8. Class 26.

Belcolite Company. (See Chapman, Clyde D.)

Berman, Gustave, New York, N. Y. Umbrellas and parasols. Serial No. 470,608; Aug. 8. Class 41.

Billow Products Company. (See Pollack, Edward W.)

Blake, Irene, Cosmetics, Inc., doing business as Artfield Creations, New York, N. Y. Hair tonic, after shave lotion, and after shave powder. Serial No. 469,923; Aug. 8. Class 6.

Blake, Irene, Cosmetics, Inc., New York, N. Y. After shave lotion. Serial No. 470,402; Aug. 8. Class 6.

Block Drug Company, Inc., Jersey City, N. J. Insect repellent. Serial No. 470,434; Aug. 8. Class 6.

Boyd's. (See Gushner Brothers.)

Campana Sales Company, Batavia, Ill. Women's apparel. Serial No. 468,659; Aug. 8. Class 39.

Cariat, S. S., doing business as Coast Chemical Company, Los Angeles, Calif. Fish liver oils, synthetic vitamins, medicinal chemicals, etc. Serial No. 467,265; Aug. 8. Class 6.

Cavanaugh, Edward B., Philadelphia, Pa. Toy airplanes. Serial No. 469,294; Aug. 4. Class 22.

Chapman, Clyde D., doing business as Belcolite Company, Spokane, Wash. Liquid cleaning, glazing and polishing material. Serial No. 469,431; Aug. 8. Class 16.

Christina, Vincent, & Company, Inc., New York, N. Y. Preparation for intramuscular injection indicated in sciatica, neuritis, etc. Serial No. 468,868; Aug. 8. Class 6.

Christina, Vincent, & Company, Inc., New York, N. Y. Preparation for intramuscular injection, an organic bismuth compound. Serial No. 468,869; Aug. 8. Class 6.

Christina, Vincent, & Company, Inc., New York, N. Y. Preparation for intramuscular injection, a stable solution of the natural estrogenic hormone in oil. Serial No. 468,870; Aug. 8. Class 6.

Christina, Vincent, & Company, Inc., New York, N. Y. Iron salt. Serial No. 468,871; Aug. 8. Class 6.

Christina, Vincent, & Company, Inc., New York, N. Y. Preparation for intramuscular injection, a stable solution of the natural estrogenic hormone in oil. Serial No. 468,872; Aug. 8. Class 6.

Christina, Vincent, & Company, Inc., New York, N. Y. Preparation for intramuscular injection indicated in the treatment of lipoid metabolism, psoriasis, etc. Serial No. 468,873; Aug. 8. Class 6.

Christina, Vincent, & Company, Inc., New York, N. Y. Preparation which is a solution of vitamin B complexes. Serial No. 468,874; Aug. 8. Class 6.

Cleveland Pneumatic Tool Company, The, Cleveland, Ohio. Percussively operated pneumatic tools. Serial No. 465,707; Aug. 8. Class 23.

Cohen, Isidor H., New York, N. Y. Men's, women's and children's hosiery. Serial No. 469,984; Aug. 8. Class 39.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods of cotton, rayon, etc. Serial No. 468,556; Aug. 8. Class 42.

Cohn & Rosenberger, Inc., New York, N. Y. Necklaces and bracelets, earrings, jewelry clips, etc. Serial No. 457,929; Aug. 8. Class 28.

Commercial Solvents Corporation, New York, N. Y. Insecticides and insect repellents. Serial Nos. 466,637–9; Aug. 8. Class 6.

Conner, H. D., doing business as H. D. Conner Produce Co., Phoenix, Ariz. Fresh vegetables and melons. Serial No. 467,394; Aug. 8. Class 46.

Conner, H. D., Produce Co. (See Conner, H. D.)

Consolidated Cosmetics. (See Associated Distributors.)

Cordo Chemical Corporation, The, Norwalk, Conn. Adhesives made of plastic resins. Serial No. 470,965; Aug. 8. Class 5.

Couse Laboratories, Newark, N. J. Traveling machine shops. Serial No. 466,193; Aug. 8. Class 23.

Crane & Breed Casket Company, The, Cincinnati, Ohio. Burial caskets. Serial No. 458,172; Aug. 8. Class 2.

Crane Packing Company, Chicago, Ill. Composition disks or washers. Serial No. 468,837; Aug. 8. Class 35.

Crawford-Austin Manufacturing Co., Waco, Tex. Cotton pickers' sacks. Serial No. 471,445; Aug. 8. Class 2.

Creations, Inc., Baltimore, Md. Caps. Serial No. 469,533; Aug. 8. Class 39.

Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Saws. Serial No. 468,409; Aug. 8. Class 23.

Distilled Liquors Import Co., Inc., New York, N. Y. Brandy. Serial No. 470,850; Aug. 8. Class 49.

Drones, Rosie, Chicago, Ill. Salve or semi-liquid hair grower. Serial No. 469,750; Aug. 8. Class 6.

Duncan, William H., doing business as Standard Medicine Company, St. Louis, Mo. Medicines for rheumatism, backache, bruises, etc. Serial No. 470,371; Aug. 8. Class 6.

Durkee Marine Products Corporation, Grasmere, Staten Island, N. Y. Flagpole eagles, mast balls, and name plates, etc. Serial No. 470,567; Aug. 8. Class 50.

Dynamatic Corporation, Kenosha, Wis. Electric drives. Serial No. 469,466; Aug. 8. Class 21.

Eclipse Air Brush Co., Newark, N. J. Pneumatic driven stirrers. Serial No. 465,421; Aug. 8. Class 23.

Effervescent Products, Inc., Elkhart, Ind. Effervescent tablets. Serial No. 469,675; Aug. 8. Class 6.

Erwin Cotton Mills Company, West Durham, N. C. Sheets, pillowcases, sheeting etc. Serial No. 469,193; Aug. 8. Class 42.

Euclid Candy Co. of California, Inc., San Francisco, Calif. Candy. Serial No. 470,941; Aug. 8. Class 46.

Eutectic Welding Alloys Company. (See Wasserman, Rene D.)

Exact Weight Scale Company, Columbus, Ohio. Electrically actuated combined commodity weighing and assorting machines. Serial No. 465,132; Aug. 8. Class 26.

Florida Chemical Industries, Inc., Sparr, Fla. Preparation for use in the elimination of worms in animals and poultry. Serial No. 470,107; Aug. 8. Class 6.

Florida Chemical Industries, Inc., Sparr, Fla. Preparation for the prevention and treatment of screwworm, infestation in livestock. Serial No. 470,108; Aug. 8. Class 6.

Forest City Products, Inc., Cleveland, Ohio. Medicated corn pads, medicated corn plasters, medicated disks, etc. Serial No. 470,374; Aug. 8. Class 6.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial Nos. 470,814–15; Aug. 8. Class 42.

Friedman, Sol, & Sons, New York, N. Y. Ladies' slips. Serial No. 470,529; Aug. 8. Class 39.

Gallowhur Chemical Corporation, Windsor, Vt. Preparation for external application. Serial No. 470,335; Aug. 8. Class 6.

Geigy Company, Inc., New York, N. Y. Chemical preservatives. Serial No. 468,749; Aug. 8. Class 6.

Gibbs, Raymond S., doing business as Standard Wood Preserver Company, New Orleans, La. Chemical preparation. Serial No. 469,760; Aug. 8. Class 6.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Accelerators for the vulcanization of rubber. Serial No. 469,761; Aug. 8. Class 6.

Great Lakes Varnish Works, Inc., Chicago, Ill. Ready mixed paint and paint enamel. Serial No. 478,885; Aug. 8. Class 16.

Gushner Brothers, doing business as Boyd's, Philadelphia, Pa. Men's suits, coats, trousers, slacks, etc. Serial No. 469,228; Aug. 8. Class 39.

Half-Fare Frocks. (See Hutchinson, Helen.)

Haskell, Charles C., & Co., Inc., Richmond, Va. Medicinal preparation. Serial Nos. 470,448–9; Aug. 8. Class 6.

Hat Corporation of America, Norwalk, Conn. Hats for women. Serial No. 462,414; Aug. 8. Class 39.

Hego Fabrics, Inc., New York, N. Y. Piece goods. Serial No. 470,764; Aug. 8. Class 42.
Hego Fabrics, Inc., New York, N. Y. Piece goods. Serial No. 470,768; Aug. 8. Class 42.
Hutchinson, Helen, doing business as Half-Fare Frocks, St. Louis, Mo. Children's dresses, coats, and suits. Serial No. 470,500; Aug. 8. Class 39.
International Salt Company, Scranton, Pa. Rock salt. Serial No. 462,018; Aug. 8. Class 6.
Kendall Company, The, Walpole, Mass. Surgical adhesive tape, plaster-of-Paris bandages, filled gauze pads, etc. Serial No. 469,568; Aug. 8. Class 44.
Kestenman Bros. Mfg. Co., Providence, R. I. Jewelry. Serial No. 469,160; Aug. 8. Class 28.
Kidd, Thomas A., doing business as Pak Products Company, Cleveland, Ohio. Embalming powders. Serial No. 465,742; Aug. 8. Class 6.
Kidd, Thomas A., doing business as Pak Products Company, Cleveland, Ohio. Embalming fluids. Serial No. 468,713; Aug. 8. Class 6.
Lander Co., Inc., The, New York, N. Y. Perfume and toilet waters. Serial No. 463,173; Aug. 8. Class 6.
Landsberger, S. W., Chemical Works, Inc., New York, N. Y. Glues. Serial No. 471,157; Aug. 8. Class 5.
Leighton Hats, Inc., New York, N. Y. Women's and misses' hats. Serial No. 469,544; Aug. 8. Class 39.
Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding rods and welding wire. Serial No. 459,373; Aug. 8. Class 14.
London & Company, Inc., Elizabeth, N. J. Vodka. Serial No. 469,996; Aug. 8. Class 49.
Manbee Equipment Company, Inc., Chicago, Ill. Combination mechanisms for aligning, balancing and straightening of parts of auto chassis. Serial No. 455,599; Aug. 8. Class 23.
Masie, Hans H., New York, N. Y. Toilet waters, eau de cologne, and perfumes. Serial No. 465,295; Aug. 8. Class 6.
Mauricio y Alberto Habif y Cia, Habana, Cuba. Perfume, skin lotion, and toilet water. Serial No. 466,896–7; Aug. 8. Class 6.
Meyer, A. I., Corporation, Boston, Mass. Gabardine coats. Serial No. 470,149; Aug. 8. Class 39.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Surgical tape. Serial No. 469,961; Aug. 8. Class 44.
Mock, Judson Voehringer Company, Inc., Long Island City, N. Y. Hosiery. Serial No. 471,095; Aug. 8. Class 39.
Moore, Guy, and Associates. (See Moore, Guy.)
Moore, Guy, doing business as Guy Moore and Associates, Harlingen, Tex. Fresh vegetables. Serial No. 470,922; Aug. 8. Class 46.
Moore, Guy, doing business as Guy Moore and Associates, Harlingen, Tex. Fresh vegetables. Serial No. 470,924; Aug. 8. Class 46.
Munn and Steele, Incorporated, Newark, N. J. Coating material. Serial No. 463,911; Aug. 8. Class 12.
Nalick, Albert, Los Angeles, Calif. Rings, pins, and emblems. Serial No. 468,389; Aug. 8. Class 28.
National Mattress Company, Huntington, W. Va. Mattresses. Serial No. 468,924; Aug. 8. Class 32.
National Mineral Company, The, Chicago, Ill. Shampoo. Serial No. 468,926; Aug. 8. Class 6.
New England Chemical and Supply Co. (See Woronka, Andrew J.)
North Carolina Fabrics Corporation, Salisbury, N. C. Textile fabrics in the piece. Serial No. 465,045; Aug. 8. Class 42.
Odell Company, Inc., The, Newark, N. J. Shampoo and dandruff treatment. Serial No. 469,646; Aug. 8. Class 6.
Oil States Petroleum Co., Inc., New York, N. Y. Paraffin wax, lubricating oil and grease, etc. Serial No. 470,039; Aug. 8. Class 15.
Omega Chemical Company, Inc., Jersey City, N. J. Ointment or salve. Serial No. 467,377; Aug. 8. Class 6.
Owens-Illinois Glass Company, Toledo, Ohio. Closures for bottles, jars, jugs, etc. Serial No. 468,966; Aug. 8. Class 50.
Pak Products Company. (See Kidd, Thomas A.)
Pemco Corporation, Baltimore, Md. Raw minerals and chemicals. Serial No. 464,757; Aug. 8. Class 6.
Pereaux Creations, New York, N. Y. Ear muffs. Serial No. 469,092; Aug. 8. Class 39.
Plastodent, Inc., New York, N. Y. Denture material. Serial No. 465,401; Aug. 8. Class 44.
Pollack, Edward W., doing business as Billow Products Company, New York, N. Y. Sanitary crib liners. Serial No. 453,388; Aug. 8. Class 32.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Combs. Serial No. 469,822; Aug. 8. Class 40.
Quaker Chemical Products Corporation, Conshohocken, Pa. Emulsifying, scouring, and penetrating agent and assistant. Serial No. 469,020; Aug. 8. Class 6.
Quality Fruit Wines Corp., Yonkers, N. Y. Wines. Serial No. 469,443; Aug. 8. Class 47.
Roche-Organon, Inc., Nutley, N. J. Estrogen preparations. Serial No. 467,209; Aug. 8. Class 6.
Rohm & Haas Company, Philadelphia, Pa. Synthetic resinous materials. Serial No. 466,547; Aug. 8. Class 1.
Röhm & Haas Company, Philadelphia, Pa. Insecticides, fungicides, or disinfectants. Serial No. 470,352; Aug. 8. Class 6.
Rolins Company, New York, N. Y. Marine supplies. Serial No. 464,255; Aug. 8. Class 23.
Rosebrooke, Inc., New York, N. Y. Ladies' dresses, coats, jackets, etc. Serial No. 470,316; Aug. 8. Class 39.
Rosenbols, J., Inc., New York, N. Y. Piece goods. Serial No. 470,738; Aug. 8. Class 42.
Roxalin Flexible Finishes, Inc., Elizabeth, N. J. Wrinkle finish compositions, putties, sizes, etc. Serial No. 469,022; Aug. 8. Class 16.
Royal Liquors Company, North Bergen, N. J. Whiskey. Serial No. 470,234; Aug. 8. Class 49.
Royal Liquors Company, North Bergen, N. J. Vodka. Serial No. 470,353; Aug. 8. Class 49.
Sauer, C. F., Company, The, Richmond, Va. Cough syrup. Serial No. 464,626; Aug. 8. Class 6.
Specific Pharmaceuticals, Inc., New York, N. Y. Sulfadiazine and sulfameraxine injection. Serial No. 470,124; Aug. 8. Class 6.
Spencer-Adams Paint Company, Inc., Atlanta, Ga. Ready mixed paint, varnish, paint, etc. Serial No. 469,737; Aug. 8. Class 16.
Standard Candies, Inc., Boston, Mass. Pop corn, popped and seasoned and unseasoned. Serial No. 467,473; Aug. 8. Class 46.
Standard Margarine Co., Inc., Indianapolis, Ind. Oleomargarine, sandwich spread, peanut butter, etc. Serial No. 470,585; Aug. 8. Class 46.
Standard Medicine Company. (See Duncan, William H.)
Standard Wood Preserver Company. (See Gibbs, Raymond S.)
Stein, Hall Manufacturing Company, Chicago, Ill. Soya flour. Serial No. 464,833; Aug. 8. Class 46.
Stenso Lettering Company, Baltimore, Md. Stencils for lettering, making flash cards, notices, etc. Serial No. 463,765; Aug. 8. Class 37.
Streit, Aron, Inc., New York, N. Y. Matzos. Serial No. 468,686; Aug. 8. Class 46.
Sunduré Paint Corporation, Syracuse, N. Y. Ready mixed, paste and enamel paint, oil stains, varnish floor sealers, etc. Serial No. 468,270; Aug. 8. Class 16.
Thompson Aircraft Products Co., Cleveland, Ohio. Cylinder holding studs, bolts, cap screws, etc. Serial No. 466,852; Aug. 8. Class 13.
Towler Brothers (Patents) Ltd., Leeds, England. Control valves. Serial No. 462,566; Aug. 8. Class 23.
Twin City Shellac Co. Inc., Brooklyn, N. Y. Substitute shellac. Serial No. 470,319; Aug. 8. Class 16.
United States Gypsum Company, Chicago, Ill. Asphalt shingles. Serial No. 454,180; Aug. 8. Class 12.
United States Gypsum Company, Chicago, Ill. Paste paint. Serial No. 458,825; Aug. 8. Class 16.
United States Gypsum Company, Chicago, Ill. Gypsum casting plaster. Serial No. 462,214; Aug. 8. Class 12.
Universal Paper Products Company, Chicago, Ill. Combination room thermometer and human drinking water need indicator. Serial No. 459,095; Aug. 8. Class 26.
Viking Tailless Kite Co., Larchmont, N. Y. Kites, dolls, and cardboard cut-out toys. Serial No. 470,244; Aug. 8. Class 22.
Vogue Optical Mfg. Company, New York, N. Y. Optical frames. Serial Nos. 470,397–8; Aug. 8. Class 26.
Wasserman, Rene D., doing business as Eutectic Welding Alloys Company, New York, N. Y. Metallic welding, brazing and soldering rods, wires, and bars, etc. Serial No. 470,012; Aug. 8. Class 14.
Watkins, J. R., Company, The, Winona, Minn. Medicated gum. Serial No. 469,971; Aug. 8. Class 6.
Welch's Candy, Limited, Los Angeles, Calif. Candies. Serial No. 465,723; Aug. 8. Class 46.
Wella Corporation, The, New York, N. Y. Permanent wave solutions. Serial No. 469,100; Aug. 8. Class 6.
Wilbert Products Co., Inc., The, New York, N. Y. Insect spray. Serial No. 470,217; Aug. 8. Class 6.
Wilbur & Williams Company, The, Boston, Mass. Ready-mixed paints and paint enamels. Serial No. 469,799; Aug. 8. Class 16.
Wilbur & Williams Paint Corporation, Boston, Mass. Paint enamels. Serial No. 464,385; Aug. 8. Class 16.
Woronka, Andrew J., doing business as New England Chemical and Supply Co., Manchester, N. H. Chemical preparation. Serial No. 469,742; Aug. 8. Class 6.
Wyandotte Paint Products Co., Wyandotte, Mich. Back coatings and stop-off insulations. Serial No. 470,164; Aug. 8. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

American Golf Foundation, The, Chicago, Ill. Publications issued from time to time. 408,368; Aug. 8; Serial No. 466,419; published Apr. 18, 1944. Class 38.
American Tissue Mills, Holyoke, Mass. Crêpe paper. 192,496; renewed Dec. 9, 1944.
American Tissue Mills, Holyoke, Mass. Crêpe paper of various colors. 192,497–8; renewed Dec. 9, 1944.
American Tissue Mills, Holyoke, Mass. Crêpe paper. 192,804–5; renewed Dec. 9, 1944.
America's Own Match Company, New York, N. Y. Matches. 408,360–1; Aug. 8; Serial Nos. 465,407–8; published May 30, 1944. Class 9.
Annin & Co., New York, N. Y. Silk piece goods. 192,624; renewed Dec. 9, 1944.
Annin & Co., New York, N. Y. Silk piece goods. 192,703; renewed Dec. 9, 1944.
Armstrong Cork Company, Pittsburgh, to Armstrong Cork Company, Lancaster, Pa. Gaskets, washers, and packing of cork or cork compositions, etc. 189,755; renewed Sept. 23, 1944.
Baird, William M., Chicago, Ill. Refrigerated locker units. 408,451; Aug. 8. Class 31.
Beebe Laboratories, Inc., St. Paul, Minn. Powerful germicide, antiseptic and disinfectant. 408,415; Aug. 8; Serial No. 468,367; published May 23, 1944. Class 6.
Beebe Laboratories, Inc., St. Paul, Minn. Product to inject hypodermically into cattle. 408,416; Aug. 8; Serial No. 468,369; published May 23, 1944. Class 6.
Beiro, John, New York, N. Y. Cigars. 408,417; Aug. 8; Serial No. 468,370; published May 30, 1944. Class 17.
Biggar & Biggar, Inc. (See Biggar-Padgett Company.)
Biggar-Padgett Company, Fort Myers, Fla., by change of name to Biggar & Biggar, Inc. Fresh vegetables. 102,806; renewed Dec. 9, 1944.
Bloom, George H., doing business as The Eldonar Company, New York, N. Y. Calendars. 408,396; Aug. 8; Serial No. 468,107; published May 9, 1944. Class 38.
Brown Manufacturing Co., Le Roy, N. Y. Household liniment. 408,447; Aug. 8. Class 6.
Calling All Girls, Inc., New York, N. Y. Section in a monthly magazine. 408,398; Aug. 8; Serial No. 468,136; published May 9, 1944. Class 38.
Cerex Products. (See Reinsch, Charles.)
Cerophyl Laboratories, Inc., Kansas City, Mo. Vegetable food. 408,435; Aug. 8. Class 46.
Chesapeake and Ohio Railway Company, The, Richmond, Va. Monthly magazine. 408,387; Aug. 8; Serial No. 467,839; published May 2, 1944. Class 38.
Cloud, C. Carey, doing business as Cloudcrest Creations, Chicago, Ill. Paper push out figures. 408,442; Aug. 8. Class 22.
Cloudcrest Creations. (See Cloud, C. Carey.)
Collins, Ashton B., doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y. Circulars, booklets, and printed advertising material. 408,393; Aug. 8; Serial No. 467,961; published May 16, 1944. Class 38.
Colorado Milling & Elevator Co., The, also doing business as The Model Flour Mills, Denver and Greeley, Colo. Wheat flour. 192,797; renewed Dec. 9, 1944.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Electric-circuit controlling devices and parts thereof and accessories therefor. 408,377; Aug. 8; Serial No. 467,310; published May 30, 1944. Class 21.
Congdon, Charles E., doing business as Guadalcanal Products Company, Gowanda, N. Y. General tonic. 408,446; Aug. 8. Class 6.
Cook, David C., Publishing Company, Elgin, Ill. Picture forming cut-out sets. 408,372; Aug. 8; Serial No. 466,784; published Apr. 18, 1944. Class 38.
Copeland & Ryder Company. (See Dodge, Nathan D., Shoe Co.)
Coro, Inc., New York, N. Y. Pearl necklaces, pearls and jewelry. 408,346; Aug. 8; Serial No. 463,166; published May 30, 1944. Class 28.
Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 408,391; Aug. 8; Serial No. 467,915; published May 23, 1944. Class 6.
Crawford-Austin Manufacturing Co., Waco, Tex. Stockmen's bed sheets. 189,821; renewed Sept. 30, 1944.
Crawford-Austin Manufacturing Co., Waco, Tex. Tents and tarpaulins. 190,942; renewed Oct. 28, 1944.
Crawford-Austin Manufacturing Co., Waco, Tex. Cotton-picker sacks. 191,133; renewed Nov. 4, 1944.
Crawford-Austin Manufacturing Co., Waco, Tex. Tarpaulins and tents. 191,516; renewed Nov. 11, 1944.
Crosley Corporation, The, Cincinnati, Ohio. Newspaper column. 408,378; Aug. 8; Serial No. 467,314; published Apr. 18, 1944. Class 38.
Crowell-Collier Publishing Company, The, New York, N. Y. Periodical publication. 408,394; Aug. 8; Serial No. 467,965; published May 9, 1944. Class 38.
Crystal Glo-Roc Co. (See Wulf, Edward E.)
Cunha, M. S., & Co. (See Farm Products Sales Co.)
Curhan, Edward, Gloucester, Maine. Picture post cards, greeting cards, calendars, etc. 408,441; Aug. 8. Class 38.
Dell Publishing Company, Inc., New York, N. Y. Series of small size editions. 408,384; Aug. 8; Serial No. 467,687; published Apr. 18, 1944. Class 38.
Dell Publishing Company, Inc., New York, N. Y. Magazine published monthly. 408,445; Aug. 8. Class 38.
Dental Products Corporation, The, Mannheim, Pa. Compound for making cushion denture liners. 408,438; Aug. 8. Class 44.
Dodge, Nathan D., Shoe Co., Newburyport, Mass., to Copeland & Ryder Company, Jefferson, Wis., successor. Shoes. 187,305; renewed July 29, 1944.
Don's Donut Shop. (See Taft, Donald.)
Dow, Jones & Company, New York, N. Y. Daily newspaper. 408,379; Aug. 8; Serial No. 467,335; published May 16, 1944. Class 38.
Dunham, Carrigan & Hayden Co., San Francisco, Calif. Adzes, hammers, tool handles, etc. 192,783; renewed Dec. 9, 1944.
Dunn, Priscilla H., Columbia, S. C. Radio scripts. 408,371; Aug. 8; Serial No. 466,728; published Apr. 18, 1944. Class 38.
Durham, Alfred D., doing business as Keayp Foods, Pittsburgh, Pa. Food. 408,356; Aug. 8; Serial No. 464,845; published May 30, 1944. Class 46.
Edwards, Wm., Company, The, Cleveland, Ohio. Coffee. 408,426; Aug. 8; Serial No. 468,783; published May 30, 1944. Class 46.
Eisenstadt Manufacturing Company, St. Louis, Mo. Purses, billfolds, hand bags, etc. 408,350; Aug. 8; Serial No. 463,478; published May 23, 1944. Class 3.
Elco Food Products Company. (See Lasry, Elias.)
Eldonar Company, The. (See Bloom, George H.)
Electrical Research Laboratories, Chicago, assignor, by mesne assignments, to Electrical Research Laboratories, Inc., Evanston, Ill. Radio electrical appliances. 185,312–14; renewed June 10, 1944.
Electrical Research Laboratories, Inc. (See Electrical Research Laboratories, assignor.)
Engineering Laboratories, Inc., Tulsa, Okla. Subsurface pressure measuring and recording equipment and apparatus, laboratory testing equipment, etc. 408,357; Aug. 8; Serial No. 464,852; published May 30, 1944. Class 26.
Esquire, Inc., Chicago, Ill. Section or feature in a periodical publication. 408,344; Aug. 8; Serial No. 462,990; published Apr. 25, 1944. Class 38.
Esway Manufacturing and Trading Co. (See Wetterhahn, Siegbert.)
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 408,364; Aug. 8; Serial No. 465,909; published May 2, 1944. Class 38.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 408,419; Aug. 8; Serial No. 468,505; published May 23, 1944. Class 38.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 408,420–2; Aug. 8; Serial Nos. 468,507–9; published May 23, 1944. Class 38.
Factor, Max, doing business as Max Factor & Company, assignor to Max Factor & Co., Los Angeles, Calif. Brilliantine, pomade in salve form, and hair tonic. 192,086; renewed Nov. 25, 1944.
Factor, Max & Co. (See Factor, Max, assignor.)
Factor, Max, & Company. (See Factor, Max.)
Factory Oil Company, The, Akron, assignor to The Standard Oil Company, Cleveland, Ohio. Gasoline, kerosene, and lubricating oils and greases. 190,707–8; renewed Oct. 21, 1944.
Farm Products Sales Co., to M. S. Cunha & Co., Hayward, Calif., successor. Fresh deciduous fruits, fresh vegetables, and dried fruits. 188,276; renewed Aug. 19, 1944.
Filtrol Corporation, Los Angeles, Calif. Chemically treated colloidal clay. 408,408; Aug. 8; Serial No. 468,235; published May 23, 1944. Class 6.
Finkl, A., & Sons Company, Chicago, Ill. Steel forgings. 188,831; renewed Sept. 2, 1944.
Firestone Tire & Rubber Company, The, Akron, Ohio. Wallpaper. 408,430; Aug. 8. Class 37.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, paper towels, etc. 191,202; renewed Nov. 4, 1944.
General Die Stamping Tool Company, New York, N. Y. Electric revolving table. 408,337; Aug. 8; Serial No. 459,993; published May 30, 1944. Class 21.
General Electric X-Ray Corporation, Chicago, Ill. Holders for light sensitive material. 408,452; Aug. 8. Class 26.
Goodrich, B. F., Company, The, New York, N. Y. Hose. 187,768; renewed Aug. 12, 1944.
Goodrich, B. F., Company, The. (See Hood Rubber Company, assignor.)
Gorham Manufacturing Company, Providence, R. I. Metal statuary, memorial tablets, and other memorials in metal. 192,793; renewed Dec. 9, 1944.

Gotham Silk Hosiery Co. Inc., assignor to Gotham Hosiery Company, Inc., New York, N. Y. Understockings, spats and hosiery. 192,741; renewed Dec. 9, 1944.

Gotham Hosiery Company, Inc. (See Gotham Silk Hosiery Co. Inc., assignor.)

Grant, Richard H., San Francisco, assignor to Permanente Cement Company, Oakland, Calif. Fire-proof asbestos-cement composition. 408,348; Aug. 8; Serial No. 463,297; published Mar. 21, 1944. Class 12.

Greene, G. G., Manufacturing Corporation, Warren, Pa. Metal stampings and hardware. 408,334; Aug. 8; Serial No. 443,503; published May 30, 1944. Class 13.

Griffith Laboratories, Inc., The, Chicago, Ill. Imitation cardamon. 408,427; Aug. 8; Serial No. 468,792; published May 30, 1944. Class 46.

Griffith Laboratories, Inc., The, Chicago, Ill. Imitation nutmeg. 408,428; Aug. 8; Serial No. 468,794; published May 30, 1944. Class 46.

Griswold News Service, New York, N. Y. Periodical. 408,381; Aug. 8; Serial No. 467,368; published Apr. 18, 1944. Class 38.

Guadalcanal Products Company. (See Congdon, Charles E.)

Guarascio, Joseph, San Jose, Calif. Laxative preparation. 408,375; Aug. 8; Serial No. 467,153; published May 23, 1944. Class 6.

Hampton Company, Easthampton, Mass. Plied yarns. 408,429; Aug. 8; Serial No. 468,841; published May 23, 1944. Class 43.

Haviland Laboratories, Inc., New York, N. Y. Perfumes, toilet water, bath oil, etc. 408,399; Aug. 8; Serial No. 468,142; published May 23, 1944. Class 6.

Hearst Corporation, The, New York, N. Y. Newspaper section or department. 408,385; Aug. 8; Serial No. 467,758; published May 2, 1944. Class 38.

Hit Parade, Inc., New York, N. Y. Advertising posters. 408,336; Aug. 8; Serial No. 458,864; published May 9, 1944. Class 38.

Hoffman, David, New York, N. Y. Pictures. 408,363; Aug. 8; Serial No. 465,808; published Apr. 18, 1944. Class 38.

Holland, W. F., Agency. (See Holland, William F.)

Holland, William F., doing business as W. F. Holland Agency, Cincinnati, Ohio. Published comic pictures. 408,383; Aug. 8; Serial No. 467,567; published May 9, 1944. Class 38.

Home Canners Cap Corporation, The, Bridgeport, Conn. Caps for glass jars. 408,436; Aug. 8. Class 50.

Hood Rubber Company, Watertown, Mass., assignor, by mesne assignments, to The B. F. Goodrich Company, New York, N. Y. Rubber vehicle tires and tubes. 185,298; renewed June 10, 1944.

Hubach's Products Co., to Charles H. Hubach, doing business as Hubach's Products Co., Tiffin, Ohio, successor. Ice cream, butter, milk, cheese. 192,560; renewed Dec. 9, 1944.

Hugh Nelson-Columbia Carpet Mills, Inc. (See Nelson, Hugh.)

Humboldt Milling Company, Humboldt, Tenn. Wheat flour. 189,899; renewed Sept. 30, 1944.

Ilex Optical Company, Rochester, N. Y. Photographic lenses and photographic lens mountings. 192,451; renewed Dec. 2, 1944.

Imperial Chemical (Pharmaceuticals) Limited, Slough, England. Cetyltrimethylammonium bromide. 408,347; Aug. 8; Serial No. 463,202; published May 23, 1944. Class 6.

Imperial Type Metal Co., Philadelphia, Pa. Type metal. 192,517; renewed Dec. 9, 1944.

Independent Directory Corp., Chicago, Ill. Business and industrial buyers guide classified telephone directory. 408,388; Aug. 8; Serial No. 467,848; published May 23, 1944. Class 38.

Industrial Raw Materials Corporation, New York, N. Y. Wax. 408,409; Aug. 8; Serial No. 468,290; published May 30, 1944. Class 16.

Industrial Raw Materials Corporation, New York, N. Y. Petroleum wax and mineral wax. 408,410; Aug. 8; Serial No. 468,294; published May 30, 1944. Class 15.

Industrial Raw Materials Corporation, New York, N. Y. Wax. 408,411; Aug. 8; Serial No. 468,295; published May 30, 1944. Class 16.

International Society of Christian Endeavor, Boston, Mass. Articles made of precious or semi-precious metals. 408,366; Aug. 8; Serial No. 466,304; published May 30, 1944. Class 28.

Jamison Bedding, Inc. (See Wheeler-Okell Company, assignor.)

Kaplan Rice Mill, Inc., Kaplan, La. Milled rice. 408,430; Aug. 8; Serial No. 468,888; published May 30, 1944. Class 46.

Kasco Mills, Inc., Toledo, Ohio. Fresh domestic rabbit meat. 408,443; Aug. 8. Class 46.

Keayp Foods. (See Durham, A. D.)

Keystone Varnish Company, Brooklyn, N. Y. Paint enamel. 408,423; Aug. 8; Serial No. 468,567; published May 23, 1944. Class 16.

Lasry, Elias, doing business as Elco Food Products Company, New York, N. Y. Canned tuna fish. 408,431; Aug. 8; Serial No. 468,891; published May 30, 1944. Class 46.

Laucks, I. F., Inc., Seattle, Wash. Glue. 408,349; Aug. 8; Serial No. 463,353; published May 30, 1944. Class 5.

Legge, Walter G., Company, Inc., New York, N. Y. Non-slip floor polish. 408,424; Aug. 8; Serial No. 468,573; published May 23, 1944. Class 16.

Legge, Walter G., Company, Inc., New York, N. Y. Non-slip polish. 408,425; Aug. 8; Serial No. 468,574; published May 23, 1944. Class 16.

Levy, Nat, New York, N. Y. Costume jewelry, not including watches. 408,354; Aug. 8; Serial No. 464,345; published May 30, 1944. Class 28.

Lewis, Mears Company, Boston, to Rob't F. Lewis, Inc., Cambridge, Mass., successor. Butter. 186,761; renewed July 22, 1944.

Lewis, Mears Company, Boston, to Rob't F. Lewis, Inc., Cambridge, Mass., successor. Butter, cheese, and eggs. 186,762; renewed July 22, 1944.

Lewis, Rob't F., Inc. (See Lewis, Mears Company.)

Lister-Blackstone, Inc., West Allis, Wis. Portable electric floodlight and searchlight units. 408,339; Aug. 8; Serial No. 461,519; published May 30, 1944. Class 21.

Luft, George W., Co., Inc., The, assignor to The George W. Luft Company, Inc., Long Island City, N. Y. Complexion powder, face lotions and nail polishes. 192,049; renewed Nov. 25, 1944.

Luft, George W., Company, Inc., The. (See Luft, George W., Co., Inc., The, assignor.)

Lustberg Nast & Co., assignor to Lustberg, Nast & Co., Inc., New York, N. Y. Dress and negligee shirts. 185,749; renewed June 24, 1944.

Lustberg, Nast & Co., Inc. (See Lustberg, Nast & Co., assignor.)

Macfadden Publications Inc., New York, N. Y. Peroldical publications. 408,433; Aug. 8. Class 38.

MacMasters, William P., Portland, Oreg. Leaders for fishing lines. 189,553; renewed Sept. 23, 1944.

Mardorn Chemical Corporation, New York, N. Y., to Mardorn Chemical Corporation, Omaha, Nebr. Pyorrhea medicine and preventive, dentifrice, disinfectant, etc. 192,587; renewed Dec. 9, 1944.

Mardorn Chemical Corporation, New York, N. Y., to Mardorn Chemical Corporation, Omaha, Nebr. Mouth wash, gargle, and spray for the nose and throat. 192,588; renewed Dec. 9, 1944.

McCord Radiator & Mfg. Co., Detroit, Mich. Cork gaskets. 192,699; renewed Dec. 9, 1944.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines. 408,353; Aug. 8; Serial No. 464,113; published May 9, 1944. Class 38.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines. 408,444; Aug. 8. Class 38.

Medicated Products Company, Chicago, Ill. Prophylactic rubber articles. 408,389; Aug. 8; Serial No. 467,851; published May 30, 1944. Class 44.

Meinecke & Company, New York, N. Y., to Meinecke & Company, Millville, N. J. Hot-water bags, rubber sheeting, hypodermic syringes, etc. 191,962; renewed Nov. 25, 1944.

Meyer-Heitman, Norwood, Ohio. Card for use in games involving number sequences. 408,351; Aug. 8; Serial No. 463,700; published May 30, 1944. Class 22.

Meyerhoff, Arthur, & Company, Chicago, Ill. Radio script issued periodically. 408,397; Aug. 8; Serial No. 468,119; published May 16, 1944. Class 38.

Model Flour Mills, The. (See Colorado Milling & Elevator Co., The.)

Modern Plastics, Inc., New York, N. Y. Section of a periodical publication. 408,362; Aug. 8; Serial No. 465,463; published Apr. 18, 1944. Class 38.

Modern Plastics, Inc., New York, N. Y. Section of a periodical publication. 408,380; Aug. 8; Serial No. 467,350; published Apr. 18, 1944. Class 38.

National Used Car Market Report, Inc., Chicago, Ill. Periodical publications. 408,356; Aug. 8; Serial No. 467,813; published May 23, 1944. Class 38.

Nelson, Hugh, Columbia Carpet Mills, to Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa., successor. Rugs and carpets. 188,999; renewed Sept. 9, 1944.

New York & Pennsylvania Company, Castanea, Pa., and New York, to New York & Pennsylvania Company, Inc., New York, N. Y. Printing and lithographing paper. 192,500; renewed Dec. 9, 1944.

New York & Pennsylvania Company, Inc. (See New York & Pennsylvania Company.)

Norden Laboratories, Lincoln, Nebr. Veterinary biologics, serums, pharmaceuticals and supplies. 408,340; Aug. 8; Serial No. 462,022; published May 23, 1944. Class 4.

North American Pulp & Paper Corp., New York, N. Y. Paper stock. 408,338; Aug. 8; Serial No. 460,655; published May 30, 1944. Class 37.

Old Fashion Ma's Root Beer Bottling Company, Wilkes-Barre, Pa. Root beer and syrups and extracts. 408,413; Aug. 8; Serial No. 468,348; published May 23, 1944. Class 45.

Omega Machine Company, Kansas City, Mo. Apparatus for visually observing the flow of a gas from a feeding device or the effect thereof. 408,345; Aug. 8; Serial No. 463,027; published May 30, 1944. Class 26.

Pacific National Advertising Agency, Seattle, Wash. News and advisory bulletin. 408,432; Aug. 8; Serial No. 468,967; published May 23, 1944. Class 38.

Parents' Institute, Inc., The, New York, N. Y. Quarterly publication. 408,376; Aug. 8; Serial No. 467,300; published Apr. 18, 1944. Class 38.

Permanente Cement Company. (See Grant, Richard H.)

Physicians' Drug & Supply Co., Philadelphia, Pa. Medicinal preparations. 408,400; Aug. 8; Serial No. 468,156; published May 23, 1944. Class 6.

Polar Fur Dyeing Co. Inc., New York, N. Y. Wallaby fur skins. 408,373; Aug. 8; Serial No. 466,847; published May 30, 1944. Class 1.

"Prodor" Fabrique de Produits Organiques S. A., Geneva, Switzerland, by change of name to Prodorite S. A. Clay, tile and terra-cotta pipes and conduits, columns, struts, etc. 178,204; renewed Jan. 8, 1944.

Prodorite S. A. (See "Prodor" Fabrique de Produits Organiques S. A.)

Puritan Dairy, Inc., Perth Amboy, N. J. Fresh milk and cream. 192,723; renewed Dec. 9, 1944.

Reddy Kilowatt. (See Collins, Ashton B.)

Reinsch, Charles, doing business as Cerex Products, New York, N. Y. Pharmaceutical preparation. 408,370; Aug. 8; Serial No. 466,711; published May 23, 1944. Class 6.

Rempe, Frank G., Oakland, Calif. Type cleaner. 186,335; renewed July 8, 1944.

Revere Copper and Brass Incorporated. (See Taunton-New Bedford Copper Company, assignor.)

Rittenhouse and Sweetland, San Diego, Calif. Chiropractic machines. 192,530; renewed Dec. 9, 1944.

"Robert". (See Robert Enterprises, Inc.)

Robert Enterprises, Inc., doing business as "Robert", New York, N. Y. Perfumes, bath salts, dusting powders, etc. 408,448; Aug. 8. Class 6.

Robinson, Emily B., doing business as L. Robinson & Co., Gillingham, England. Tubular hose clips of metal. 408,343; Aug. 8; Serial No. 462,802; published Nov. 2, 1943. Class 13.

Robinson, L., & Co. (See Robinson, Emily B.)

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, and cordage. 192,727; renewed Dec. 9, 1944.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical preparations. 408,341; Aug. 8; Serial No. 462,126; published Sept. 28, 1943. Class 6.

Shaw, D. Minard, New York, N. Y. Magazine. 408,335; Aug. 8; Serial No. 456,811; published May 2, 1944. Class 38.

Silberkleit, Louis H., New York, N. Y. Bi-monthly publication. 408,440; Aug. 8. Class 38.

Simplex Paper Corporation, Adrian, Mich. Liners formed and shaped for containers. 408,352; Aug. 8; Serial No. 464,071; published May 30, 1944. Class 2.

Southern Woodenware Co. (See Southern Wooden Ware Co.)

Southern Wooden Ware Co., to Southern Woodenware Co., Nashville, Tenn., successor. Paper tablets. 182,933; renewed Apr. 22, 1944.

Spinnerin Yarn Co. Inc., New York, N. Y. Yarn. 408,418; Aug. 8; Serial No. 468,495; published May 23, 1944. Class 43.

Squibb, E. R., & Sons, New York, N. Y. Antibacterial surgical dressings. 408,414; Aug. 8; Serial No. 468,356; published May 23, 1944. Class 6.

Standard Oil Company, The. (See Factory Oil Company, The, assignor.)

Stein, Hall Manufacturing Company, Chicago, Ill. Specially modified starches. 408,390; Aug. 8; Serial No. 467,901; published May 23, 1944. Class 6.

Street & Smith Publications, New York, N. Y. Magazine. 408,401; Aug. 8; Serial No. 468,169; published May 9, 1944. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Cartoon strips and illustrated fictional stories. 408,402–3; Aug. 8; Serial Nos. 468,173–4; published May 16, 1944. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Cartoon strips and illustrated fictional stories. 408,404; Aug. 8; Serial No. 468,176; published May 16, 1944. Class 38.

Sullivan Company, The, Memphis, Tenn. Specially prepared bituminous compound. 408,365; Aug. 8; Serial No. 465,995; published May 30, 1944. Class 12.

Sun Rubber Company, The, Barberton, Ohio. Water bottles, fountain syringes, ice caps, etc. 192,614; renewed Dec. 9, 1944.

Taft, Donald, doing business as Don's Donut Shop, West Springfield Junction, Oreg. Doughnuts. 408,437; Aug. 8. Class 46.

Taunton-New Bedford Copper Company, Taunton, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Sheets of brass or copper etc., castings and forgings. 192,443; renewed Dec. 2, 1944.

Time, Incorporated, New York, N. Y. Weekly magazine. 408,374; Aug. 8; Serial No. 467,140; published Apr. 18, 1944. Class 38.

Traver Corporation, Chicago, Ill. Merchandise envelopes. 408,358; Aug. 8; Serial No. 465,014; published May 30, 1944. Class 2.

Tribune Company, Chicago, Ill. Newspaper column. 408,382; Aug. 8; Serial No. 467,414; published Apr. 18, 1944. Class 38.

Tribune Company, Chicago, Ill. Series of cartoons. 408,392; Aug. 8; Serial No. 467,932; published May 9, 1944. Class 38.

Turner & Walls, assignor, by mesne assignments, to Albert H. Vandam Co., Inc., New York, N. Y. Piece goods of silk, cotton, and mixtures thereof. 192,343; renewed Dec. 2, 1944.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Stuffed playthings and foundation materials. 192,448; renewed Dec. 2, 1944.

United Business Service Company, Boston, Mass. Economics-service publication. 191,414; renewed Nov. 11, 1944.

United Candy Company, assignor to United Drug Company, Boston, Mass. Candy. 185,476; renewed June 17, 1944.

United Drug Company. (See United Candy Company, assignor.)

United Gilsonite Laboratories, Scranton, Pa. Roof paints. 408,342; Aug. 8; Serial No. 462,727; published Oct. 5, 1943. Class 16.

United States Gasket Company, Camden, N. J. Gaskets. 408,367; Aug. 8; Serial No. 466,316; published Feb. 22, 1944. Class 35.

Vandam, Albert H., Co., Inc. (See Turner & Walls, assignor.)

Viavi Company, The, San Francisco, Calif. Concentrated vitamins. 408,369; Aug. 8; Serial No. 466,683; published May 23, 1944. Class 6.

Walter, Theodore, doing business as Theodore Walter Co., New York, N. Y. Genuine pearls, cultured pearls, and simulated pearls. 408,412; Aug. 8; Serial No. 468,313; published May 30, 1944. Class 28.

Walter, Theodore, Co. (See Walter, Theodore.)

Warner, William R., & Co. Inc., Wilmington, Del., and New York, N. Y. Amino acid preparation. 408,405; Aug. 8; Serial No. 468,184; published May 23, 1944. Class 6.

Waterproofing, Incorporated, assignor to Camelo Products Company, Incorporated, Indianapolis, Ind. Cleaners, dressings, preservatives, and waterproofing. 192,754; renewed Dec. 9, 1944.

Weber Bros. Metal Works, Chicago, Ill. Laboratory pulverizing mills, laboratory mashing apparatus. 408,355; Aug. 8; Serial No. 464,836; published May 30, 1944. Class 26.

Wells Manufacturing Corporation, Fond du Lac, Wis. Automotive ignition service parts. 408,450; Aug. 8. Class 21.

West Kentucky Coal Company, Rockleigh, N. J., Earlington, Memphis, and Nashville, Tenn., Louisville, Sturgis, and Paducah, Ky., Chicago, Ill., St. Louis, Mo., and Evansville, Ind. Coal. 408,407; Aug. 8; Serial No. 468,214; published May 30, 1944. Class 1.

Wetterhahn, Siegbert, doing business as Eesway Manufacturing and Trading Co., New York, N. Y. Compacts and vanity cases, billfolds, wallets, etc. 408,406; Aug. 8; Serial No. 468,185; published May 30, 1944. Class 3.

Wheary-Burge Trunk Company, Racine, Wis., by change of name to Wheary, Incorporated. Trunks. 189,727; renewed Sept. 23, 1944.

Wheary, Incorporated. (See Wheary-Burge Trunk Company.)

Wheeler-Okell Company, Wilmington, Del., and Nashville, assignor, by mesne assignments, to Jamison Bedding, Inc., Nashville, Tenn. Beds. 190,656–8; renewed Oct. 21, 1944.

Whitehall, Incorporated, New Haven, Conn. Writing paper and envelopes. 408,395; Aug. 8; Serial No. 468,057; published May 30, 1944. Class 37.

Winter, I. B., & Co., Inc., Chicago, Ill. Plastic cement. 408,359; Aug. 8; Serial No. 465,096; published Feb. 29, 1944. Class 12.

Wood Treating Chemicals Co., St. Louis, Mo. Chemical wood preservatives. 408,449; Aug. 8. Class 6.

Wulf, Edward E., doing business as Crystal Glo-Roc Co., Danville, Kans. Ornamental electric lamps. 408,434; Aug. 8. Class 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. West Kentucky Coal Company. 408,407; Aug. 8; Serial No. 468,214; published May 30, 1944.

Fur skins, Wallaby. Polar Fur Dyeing Co. Inc. 408,373; Aug. 8; Serial No. 466,847; published May 30, 1944.

CLASS 2

Containers, Liners formed and shaped for. Simplex Paper Corporation. 408,352; Aug. 8; Serial No. 464,071; published May 30, 1944.

Envelopes, Merchandise. Traver Corporation. 408,358; Aug. 8; Serial No. 465,014; published May 30, 1944.

Sacks, Cotton-picker. Crawford-Austin Manufacturing Co. 191,133; renewed Nov. 4, 1944.

CLASS 3

Compacts and vanity cases, billfolds, wallets, etc. S. Wetterhahn. 408,406; Aug. 8; Serial No. 468,185; published May 30, 1944.
Purses, billfolds, hand bags, etc. Eisenstadt Manufacturing Company. 408,350; Aug. 8; Serial No. 463,478; published May 23, 1944.
Trunks. Wheary-Burge Trunk Company. 189,727; renewed Sept. 23, 1944.

CLASS 4

Cleaner, Type. Frank G. Rempe. 186,335; renewed July 8, 1944.
Cleaners, dressings, preservatives, and waterproofing. Waterproofing, Incorporated. 192,754; renewed Dec. 9, 1944.

CLASS 5

Glue. I. F. Laucks, Inc. 408,349; Aug. 8; Serial No. 463,353; published May 30, 1944.

CLASS 6

Acid preparations, Amino. William R. Warner & Co. Inc. 408,405; Aug. 8; Serial No. 468,184; published May 23, 1944.
Biologics, serums, pharmaceuticals and supplies, Veterinary. Norden Laboratories. 408,340; Aug. 8; Serial No. 462,022; published May 23, 1944.
Brilliantine, pomade in salve form, and hair tonic. M. Factor. 192,086; renewed Nov. 25, 1944.
Bromide, Cetyltrimethylammonium. Imperial Chemical (Pharmaceuticals) Limited. 408,347; Aug. 8; Serial No. 463,202; published May 23, 1944.
Clay, Chemically treated colloidal. Filtrol Corporation. 408,408; Aug. 8; Serial No. 468,235; published May 23, 1944.
Germicide, antiseptic and disinfectant, Powerful. Beebe Laboratories, Inc. 408,415; Aug. 8; Serial No. 468,367; published May 23, 1944.
Laxative preparation. J. Guarascio. 408,375; Aug. 8; Serial No. 467,153; published May 23, 1944.
Liniment, Household. Brown Manufacturing Co. 408,447; Aug. 8.
Medicinal preparations. Physicians' Drug & Supply Co. 408,400; Aug. 8; Serial No. 468,156; published May 23, 1944.
Medicine and preventive dentifrice, disinfectant, etc., Pyorrhea. Mardorn Chemical Corporation. 192,587; renewed Dec. 9, 1944.
Mouth wash, gargle, and spray for the nose and throat. Mardorn Chemical Corporation. 192,588; renewed Dec. 9, 1944.
Perfumes, bath salts, dusting powders, etc. Robert Enterprises, Inc. 408,448; Aug. 8.
Perfumes, toilet water, bath oil, etc. Haviland Laboratories, Inc. 408,399; Aug. 8; Serial No. 468,142; published May 23, 1944.
Pharmaceutical preparations. C. Reinsch. 408,370; Aug. 8; Serial No. 466,711; published May 23, 1944.
Pharmaceutical preparations. Sharp & Dohme, Incorporated. 408,341; Aug. 8; Serial No. 462,126; published Sept. 23, 1943.
Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 408,391; Aug. 8; Serial No. 467,915; published May 23, 1944.
Powder, face lotions, and nail polishes, Complexion. George W. Luft Co. 192,049; renewed Nov. 25, 1944.
Product to inject hypodermically into cattle. Beebe Laboratories, Inc. 408,416; Aug. 8; Serial No. 468,369; published May 23, 1944.
Starches, Specially modified. Stein, Hall Manufacturing Company. 408,390; Aug. 8; Serial No. 467,901; published May 23, 1944.
Surgical dressings, Antibacterial. E. R. Squibb & Sons. 408,414; Aug. 8; Serial No. 468,356; published May 23, 1944.
Tonic, General. C. E. Congdon. 408,446; Aug. 8.
Vitamins, Concentrated. Vlavi Company. 408,369; Aug. 8; Serial No. 466,683; published May 23, 1944.
Wood preservatives, Chemical. Wood Treating Chemicals Co. 408,449; Aug. 8.

CLASS 7

Twine, rope, string, and cordage. Schermerhorn Bros. Co. 192,727; renewed Dec. 9, 1944.

CLASS 9

Matches. America's Own Match Company. 408,360–1; Aug. 8; Serial Nos. 465,407–8; published May 30, 1944.

CLASS 12

Asbestos-cement composition, Fire-proof. Richard H. Grant. 408,348; Aug. 8; Serial No. 463,297; published Mar. 21, 1944.
Bituminous compound, Specially prepared. Sullivan Company. 408,365; Aug. 8; Serial No. 465,995; published May 30, 1944.
Cement, Plastic. I. B. Winter & Co. 408,359; Aug. 8; Serial No. 465,096; published Feb. 29, 1944.
Pipes and conduits, columns, struts, etc., Clay, tile, and terra-cotta. "Prodor" Fabrique de Produits Organiques S. A. 178,204; renewed Jan. 8, 1944.

CLASS 13

Clips of metal, Tubular hose. E. B. Robinson. 408,343; Aug. 8; Serial No. 462,802; published Nov. 2, 1943.
Metal stampings and hardware. G. G. Greene Manufacturing Corporation. 408,334; Aug. 8; Serial No. 443,503; published May 30, 1944.

CLASS 14

Metal, Type. Imperial Type Metal Co. 192,517; renewed Dec. 9, 1944.
Sheets of brass or copper, etc., castings and forgings. Taunton-New Bedford Copper Company. 192,443; renewed Dec. 2, 1944.
Steel forgings. A. Finkl & Sons Company. 188,831; renewed Sept. 2, 1944.

CLASS 15

Gasoline, kerosene, and lubricating oils and greases. Factory Oil Company. 190,707–8; renewed Oct. 21, 1944.
Wax and mineral wax, Petroleum. Industrial Raw Materials Corporation. 408,410; Aug. 8; Serial No. 468,294; published May 30, 1944.

CLASS 16

Enamel, Paint. Keystone Varnish Company. 408,423; Aug. 8; Serial No. 468,567; published May 23, 1944.
Paints, Roof. United Gilsonite Laboratories. 408,342; Aug. 8; Serial No. 462,727; published Oct. 5, 1943.
Polish, Non-slip. Walter G. Legge Company. 408,425; Aug. 8; Serial No. 468,574; published May 23, 1944.
Polish, Non-slip floor. Walter G. Legge Company. 408,424; Aug. 8; Serial No. 468,573; published May 23, 1944.
Wax. Industrial Raw Materials Corporation. 408,409; Aug. 8; Serial No. 468,290; published May 30, 1944.
Wax. Industrial Raw Materials Corporation. 408,411; Aug. 8; Serial No. 468,295; published May 30, 1944.

CLASS 17

Cigars. J. Beiro. 408,417; Aug. 8; Serial No. 468,370; published May 30, 1944.

CLASS 21

Automotive ignition service parts. Wells Manufacturing Corporation. 408,450; Aug. 8.
Electric-circuit controlling devices and parts thereof and accessories therefor. Colt's Patent Fire Arms Manufacturing Company. 408,377; Aug. 8; Serial No. 467,310; published May 30, 1944.
Electric floodlight and searchlight units, Portable. Lister-Blackstone, Inc. 408,339; Aug. 8; Serial No. 461,519; published May 30, 1944.
Electric lamps, Ornamental. E. E. Wulf. 408,434; renewed Aug. 8, 1944.
Electrical appliances, Radio. Electrical Research Laboratories. 185,312–4; renewed June 10, 1944.
Table, Electric revolving. General Die Stamping Tool Company. 408,337; Aug. 8; Serial No. 459,993; published May 30, 1944.

CLASS 22

Card for use in games involving number sequencies. Meyer-Heltman. 408,351; Aug. 8; Serial No. 463,700; published May 30, 1944.
Leaders for fishing lines. W. P. MacMasters. 189,553; renewed Sept. 23, 1944.
Paper push out figures. C. C. Cloud. 408,442; Aug. 8.
Stuffed playthings and foundation materials. B. Ulmann. 192,448; renewed Dec. 2, 1944.

CLASS 23

Adzes, hammers, tool handles, etc. Dunham, Carrigan & Hayden Co. 192,783; renewed Dec. 9, 1944.

CLASS 26

Apparatus for visually observing the flow of a gas from a feeding device or the effect thereof. Omega Machine Company. 408,345; Aug. 8; Serial No. 463,027; published May 30, 1944.
Holders for light sensitive material. General Electric X-Ray Corporation. 408,452; Aug. 8.
Laboratory pulverising mills, laboratory mashing apparatus. Weber Bros. Metal Works. 408,355; Aug. 8; Serial No. 464,836; published May 30, 1944.
Lenses and photographic lens mountings, Photographic. Ilex Optical Company. 192,451; renewed Dec. 2, 1944.
Pressure measuring and recording equipment and apparatus, laboratory testing equipment, etc., Subsurface. Engineering Laboratories, Inc. 408,357; Aug. 8; Serial No. 464,852; published May 30, 1944.

CLASS 28

Articles made of precious or semi-precious metals. International Society of Christian Endeavor. 408,366; Aug. 8; Serial No. 466,304; published May 30, 1944.
Jewelry, not including watches, Costume. N. Levy. 408,354; Aug. 8; Serial No. 464,345; published May 30, 1944.
Necklaces, pearls, and jewelry, Pearl. Coro, Inc. 408,346; Aug. 8; Serial No. 463,166; published May 30, 1944.
Pearls, cultured pearls, and simulated pearls, Genuine. T. Walter. 408,412; Aug. 8; Serial No. 468,313; published May 30, 1944.

CLASS 31

Locker units, Refrigerated. W. M. Baird. 408,451; Aug. 8.

CLASS 32

Beds. Wheeler-Okell Company. 190,656–8; renewed Oct. 21, 1944.

CLASS 35

Gaskets. United States Gasket Company. 408,367; Aug. 8; Serial No. 466,316; published Feb. 22, 1944.
Gaskets, Cork. McCord Radiator & Mfg. Co. 192,699; renewed Dec. 9, 1944.
Gaskets, washers, and packing of cork or cork composition, etc. Armstrong Cork Company. 189,755; renewed Sept. 23, 1944.
Hose. B. F. Goodrich Company. 187,768; renewed Aug. 12, 1944.
Tires and tubes, Rubber vehicle. Hood Rubber Company. 185,298; renewed June 10, 1944.

CLASS 37

Paper and envelopes, Writing. Whitehall, Incorporated. 408,395; Aug. 8; Serial No. 468,057; published May 30, 1944.
Paper, Crêpe. American Tissue Mills. 192,496; renewed Dec. 9, 1944.
Paper, Crêpe. American Tissue Mills. 192,804–5; renewed Dec. 9, 1944.
Paper of various colors, Crêpe. American Tissue Mills. 192,497–8; renewed Dec. 9, 1944.
Paper, paper napkins, paper towels, etc., Toilet. Fort Howard Paper Company. 191,202; renewed Nov. 4, 1944.
Paper, Printing and lithographing. New York & Pennsylvania Company. 192,500–1; renewed Dec. 9, 1944.
Paper stock. North American Pulp & Paper Corp. 408,338; Aug. 8; Serial No. 460,655; published May 30, 1944.
Tablets, Paper. Southern Wooden Ware Co. 182,933; renewed Apr. 22, 1944.
Wallpaper. Firestone Tire & Rubber Company. 408,439; Aug. 8.

CLASS 38

Advertising posters. Hit Parade, Inc. 408,336; Aug. 8; Serial No. 458,864; published May 9, 1944.
Bulletin, News and advisory. Pacific National Advertising Agency. 408,432; Aug. 8; Serial No. 468,967; published May 23, 1944.
Calendars. G. H. Bloom. 408,396; Aug. 8; Serial No. 468,107; published May 9, 1944.
Cartoon strips and illustrated fictional stories. Street & Smith Publications, Inc. 408,402–3; Aug. 8; Serial Nos. 468,173–4; published May 16, 1944.
Cartoon strips and illustrated fictional stories. Street & Smith Publications, Inc. 408,404; Aug. 8; Serial No. 468,176; published May 16, 1944.
Cartoons, Series of. Tribune Company. 408,392; Aug. 8; Serial No. 467,932; published May 9, 1944.
Circulars, booklets, and printed advertising material. A. B. Collins. 408,393; Aug. 8; Serial No. 467,961; published May 16, 1944.
Column, Magazine. F-R Publishing Corporation. 408,364; Aug. 8; Serial No. 465,909; published May 2, 1944.
Column, Magazine. F-R Publishing Corporation. 408,419; Aug. 8; Serial No. 468,505; published May 23, 1944.
Column, Magazine. F-R Publishing Corporation. 408,420–22; Aug. 8; Serial Nos. 468,507–9; published May 23, 1944.
Comic pictures, Published. W. F. Holland. 408,383; Aug. 8; Serial No. 467,567; published May 9, 1944.
Editions, Series of small size. Dell Publishing Company. 408,384; Aug. 8; Serial No. 467,687; published Apr. 18, 1944.
Magazine. D. M. Shaw. 408,335; Aug. 8; Serial No. 456,811; published May 2, 1944.
Magazine. Street & Smith Publications, Inc. 408,401; Aug. 8; Serial No. 468,169; published May 9, 1944.
Magazine, Monthly. Chesapeake and Ohio Railway Company. 408,387; Aug. 8; Serial No. 467,839; published May 2, 1944.
Magazine published monthly. Dell Publishing Company. 408,445; Aug. 8.
Magazine, Weekly. Time, Incorporated. 408,374; Aug. 8; Serial No. 467,140; published Apr. 18, 1944.
Magazines. McGraw-Hill Publishing Company. 408,333; Aug. 8; Serial No. 464,113; published May 9, 1944.
Magazines. McGraw-Hill Publishing Company. 408,444; Aug. 8.
Newspaper column. Crosley Corporation. 408,378; Aug. 8; Serial No. 467,314; published Apr. 18, 1944.
Newspaper column. Tribune Company. 408,382; Aug. 8; Serial No. 467,414; published Apr. 18, 1944.
Newspaper, Daily. Dow, Jones & Company. 408,379; Aug. 8; Serial No. 467,335; published May 16, 1944.
Newspaper section or department. Hearst Corporation. 408,385; Aug. 8; Serial No. 467,758; published May 2, 1944.
Periodical. Griswold News Service. 408,381; Aug. 8; Serial No. 467,368; published Apr. 18, 1944.
Picture forming cut-out sets. David C. Cook Publishing Company. 408,372; Aug. 8; Serial No. 466,784; published Apr. 18, 1944.
Pictures. D. Hoffman. 408,363; Aug. 8; Serial No. 465,808; published Apr. 18, 1944.
Post cards, greeting cards, calendars, etc., Picture. E. Curhan. 408,441; Aug. 8.
Publication, Bi-monthly. L. H. Silberkleit. 408,440; Aug. 8.
Publication, Economics-service. United Business Service Company. 191,414; renewed Nov. 11, 1944.
Publication, Periodical. Crowell-Collier Publishing Company. 408,394; Aug. 8; Serial No. 467,965; published May 9, 1944.
Publication, Quarterly. Parents' Institute, Inc. 408,376; Aug. 8; Serial No. 467,300; published Apr. 18, 1944.
Publication, Section of a periodical. Modern Plastics, Inc. 408,380; Aug. 8; Serial No. 467,350; published Apr. 18, 1944.
Publications issued from time to time. American Golf Foundation. 408,368; Aug. 8; Serial No. 466,419; published Apr. 18, 1944.
Publications, Periodical. Macfadden Publications Inc. 408,433; Aug. 8.
Publications, Periodical. National Used Car Market Report, Inc. 408,386; Aug. 8; Serial No. 467,813; published May 23, 1944.
Radio scripts. P. H. Dunn. 408,371; Aug. 8; Serial No. 466,728; published Apr. 18, 1944.
Script issued periodically, Radio. Arthur Meyerhoff Company. 408,397; Aug. 8; Serial No. 468,119; published May 16, 1944.
Section in a monthly magazine. Calling All Girls, Inc. 408,398; Aug. 8; Serial No. 468,136; published May 9, 1944.
Section of a periodical publication. Modern Plastics Inc. 408,362; Aug. 8; Serial No. 465,463; published Apr. 18, 1944.
Section or feature in a periodical publication. Esquire, Inc. 408,344; Aug. 8; Serial No. 462,990; published Apr. 25, 1944.
Telephone directory, Business and industrial buyers guide classified. Independent Directory Corp. 408,388; Aug. 8; Serial No. 467,848; published May 23, 1944.

CLASS 39

Shirts, Dress and negligee. Lustberg Nast & Co. 185,749; renewed June 24, 1944.
Shoes, Nathan D. Dodge Shoe Co. 187,305; renewed July 29, 1944.
Understockings, spats, and hosiery. Gotham Silk Hosiery Co. Inc. 192,741; renewed Dec. 9, 1944.

CLASS 42

Piece goods of silk, cotton, and mixtures thereof. Turner & Walls. 192,343; renewed Dec. 2, 1944.
Piece goods, Silk. Annin & Co. 192,624; renewed Dec. 9, 1944.
Rugs and carpets. Hugh Nelson Columbia Carpet Mills. 188,999; renewed Sept. 9, 1944.
Sheets, Stockmen's bed. Crawford-Austin Manufacturing Co. 189,821; renewed Sept. 30, 1944.
Silk piece goods. Annin & Co. 192,703; renewed Dec. 9, 1944.

CLASS 43

Yarn. Spinnerin Yarn Co. Inc. 408,418; Aug. 8; Serial No. 468,495; published May 23, 1944.
Yarns, Plied. Hampton Company. 408,429; Aug. 8; Serial No. 468,841; published May 23, 1944.

CLASS 44

Bags, rubber sheeting, hypodermic syringes, etc., Hot-water. Meinecke & Company. 191,962; renewed Nov. 25, 1944.
Bottles, fountain syringes, ice caps, etc., Water. Sun Rubber Company. 192,614; renewed Dec. 9, 1944.
Chiropractic machines. Rittenhouse and Sweetland. 192,530; renewed Dec. 9, 1944.
Compound for making cushion denture liners. Dental Products Corporation. 408,438; Aug. 8.
Rubber articles, Prophylactic. Medicated Products Company. 408,389; Aug. 8; Serial No. 467,851; published May 30, 1944.

CLASS 45

Beer and syrups and extracts, Root. Old Fashion Ma's Root Beer Bottling Company. 408,413; Aug. 8; Serial No. 468,348; published May 23, 1944.

CLASS 46

Butter. Lewis, Mears Company. 186,761; renewed July 22, 1944.
Butter, cheese, and eggs. Lewis, Mears Company. 186,762; renewed July 22, 1944.
Candy. United Candy Company. 185,476; renewed June 17, 1944.
Canned tuna fish. E. Lasry. 408,431; Aug. 8; Serial No. 468,891; published May 30, 1944.
Cardamon, Imitation. Griffith Laboratories, Inc. 408,427; Aug. 8; Serial No. 468,792; published May 30, 1944.
Coffee. Wm. Edwards Company. 408,426; Aug. 8; Serial No. 468,783; published May 30, 1944.
Doughnuts. D. Taft. 408,437; Aug. 8.
Flour, Wheat. Colorado Milling & Elevator Co. 192,797; renewed Dec. 9, 1944.
Flour, Wheat. Humboldt Milling Company. 189,899; renewed Sept. 30, 1944.
Food. A. D. Durham. 408,356; Aug. 8; Serial No. 464,845; published May 30, 1944.
Food, Vegetable. Cerophyl Laboratories, Inc. 408,435; Aug. 8.
Fruits, fresh vegetables, and dried fruits, Fresh deciduous. Farm Products Sales Co. 188,276; renewed Aug. 14, 1944.
Ice cream, butter, milk, cheese. Hubach's Products Co. 192,560; renewed Dec. 9, 1944.
Meat, Fresh domestic rabbit. Kasco Mills, Inc. 408,443; Aug. 8.
Milk and cream, Fresh. Puritan Dairy, Inc. 192,723; renewed Dec. 9, 1944.
Nutmeg, Imitation. Griffith Laboratories, Inc. 408,428; Aug. 8; Serial No. 468,794; published May 30, 1944.
Rice, Milled. Kaplan Rice Mill, Inc. 408,430; Aug. 8; Serial No. 468,888; published May 30, 1944.
Vegetables, Fresh. Biggar-Padgett Company. 192,806; renewed Dec. 9, 1944.

CLASS 50

Caps for glass jars. Home Canners Cap Corporation. 408,436; Aug. 8.
Statuary, memorial tablets, and other memorials in metal, Metal. Gorham Manufacturing Company. 192,793; renewed Dec. 9, 1944.
Tarpaulins and tents. Crawford-Austin Manufacturing Co. 191,516; renewed Nov. 11, 1944.
Tents and tarpaulins. Crawford-Austin Manufacturing Co. 190,942; renewed Oct. 28, 1944.

LIST OF PLANT PATENTEES

Howard, Frederick H., Montebello, Calif. Rose plant. 636; Aug. 8.

Howard, Frederick H., Montebello, Calif. Rose plant. 637; Aug. 8.

LIST OF DESIGN PATENTEES

Basser, Irene, and G. Pins, New York, N. Y. Lady's handbag. 138,449; Aug. 8.
Bell Telephone Laboratories, Incorporated. (See Merrill, V. A., and Terry, assignors.)
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,455; Aug. 8.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,456; Aug. 8.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,457; Aug. 8.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,458; Aug. 8.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,459; Aug. 8.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,460; Aug. 8.
Burton, William, assignor to United Wall Paper Factories, Inc., Chicago, Ill. Wallpaper border or similar article. 138,461; Aug. 8.
Butler Manufacturing Company. (See Clark, Elmer F., assignor.)
Butler Manufacturing Company. (See Van Scoy, K. E., and Todd, assignors.)
Call, Andy F., San Francisco, CaHf. Vehicle for children. 138,468; Aug. 8.
Clark, Elmer F., assignor to Butler Manufacturing Company, Kansas City, Mo. Implement shed. 138,436; Aug. 8.
Colonial Mfg. Co. (See Gantwarg, Charles. assignor.)
Diehl, William, Summit, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Watch band or article of similar nature. 138,450; Aug. 8.
Eichman, Ellis V., Brownsville, Tex. Airplane. 138,469; Aug. 8.
Erickson, Emil H., assignor to Safticycles, Inc., La Crosse, Wis. Motorcycle. 138,470; Aug. 8.
Etched Products Corporation. (See Smoleroff, Henry J., assignor.)
Gantwarg, Charles, assignor to Colonial Mfg. Co., Inc., New York, N. Y. Finger ring. 138,471; Aug. 8.
Gerson, Samuel L., Bridgeton, N. J. Candy box. 138,472; Aug. 8.
Golden, Zelma, New York, N. Y. Dress. 138,480; Aug. 8.
Golden, Zelma, New York, N. Y. Dress. 138,481; Aug. 8.
Golden, Zelma, New York, N. Y. Dress. 138,482; Aug. 8.
Golden, Zelma, New York, N. Y. Dress. 138,483; Aug. 8.
Golden, Zelma, New York, N. Y. Dress. 138,484; Aug. 8.
Hagedorn, Martha M., Gresham, Oreg. Towel cabinet or similar article. 138,434; Aug. 8.
Hirsch, Mano, New York, N. Y. Toy pistol. 138,485; Aug. 8.
Hirsch, Mano, New York, N. Y. Toy pistol. 138,486; Aug. 8.
Jaffa, William, Minneapolis, Minn. Dust pan. 138,435; Aug. 8.
Karoff, Robert B., New York, N. Y. Bottle. 138,451; Aug. 8.
Karoff, Robert B., New York, N. Y. Combined bottle and holder or similar article. 138,452; Aug. 8.
Krauss, Robert C., Brooklyn, assignor to F. A. Ringler Co., New York, N. Y. Leather or similar article. 138,462; Aug. 8.
Kreisler, Jacques, Manufacturing Corporation. (See Diehl, William, assignor.)
Lamb, Clyde K., Cleveland, Ohio. Lamp supporting attachment structure for chimneys and the like. 138,473; Aug. 8.
Lindblad, Allan P., Winchester, Mass. Communion cup tray. 138,433; Aug. 8.
Link, Richard A., assignor to The L. A. Young Company, Grand Rapids, Mich. Golf club head. 138,437; Aug. 8.
Link, Richard A., assignor to The L. A. Young Company, Grand Rapids, Mich. Golf club head. 138,438; Aug. 8.
Link, Richard A., assignor to The L. A. Young Company, Grand Rapids, Mich. Golf club putter head. 138,439; Aug. 8.
Link, Richard A., assignor to The L. A. Young Company, Grand Rapids, Mich. Golf club head. 138,440; Aug. 8.
Link, Richard A., assignor to The L. A. Young Company, Grand Rapids, Mich. Golf club head. 138,441; Aug. 8.
Link, Richard A., assignor to The L. A. Young Company, Grand Rapids, Mich. Golf club head. 138,442; Aug. 8.
Lionel Corporation, The. (See Peruggi, Ernesto, assignor.)
Loomis, Aal, Santa Barbara, Calif. Washboard. 138,453; Aug. 8.
Merrill, Virginia A., New York, and N. S. Terry, Freeport, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telecommunication substation set. 138,474; Aug. 8.
Peruggi, Ernesto, Brooklyn, assignor to The Lionel Corporation, New York, N. Y. Toy animal figure. 138,463; Aug. 8.
Peruggi, Ernesto, Brooklyn, assignor to The Lionel Corporation, New York, N. Y. Toy animal figure. 138,464; Aug. 8.
Peruggi, Ernesto, Brooklyn, assignor to The Lionel Corporation, New York, N. Y. Toy animal figure. 138,465; Aug. 8.
Peruggi, Ernesto, Brooklyn, assignor to The Lionel Corporation, New York, N. Y. Toy animal figure. 138,466; Aug. 8.
Peruggi, Ernesto, Brooklyn, assignor to The Lionel Corporation, New York, N. Y. Rocker toy. 138,475; Aug. 8.
Peruggi, Ernesto, Brooklyn, assignor to The Lionel Corporation, New York, N. Y. Toy animal figure. 138,476; Aug. 8.
Peruggi, Ernesto, Brooklyn, assignor to The Lionel Corporation, New York, N. Y. Rocker toy. 138,477; Aug. 8.
Petzke, Franklin J., Minneapolis, Minn. Shoe scraper. 138,454; Aug. 8.
Pins, Gertrude. (See Basser, I., and Pins.)
Pollard, Lloyd E., Los Angeles, Calif. Toy. 138,443; Aug. 8.
Richter, Frank F., Amelia Mount Holly, Ohio. Toy airplane. 138,478; Aug. 8.
Ringler, F. A. Co. (See Krauss, Robert, assignor.)
Rotheraine, Jerome H., Philadelphia, Pa. Garment hanger. 138,432; Aug. 8.
Safticycles, Inc. (See Erickson, Emil H., assignor.)
Samek, Emil, New Rochelle, assignor to Tailored Silk Undergarment Co., Inc., New York, N. Y. Slip. 138,467; Aug. 8.
Smoleroff, Henry J., New York, assignor to Etched Products Corporation, Long Island City, N. Y. Calendar watch case. 138,444; Aug. 8.
Spiers, Nell M., Chicago, Ill. Doll. 138,445; Aug. 8.
Spiers, Nell M., Chicago, Ill. Doll. 138,446; Aug. 8.
Stahl, Harold H., New York, N. Y. Dress. 138,487; Aug. 8.
Tailored Silk Undergarment Co. (See Samek, Emil, assignor.)
Terry, Noah S. (See Merrill, V. A., and Terry.)
Todd, Floyd B. (See Van Scoy, K. E., and Todd.)
United Wall Paper Factories, Inc. (See Burton, William, assignor.)
Van Scoy, Kenneth E., and F. B. Todd, assignors to Butler Manufacturing Company, Kansas City, Mo. Airplane hangar. 138,447; Aug. 8.
Vincenzo, Louise, Hartford, Conn. Dress. 138,479; Aug. 8.
Young, L. A., Company, The. (See Link, Richard A., assignor.)
Youngquist, Harry L., San Antonio, Tex. Teething ring. 138,448; Aug. 8.
Zahn, Samuel, New York, N. Y. Dress. 138,488; Aug. 8.
Zahn, Samuel, New York, N. Y. Dress. 138,489; Aug. 8.
Zahn, Samuel, New York, N. Y. Dress. 138,490; Aug. 8.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Ravenscroft, E. A., and Jordan, assignors.)
Abramson, Hugo, Eskilstuna, and C. Eckers, Stockholm, Sweden, assignors to American Gas Accumulator Company, Elizabeth, N. J. Light sensitive device. 2,355,256; Aug. 8.
Acton Bolt and Fine Threads Limited. (See Affleck, Theodore K., assignor.)
Adams, Harold W., and E. S. Kleinhans, assignors to Douglas Aircraft Company, Incorporated, Santa Monica, Calif. Hydraulic power transmission system. 2,355,357; Aug. 8.
Adel Precision Products Corp. (See Morehouse, Eugene M., assignor.)
Adel Precision Products Corp. (See Schmidt, Benjamin F., assignor.)
Adlam, Thomas N., West Orange, N. J., assignor to Sarco Company, Inc., New York, N. Y. Thermostatically controlled valve. 2,355,043; Aug. 8.
Affleck, Theodore K., assignor to Acton Bolt and Fine Threads, Limited, London, England. Thread-rolling tool or appliance. 2,355,132; Aug. 8.
Agriculture of the United States of America, Claude R. Wickard, and his successors in office, Secretary of. (See Rehberg, C. E., and Fisher, assignors.)
Air-Way Electric Appliance Corporation. (See Nuffer, J. H., and Latta, assignors.)
Akin, Hughlon, Sr., Jackson, Tenn. Sectional bolt. 2,355,498; Aug. 8.
Akron Standard Mold Company. (See Carter, William J., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Meyerhans, A., and Hartmann, assignors.)
Alexander, Donald F., Oakwood, and J. R. Hornaday and A. J. Kuhn, assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,355,040; Aug. 8.
Alien Property Custodian. (See Barthelemy, Rene.)
Alien Property Custodian. (See Bernhardt, E. O., and Bischoff.)
Alien Property Custodian. (See Dichter, Jakob.)
Alien Property Custodian. (See Michael, W., Gohre, Free, von Fuener, and Schneider.)
Alien Property Custodian. (See Petersen, S., and Taube.)
Alien Property Custodian. (See Tischer, Max.)
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Indication apparatus. 2,355,499; Aug. 8.
Almgren, August E., Hillside, N. J., assignors to American Can Company, New York, N. Y. Container. 2,355,044; Aug. 8.
AlnCin, Inc. (See Walker, Victor, assignor.)
American Arch Company. (See Siegel, Chester A., assignor.)
American Bosch Corporation. (See Erickson, Theodore A., assignor.)
American Can Company. (See Almgren, August E., assignor.)
American Can Company. (See Erb, G. C., and Reese, assignors.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Jones, Lyman L., assignor.)
American Can Company. (See Le Frank, John D., assignor.)
American Can Company. (See Nordquist, Ronald E. J., assignor.)
American Can Company. (See Reese, Garland W., assignor.)
American Can Company. (See White, Richard J., assignor.)
American Cyanamid Company. (See Jayne, D. W., Jr., and Day, assignors.)
American Cyanamid Company. (See Shepard, S. W., and Magielnicki, assignors.)
American Gas Accumulator Company. (See Abramson, H., and Eckers, assignors.)
American Laundry Machinery Company, The. (See Preston, John E., assignor.)
American Lecithin Company. (See Eichberg, Joseph, assignor.)
American Optical Company. (See Bernheim, Daniel P., assignor.)
American Optical Company. (See Carlson, George W., assignor.)
American Rolling Mill Company, The. (See Shafer, George E., assignor.)
American Steel and Wire Company, The. (See Harter, Noah S., assignor.)
American Steel Foundries. (See Tack, Carl E., assignor.)

American Steel Foundries. (See Tack, C. E., and Helsten, assignors.)
American Stove Company. (See Moecker, H., Jr., and Lotter, assignors.)
Anchor Hocking Glass Corporation. (See Stover, Harry E., assignor.)
Anderson, Albert & J. M., Manufacturing Company. (See Johanson, Herman, assignor.)
Anderson, Frank W., Hinsdale, Ill., assignor to The Philip Carey Manufacturing Company. Blowing machine. 2,355,358; Aug. 8.
Anderson, Robert G., Erie, Pa., assignor to General Electric Company. Vehicle drive. 2,355,409; Aug. 8.
Anderson, Swan F., Rockford, Ill. Confection packaging machine. 2,355,500; Aug. 8.
Andros, Charles H. (See Horton, K. W., and Andros.)
Anthony, Herman R. C., and H. G. Friang, Madison, assignors to Marathon Battery Company, Wausau, Wis. Battery construction. 2,355,197; Aug. 8.
Armitage, Joseph B. (See Kearney, E. J., Armitage, and Pohl.)
Armour and Company. (See McCorkle, Miles R., assignor.)
Armour and Company. (See Young, Hobart P., Jr., assignor.)
Arnold, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Car heater ventilator connection. 2,355,501; Aug. 8.
Arvey Corporation. (See Newton, Walter H., assignor.)
Ascote, Inc. (See Davis, Willis G., assignor.)
Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,355,133; Aug. 8.
Atlas Powder Company. (See Holst, William H., assignor.)
Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,355,198; Aug. 8.
Audet, Herbert R., Springfield, Mass. Blank firing safety attachment. 2,355,045; Aug. 8.
Automatic Canteen Company of America. (See Doggett, Leo W., assignor.)
Automatic Electric Laboratories, Inc. (See Gillings, C., and Murray, assignors.)
Automatic Electric Laboratories, Inc. (See Horlacher, Albert F., assignor.)
Automatic Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Automatic Electric Laboratories, Inc. (See Willis, Bernard D., assignor.)
Baak, Albert E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heat motor. 2,355,041; Aug. 8.
Badertscher, Darwin E., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,355,257; Aug. 8.
Bainbridge, William C., Brooklyn, N. Y., and F. J. Hope, Teaneck, N. J., assignors to H. Kohnstamm & Co. Inc., New York, N. Y. Fluorescein and halogenated fluorescein dye acids. 2,355,359; Aug. 8.
Baldwin Locomotive Works, The. (See Fawcett, Thomas H., assignor.)
Bancroft, Charles C., Reno, Nev., and J. W. Frain, New Orleans, La.; said Frain assignor to said Bancroft. Method of and apparatus for cleaning subterranean wells. 2,355,259; Aug. 8.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Printing plate clamp. 2,355,134; Aug. 8.
Barthelemy, René, Fontenay aux Roses, France; vested in the Alien Property Custodian. Synchronizing apparatus for cathode-ray oscillographs. 2,355,135; Aug. 8.
Barton, Loy E., Collingswood, N. J., assignor to Radio Corporation of America. Signal indicator and recorder. 2,355,502; Aug. 8.
Bassinger, Ross, Houston, Tex. Well plug. 2,355,199; Aug. 8.
Beardsley & Piper Company, The. (See Clay, Murray G., assignor.)
Bechik, Michael, St. Paul, Minn. Handle for mattresses and cushions. 2,355,200; Aug. 8.
Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Camera device. 2,355,136; Aug. 8.
Behlmer, Henry B., assignor to Line Material Company, South Milwaukee, Wis. Electromagnetic device. 2,355,137; Aug. 8.
Bell, Marguerite N., Minneapolis, Minn. Sleeping garment. 2,355,138; Aug. 8.
Bell Telephone Laboratories, Incorporated. (See Dehn, Joseph W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Goddard, Myron C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Walsh, John G., assignor.)
Bellamy, John L., Brookfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Lockout telephone line circuit. 2,355,139; Aug. 8.
Beliuche, Frank R., assignor to The Christensen Machine Company, Racine, Wis. Printing press. 2,355,046; Aug. 8.
Bendix Aviation Corporation. (See Burnett, Richard T., assignor.)
Bendix Aviation Corporation. (See Kurzina, Stanley B., Jr., assignor.)
Bendix Aviation Corporation. (See MacBlane, James, assignor.)
Bendix Aviation Corporation. (See Pontius, George W., III, assignor.)
Bennett, Joseph A., assignor to Lynch Corporation, Anderson, Ind. Nonlinear modulating system. 2,355,047; Aug. 8.
Bergel, Franz, Welwyn Garden City, assignor to Roche Products Limited, Welwyn Garden City, Hertfordshire, England. Bromination of ketones. 2,355,410; Aug. 8.
Bernhardt, Eugen O., and W. Bischoff, Jena, Germany; vested in the Alien Property Custodian. Hardness testing instrument. 2,355,411; Aug. 8.
Bernheim, Daniel P., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,355,048; Aug. 8.
Bertsch, Heinrich, Rabenstein, near Chemnitz, Germany, assignor, by mesne assignments, to The Hydronapthene Corporation, Wilmington, Del. Sulphated amide wetting, detergent, and sudsing agents. 2,355,503; Aug. 8.
Beyer, Fred W. (See Thoma, W. F., and Beyer.)
Biggs, Orrick H., Beverly, and J. L. Cox, Danvers, Mass., assignors to Sylvania Electric Products Inc. Ultraviolet fluorescent lamp. 2,355,258; Aug. 8.
Billings, John H., Merion Golf Heights, Pa. Coupler. 2,355,042; Aug. 8.
Bird, Homer M., Maunee, Ohio. Ventilator shutter. 2,355,412; Aug. 8.
Birdsall, Robert E., Detroit, Mich. Quick-release holder. 2,355,049; Aug. 8.
Bischoff, Werner. (See Bernhardt, E. O., and Bischoff.)
Bishop, Henry M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph system. 2,355,504; Aug. 8.
Blackstone, Selwyn R., Madison, Wis. Coin packer. 2,355,201; Aug. 8.
Blau, Henry H., Elmira, assignor to Corning Glass Works, Corning, N. Y. Construction block and manufacture. 2,355,262; Aug. 8.
Bloomberg, David J., Newton, Mass., assignor to General Electric Company. Elastic fluid turbine blading. 2,355,413; Aug. 8.
Bloomfield, Sam, Wichita, Kans. Drilling unit for jigs or the like. 2,355,263; Aug. 8.
Bloomfield, Sam, Wichita, Kans. Windshield for motor vehicles. 2,355,264; Aug. 8.
Bludworth, Joseph E., Cumberland, Md., assignor to Celanese Corporation of America. Separation of aldehyde-ketone mixtures. 2,355,140; Aug. 8.
Bock, Louis H., Huntingdon Valley, and A. L. Houk, assignors to Röhm & Haas Company, Philadelphia, Pa. Textile materials. 2,355,265; Aug. 8.
Boese, Albert B., Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. N-acyl-n-alkanol aromatic amines. 2,355,141; Aug. 8.
Bombardier, Joseph A., Valcourt, Quebec, Canada. Traction device. 2,355,266; Aug. 8.
Boorstin, Henry. (See Proulx, Leo R., assignor.)
Borchardt, Lester F., and W. Brastad, Minneapolis, Minn., assignors to General Mills, Inc. Vaporizing device. 2,355,414; Aug. 8.
Borton, George W., Philadelphia, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Crushing machinery. 2,355,050; Aug. 8.
Boucher, Charles P., Fostoria, Ohio, and A. E. Noble, Verona, N. J., assignors to Boucher Inventions, Ltd. Fluorescent tube system and apparatus. 2,355,360; Aug. 8.
Boucher Inventions, Ltd. (See Boucher, C. P., and Noble, assignors.)
Boylan, Henry W., Flint, assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 2,355,267; Aug. 8.
Brandt, David G., Westfield, N. J., assignor to Cities Service Oil Company, New York, N. Y. Extraction of hydrocarbons from natural gas. 2,355,588; Aug. 8.
Brandt, David G., Westfield, N. J., assignor to Cities Service Oil Company, New York, N. Y. Recovery of light hydrocarbons. 2,355,589; Aug. 8.
Brastad, William. (See Borchardt, L. F., and Brastad.)
Braucher, Harvey M., Baltimore, Md. Bulged can detector. 2,355,051; Aug. 8.
Bray, John L., La Fayette, and R. E. Howard, West Lafayette, assignors to Purdue Research Foundation, La Fayette, Ind. Electrodeposition of bright zinc. 2,355,505; Aug. 8.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Oil pilot with supplemental air supply. 2,355,416; Aug. 8.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Liquid fuel burner and thermal control valve therefor. 2,355,417; Aug. 8.
Breese, James L., Santa Fe, N. Mex., and M. D. Huston, Chicago, Ill., assignors to Oil Devices, Santa Fe, N. Mex. Two-level liquid fuel burner. 2,355,418; Aug. 8.
Breese, James L., and B. Hayter, assignors to Oil Devices, Santa Fe, N. Mex. Forced draft unit for oil burners. 2,355,415; Aug. 8.
Brewster Aeronautical Corporation. (See Eddy, Edwyn A., assignor.)
Bridge, David, & Company, Limited. (See Brown, Joseph, assignor.)
Brooksbank, Arthur, Toronto, Ontario, Canada. Writing pad equipment. 2,355,506; Aug. 8.
Brown, Earl H., near Sheffield, Ala., assignor to Tennessee Valley Authority. Apparatus for measuring steam-gas ratio. 2,355,052; Aug. 8.
Brown Instrument Company, The. (See Jones, Harry S., assignor.)
Brown, John H., Wakefield, Mich. Safety device. 2,355,361; Aug. 8.
Brown, Joseph, assignor to David Bridge & Company Limited, Castleton, Rochdale, England. Bearings for rolling mills, mixers, and calenders. 2,355,507; Aug. 8.
Brown Paper Mill Company, The. (See McDonald, Manuel C., assignor.)
Bruce, Donald S., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Composite brake lining. 2,355,419; Aug. 8.
Bryant Electric Company, The. (See Hodgkins, Charles H., assignor.)
Bryant Electric Company, The. (See Smith, E. M., and Steegstra, assignors.)
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Photographic recording machines. 2,355,268; Aug. 8.
Budd Induction Heating, Inc. (See Somes, Howard E., assignor.)
Bulmer, William C., Aspinwall, assignor to Reliance Steel Products Company, McKeesport, Pa. Furnace door. 2,355,142; Aug. 8.
Burgess Battery Company. (See Nelson, G. H., and MacFarland, assignors.)
Burgess, Everett H. (See Van Vulpen, J., and Burgess.)
Burnett, Richard T., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,355,143; Aug. 8.
Busi, Mario, assignor to The Silver Globe Corporation, New York, N. Y. Dry cleaning system. 2,355,508; Aug. 8.
Cahoon, Edward F. (See Lauder, W. A., and Cahoon.)
Cairns, Robert W., assignor to Hercules Powder Company, Wilmington, Del. Blasting explosive. 2,355,269; Aug. 8.
Campbell, Donald J., Spring Lake, Mich. Method and apparatus for removing sulphur and phosphorus from molten metals. 2,355,362; Aug. 8.
Campbell, Julian A., Long Beach, Calif. Boiler feed water control. 2,355,270; Aug. 8.
Cape, Arthur T., Santa Cruz, Calif., assignor to Coast Metals, Inc., Canton, Ohio. Ferrous alloy. 2,355,271; Aug. 8.
Carbide and Carbon Chemicals Corporation. (See Boese, Albert B., Jr., assignor.)
Carbide and Carbon Chemicals Corporation. (See Kratz, Edouard M., assignor.)
Cardwell, Harland W., assignor to Cardwell Manufacturing Company, Inc., Wichita, Kans. Power take-off. 2,355,272; Aug. 8.
Cardwell Manufacturing Company. (See Cardwell, Harland W., assignor.)
Carey, Philip, Manufacturing Company, The. (See Anderson, Frank W., assignor.)
Carlson, Bert G., Erieside, assignor to Jack & Heints, Inc., Bedford, Ohio. Self-aligning gear assembly. 2,355,144; Aug. 8.
Carlson, Chester F., Jackson Heights, N. Y., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Welding apparatus. 2,355,145; Aug. 8.
Carlson, George W., Minneapolis, Minn., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,355,053; Aug. 8.
Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Testing carbon black. 2,355,146; Aug. 8.
Carpenter, Otto W., Jr., special administrator. (See Kearney, E. J.)
Carpenter, Samuel C., Jr. (See Rickus, G. M., Hoffman, Carpenter, and Harris.)
Carpenter Steel Company, The. (See Luerssen, G. V., and Post, assignors.)
Carr, Richard H., Evanston, assignor, by mesne assignments, to A. M. Rossman, Wilmette, Ill. Pull rod carrier. 2,355,054; Aug. 8.
Carter, William J., assignor, by mesne assignments, to Akron Standard Mold Company, Akron, Ohio. Press. 2,355,420; Aug. 8.
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Overload release clutch. 2,355,202; Aug. 8.

Case, Robert W., Warrens, Wis. Berry picking machine. 2,355,273; Aug. 8.

Castiglia, Biagis, New York, N. Y., assignor to Wheel Aligning Necessities, Inc. Wheel suspension. 2,355,274; Aug. 8.

Cawein, Madison, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Artificial antenna. 2,355,275; Aug. 8.

Celanese Corporation of America. (See Bludworth, Joseph E. assignor.)

Champion Spark Plug Company. (See Jeffery, Joseph A., assignor.)

Change-A-Blade Corporation. (See Cohn, Maurice L., assignor.)

Chazanow, Sydney S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbon gases. 2,355,147; Aug. 8.

Cheney Weeder Company. (See Miller, Oscar E., assignor.)

Chicago Pneumatic Tool Company. (See Fischer, H. R., and Roberts, assignors.)

Chill-Quick Corporation. (See Daun, Carl L., assignor.)

Christaldi, Peter S., Wood-Ridge, assignor to Allen B. DuMont Laboratories, Inc., Passaic, N. J. Cathode-ray ignition analyzer. 2,355,363; Aug. 8.

Christensen Machine Company, The. (See Belluche, Frank B., assignor.)

Christiansen, Andrew L., Willowbrook, Calif. Fish beheading machine. 2,355,509; Aug. 8.

Cities Service Oil Company. (See Brandt, David G., assignor.)

Clare, C. P., and Co. (See Clare, Carl P., assignor.)

Clare, Carl P., Arlington Heights, assignor to C. P. Clare and Co., Chicago, Ill. Electric relay system. 2,355,055; Aug. 8.

Clay, Murray G., assignor to The Beardsley & Piper Company, Chicago, Ill. Electrically propelled truck. 2,355,148; Aug. 8.

Cleveland Container Company, The. (See Douglas, Morris D., assignor.)

Clewell, Dayton H., and H. A. Maeder, Dallas, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gravity meter. 2,355,421; Aug. 8.

Coast Metals, Inc. (See Cape, Arthur T., assignor.)

Cobb, Leland D., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Top roll. 2,355,510; Aug. 8.

Cobb, Leland D., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Top roll. 2,355,511; Aug. 8.

Cohn, Maurice L., assignor to Change-A-Blade Corporation, New York, N. Y. Scissor. 2,355,364; Aug. 8.

Cole, Allen T., Lakeland, Fla., assignor, by meane assignments, to Minerals Separation North American Corporation, New York, N. Y. Concentration of sylvinite ores. 2,355,365; Aug. 8.

Cole, Edward L., Beacon, assignor to The Texas Company, New York, N. Y. Separation of solids from mixtures of solids and liquids. 2,355,203; Aug. 8.

Coleman, Roy E., Chicago, Ill., assignor to Time Incorporated. Preparation of zein solutions directly from gluten. 2,355,056; Aug. 8.

Columbus McKinnon Chain Corporation. (See Parker, Humphrey F., assignor.)

Colvin-Slocum Boats, Inc. (See Slocum, Henry M., assignor.)

Conn, Miller W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytically desulphurizing hydrocarbon oil. 2,355,366; Aug. 8.

Consolidated Aircraft Corporation. (See Smith, Frank M., assignor.)

Contratto, Lorenz, Sisikon, Switzerland. Machine for manufacturing splints for matches. 2,355,512; Aug. 8.

Cooper, Hugh S., assignor of one-half to F. H. Wilson, Cleveland, Ohio. Producing anhydrous $MgCl_2$. 2,355,367; Aug. 8.

Copeland, Norman A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for deaerating viscose compositions. 2,355,057; Aug. 8.

Corning Glass Works. (See Blau, Henry H., assignor.)

Corning Glass Works. (See Pond, Leander N., assignor.)

Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)

Couse, Kibbey W., Newark, N. J. Automotive vehicle rut filler and antiskid structure. 2,355,204; Aug. 8.

Cox, James L. (See Biggs, O. H., and Cox.)

Cox, Nellie L., administratrix. (See Cox, Percy.)

Cox, Percy, deceased, Keston Park, England; N. L. Cox, administratrix. Explosively actuated apparatus for perforating submerged or other articles. 2,355,513; Aug. 8.

Crandell, Dean D., assignor to National Gypsum Company, Buffalo, N. Y. Manufacture of set stabilized plaster. 2,355,058; Aug. 8.

Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)

Crosby, Howard M., Schenectady, N. Y., assignor to General Electric Company. Modulating system. 3,255,422; Aug. 8.

Cudini, Roger G., Birmingham, Mich. Burring machine. 2,355,601; Aug. 8.

Curtin, Leonard S. (See Quinn, E., and Curtin.)

Curtiss-Wright Corporation. (See Linkner, Edward H., assignor.)

Curtiss-Wright Corporation. (See Trimbach, Clem G., assignor.)

Cutler-Hammer, Inc. (See Newman, John M., assignor.)

Cutler-Hammer, Inc. (See Radley, G. R., and Seeger, assignors.)

Cypser, Hugo F. (See Wheelock, J. H., and Cypser.)

D'Alello, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Triazine derivatives. 2,355,423; Aug. 8.

Dammann, Karl, Trenton, N. J., assignor to Paterson Parchment Paper Company, Bristol, Pa. Manufacture of composite products. 2,355,424; Aug. 8.

Daniels, Lee C., assignor to Sam Moore & Co., Cleveland, Ohio. Brake. 2,355,425; Aug. 8.

Danley, Gail L., Denver, Colo. Door check and closer. 2,355,276; Aug. 8.

Daub, Rudolph, Paterson, N. J., assignor to Wright Aeronautical Corporation. Internal-combustion engine. 2,355,277; Aug. 8.

Daun, Carl L., Milwaukee, Wis., assignor to Chill-Quick Corporation. Faucet for dispensing carbonated beverages. 2,355,205; Aug. 8.

Davidson, Samuel O., Jr., assignor to National Paper Box Co., Kansas City, Mo. Folding food serving box. 2,355,206; Aug. 8.

Davis, Willis G., Pompton Plains, N. J., assignor to Ascote, Inc., Garwood, N. J. Apparatus for coating or saturating materials. 2,355,278; Aug. 8.

Davison, Gordon W. (See Phinney, R. M., and Davison.)

Day, Harold M. (See Jayne, D. W., Jr., and Day.)

Dayton Rogers Manufacturing Co. (See Peterson, Roswald, assignor.)

Deane, Henry N., and A. E. Rockwood, assignors to Simplex Time Recorder Co., Gardner, Mass. Type wheels and driving mechanism therefor. 2,355,514; Aug. 8.

Dearmley, George. (See Harris, R. W., and Dearsley.)

De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Warning light and test button. 2,355,149; Aug. 8.

Dehn, Joseph W., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,355,207; Aug. 8.

Deitz, Louis S., Jr., Westfield, N. J., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Smelting tin-containing materials. 2,355,515; Aug. 8.

Derham, Philip A., and J. H. Newport, Jr., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Decorative container cap. 2,355,583; Aug. 8.

De Simone, Michele G., Stapleton, Staten Island, N. Y. Pressure sterilizer and cooker. 2,355,150; Aug. 8.

Detroit Lubricator Company. (See Boylan, Henry W., assignor.)

Detroit Lubricator Company. (See Weber, Walter H., assignor.)

Detrola Corporation. (See Stewart, Arthur W., assignor.)

Detwiler, John B., Mimico, Ontario, Canada. Water-tube boiler. 2,355,279; Aug. 8.

Devol, George C., and H. Langstroth, Greenwich, Conn., assignor to Maguire Industries, Incorporated. Motor-generator. 2,355,208; Aug. 8.

Dévot, André J., Newton, assignor to Tobe Deutschmann Corporation, Canton, Mass. Electric filter. 2,355,516; Aug. 8.

De Weese, Herbert F., Lincoln, Nebr. Airplane flight indicator. 2,355,517; Aug. 8.

Dichter, Jakob, Berlin-Schoneberg, Germany; vested in the Alien Property Custodian. Sorting machine. 2,355,280; Aug. 8.

Dickinson, Arthur H., Bronxville, assignor to International Business Machines Corporation. Transmission system for statistical data. 2,355,281; Aug. 8.

Dickinson, Arthur H., Bronxville, assignor to International Business Machines Corporation, New York, N. Y. Transmission system for statistical data. 2,355,282; Aug. 8.

Di Frasso, Dorothy. (See Hamilton, Thomas S., assignor.)

Dippel, Cornelis J. (See Schoonenberg, P., Hardenberg, and Dippel.)

Di Rubbio, Antonio, Brooklyn, N. Y. Cigarette holder and butt ejector. 2,355,368; Aug. 8.

Diss, Alma M. S., Seattle, Wash. Face mask. 2,355,283; Aug. 8.

Doggett, Leo W., Chicago, Ill., assignor to Automatic Canteen Company of America. Cup chamber door assembly for beverage vending machines. 2,355,426; Aug. 8.

Dolan, Harry. (See Rosenstein, A., and Dolan.)

Dostal & Lowey Co. (See Read, Philip C., assignor.)

Douglas Aircraft Company. (See Adams, H. W., and Kleinhans, assignors.)

Douglas, Morris D., Willoughby, assignor to The Cleveland Container Company, Cleveland, Ohio. Tubular container. 2,355,584; Aug. 8.

Dow Chemical Company, The. (See Morell, L., and Knutson, assignors.)

Dow Chemical Company, The. (See Perkins, Ralph P., assignor.)

Dow, John, Lakewood, Ohio. Changeable sign. 2,355,518; Aug. 8.

Duffield, William A., Windsor, Ontario, assignor to Windfields, Limited, Montreal, Quebec, Canada. Five-speed transmission. 2,355,427; Aug. 8.

DuMont, Allen B., Laboratories, Inc. (See Christaldi, Peter S., assignor.)

Dunbar, Daniel E., Jr. (See Dunbar, Eva W., and D. E.)

Dunbar, Eva W., and D. E., Jr., Atlanta, Ga. Incendiary bomb snuffer and carrier. 2,355,428; Aug. 8.

Dunham Company, The. (See Dunham, Ray E., assignor.)

Dunham, Ray E., assignor to The Dunham Company, Berea, Ohio. Cultivator. 2,355,519; Aug. 8.

Du Pont, E. I., de Nemours & Company. (See Copeland, Norman A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Schreiber, R. S., and Werntz, assignors.)

Du Pont, E. I., de Nemours & Company. (See Walker, Joseph F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Zwilgmeyer, Frithjof, assignor.)

Dwoyer, Leon C., Linden, N. J. Surgical instrument. 2,355,209; Aug. 8.

Eash, John T., Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Production of cast iron. 2,355,059; Aug. 8.

Eastman, Elwell, Portland, Oreg. Life preserver and swimming-aid device. 2,355,060; Aug. 8.

Eaton Manufacturing Company. (See Findley, Howard J., assignor.)

Eckers, Carl. (See Abramson, H., and Eckers.)

Eckert, Leon L., et al. (See Swarr, Samuel V., Sr., assignor.)

Eckert, Sue M., et al. (See Swarr, Samuel V., Sr., assignor.)

Eddy, Edwyn A., Stewart Manor, Long Island, assignor to Brewster Aeronautical Corporation, Long Island City, N. Y. Airplane retractible tail wheel or skid mount. 2,355,210; Aug. 8.

Edison, John S., Burbank, Calif. Typewriter margin justifier. 2,355,284; Aug. 8.

Edison, Thomas A., Incorporated. (See Bishop, Henry M., assignor.)

Edison, Thomas A., Incorporated. (See Fritzinger, George H., assignor.)

Eichberg, Joseph, Great Neck, N. Y., assignor to American Lecithin Company, Cleveland, Ohio. Turpentine composition and making. 2,355,061; Aug. 8.

Enterprise Manufacturing Company, The. (See Khoenle, Herman F., assignor.)

Erb, George C., Forest Hills, West, and G. W. Reese, Chappaqua, assignors to American Can Company, New York, N. Y. Container. 2,355,062; Aug. 8.

Erickson, Helmer E. (See Talboys, H. H., and Erickson.)

Erickson, Theodore A., assignor to American Bosch Corporation, Springfield, Mass. Contact opening indicator for ignition generators. 2,355,211; Aug. 8.

Ericsson, Gustaf L., Traneberg, Sweden. Locking device for screw joints. 2,355,285; Aug. 8.

Eugene Dietzgen Co. (See Halstead, Laban R., assignor.)

Farnsworth, Philo T., Fryeburg, Maine, assignor to Farnsworth Television and Radio Corporation. Image reproducing device. 2,355,212; Aug. 8.

Farnsworth Television and Radio Corporation. (See Cawein, Madison, assignor.)

Farnsworth Television and Radio Corporation. (See Farnsworth, Philo T., assignor.)

Fawcett, Thomas H., Philadelphia, Pa., assignor to The Baldwin Locomotive Works. Firebox syphon. 2,355,590; Aug. 8.

Fenwick, John O. (See Lehman, E. J., Wiegand, and Fenwick.)

Finch, Telecommunications, Inc. (See Finch, William G. H., assignor.)

Finch, William G. H., Newton, Conn., assignor to Finch Telecommunications, Inc., Passaic, N. J. Multistylus facsimile recorder. 2,355,369; Aug. 8.

Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Automobile body heater. 2,355,151; Aug. 8.

Fink, Charles F., assignor to Trimble & Fink Mfg. Co., Inc., Baltimore, Md. Drill bushing. 2,355,286; Aug. 8.

Firestone, Floyd A., Ann Arbor, Mich. Singing and speaking machine. 2,355,287; Aug. 8.

Fischer, Howard R., and J. A. Roberts, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Compression riveter. 2,355,520; Aug. 8.

Fisher, Charles H. (See Rehberg, C. E., and Fisher.)

Flanagan, James J., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Portable conveyer. 2,355,213; Aug. 8.

Flaxman, Marcellus T., Inglewood, assignor to Union Oil Company of California, Los Angeles, Calif. Flushing oils. 2,355,591; Aug. 8.

Fletcher, James, Swindon, England. Timepiece. 2,355,429; Aug. 8.

Flohr, Henry, Jr., Encampment, Wyo. Guard plate for mowers. 2,355,063; Aug. 8.

Flood, Walter H., Chicago, Ill. Delineated area. 2,355,430; Aug. 8.

Frain, John William. (See Bancroft, C. C., and Frain.)

Free, Gerhard. (See Michael, W., Gohre, Free, von Fuener, and Schneider.)

Freundlich, Albert, assignor to Spiral Binding Company, Inc., New York, N. Y. Bookbinder. 2,355,214; Aug. 8.

Frey, Christopher J., Forest Hills, N. Y. Engine mount. 2,355,370; Aug. 8.

Friang, Henry G. (See Anthony, H. R. C., and Friang.)

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Process and apparatus for making hollow rivets. 2,355,064; Aug. 8.

Fritzinger, George H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Nonspill vent means. 2,355,288; Aug. 8.

Furbach, John H., Amarillo, Tex. Stop watch mechanism. 2,355,371; Aug. 8.

Furman, Frank J. (See Mills, A. W., Rabenda, Furman, and Keough.)

Ganz, Géza, London, England. Preparation of artificial masses. 2,355,521; Aug. 8.

Garbe, Howard W., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 2,355,522; Aug. 8.

Gardner, Herbert F., assignor to Stein, Hall Manufacturing Company, Chicago, Ill. Paper coating. 2,355,065; Aug. 8.

Garlock, Frederick G., Chicago, Ill., and J. R. Mull, Gary, Ind., assignors to General American Transportation Corporation, Chicago, Ill. Bolster center brace. 2,355,524; Aug. 8.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Chain breaker. 2,355,523; Aug. 8.

Gas Machinery Company, The. (See Harmon, Benjamin G., assignor.)

Gaylord Container Corporation. (See William, B. M., and Rushing, assignors.)

Gaynor, Edwin G. (See Knudsen, Knud, assignor.)

General American Transportation Corporation. (See Garlock, F. G., and Mull, assignors.)

General Electric Company. (See Anderson, Robert G., assignor.)

General Electric Company. (See Bloomberg, David J., assignor.)

General Electric Company. (See Crosby, Howard M., assignor.)

General Electric Company. (See D'Alello, G. F., and Underwood, assignors.)

General Electric Company. (See Howard, Alan, assignor.)

General Electric Company. (See Livington, Orrin W., assignor.)

General Electric Company. (See Mares, Virgil L., assignor.)

General Electric Company. (See McPhilomy, Richard C., assignor.)

General Electric Company. (See Root, Charles S., assignor.)

General Electric Company. (See Rouault, Charles L., assignor.)

General Electric Company. (See Suits, Chauncey G., assignor.)

General Electric Company. (See Teker, John W., assignor.)

General Mills, Inc. (See Borchardt, L. F., and Brastad, assignors.)

General Motors Corporation. (See Alexander, D. F., Hornaday, and Kuhn, assignors.)

General Motors Corporation. (See Cobb, Leland D., assignor.)

General Motors Corporation. (See Gibson, J. Lowell, assignor.)

General Panel Corporation. (See Wachsmann, K. L., and Gropius, assignors.)

General Railway Signal Company. (See Phinney, R. M., and Davison, assignors.)

General Railway Signal Company. (See Scheg, Marcian A., assignor.)

General Railway Signal Company. (See Willing, Joseph E., assignor.)

General Steel Castings Corporation. (See Pflager, Harry M., assignor.)

Gibson, J. Lowell, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,355,289; Aug. 8.

Giesler, Blanche K., Washington, D. C. Infant's crib and the like. 2,355,525; Aug. 8.

Gillings, Charles, and L. J. Murray, Liverpool, England, assignors, by meane assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone or like system. 2,355,431; Aug. 8.

Glassine Paper Company, The. (See Nelson, R. F., and Tuttle, assignors.)

Glidden Company, The. (See Julian, P. L., and Meyer, assignors.)

Gloucester Research Corporation. (See Vucassovich, Michel P., assignor.)

Goddard, Charles T., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron discharge device and assembly thereof. 2,355,432; Aug. 8.

Goddard, Myron C., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,355,215; Aug. 8.

Gohre, Otto. (See Michael, W., Gohre, Free, von Fuener, and Schneider.)

Gold, Nathan, Portland, Oreg. Neck scarf. 2,355,290; Aug. 8.

Goldfield, Edwin R., University Heights, R. S. Schiring, Cleveland, and R. J. Stava, East Cleveland, assignors to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Mobile unit with foreign body localiser. 2,355,066; Aug. 8.

Goldsmith Bros. Smelting & Refining Company. (See Goldsmith, Melvin M., assignor.)

Goldsmith, Melvin M., Chicago, Ill., assignor to Goldsmith Bros. Smelting & Refining Company. Brazing solder. 2,355,067; Aug. 8.

Goldstein, Isidore, Brooklyn, N. Y. Slide fastener. 2,355,152; Aug. 8.

Goldstine, Hallan E., Rocky Point, N. Y., assignor to Radio Corporation of America. Wave length modulation circuit. 2,355,433; Aug. 8.

Gomersall, John E., assignor to McGraw Electric Company, Elgin, Ill. Electric toaster. 2,355,153; Aug. 8.

Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)

Goodman Manufacturing Company. (See Holstein, John H., assignor.)

Goodman Manufacturing Company. (See Linkowski, Hermann, assignor.)

Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)

Goodrich, B. F., Company, The. (See Leguillon, Charles W., assignor.)

Gore, Frank M. (See Kolleda, Delmar, assignor.)

Goudreau, Delphus, Northbridge, Mass. Dual cross communion set. 2,355,154; Aug. 8.

Graves, Edward B., South Euclid, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Metering device for x-ray apparatus. 2,355,068; Aug. 8.

Green, Walter H., Chicago, Ill., assignor to Infilco Incorporated. Liquid treating apparatus and process. 2,355,069; Aug. 8.

Greenfield, Mildred, Bronx, N. Y. Handbag or the like. 2,355,155; Aug. 8.

Gropius, Walter. (See Wachsmann, K. L., and Gropius.)

Guelson, Stanley S., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Pilot burner. 2,355,216; Aug. 8.

Gundlach, Theodore J., Belleville, Ill. Cloth-spreading machine. 2,355,526; Aug. 8.

Haddad, Elie, Royal Oak, Mich. Grinding wheel forming and dressing means. 2,355,372; Aug. 8.

Haensel, Vladimir. (See Ipatieff, V. N., and Haensel.)

Haines, Wilfred J. M., Oxshott, England. Metallic element for reinforcing concrete. 2,355,156; Aug. 8.

Halstead, Laban R., assignor to Eugene Dietzgen Co., Chicago, Ill. Beam compass. 2,355,585; Aug. 8.

Hamann, William, Irondequoit, and R. H. Weller, Rochester, N. Y., assignors to United Shoe Machinery Corporation, Flemington, N. J. Edge setting machine. 2,355,217; Aug. 8.

Hamilton, Thomas S., assignor to D. Di Frasso, Beverly Hills, Calif. Purifying hydrocarbon liquids. 2,355,291; Aug. 8.

Hankison, Lewis E., Dormont, Pa. Apparatus for filtering and dehydrating fluids. 2,355,373; Aug. 8.

Hannah, Daniel. (See Strope, Alva L., assignor.)

Hanson, Benjamin R., Dayton, Ohio, assignor to The Sherwin-Williams Company. Coated fabric and application. 2,355,157; Aug. 8.

Hardenberg, Jan J. (See Schoonenberg, P., Hardenberg, and Dippel.)

Harford, Charles G., Quincy, Mass., assignor to A. D. Little, Inc. Electrolytic deposition of metal. 2,355,070; Aug. 8.

Harmon, Benjamin G., assignor to The Gas Machinery Company, Cleveland, Ohio. Rotary nosing-in furnace. 2,355,527; Aug. 8.

Harper, William D., Wellesley, Mass. Vehicle body support. 2,355,528; Aug. 8.

Harris, Richard W., and G. Dearsley, Deptford, London, assignors to Molines Machine Company Limited, London, England. Apparatus for feeding tapered articles. 2,355,158; Aug. 8.

Harris, Warren W. (See Rickus, G. M., Hoffman, Carpenter, and Harris.)

Harter, Noah S., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Wire fabric loom. 2,355,159; Aug. 8.

Harter, Robert L., assignor to Trabon Engineering Corporation, Cleveland, Ohio. Hydraulic operator. 2,355,434; Aug. 8.

Hartford National Bank and Trust Company. (See Schoonenberg, P., Hardenberg, and Dippel, assignors.)

Hartmann, Hans. (See Meyerhans, A., and Hartmann.)

Harvey, Beatrice M. and H. B., Brookline, Pa. Thread spool. 2,355,435; Aug. 8.

Harvey, Henry B. (See Harvey, Beatrice M. and H. B.)

Hat Corporation of America. (See Rickus, G. M., Hoffman, Carpenter, and Harris, assignors.)

Hawley, John F., Riverside, Ill. Proofing apparatus and process. 2,355,529; Aug. 8.

Hawley, John F., Riverside, Ill. Proofing process. 2,355,530; Aug. 8.

Hayter, Bruce, assignor to Oil Devices, Santa Fe, N. Mex. Thermally responsive control switch for liquid fuel lines. 2,355,436; Aug. 8.

Hayter, Bruce. (See Breese, J. L., and Hayter.)

Heiss, Henry A. (See Ohlinger, L. A., and Heiss.)

Helsten, Wesley A. (See Tack, C. E., and Helsten.)

Hem, Halvor W., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,355,292; Aug. 8.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,355,293; Aug. 8.

Hendrickson, Fred K., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Sliver can motion. 2,355,071; Aug. 8.

Heptinstall, Dennis L., Bristol, England. Register translator or like device. 2,355,437; Aug. 8.

Herbert, Charles C., San Jose, Calif. Concentrating table. 2,355,374; Aug. 8.

Herbert, Charles C., San Jose, Calif. Ore concentrator. 2,355,375; Aug. 8.

Herbster, George, Cleveland, Ohio. Ventilator. 2,355,294; Aug. 8.

Hercules Powder Company. (See Cairns, Robert W., assignor.)

Hodge, Robert J. (See Roberts, R. R., Russell, and Hodge.)

Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Fluorescent lamp starter. 2,355,438; Aug. 8.

Hodsdon, Sumner M., Ludlow, Mass. Snow handling apparatus. 2,355,160; Aug. 8.

Hoffman, Abe L. (See Love, J. T., and Hoffman.)

Hoffman, Stanley G. (See Rickus, G. M., Hoffman, Carpenter, and Harris.)

Holinaty, William, New Westminster, British Columbia, Canada. Tire pressure indicator. 2,355,295; Aug. 8.

Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom for weaving ladder tapes. 2,355,531; Aug. 8.

Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weaving ladder tapes. 2,355,532; Aug. 8.

Holmes, Gifford I., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner control system. 2,355,296; Aug. 8.

Holst, William H., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Cellulose ester compositions. 2,355,533; Aug. 8.

Holstein, Frank F., Capitol View, Md. Magnifying attachment for rules. 2,355,161; Aug. 8.

Holstein, John H., Chevy Chase, Md., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading device. 2,355,534; Aug. 8.

Holt, Albert C., Oradell, N. J., assignor to International Business Machines Corporation, New York, N. Y. Perforating apparatus. 2,355,297; Aug. 8.

Honegger, John A., assignor to Specialties Manufacturing Company, Inc., Bloomfield, N. J. Multiple toolholder for lathes. 2,355,072; Aug. 8.

Hoover Company, The. (See Snyder, Eugene I., assignor.)

Hope, Frederick J. (See Bainbridge, W. C., and Hope.)

Horlacher, Albert F., Genoa, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Sound translating device. 2,355,298; Aug. 8.

Hornaday, James R. (See Alexander, D. F., Hornaday, and Kuhn.)

Horton, Kenneth W., De Freestville, and C. H. Andros, Nassau, N. Y. Rivet. 2,355,439; Aug. 8.

Horvitz, Benjamin, et al. (See Levesque, Theodore J., assignor.)

Hospital Supply Company, The. (See Skaller, Hans G., assignor.)

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Packaging milk. 2,355,073; Aug. 8.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container closure. 2,355,074; Aug. 8.

Houk, Alva L. (See Bock, L. H., and Houk.)

Hovey, Sewall M., White Plains, N. Y. Control mechanism for commercial laundry washing machines. 2,355,162; Aug. 8.

Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Piping arrangement. 2,355,440; Aug. 8.

Howard, Frank A., Elizabeth, N. J. Propulsive unit. 2,355,218; Aug. 8.

Howard, Robert E. (See Bray, J. L., and Howard.)

Huddleston, Julian, Clovis, and E. W. Simpson, Friant, Calif. Concrete-form structure. 2,355,376; Aug. 8.

Hufnagel, Andrew, Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,355,535; Aug. 8.

Huntley, Robert F. (See Wilcox, I. L., and Huntley.)

Hustad, Hugo R., New York, N. Y. Attaching means for closures. 2,355,377; Aug. 8.

Huston, Milton D. (See Breese, J. L., and Huston.)

Hydronapthene Corporation, The. (See Bertsch, Heinrich, assignor.)

Hydronapthene Corporation, The. (See Schirm, Erik, assignor.)

I. T. E. Circuit Breaker Compahy. (See Jensen, Otto, assignor.)

Industrial Fabricators Inc. (See Miller, S. H., Jenkins, and McGuire, assignors.)

Infilco Incorporated. (See Green, Walter H., assignor.)

International Business Machines Corporation. See Bryce, James W., assignor.)

International Business Machines Corporation. (See Dickinson, Arthur H., assignor.)

International Business Machines Corporation. (See Holt, Albert C., assignor.)

International Business Machines Corporation. (See Johnson, Reynold B., assignor.)

International Business Machines Corporation. (See Miles, A. W., Rabenda, Furman, and Keough, assignors.)

International Business Machines Corporation. (See Palmer, James H., assignor.)

International Nickel Company, The. (See Eash, John T., assignor.)

International Nickel Company, The. (See Wise, Edmund M., assignor.)

Ipatieff, Vladimir N., and V. Haensel, Riverside, Ill., assignors to Universal Oil Products Company. Hydrogenation of aryl carboxylic acids. 2,355,219; Aug. 8.

Jack & Heintz, Inc. (See Carlson, Bert G., assignor.)

Jackson, John G., assignor to Square D Company, Detroit, Mich. Spark plug. 2,355,163; Aug. 8.

Jacob, Thomas H., Wausau, Wis. Combination trailer. 2,355,441; Aug. 8.

Jacobs, Arthur, Newark, N. J. Detachable toilet seat and cover. 2,355,378; Aug. 8.

Jaseph, Lawrence F., assignor to Rotary Lift Company, Memphis, Tenn. Elevator control. 2,355,164; Aug. 8.

Jayne, David W., Jr., Old Greenwich, and H. M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Producing amine alcohol esters. 2,355,442; Aug. 8.

Jeffery, Joseph A., Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio. Sealing spark plug electrodes in ceramic insulators. 2,355,443; Aug. 8.

Jenkins, Gordon L. (See Miller, S. H., Jenkins, and McGuire.)

Jenness, Langdon M., Chicago, Ill. Ventilator apparatus. 2,355,536; Aug. 8.

Jensen, Otto, Glenside, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker operating mechanism. 2,355,075; Aug. 8.

Jerman, George C., assignor to V. E. and A. Sprouse, Columbus, Ind., doing business as V. E. Sprouse Company. Safety hose clamp. 2,355,165; Aug. 8.

Johanson, Herman, Brookline, assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass. Cable clamping means. 2,355,166; Aug. 8.

Johns-Manville Corporation. (See Bruce, Donald S., assignor.)

Johns-Manville Corporation. (See Lucius, William I., assignor.)

Johnson, Alfred C., Santa Clara, Calif. Multiple piston engine. 2,355,379; Aug. 8.

Johnson, Harley R., Tulsa, Okla. Treatment of hydrocarbons. 2,355,076; Aug. 8.

Johnson, Harley R., Tulsa, Okla. Treatment of hydrocarbons. 2,355,077; Aug. 8.

Johnson, Harley R., Tulsa, Okla. Treatment of hydrocarbons. 2,355,078; Aug. 8.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record card container. 2,355,299; Aug. 8.

Johnstone, Theodore H., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Keyhole cover and assembly. 2,355,300; Aug. 8.

Jones, Harry S., Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,355,537; Aug. 8.

Jones, Lyman L., Seattle, Wash., assignor to American Can Company, New York, N. Y. Sheet slitting machine. 2,355,079; Aug. 8.

Jordan, Robert E. (See Ravenscroft, E. A., and Jordan.)

Julian, Percy L., Maywood, and E. W. Meyer, Evanston, Ill., assignors to The Glidden Company, Cleveland, Ohio. Preparation of a phosphatide composition. 2,355,081; Aug. 8.

Junkins, John N., near Sheffield, Ala., assignor to Tennessee Valley Authority. Burner. 2,355,080; Aug. 8.

Karavia, Sophie S., New York, N. Y. Combination lock. 2,355,301; Aug. 8.

Kaufman, Henri H., New York, and R. G. Segschneider, Yonkers, N. Y. Hat brim flanging machine. 2,355,380; Aug. 8.

Kearney, Edward J., deceased, Wauwatosa, by O. W. Carpenter, Jr., Fox Point, special administrator; J. B. Armitage, Wauwatosa, Wis., and W. M. Pohn, Washington, D. C., assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 2,355,082; Aug. 8.

Kearney & Trecker Corporation. (See Kearney, E. J., Armitage, and Pohl, assignors.)

Kearney & Trecker Corporation. (See Parsons, Fred A., assignor.)

Keith, Percival C., Peapack, assignor to The M. W. Kellogg Company, Jersey City, N. J. Recovery of hydrocarbons. 2,355,167; Aug. 8.

Kellogg, M. W., Company, The. (See Keith, Percival C., assignor.)

Kellogg Switchboard and Supply Company. (See Bellamy, John I., assignor.)

Kenny, William J., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding apparatus. 2,355,444; Aug. 8.

Keough, Edward J. (See Mills, A. W., Rabenda, Furman, and Keough.)

Keresztesy, John C., Westfield, and E. Rickes, assignors to Merck & Co., Inc., Rahway, N. J. Production of riboflavin from fermentation residues. 2,355,220; Aug. 8.

Kboenle, Herman F., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 2,355,445; Aug. 8.

King, Woods. (See Raney, William E., assignor.)

Kirchner, Richard G., San Diego, Calif. Surfboard. 2,355,302; Aug. 8.

Kleinhans, Earl S. (See Adams, H. W., and Kleinhans.)

Knight, Ralph F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Cleaning hides and skins. 2,355,221; Aug. 8.

Knudsen, Knud, Danbury, assignor to E. G. Gaynor, Fairfield, Conn. Push button switch construction. 2,355,303; Aug. 8.

Knutson, Amos T. (See Morell, L., and Knutson.)

Kobe, Inc. (See Mestas, Ricardo, assignor.)

Koch, Walter F., Jacksonville, Fla. World globe. 2,355,304; Aug. 8.

Koenig, Edgar A., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mill scale settling tank. 2,355,305; Aug. 8.

Koevort, Leslie A., Overport, Durban, Natal, Union of South Africa. Power-transmission means for motor vehicles. 2,355,306; Aug. 8.

Kohnstamm, H., & Co. Inc. (See Bainbridge, W. C., and Hope, assignors.)

Kolleda, Delmar, assignor to F. M. Gore, Marion, Ohio. Grading machine. 2,355,131; Aug. 8.

Komarewsky, Vasili I., and L. A. Mekler, assignors to Universal Oil Products Company, Chicago, Ill. Aluminum chloride treatment of hydrocarbon oils. 2,355,446; Aug. 8.

Kors, Henry F., Chicago, Ill. Piecrust trimming ring. 2,355,307; Aug. 8.

Kosich, Dimitri K., Hales Corners, Wis. Aircraft destroyer. 2,355,447; Aug. 8.

Kosmin, Milton, Vanburen Township, Montgomery County, Ohio, assignor to Monsanto Chemical Company. Surface-active agent. 2,355,592; Aug. 8.

Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company. 2-phenyl, 4-hydroxy aniline and compositions thereof. 2,355,593; Aug. 8.

Kratz, Edouard M., Gary, Ind., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Band leveling apparatus. 2,355,448; Aug. 8.

Krim, Norman B., Cambridge, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electrode assembly for discharge tubes. 2,355,083; Aug. 8.

Kubovcik, Joseph J., San Francisco, Calif. Sock lining. 2,355,168; Aug. 8.

Kuhlik, Hattie B. (See Kuhlik, Jacob M., assignor.)

Kuhlik, Jacob M., assignor to H. B. Kuhlik, Brooklyn, N. Y. Film reel. 2,355,594; Aug. 8.

Kuhn, Albert J. (See Alexander, D. F., Hornaday, and Kuhn.)

Kurrle, Christian, Dayton, Ohio. Collapsible fuel tank. 2,355,084; Aug. 8.

Kurzina, Stanley B., Jr., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Making backpedaling brakes for velocipedes. 2,355,308; Aug. 8.

Lakin, John W., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Outside door handle assembly. 2,355,449; Aug. 8.

Landmeier, Edwin W., assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Fuse clamping means. 2,355,085; Aug. 8.

Lane Company, The. (See Loftin, Grady A., assignor.)

Lane, Edwin H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coil winding apparatus. 2,355,538; Aug. 8.

Lang, Walter B., Washington, D. C. Marine salvage device. 2,355,086; Aug. 8.

Lange, Frederick E., Lincoln, Nebr., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric switch. 2,355,222; Aug. 8.

Lange, Frederick E., Lincoln, Nebr., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic burner control system. 2,355,309; Aug. 8.

Langos, Alfred F. (See Langos, Otto A., assignor.)

Langos, Harold L. (See Langos, Otto A., assignor.)

Langos, Louis A. (See Langos, Otto A., assignor.)

Langos, Matilda R. (See Langos, Otto A., assignor.)

Langos, Otto A., assignor to A. F., O. E., H. L., L. A., and M. R. Langos, partners, doing business as Langson Manufacturing Co., Chicago, Ill. Paper breaking gun. 2,355,595; Aug. 8.

Langos, Otto E. (See Langos, Otto A., assignor.)

Langson Manufacturing Co. (See Langos, Otto A.)

Langstroth, Hall. (See Devol, G. C., and Langstroth.)

Lansdowne Steel & Iron Company. (See Layton, L., and Shertz, assignors.)

Latta, Lynn H. (See Nuffer, J. H., and Latta.)

Lauder, Wallace A., Closter, and E. F. Cahoon, Tenafly, N. J., assignors to Telautograph Corporation, New York, N. Y. Telescriber. 2,355,087; Aug. 8.

Lavoie, Stephen D., Long Beach, N. J. Pressure indicator. 2,355,088; Aug. 8.

Lawton, George, Highgate, London, England. Apparatus for conching chocolate. 2,355,539; Aug. 8.

Layton, Le Roy, Lansdowne, and E. W. Shertz, Upper Darby, assignors to Lansdowne Steel & Iron Company, Morton, Pa. Picker motion for looms. 2,355,540; Aug. 8.

Lear Avia, Inc. (See Lear, William P., assignor.)

Lear, William P., assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio. Preselection control mechanism. 2,355,381; Aug. 8.

Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Car truck. 2,355,450; Aug. 8.

Le Frank, John D., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can filling machine. 2,355,089; Aug. 8.

Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for coating tire articles. 2,355,382; Aug. 8.

Lehman, Eugene J., D. E. Wiegand, and J. O. Fenwick, Zanesville, Ohio, assignors to Line Material Company, South Milwaukee, Wis. Three-phase transformer construction. 2,355,169; Aug. 8.

Levesque, Theodore J., assignor of one-third to B. Horvitz, and one-third to B. Prebluda, Fall River, Mass. Holder for bobbins in transfer mechanism. 2,355,596; Aug. 8.

Lew, Gidale, Brooklyn, N. Y. Knockdown furniture. 2,355,541; Aug. 8.

Liberthson, Leo, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Petroleum sulphonate derivatives. 2,355,310; Aug. 8.

Lindberg, Oscar P., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working tool. 2,355,451; Aug. 8.

Line Material Company. (See Behlmer, Henry B., assignor.)

Line Material Company. (See Lehman, E. J., Wiegand, and Fenwick, assignors.)

Linkner, Edward H., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Sorting machine. 2,355,311; Aug. 8.

Linkowski, Herman, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,355,452; Aug. 8.

Lionidometer Corporation, The. (See de Giers, Clarence A., assignor.)

Litschert, Ralph A., Winchester, Ind. Telescopic sight. 2,355,384; Aug. 8.

Little, Arthur D., Inc. (See Harford, Charles G., assignor.)

Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Electric valve circuit. 2,355,453; Aug. 8.

Loftin, Grady A., assignor to The Lane Company, Inc., Altavista, Va. Hinge. 2,355,542; Aug. 8.

Lotter, Adolph G., assignor to Stationers Loose Leaf Company, Milwaukee, Wis. Loose-leaf binder. 2,355,223; Aug. 8.

Lotter, William. (See Moecker, H., Jr., and Lotter.)

Love, John T., and A. L. Hoffman, Chicago, Ill. Internal-combustion engine. 2,355,090; Aug. 8.

Lowry, Edward N., Syracuse, assignor to Oswego Falls Corporation, Fulton, N. Y. Machine for applying closures to bottles. 2,355,385; Aug. 8.

Loyd, Vivian Graham. (See Macbeth, Colin, assignor.)

Lubri-Zol Development Corporation, The. (See Prutton, Carl F., assignor.)

Lucius, William I., Bronxville, assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for the production of sound-absorbing materials. 2,355,454; Aug. 8.

Luerssen, George V., and C. B. Post, assignors to The Carpenter Steel Company, Reading, Pa. Steel alloy. 2,355,224; Aug. 8.

Lui, Henry S. K., San Francisco, Calif. Vegetable cutter. 2,355,312; Aug. 8.

Lumb, Charles F. (See Spears, Frank G. W., assignor.)

Lunken, Edmund H., Springfield Township, Hamilton County, Ohio. Window guard and screen. 2,355,170; Aug. 8.

Lurie, William A., New Orleans, La. Bag. 2,355,313; Aug. 8.

Lynch Corporation. (See Bennett, Joseph A., assignor.)

Macbeth, Colin, Birmingham, assignor of one-half to V. G. Loyd, Camberley, England. Resilient mounting. 2,355,456; Aug. 8.

MacBlane, James, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Undercutting tool. 2,355,315; Aug. 8.

MacFarland, Allison M. (See Nelson, G. H., and MacFarland.)

MacWilliam, Wallace, Nutley, assignor to Resistoflex Corporation, Belleville, N. J. Forming deposits by spraying. 2,355,225; Aug. 8.

Maeder, Henry A. (See Clewell, D. H., and Maeder.)

Magazine Repeating Razor Company. (See Reyburn, John R., assignor.)

Magielnicki, John S. (See Shepard, S. W., and Magielnicki.)

Maguire Industries, Incorporated. (See Devol, G. C., and Langstroth, assignors.)

Main, William R., Delanco, N. J. Connector for electric wires. 2,355,387; Aug. 8.

Mallory, Eugene H., Hampton, Iowa. Unloading apparatus. 2,355,226; Aug. 8.

Mallory, P. R., & Co. (See Carlson, Chester F., assignor.)

Manitowoc Shipbuilding Company. (See Nickles, Edward B., assignor.)

Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermoelectric safety device. 2,355,227; Aug. 8.

Marathon Battery Company. (See Anthony, H. R. C., and Friang, assignors.)

Mares, Virgil L., Upper Darby, Pa., assignor to General Electric Company. Mechanism for electric switches. 2,355,457; Aug. 8.

Martin, Paul N., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,355,543; Aug. 8.

Mastenbrook, Henry J., assignor to The Swartout Company, Cleveland, Ohio. Desuperheating valve. 2,355,458; Aug. 8.

McCorkle, Miles R., assignor to Armour and Company, Chicago, Ill. Preparation of unsaturated hydrocarbons from primary aliphatic amines. 2,355,314; Aug. 8.

McCullough, Clarence L., Zanesville, Ohio. Clamp. 2,355,386; Aug. 8.

McDonald, Manuel C., assignor to The Brown Paper Mill Company, Inc., Monroe, La. Apparatus for the treatment and removal of chemicals from cooked or digested fiber pulp. 2,355,091; Aug. 8.

McDonnell, James A. (See Otto, C. D., and McDonnell.)

McGaughy, Franklin C., San Antonio, Tex. Treating pebbles. 2,355,171; Aug. 8.

McGowan, Kenneth J. J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Attaching means. 2,355,544; Aug. 8.

McGraw Electric Company. (See Gomersall, John R., assignor.)

McGraw Electric Company. (See Olving, Bror G., assignor.)

McGuire, Frederick T., Jr. (See Miller, S. H., Jenkins, and McGuire.)

McIlvried, Edwin J. (See Nye, N. H., and McIlvried.)

McPhillomy, Richard C., Schenectady, N. Y., assignor to General Electric Company. Washing machine. 2,355,455; Aug. 8.

Meister, Leo, Irvington, N. J. Machine for testing articles having parts subject to centrifugal action. 2,355,092; Aug. 8.

Mekler, Lev A. (See Komarewsky, V. I., and Mekler.)

Meltzer, Henry E., Racine, Wis. Motor-driven tool. 2,355,228; Aug. 8.

Merck & Co. (See Keresztesy, J. C., and Rickes, assignors.)

Mestas, Ricardo, Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Hone gauging device. 2,355,316; Aug. 8.

Meyer, Edwin W. (See Julian, P. L., and Meyer.)

Meyerhans, August, Rieden, near Baden, and H. Hartmann, assignors to Aktiengesellschaft Brown, Boverie & Cie., Baden, Switzerland. Cable joint or terminal. 2,355,545; Aug. 8.

Michael, Wilhelm, Ludwigshafen-on-the-Rhine, O. Goehre, Heidelberg, G. Free, and W. von Fuener, Ludwigshafen-on-the-Rhine, and W. Schneider, Mannheim, Germany; vested in the Alien Property Custodian. Thermal treatment of carbonaceous material. 2,355,388; Aug. 8.

Michaels, Frank L., Fort Thomas, Ky. Composite sign structure. 2,355,546; Aug. 8.

Miller, Oscar E., Stratton, Nebr., assignor to Cheney Weeder Company, Cheney, Wash. Rod weeder. 2,355,229; Aug. 8.

Miller, Samuel H., Cleveland, G. L. Jenkins, Lakewood, and F. T. McGuire, Jr., Shaker Heights, assignors to Industrial Fabricators Inc., Cleveland, Ohio. Machine for press forming sheetlike articles. 2,355,093; Aug. 8.

Miller, William J., Swissvale, Pa., and L. P. Reese, Scio, Ohio. Appendage moistener. 2,355,172; Aug. 8.

Mills, Albert W., Endicott, E. J. Rabenda, Binghamton, F. J. Furman, Endicott, N. Y., and E. J. Keough, Stamford, Conn., assignors to International Business Machines Corporation, New York, N. Y. Recording machine. 2,355,389; Aug. 8.

Milwaukee Gas Specialty Company. (See Guelson, Stanley S., assignor.)

Milwaukee Gas Specialty Company. (See Mantz, Harold A., assignor.)

Minerals Separation North American Corporation. (See Cole, Allen T., assignor.)

Minneapolis-Honeywell Regulator Company. (See Baak, Albert E., assignor.)

Minneapolis - Honeywell Regulator Company. (See Holmes, Gifford I., assignor.)

Minneapolis-Honeywell Regulator Company. (See Lange, Frederick E., assignor.)

Minneapolis-Honeywell Regulator Company. (See Sparrow, Hubert T., assignor.)

Miskella, William J., Cleveland, Ohio. Apparatus for drying helmets and the like. 2,355,459; Aug. 8.

Modine Manufacturing Company. (See Arnold, Arthur B., assignor.)

Moecker, Henry, Jr., and W. Lotter, Cleveland, Ohio, assignors to American Stove Company, St. Louis, Mo. Broiler unit. 2,355,230; Aug. 8.

Molines Machine Company Limited. (See Harris, R. W., and Dearsley, assignors.)

Monroe Auto Equipment Company. (See Whisler, Ralph H., Jr., assignor.)

Monsanto Chemical Company. (See Kosmin, Milton, assignor.)

Monsanto Chemical Company. (See Kosolapoff, Gennady, assignor.)

Moore, Clifton E., Grand Rapids, Mich. Apparatus and process for sterilizing and destroying epithelial tissues. 2,355,231; Aug. 8.

Moore, Emmett B., Evanston, Ill. Apparatus for making beverages. 2,355,094; Aug. 8.

Moore, Hamilton K., St. Louis, Mo. Variable pitch propeller assembly. 2,355,317; Aug. 8.

Moore, Sam, & Co. (See Daniels, Lee C., assignor.)

Moore, William E., Pittsburgh, Pa. Metallurgical apparatus. 2,355,095; Aug. 8.

Moravek, Rudolf A., Neenah, Wis., assignor to Paper Patents Company. Automatic reel. 2,355,318; Aug. 8.

Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Conduit supporting clip. 2,355,096; Aug. 8.

Morell, Edith, administratrix. (See Morell, L., and Knutson.)

Morell, Le Grand, deceased, by E. Morell, administratrix, and A. T. Knutson, assignors to The Dow Chemical Company, Midland, Mich. Lubricating composition. 2,355,173; Aug. 8.

Morey Machinery Co. (See Shields, Frank S., assignor.)

Morrell, Charles E., Roselle, N. J., assignor to Standard Oil Development Company. Two-stage alkylation process. 2,355,460; Aug. 8.

Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif. Stabilization of halobutenes. 2,355,319; Aug. 8.

Mull, John R. (See Garlock, F. G., and Mull.)

Muller, Curt B. (See Testo, Henry, assignor.)

Murphy, Daniel, New Castle, Pa. Bearing. 2,355,390; Aug. 8.

Murray, Lawrence J. (See Gillings, C., and Murray.)

Musher Foundation Incorporated. (See Musher, Sidney, assignor.)

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Oat extract useful for addition to foods for antioxidant and other purposes. 2,355,097; Aug. 8.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Processing corn. 2,355,098; Aug. 8.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Food composition. 2,355,547; Aug. 8.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Sausage composition. 2,355,548; Aug. 8.

Myers, Arthur E., Jackson Heights, N. Y. Brush wiper construction. 2,355,549; Aug. 8.

Nassau Smelting & Refining Company. (See Deitz, Louis S., Jr., assignor.)

National Airoil Burner Company. (See Straitz, John F., assignor.)

National Gypsum Company. (See Crandell, Dean D., assignor.)

National Machinery Company, The. (See Friedman, John H., assignor.)

National Paper Box Co. (See Davidson, Samuel O., Jr., assignor.)

National Stamping Company. (See Thoma, W. F., and Beyer, assignors.)

Nebel, Kurt W., Chicago, Ill. Metal-cutting shear. 2,355,320; Aug. 8.

Nelson, Edward F., San Leandro, Calif. Welding studs. 2,355,099; Aug. 8.

Nelson, George H., and A. M. MacFarland, Freeport, assignors to Burgess Battery Company, Chicago, Ill. Dry cell apparatus. 2,355,232; Aug. 8.

Nelson, Robert F., Ardmore, and J. N. Tuttle, Philadelphia, assignors to The Glassine Paper Company, West Conshohocken, Pa. Papermaking method and apparatus. 2,355,391; Aug. 8.

Newman, John M., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 2,355,321; Aug. 8.

Newport, Jesse H., Jr. (See Derham, P. A., and Newport.)

Newton, Walter H., assignor to Arvey Corporation, Chicago, Ill. Container. 2,355,233; Aug. 8.

Nichols, Charles R., Jr., Jersey City, N. J. Cell assembling process and apparatus. 2,355,461; Aug. 8.

Nickles, Edward B., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Vehicle. 2,355,234; Aug. 8.

Nickles, Edward B., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Ship crane. 2,355,235; Aug. 8.

Nilsson, Robert S., London, England. Calculating machine. 2,355,462; Aug. 8.

Nivling, Lyman E., et al., administrators. (See Nivling, Walter A.)

Nivling, Owen C., et al., administrators. (See Nivling, Walter A.)

Nivling, Walter A., Newton, Mass., deceased; L. E. and O. C. Nivling, administrators. Making soluble starch. 2,355,463; Aug. 8.

Noble, Aubrey E. (See Boucher, C. P., and Noble.)

Nordberg Manufacturing Co. (See Talboys, H. H., and Erickson, assignors.)

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Conveyer. 2,355,100; Aug. 8.

Norman, Edith J. (See Norman, Joseph T., assignor.)

Norman, Joseph T., assignor to E. J. Norman, Huntington Mills, Pa. Automatic stoker. 2,355,101; Aug. 8.

North American Aviation, Inc. (See Wing, George S., assignor.)

Nuffer, Joseph H., Toledo, Ohio, and L. H. Latta, Deerfield, Ill., assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner. 2,355,322; Aug. 8.

Nusbaum, Lee, Philadelphia, Pa. Apparatus for producing air colloids. 2,355,550; Aug. 8.

Nye, Norman H., Cuyahoga Falls, and E. J. McIlvried, Akron, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Method and apparatus for surface conditioning wire and the like. 2,355,174; Aug. 8.

Nygaard, Edwin M. (See Seger, F. M., and Nygaard.)

Oberfell, George G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,355,392; Aug. 8.

Obergfell, Herbert F., River Forest, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Handset telephone mounting. 2,355,464; Aug. 8.

Oberkirk, William C., Bronx, N. Y., assignor to United Merchants & Manufacturers, Inc., Wilmington, Del. Device to detect skew in fabric. 2,355,465; Aug. 8.

Odman, Ogden R., Elmwood Park, Ill. Sheet piling and assembling the same. 2,355,102; Aug. 8.

Ohlinger, Leo A., and H. A. Heiss, assignors to Standard Oil Company, Chicago, Ill. Coke removal. 2,355,323; Aug. 8.

Oil Devices. (See Breese, James L., assignor.)

Oil Devices. (See Breese, J. L., and Hayter, assignors.)

Oil Devices. (See Breese, J. L., and Huston, assignors.)

Oil Devices. (See Hayter, Bruce, assignor.)

Oil Devices. (See Perry, Stanley, assignor.)

Olsen, Rodney H., Racine, Wis. Electroplating apparatus. 2,355,236; Aug. 8.

Olving, Bror G., assignor to McGraw Electric Company, Elgin, Ill. Electric motor. 2,355,175; Aug. 8.

O'Neill, Jack B., et al. (See O'Neill, Martin J., assignor.)

O'Neill, Martin J., Ottawa, Ill., assignor to J. B. O'Neill, Sarasota, Fla., R. A. O'Neill, Toledo, Ohio, M. J. O'Neill, Jr., Sarasota, Fla., and R. J. O'Neill, Ottawa, Ill. Water heater. 2,355,551; Aug. 8.

O'Neill, Martin J., Jr., et al. (See O'Neill, Martin J., assignor.)

O'Neill, Richard A., et al. (See O'Neill, Martin J., assignor.)

O'Neill, Robert J., et al. (See O'Neill, Martin J., assignor.)

Osgood Company, The. (See White, Fred L., assignor.)

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 2,355,176; Aug. 8.

Oswego Falls Corporation. (See Lowry, Edward N., assignor.)

Oswego Falls Corporation. (See Wilcox, I. L., and Huntley, assignors.)

Otte, Carl N., assignor of fifty per cent to H. A. Otte, Durham, Conn. Stamp removal guide. 2,355,552; Aug. 8.

Otte, Helena A. (See Otte, Carl N., assignor.)

Otto, Charles D., and J. A. McDonnell, New York, N. Y. Apparatus for reducing fire hazards of engine compartments. 2,355,103; Aug. 8.

Owen, Wm. Walter, executor. (See Willis, Bernard D.)

Owens, Kermeth L. and G. K., Payson, Ariz. Treating wood. 2,355,553; Aug. 8.

Owens, George K. (See Owens, Kermeth L. and G. K.)

Palmer, James H., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Toolholder. 2,355,324; Aug. 8.

Paper Patents Company. (See Moravek, Rudolf A., assignor.)

Parker, Humphrey F., Kenmore, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Electric hoist. 2,355,325; Aug. 8.

Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Transmission and control mechanism. 2,355,554; Aug. 8.

Pateras Pescara, Raul, Estoril, Portugal, assignor to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A., Geneva, Switzerland. Regulation of free piston turbo-generator systems. 2,355,177; Aug. 8.

Paterson Parchment Paper Company. (See Dammann, Karl, assignor.)

Paulson, Christian, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing fixtures. 2,355,555; Aug. 8.

Peale, Richard, Clearfield, Pa., and R. Peale, Jr., Greenwich, Conn. Apparatus for mining, loading, and conveying material. 2,355,178; Aug. 8.

Peale, Rembrandt, Jr. (See Peale, Richard and R.)
Pennsylvania Crusher Company. (See Borton, George W., assignor.)
People in the Territory of the United States, Dedicated to the free use of the. (See Wilkie, John B., assignor.)
Perkins, Ralph P., assignor to The Dow Chemical Company, Midland, Mich. Preparation of alicyclic-alkyl halides. 2,355,586; Aug. 8.
Permutit Company, The. (See Sussman, Sidney, assignor.)
Perry, Stanley, Chicago, Ill., assignor to Oil Devices, Santa Fe, N. Mex. Burner observation means for heaters. 2,355,466; Aug. 8.
Peterson, Roswald, assignor to Dayton Rogers Manufacturing Co., Minneapolis, Minn. Cushion blanking die. 2,355,556; Aug. 8.
Petersen, Siegfried, Leverkusen-Schlebusch, and K. Taube, Leverkusen-I. G. Werk, Germany; vested in the Alien Property Custodian. Preparation of high molecular cellulose derivatives. 2,355,326; Aug. 8.
Pethes, Theodore J., Jr., Elmwood Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 2,355,237; Aug. 8.
Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,355,104; Aug. 8.
Phillips Petroleum Company. (See Carney, Samuel C., assignor.)
Phillips Petroleum Company. (See Chazanow, Sydney S., assignor.)
Phillips Petroleum Company. (See Conn, Miller W., assignor.)
Phillips Petroleum Company. (See Oberfell, George G., assignor.)
Phillips Petroleum Company. (See Schulze, Walter A., assignor.)
Phinney, Robert M., and G. W. Davison, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,355,327; Aug. 8.
Picker X-Ray Corporation, Waite Manufacturing Division, Inc. (See Goldfield, E. R., Schiring, and Stava, assignors.)
Picker X-Ray Corporation, Waite Manufacturing Division, Inc. (See Graves, Edward B., assignor.)
Pihl, Eric A., and H. M. Ring, assignors to The Pullman Company, Chicago, Ill. Faceplate arrangement. 2,355,260; Aug. 8.
Pneumatic Scale Corporation, Limited. (See Tozier, Edgar H., assignor.)
Pohl, Walter M. (See Kearney, E. J., Armitage, and Pohl.)
Pond, Leander N., assignor to Corning Glass Works, Corning, N. Y. Glass article handling apparatus. 2,355,597; Aug. 8.
Pontius, George W., III, assignor to Bendix Aviation Corporation, South Bend, Ind. Automatic gun selector. 2,355,179; Aug. 8.
Poor & Company. (See Rodman, T. E., and Warr, assignors.)
Post, Carl B. (See Luerssen, G. V., and Post.)
Powers, Kelly, Lagrange, Ind. Planter attachment. 2,355,393; Aug. 8.
Prebluda, Barney, et al. (See Levesque, Theodore J., assignor.)
Preston, John E., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio. Folding and stacking machine and control therefor. 2,355,105; Aug. 8.
Proulx, Leo R., Los Angeles, assignor of one-half to H. Boorstin, Santa Monica, Calif. Waterproof fixture for fluorescent lamps. 2,355,467; Aug. 8.
Prutton, Carl F., East Cleveland, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,355,106; Aug. 8.
Pullman Company, The. (See Pihl, E. A., and Ring, assignors.)
Purdue Research Foundation. (See Bray, J. L., and Howard, assignors.)
Quayle, George, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Spring cushioned lift truck. 2,355,328; Aug. 8.
Quinn, Edward, Malden, and L. S. Curtin, Belmont, assignors to United Shoe Machinery Corporation, Boston, Mass. Shoe sewing machine. 2,355,107; Aug. 8.
Raabe, Carl A., Chicago, Ill. Machine for coaxial cable insulation. 2,355,238; Aug. 8.
Rabenda, Edward J. (See Mills, A. W., Rabenda, Furman, and Keough.)
Radio Corporation of America. (See Barton, Loy E., assignor.)
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Goldstine, Hallan F., assignor.)
Radio Corporation of America. (See Roberds, Wesley M., assignor.)
Radio Corporation of America. (See Shelby, Robert E., assignor.)
Radio Corporation of America. (See Shoup, Frederic F., assignor.)
Radio Corporation of America. (See Vance, Arthur W., assignor.)
Radio Corporation of America. (See Wiggins, Alpha M., assignor.)
Radley, Guy R., Whitefish Bay, and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 2,355,557; Aug. 8.
Raney, William E., Shaker Heights, assignor of one-half to W. King, Mentor, Ohio. Direct drive electric power tool. 2,355,558; Aug. 8.
Ravenscroft, Edward A., Glencoe, and R. E. Jordan, Deerfield, assignors to Abbott Laboratories, North Chicago, Ill. Capsule making method and machine. 2,355,329; Aug. 8.
Raymond Concrete Pile Company. (See Upson, Maxwell M., assignor.)
Raytheon Manufacturing Company. (See Krim, Norman B., assignor.)
Raytheon Manufacturing Company. (See Smith, Charles G., assignor.)
Read, Philip C., Shorewood, assignor to Dostal & Lowey Co., Inc., Menomonee Falls, Wis. Bottle-washing machine. 2,355,239; Aug. 8.
Rees, Fred J. (See Webster, L. G., and Rees.)
Reese, Garland W., Chappaqua, assignor to American Can Company, New York, N. Y. Container. 2,355,108; Aug. 8.
Reese, Garland W. (See Erb, G. C., and Reese.)
Reese, Lewis P. (See Miller, W. J., and Reese.)
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Remote control mechanism. 2,355,587; Aug. 8.
Reeves Pulley Company. (See Reeves, Paul B., assignor.)
Rehberg, Chessie E., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to Claud R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Allyl and methallyl esters of alpha-hydroxy-isobutyric and alpha-acetoxy-isobutyric acids. 2,355,330; Aug. 8.
Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil. 2,355,240; Aug. 8.
Reliance Steel Products Company. (See Bulmer, William C., assignor.)
Remy, Marc de B., Detroit, Mich. Plastic compound and making same. 2,355,180; Aug. 8.
Renner & Company. (See Renner, Frank, assignor.)
Renner, Frank, assignor to Renner & Company, Chicago, Ill. Cover for containers. 2,355,559; Aug. 8.
Resistoflex Corporation. (See MacWilliam, Wallace, assignor.)
Reyburn, John R., Fairfield, assignor to Magazine Repeating Razor Company, Bridgeport, Conn. Blade magazine. 2,355,181; Aug. 8.
Rickes, Edward. (See Keresztesy, J. C., and Rickes.)
Rickus, George M., S. G. Hoffman, and S. C. Carpenter, Jr., Norwalk, and W. W. Harris, Darien, assignors to Hat Corporation of America, Norwalk, Conn. Methods and solutions for treating fibers and products resulting therefrom. 2,355,598; Aug. 8.
Riddick, Elmer P., Norfolk, Va. Reproducing machine. 2,355,109; Aug. 8.
Ring, Harold M. (See Pihl, E. A., and Ring.)
Robb, Donald T., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Adjusting apparatus. 2,355,468; Aug. 8.
Roberds, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Electrical coupling device. 2,355,560; Aug. 8.
Roberts, James A. (See Fischer, H. R., and Roberts.)
Roberts, Ray R., Thomaston, T. Russell, Naugatuck, and R. J. Hodge, West Haven, Conn. Ratchet clamp attached overall buckle. 2,355,331; Aug. 8.
Robertson, Edward D., Helena, Ark. Fresh-air tempering means for building units. 2,355,469; Aug. 8.
Robinson, Merrill P., Upper Montclair, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water treating apparatus. 2,355,561; Aug. 8.
Roche Products Limited. (See Bergel, Franz, assignor.)
Rockwood, Albert E. (See Deane, H. N., and Rockwood.)
Rodman, Thomas E., Glencoe, and H. G. Warr, Park Ridge, assignors to Poor & Company, Chicago, Ill. Railway track lubricating apparatus. 2,355,241; Aug. 8.
Roediger, Joseph C., Brooklyn, N. Y., assignor to Standard Oil Development Company, Asphalt composition capable of cold application. 2,355,242; Aug. 8.
Röhm & Haas Company. (See Bock, L. H., and Houk, assignors.)
Röhm & Haas Company. (See Spence, Le Roy U., assignor.)
Rombach, William L., Highland Park, Mich. Hose holder. 2,355,562; Aug. 8.
Roos, Edward, Jr., Western Springs, and W. H. Ziegler, Forest Park, Ill. Chest. 2,355,332; Aug. 8.
Root, Charles S., Bridgeport, Conn., assignor to General Electric Company. Multiband receiver circuit. 2,355,470; Aug. 8.
Rosenstein, Aaron, New York, and H. Dolan, Brooklyn, assignors to Rosenstein Bros., New York, N. Y. Making covered threads. 2,355,471; Aug. 8.
Rosenstein Bros. (See Rosenstein, A., and Dolan, assignors.)

Rosenthal, Adolph H., New York, N. Y., assignor, by mesne assignments, to Scophony Corporation of America, New York, N. Y. Television transmission system. 2,355,110; Aug. 8.
Ross, Betsy, Stouchsburg, Pa. Preparing foods. 2,355,394; Aug. 8.
Rossman, Allen M. (See Carr, Richard H., assignor.)
Rotary Lift Company. (See Jaseph, Lawrence F., assignor.)
Rouault, Charles L., Schenectady, assignor to General Electric Company. Transmission line spacer. 2,355,111; Aug. 8.
Rubenstein, Jacob H., Syracuse, N. Y. Electromagnetic alarm device. 2,355,395; Aug. 8.
Rupp, Edward F., Cleveland, Ohio. Float. 2,355,396; Aug. 8.
Rushing, Fred L. (See Williams, B. M., and Rushing.)
Russell, Theodore. (See Roberts, R. R., Russell, and Hodge.)
Ruthman, Edward J., Cincinnati, Ohio. Motor. 2,355,472; Aug. 8.
Salterini, John B., et al. (See Schneider, Edward J., assignor.)
Salterini, John B., Company. (See Schneider, Edward J., assignor.)
Salterini, Nan B., et al. (See Schneider, Edward J., assignor.)
Sandell, Harry N., Brookline, assignor to Sandell Manufacturing Company, Inc., Watertown, Mass. Reinforced waterproofing sheet material. 2,355,333; Aug. 8.
Sandell Manufacturing Company. (See Sandell, Harry N., assignor.)
Sarco Company. (See Adlam, Thomas N., assignor.)
Savage, John O., New York, N. Y. Military vehicle and bridge. 2,355,473; Aug. 8.
Scharnberg, Herman J. B., deceased; by M. M. Scharnberg, Clewiston, Fla., executrix, assignor to herself. Liquid treating and anti-short-circuiting device. 2,355,397; Aug. 8.
Scharnberg, Marie M., executrix. (See Scharnberg, Herman J. B.)
Scheg, Marcian A., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,355,334; Aug. 8.
Scheid, Louis J., assignor to Watervliet Paper Company, Watervliet, Mich. Paper pulp stock washer. 2,355,243; Aug. 8.
Schieren, Chas A., Company. (See Schieren, George A., assignor.)
Schieren, Charles A., Company. (See Schieren, George A., Jr., assignor.)
Schieren, George A., Great Neck, assignor to Chas. A. Schieren Company, New York, N. Y. Belt splicing mechanism. 2,355,112; Aug. 8.
Schieren, George A., Jr., Bristol, Tenn., assignor to Charles A. Schieren Company, New York, N. Y. Belting. 2,355,113; Aug. 8.
Schiring, Ralph C. (See Goldfield, E. R., Schiring, and Stava.)
Schirm, Erik, Dessau, Germany, assignor, by mesne assignments, to The Hydronaphthene Corporation, Wilmington, Del. Producing condensation products. 2,355,114; Aug. 8.
Schmidt, Benjamin F., Los Angeles, Calif., assignor to Adel Precision Products Corp. Conduit supporting clip. 2,355,115; Aug. 8.
Schneider, Edward J., assignor to J. B. and N. B. Salterini, co-partners doing business under the firm name and style of John B. Salterini Company, New York, N. Y. Jacob's ladder. 2,355,399; Aug. 8.
Schneider, Wilhelm. (See Michael, W., Gohre, Free, von Fuener, and Schneider.)
Scholl, Clark, assignor to The Steel Products Engineering Company, Springfield, Ohio. Conveyer for combustion apparatus. 2,355,244; Aug. 8.
Schoonenberg, Pancras, J. J. Hardenberg and C. J. Dippel, Eindhoven, Netherlands, assignors, by mesne assignments to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Oscillation record. 2,355,398; Aug. 8.
Schreiber, Richard S., and J. H. Werntz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers of alkyl glycosides and preparing the same. 2,355,245; Aug. 8.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization process. 2,355,563; Aug. 8.
Scophony Corporation of America. (See Rosenthal, Adolph H., assignor.)
Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water treating apparatus. 2,355,564; Aug. 8.
See, Daniel M., Ridgefield, Conn. Lipstick case. 2,355,565; Aug. 8.
Seeger, Edwin W. (See Radley, G. R., and Seeger.)
Seger, Francis M., Pitman, and E. M. Nygaard, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Fuel composition. 2,355,261; Aug. 8.
Segschneider, Rudolph G. (See Kaufman, H. H., and Segschneider.)
Seitz, William. (See Zimmer, J. C., and Seitz.)
Senion, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Purification of mercaptans. 2,355,335; Aug. 8.
Shafer, George E., assignor to The American Rolling Mill Company, of Middletown, Ohio. Reinforced wooden culvert and the like. 2,355,336; Aug. 8.
Shelby, Robert E., Teaneck, N. J., assignor to Radio Corporation of America. Television system. 2,355,566; Aug. 8.
Shell Development Company. (See Morris, R. C., and Shokal, assignors.)
Shepard, Spenser W., Warren Township, Somerset County, and J. S. Magielnicki, South River, N. J., assignors to American Cyanamid Company, New York, N. Y. Repair of vitreous enamelware equipment. 2,355,474; Aug. 8.
Sherts, Edward W. (See Layton, L., and Sherts.)
Sherwin-Williams Company, The. (See Hanson, Benjamin B., assignor.)
Sherwin-Williams Company, The. (See Todd, S. P., and Verduin, assignors.)
Shields, Frank S., Jamaica, N. Y., assignor to Morey Machinery, Co., Inc., New York, N. Y. Locking device for turrets. 2,355,246; Aug. 8.
Shields, Katherine M. (See Sim, W., and Shields.)
Shokal, Edward C. (See Morris, R. C., and Shokal.)
Shoup, Frederic F., Haddonfield, N. J., assignor to Radio Corporation of America. Noise reduction system. 2,355,182; Aug. 8.
Shumaker, Raymond L., Xenia, Ohio. Spark plug shield. 2,355,116; Aug. 8.
Siegel, Chester A., Newark, N. J., assignor to American Arch Company, New York, N. Y. Equipment for locomotive fireboxes. 2,355,400; Aug. 8.
Sievers, Hugh H. (See Welliver, L., and Sievers.)
Signal Engineering & Manufacturing Company. (See Wheelock, J. H., and Cypser, assignors.)
Silver Globe Corporation, The. (See Busi, Mario, assignor.)
Sim, William, Ralston, and K. M. Shields, Prestwick, Scotland. Ice skate. 2,355,401; Aug. 8.
Simplex Time Recorder Co. (See Deane, H. N., and Rockwood, assignors.)
Simpson, Elwyn W. (See Huddleston, J., and Simpson.)
Sisto, Donato F., et al. (See Towles, William J., assignor.)
Skaller, Hans G., Flushing, assignor to The Hospital Supply Company, New York, N. Y. Closure mechanism. 2,355,475; Aug. 8.
Skidmore, Keith L. (See Virden, L. E., and Skidmore.)
Slocum, Henry M., assignor to Colvin-Slocum Boats, Inc., New York, N. Y. Life preserver light. 2,355,247; Aug. 8.
Slough, George G. (See Whittaker, C. E., and Slough.)
Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical gaseous discharge lamp. 2,355,117; Aug. 8.
Smith, Frank M., Dearborn, Mich., assignor, by mesne assignments, to Consolidated Aircraft Corporation, San Diego, Calif. Vibration damped panel. 2,355,568; Aug. 8.
Smith, Henry J., Philadelphia, Pa. Infant exerciser. 2,355,569; Aug. 8.
Smith, Roy M., Fairfield, and J. R. Steegstra, assignors to The Bryant Electric Company, Bridgeport, Conn. Fluorescent lamp starter. 2,355,476; Aug. 8.
Snyder, Eugene L., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,355,183; Aug. 8.
Societe Anonyme pour l'Industrie do l'Aluminum. See von Zeerleder, A., and Syz, assignors.)
Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A. (See Pateras Pescara, Raul, assignor.)
Socony-Vacuum Oil Company. (See Badertscher, Darwin E., assignor.)
Socony-Vacuum Oil Company. (See Clewell, D. H., and Maeder, assignors.)
Socony-Vacuum Oil Company. (See Koenig, Edgar A., assignor.)
Socony-Vacuum Oil Company. (See Reiff, Orland M., assignor.)
Socony-Vacuum Oil Company. (See Seger, F. M., and Nygaard, assignors.)
Somes, Howard E., Detroit, Mich, assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Quenching apparatus. 2,355,184; Aug. 8.
Sonneborn, L., Sons, Inc. (See Liberthson, Leo., assignor.)
Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,355,567; Aug. 8.
Spears, Frank G. W., Potters Bar, assignor of one-half to C. F. Lumb, Kingston Hill, England. Tube cleaning apparatus for boilers and the like. 2,355,570; Aug. 8.
Spears, Frank G. W., Potters Bar, assignor of one-half to C. F. Lumb, Kingston Hill, England. Tube cleaning apparatus for boilers and the like. 2,355,571; Aug. 8.
Specialties Development Corporation. (See Thomsen, William A. V., assignor.)
Specialties Manufacturing Company. (See Honegger, John A., assignor.)
Spence, Le Roy U., Elkins Park, assignor to Röhm & Haas Company, Philadelphia, Pa. Preparation of ether amines. 2,355,337; Aug. 8.
Spiral Binding Company. (See Freundlich, Albert, assignor.)

Sprouse, Ada, et al. (See Jerman, George C., assignor.)
Sprouse, V. E., Company. (See Jerman, George C., assignor.)
Sprouse, Verner E., et al. (See Jerman, George C., assignor.)
Square D Company. (See Jackson, John G., assignor.)
Stahl, William F., Evanston, Ill. Form for windings and the like. 2,355,477; Aug. 8.
Standard Car Truck Company. (See Leese, Charles P., assignor.)
Standard Oil Company. (See Ohlinger, L. A., and Heiss, assignors.)
Standard Oil Development Company. (See Morrell, Charles E., assignor.)
Standard Oil Development Company. (See Roediger, Joseph C., assignor.)
Standard Oil Development Company. (See Zimmer, J. C., and Seitz, assignors.)
Stationers Loose Leaf Company. (See Lotter, Adolph G., assignor.)
Stava, Robert J. (See Goldfield, E. R., Schiring, and Stava.)
Steegstra, John R. (See Smith, R. M., and Steegstra.)
Steel Products Engineering Company, The. (See Scholl, Clark, assignor.)
Stein, Hall Manufacturing Company. (See Gardner, Herbert F., assignor.)
Stevens, Herbert H., Jr., Bantam, Conn. Building with air supported roof and constructing the same. 2,355,248; Aug. 8.
Stewart, Arthur W., assignor to Detrola Corporation, Detroit, Mich. Frequency modulation signal generator. 2,355,338; Aug. 8.
Storey, Everett, Chicago, Ill. Game. 2,355,118; Aug. 8.
Story, Le Roy G., Chicago, Ill., assignor to The Texas Company, New York, N. Y. Manufacture of motor fuels. 2,355,339; Aug. 8.
Stover, Harry E., Long Island City, N. Y., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for sealing containers. 2,355,478; Aug. 8.
Stover, Harry E., Connellsville, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Cap-feeding apparatus. 2,355,479; Aug. 8.
Stover, Harry E., Connellsville, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for sealing containers. 2,355,480; Aug. 8.
Stover, Harry E., Connellsville, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Cap-feeding apparatus. 2,355,481; Aug. 8.
Straitz, John F., Philadelphia, Pa., assignor to National Airoil Burner Company, Incorporated. Combustion chamber. 2,355,572; Aug. 8.
Stratton, Frank E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Press. 2,355,119; Aug. 8.
Strope, Alva L., assignor of one-half to D. Hannah, Wallace, Idaho. Knocked-down housing structure. 2,355,340; Aug. 8.
Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Electric circuit breaker. 2,355,482; Aug. 8.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Sussman, Sidney, Moorestown, N. J., assignor to The Permutit Company, New York, N. Y. Resinous products 2,355,402; Aug. 8.
Swarr, Samuel V., Sr., assignor of twenty per cent to L. L. and S. M. Eckert, Lancaster, Pa. Fire extinguisher. 2,355,483; Aug. 8.
Swartout Company, The. (See Mastenbrook, Henry J., assignor.)
Sylvania Electric Products Inc. (See Biggs, O. H., and Cox, assignors.)
Syz, Werner. (See von Zeerleder, A., and Syz.)
Szabo, Andrew, Jr., Lorain, Ohio. Automatic metal treating machine. 2,355,249; Aug. 8.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Rotor brake. 2,355,120; Aug. 8.
Tack, Carl E., and W. A. Helsten, assignors to American Steel Foundries, Chicago, Ill. Rotor brake. 2,355,121; Aug. 8.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Rotor brake. 2,355,122; Aug. 8.
Tack, Carl E., and W. A. Helsten, assignors to American Steel Foundries, Chicago, Ill. Rotor brake. 2,355,123; Aug. 8.
Talboys, Henry H., and H. E. Erickson, assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Track lifter. 2,355,573; Aug. 8.
Taube, Karl. (See Petersen, S., and Taube.)
Teker, John W., Wesleyville, Pa., assignor to General Electric Company. Brake system. 2,355,484; Aug. 8.
Telautograph Corporation. (See Lauder, W. A., and Cahoon, assignors.)
Tennessee Valley Authority. (See Brown, Earl H., assignor.)
Tennessee Valley Authority. (See Junkins, John N., assignor.)
Ternstedt Manufacturing Company. (See Lakin, John W., assignor.)
Testo, Henry, assignor of one-half to C. B. Muller, Cleveland, Ohio. Band-tool guide. 2,355,602; Aug. 8.
Testo, Henry, Lakewood, assignor of one-half to C. B. Muller, Cleveland, Ohio. Endless-band tool. 2,355,124; Aug. 8.
Texas Company, The. (See Atwell, Harold V., assignor.)
Texas Company, The. (See Cole, Edward L., assignor.)
Texas Company, The. (See Flanagan, James J., assignor.)
Texas Company, The. (See Story, Le Roy G., assignor.)
Thoma, Willard F., Detroit, and F. W. Beyer, Grosse Pointe, assignors to National Stamping Company, Detroit, Mich. Shell charger. 2,355,574; Aug. 8.
Thomsen, William A. V., Montclair, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J. Actuator. 2,355,185; Aug. 8.
Time Incorporated. (See Coleman, Roy E., assignor.)
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,355,485; Aug. 8.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,355,486; Aug. 8.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Tischer, Max, Bor U C Lipy, Czechoslovakia; vested in the Alien Property Custodian. Forming bright metallic deposit on the surface of objects. 2,355,186; Aug. 8.
Tobe Deutschmann Corporation. (See Dé vot, André J., assignor.)
Todd, Seldon P., Gloucester City, and F. C. Verduin, Audubon, N. J., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Manufacturing tetanium pigment. 2,355,187; Aug. 8.
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Toledo Scale Company. (See Hem, Halvor W., assignor.)
Toledo Scale Company. (See Weckerly, Mark A., assignor.)
Toledo Scale Company. (See Williams, Lawrence S., assignor.)
Toledo Scale Company. (See Wood, George R., assignor.)
Toledo Scale Company. (See Yeasting, Maynard C., assignor.)
Towles, William J., assignor to himself and D. F. Sisto, Los Angeles, Calif. Combination water softener and heater with reverse flush. 2,355,188; Aug. 8.
Tozier, Edgar H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Feeding mechanism for sewing machine heads. 2,355,189; Aug. 8.
Trabon Engineering Corporation. (See Harter, Robert L., assignor.)
Trimbach, Clem G., Eggertsville, N. Y., assignor to Curtiss-Wright Corporation. Bomb-handling equipment. 2,355,341; Aug. 8.
Trimble & Fink Mfg. Co. (See Fink, Charles F., assignor.)
Tripp, William A., Boston, Mass. Terminator. 2,355,403; Aug. 8.
Tuttle, John N. (See Nelson, R. F., and Tuttle.)
U. S. Slicing Machine Company. (See van Berkel, Wilhelmus A., assignor.)
Underwood, James W. (See D'Alelio, G. F., and Underwood.)
Union Oil Company of California. (See Flaxman, Marcellus T., assignor.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Martin, Paul N., assignor.)
Union Switch & Signal Company, The. (See Hufnagel, Andrew, assignor.)
Union Switch & Signal Company, The. (See McGowan, Kenneth J. J., assignor.)
United Merchants & Manufacturers, Inc. (See Oberkirk, William C., assignor.)
United Shoe Machinery Corporation. (See Hamann, W., and Weller, assignors.)
United Shoe Machinery Corporation. (See Knight, Ralph F., assignor.)
United Shoe Machinery Corporation. (See Quinn, E., and Curtin, assignors.)
United Shoe Machinery Corporation. (See Stratton, Frank E., assignor.)
Universal Oil Products Company. (See Ipatieff, V. N., and Haensel, assignors.)
Universal Oil Products Company. (See Komarewsky, V. I., and Mekler, assignors.)
Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Prestressed composite pile. 2,355,190; Aug. 8.
Van Allan, Coral H., Elmira, N. Y. Girdle and corset stay. 2,355,575; Aug. 8.
Van Berkel, Wilhelmus A., The Hague, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,355,487; Aug. 8.
Vance, Arthur W., Moorestown, N. J., assignor to Radio Corporation of America. Power supply for electron microscopes. 2,355,191; Aug. 8.
Van Vulpen, John, and E. H. Burgess, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Battery charging system. 2,355,488; Aug. 8.
Van Wormer, Carl W., Bellaire, Tex. Drilling apparatus. 2,355,342; Aug. 8.
Vapor Car Heating Company. (See Van Vulpen, J., and Burgess, assignors.)

Vaughn Machinery Company, The. (See Nye, N. H., and McIlvried, assignors.)
Verduin, Fredric C. (See Todd, S. P., and Verduin.)
Victor Metal Products Corporation. (See Derham, P. A., and Newport, assignors.)
Virden, Lewis E., and K. L. Skidmore, Bakersfield, Calif. Nether garment. 2,355,404; Aug. 8.
Von Fuener, Wilhelm. (See Machael, W., Gohre, Free, von Fuener, and Schneider.)
Von Zeerleder, Alfred, Neuhausen-on-the-Rheinfall, and W. Syz, Sous-Geronde, Chippis, Valais, assignors to Societe Anonyme pour l'Industrie de l'Aluminum, Chippis, Switzerland. Furnace for the electrothermal production of magnesium. 2,355,343; Aug. 8.
Voss, Bernard H., Chicago, Ill. Package. 2,355,250; Aug. 8.
Vucasaovich, Michel P., Beverly, Mass., assignor, by mesne assignments, to Gloucester Research Corporation, New York, N. Y. Method and apparatus for removing scales from fish. 2,355,405; Aug. 8.
Wachsmann, Konrad L., and W. Gropius, Lincoln, Mass., assignors to General Panel Corporation. Prefabricated building. 2,355,192; Aug. 8.
Waddell, Graham B., Mount Lebanon, Pa. Curtain rod. 2,355,489; Aug. 8.
Wadsworth Electric Manufacturing Company, The. (See Landmeier, Edwin W., assignor.)
Wales, George F., Kenmore, N. Y. Sheet material punching apparatus. 2,355,344; Aug. 8.
Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acid metal treating baths. 2,355,599; Aug. 8.
Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Formaldehyde reaction product and its preparation. 2,355,600; Aug. 8.
Walker, Ulysses S., Austin, Pa. Overall garment. 2,355,193; Aug. 8.
Walker, Victor, Fort Erie, Ontario, Canada, assignor to AlnCin, Inc., Buffalo, N. Y. Optical device and making same. 2,355,345; Aug. 8.
Walsh, John G., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,355,251; Aug. 8.
Warr, Harold G. (See Rodman, T. E., and Warr.)
Waterman, Russell R., Lodi, Calif. Boiler-feed system. 2,355,125; Aug. 8.
Watervliet Paper Company. (See Scheid, Louis J., assignor.)
Wayman, Albert J., Youngstown, Ohio. Lightning arrester. 2,355,490; Aug. 8.
Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor accelerating pump. 2,355,346; Aug. 8.
Webster, Lewis G., and F. J. Rees, Dayton, Ohio. Grommet. 2,355,126; Aug. 8.
Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,355,347; Aug. 8.
Weller, Ralph H. (See Hamann, W., and Weller.)
Welliver, Le Roy, St. Paul, and H. H. Sievers, Minneapolis, Minn. Multiple use mailing folder. 2,355,348; Aug. 8.
Wertel, Harry A., Essex Fells, N. J. Work feeding and spot spacing control for electric spot welding machines. 2,355,576; Aug. 8.
Werntz, James H. (See Schreiber, R. S., and Werntz.)
Western Electric Company. (See Garbe, Howard W., assignor.)
Western Electric Company. (See Goddard, Charles T., assignor.)
Western Electric Company. (See Kenny, William J., assignor.)
Western Electric Company. (See Lane, Edwin H., assignor.)
Western Electric Company. (See Lindberg, Oscar P., assignor.)
Western Electric Company. (See Paulson, Christian, assignor.)
Western Electric Company. (See Pether, Theodore J., Jr., assignor.)
Western Electric Company. (See Robb, Donald T., assignor.)
Wheel Aligning Necessities, Inc. (See Castiglia, Biagis, assignor.)
Wheelock, John H., Fitzwilliam, N. H., and H. F. Cypser, assignors to Signal Engineering & Manufacturing Company, New York, N. Y. Signal impulse sending system. 2,355,349; Aug. 8.
Whisler, Ralph H., Jr., assignor to Monroe Auto Equipment Company, Monroe, Mich. Hydraulic shock absorber. 2,355,491; Aug. 8.
White, Fred L., assignor to The Osgood Company, Marion, Ohio. Control system for excavators. 2,355,252; Aug. 8.
White, Gilbert, Milwaukee, Wis. Bottle stopper. 2,355,492; Aug. 8.
White, Harry Z., Buffalo, N. Y. Adjustable garment shaping form. 2,355,577; Aug. 8.
White, Richard J., assignor to American Can Company, New York, N. Y. Dust gun. 2,355,127; Aug. 8.
Whitfield, Joseph E., Hamilton, Ohio. Bolt and lock nut. 2,355,253; Aug. 8.
Whitin Machine Works. (See Hendrickson, Fred K., assignor.)
Whitlock, Fred W., U. S. Army, Aberdeen, Md. Measuring device. 2,355,128; Aug. 8.
Whittaker, Charles E., Galt, and G. G. Slough, St. Catharines, Ontario, Canada. Terry warp stop motion. 2,355,129; Aug. 8.
Wiegand, David E. (See Lehman, E. J., Wiegand, and Fenwick.)
Wiggins, Alpha M., Princeton, N. J., assignor to Radio Corporation of America. Mechanical impedance measuring device. 2,355,194; Aug. 8.
Wilcox, Isaac L., and R. F. Huntley, assignors to Oswego Falls Corporation, Fulton, N. Y. Container cap. 2,355,493; Aug. 8.
Wilhelm, George M., New York, N. Y. Switchboard implement. 2,355,195; Aug. 8.
Wilkie, John B., Silver Spring, Md., dedicated to the free use of the people in the territory of the United States. Device for use as microammeters and potentiometers. 2,355,406; Aug. 8.
Williams, Benjamin M., St. Louis, Mo., and F. L. Rushing, Tampa, Fla., assignors to Gaylord Container Corporation, St. Louis, Mo. Container. 2,355,578; Aug. 8.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Percentage indicating scale. 2,355,350; Aug. 8.
Willing, Joseph E., assignor to General Railway Signal Company, Rochester, N. Y. Primary battery depolarizing system. 2,355,351; Aug. 8.
Willis, Bernard D., deceased, Oak Park, by W. W. Owen, executor, Elgin, Ill., assignor to Automatic Electric Laboratories, Inc. Indicating system. 2,355,352; Aug. 8.
Wilson, Frank H. (See Cooper, Hugh S., assignor.)
Windfields, Limited. (See Duffield, William A., assignor.)
Wing, George S., Hermosa Beach, assignor to North American Aviation, Inc., Inglewood, Calif. Method of riveting. 2,355,579; Aug. 8.
Wing, George S., Hermosa Beach, assignor to North American Aviation, Inc., Inglewood, Calif. High shear rivet. 2,355,580; Aug. 8.
Wise, Edmund M., Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Making nickel-copper alloy castings. 2,355,581; Aug. 8.
Wolfe, Jerome D., New York, N. Y. Slip ring for lighting fixtures. 2,355,353; Aug. 8.
Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Slicing machine. 2,355,354; Aug. 8.
Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Food handling apparatus. 2,355,355; Aug. 8.
Worthington Pump and Machinery Corporation. (See Robinson, Merrill P., assignor.)
Worthington Pump and Machinery Corporation. (See Sebald, Joseph F., assignor.)
Wright Aeronautical Corporation. (See Daub, Rudolph, assignor.)
Wright, Wallace C., Brookfield, N. H. Welt insole and preformed sewing rib therefor. 2,355,383; Aug. 8.
Wyss, Chris, Tillamook, Oreg. Lock for pipe joints. 2,355,407; Aug. 8.
Wyss, Chris, Tillamook, Oreg. Valve and pipe connection. 2,355,408; Aug. 8.
Yale & Towne Manufacturing Company, The. (See Johnstone, Theodore H., assignor.)
Yale & Towne Manufacturing Company, The. (See Quayle, George, assignor.)
Yeasting, Maynard C., Highland Park, Mich., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Dynamometer. 2,355,254; Aug. 8.
Yerkes, Leland A., Boulder City, Nev. Separation of molten magnesium from molten salt baths. 2,355,130; Aug. 8.
Yingling, Frank B., Hamilton, Ohio. Reversible rotary blower. 2,355,494; Aug. 8.
Young, Hobart P., Jr., Winnetka, assignor to Armour and Company, Chicago, Ill. Preparation of amines. 2,355,356; Aug. 8.
Zahodiakin, Victor F., Maplewood, N. J. Fastening device. 2,355,196; Aug. 8.
Zempel, Edward A., Milwaukee, Wis. Counterbore and spot-facer tool. 2,355,582; Aug. 8.
Zern, Warren B., Pottstown, Pa. Woodworking apparatus. 2,355,603; Aug. 8.
Ziegler, Walter H. (See Roos, E., and Ziegler.)
Zier, Edward M., Jr., New Albany, Ind. Heating and air conditioning system. 2,355,495; Aug. 8.
Zimmer, John C., Union, and W. Seitz, Elizabeth, N. J., assignors to Standard Oil Development Company. Nonfoaming oil-containing composition. 2,355,255; Aug. 8.
Zwilgmeyer, Frithjof, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dioxazine-type dyestuffs and preparing the same. 2,355,496; Aug. 8.
Zwilgmeyer, Frithjof, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dioxazine coloring matters and preparing the same. 2,355,497; Aug. 8.

LIST OF PLANT INVENTIONS

Rose plant. F. H. Howard. 636–7; Aug. 8.

LIST OF DESIGN INVENTIONS

Airplane. E. V. Eichman. 138,469; Aug. 8.
Border or similar article, Wall-paper. W. Burton. 138,455–61; Aug. 8.
Bottle. R. B. Karoff. 138,451; Aug. 8.
Bottle and holder or similar article, Combined. R. B. Karoff. 138,452; Aug. 8.
Box, Candy. S. L. Gerson. 138,472; Aug. 8.
Cabinet or similar article, Towel. M. M. Hagedorn. 138,434; Aug. 8.
Case, Calender watch. H. J. Smoleroff. 138,444; Aug. 8.
Doll. N. M. Spiers. 138,445–6; Aug. 8.
Dress. Z. Golden. 138,480–4; Aug. 8.
Dress. H. H. Stahl. 138,487; Aug. 8.
Dress. L. Vincenzo. 138,479; Aug. 8.
Dress. S. Zahn. 138,488–90; Aug. 8.
Golf club head. R. A. Link. 138,437–9; Aug. 8.
Golf club head. R. A. Link. 138,441–2; Aug. 8.
Golf club putter head. R. A. Link. 138,440; Aug. 8.
Handbag, Lady's. I. Basser and G. Pins. 138,449; Aug. 8.
Hanger, Airplane. K. E. Van Scoy. 138,447; Aug. 8.
Hanger, Garment. J. H. Rotheraine. 138,432; Aug. 8.
Lamp supporting attachment structure for chimneys and the like. C. K. Lamb. 138,473; Aug. 8.
Leather or similar article. R. C. Krauss. 138,462; Aug. 8.
Motorcycle. E. H. Erickson. 138,470; Aug. 8.
Pan, Dust. W. Jaffa. 138,435; Aug. 8.
Ring, Finger. C. Gantwarg. 138,471; Aug. 8.
Ring, Teething. H. L. Youngquist. 138,448; Aug. 8.
Rocker toy. E. Peruggi. 138,475; Aug. 8.
Rocker toy. E. Peruggi. 138,477; Aug. 8.
Scraper, Shoe. F. J. Petzke. 138,454; Aug. 8.
Shed, Implement. E. F. Clark. 138,436; Aug. 8.
Slip. E. Samek. 138,467; Aug. 8.
Telecommunication substation set. V. A. Merrill. 138,474; Aug. 8.
Toy. L. E. Pollard. 138,443; Aug. 8.
Toy airplane. F. F. Richter. 138,478; Aug. 8.
Toy animal figure. E. Peruggi. 138,463–6; Aug. 8.
Toy animal figure. E. Peruggi. 138,476; Aug. 8.
Toy pistol. M. Hirsch. 138,485–6; Aug. 8.
Tray, Communion cup. A. P. Lindblad. 138,433; Aug. 8.
Vehicle for children. A. F. Call. 138,468; Aug. 8.
Washboard. A. Loomis. 138,453; Aug. 8.
Watch band or article of similar nature. W. Diehl. 138,450; Aug. 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid metal treating baths. J. F. Walker. 2,355,599; Aug. 8.
Acids, Fluorescein and halogenated fluoresceins dye. W. C. Bainbridge and F. J. Hope. 2,355,359; Aug. 8.
Acids, Hydrogenation of aryl carboxylic. V. N. Ipatieff and V. Haensel. 2,355,219; Aug. 8.
Actuator. W. A. V. Thomsen. 2,355,185; Aug. 8.
Adjusting apparatus. D. T. Robb. 2,355,468; Aug. 8.
Aircraft destroyer. D. K. Kosich. 2,355,447; Aug. 8.
Airplane flight indicator. H. F. De Weese. 2,355,517; Aug. 8.
Airplane retractible tail wheel or skid mount. E. A. Eddy. 2,355,210; Aug. 8.
Alarm device, Electromagnetic. J. H. Rubenstein. 2,355,395; Aug. 8.
Aldehyde-ketone mixtures, Separation of. J. E. Bludworth. 2,355,140; Aug. 8.
Alloy: *See*—
  Ferrous alloy.
  Steel alloy.
Allyl and methallyl esters of alpha-hydroxy-isobutyric and alpha-acetoxy-isobutyric acids. C. E. Rehberg and C. H. Fisher. 2,355,330; Aug. 8.
Amide wetting, detergent and sudsing agent, Sulphated. H. Bertsch. 2,355,503; Aug. 8.
Amines, Preparation of. H. P. Young, Jr. 2,355,356; Aug. 8.
Anhydrous $MgCl_2$, Producing. H. S. Cooper. 2,355,367; Aug. 8.
Antenna, Artificial. M. Cawein. 2,355,275; Aug. 8.
Apparatus and process for sterilizing and destroying epithelial tissues. C. E. Moore. 2,355,231; Aug. 8.
Apparatus for coating or saturating material. W. G. Davis. 2,355,278; Aug. 8.
Apparatus for coating tire articles. C. W. Leguillon. 2,355,382; Aug. 8.
Apparatus for conching chocolate. G. Lawton. 2,355,539; Aug. 8.
Apparatus for deaerating viscose compositions. N. A. Copeland. 2,355,057; Aug. 8.
Apparatus for drying helmets and the like. W. J. Miskella. 2,355,459; Aug. 8.
Apparatus for feeding tapered articles. R. W. Harris and G. Dearsley. 2,355,158; Aug. 8.
Apparatus for filtering and dehydrating fluids. L. E. Hankison. 2,355,373; Aug. 8.
Apparatus for making beverages. E. B. Moore. 2,355,094; Aug. 8.
Apparatus for measuring steam-gas ratio. E. H. Brown. 2,355,052; Aug. 8.
Apparatus for mining, loading, and conveying material. R. and R. Peale, Jr. 2,355,178; Aug. 8.
Apparatus for producing air colloids. L. Nusbaum. 2,355,550; Aug. 8.
Apparatus for reducing fire hazards of engine compartments. C. D. Otto and J. A. McDonnell. 2,355,103; Aug. 8.
Apparatus for sealing containers. H. E. Stover. 2,355,478; Aug. 8.
Apparatus for sealing containers. H. E. Stover. 2,355,480; Aug. 8.
Apparatus for the treatment and removal of chemicals from cooked or digested fiber pulp. M. C. McDonald. 2,355,091; Aug. 8.
Appendage moistener. W. J. Miller and L. P. Reese. 2,355,172; Aug. 8.
Asphalt composition capable of cold application. J. C. Roediger. 2,355,242; Aug. 8.
Assembling apparatus. H. W. Garbe. 2,355,522; Aug. 8.
Attaching means. K. J. J. McGowan. 2,355,544; Aug. 8.
Attaching means for closures. H. R. Hustad. 2,355,377; Aug. 8.
Automatic gun selector. G. W. Pontius, III. 2,355,179; Aug. 8.
Automatic reel. R. A. Moravek. 2,355,318; Aug. 8.
Automobile body heater. H. J. Findley. 2,355,151; Aug. 8.
Bag. W. A. Lurie. 2,355,313; Aug. 8.
Band leveling apparatus. E. M. Kratz. 2,355,448; Aug. 8.
Battery charging system. J. Van Vulpen and E. H. Burgess. 2,355,488; Aug. 8.
Battery construction. H. R. C. Anthony and H. G. Friang. 2,355,197; Aug. 8.
Battery depolarizing system. J. E. Willing. 2,355,351; Aug. 8.
Bearing. D. Murphy. 2,355,390; Aug. 8.
Bearings for rolling mills, mixers, and calenders. J. Brown. 2,355,507; Aug. 8.
Beheading machine, Fish. A. L. Christiansen. 2,355,509; Aug. 8.
Belting. G. A. Schieren, Jr. 2,355,113; Aug. 8.
Berry picking machine. R. W. Case. 2,355,273; Aug. 8.
Binder, Looseleaf. A. G. Lotter. 2,355,223; Aug. 8.
Blade magazine. J. R. Reyburn. 2,355,181; Aug. 8.
Blasting explosive. R. W. Cairns. 2,355,269; Aug. 8.
Block and manufacture, Construction. H. H. Blau. 2,355,262; Aug. 8.
Blower, Reversible rotary. F. B. Yingling. 2,355,404; Aug. 8.
Blowing machine. F. W. Anderson. 2,355,358; Aug. 8.
Boiler: *See*—
  Watertube boiler.
Boiler-feed system. R. R. Waterman. 2,355,125; Aug. 8.
Boiler feed water control. J. A. Campbell. 2,355,270; Aug. 8.
Bolt, Sectional. H. Akin, Sr. 2,355,498; Aug. 8.
Bomb-handling equipment. C. G. Trimbach. 2,355,341; Aug. 8.
Bookbinder. A. Freundlich. 2,355,214; Aug. 8.
Bottle-washing machine. P. C. Read. 2,355,239; Aug. 8.
Box: *See*—
  Folding food serving box.
Brace, Bolster center. F. G. Garlock and J. R. Mull. 2,355,524; Aug. 8.
Brake: *See*—
  Rotor brake.
Brake. R. T. Burnett. 2,355,143; Aug. 8.
Brake. L. C. Daniels. 2,355,425; Aug. 8.
Brake lining, Composite. D. S. Bruce. 2,355,419; Aug. 8.
Brake system. J. W. Teker. 2,355,484; Aug. 8.
Brakes for velocipedes, Making backpedaling. S. B. Kurzina, Jr. 2,355,308; Aug. 8.
Broiler unit. H. Moecker, Jr., and W. Lotter. 2,355,230; Aug. 8.
Buckle, Ratchet clamp attached overall. R. R. Roberts, T. T. Russell, and R. J. Hodge. 2,355,331; Aug. 8.
Building, Prefabricated. K. L. Wachsmann and W. Gropius. 2,355,192; Aug. 8.
Building with air supported roof and constructing the same. H. H. Stevens, Jr. 2,355,248; Aug. 8.
Burner: *See*—
  Pilot burner.
  Two-level liquid fuel burner.
Burner. J. N. Junkins. 2,355,080; Aug. 8.
Burner control system, Automatic. F. E. Lange. 2,355,309; Aug. 8.
Burner control system, Fuel. G. I. Holmes. 2,355,296; Aug. 8.
Burner observation means for heaters. S. Perry. 2,355,466; Aug. 8.
Burring machine. R. G. Cudini. 2,355,601; Aug. 8.
Button, Warning light and test. C. A. de Giers. 2,355,149; Aug. 8.
Cable clamping means. H. Johanson. 2,355,166; Aug. 8.
Calculating machine. R. S. Nilsson. 2,355,462; Aug. 8.
Camera device. A. V. Bedford. 2,355,136; Aug. 8.
Can filling machine. J. D. Le Frank. 2,355,089; Aug. 8.
Can motion, Silver. F. K. Hendrickson. 2,355,071; Aug. 8.
Cap: *See*—
  Container cap.
  Decorative container cap.
Cap-feeding apparatus. H. E. Stover. 2,355,479; Aug. 8.
Cap-feeding apparatus. H. E. Stover. 2,355,481; Aug. 8.
Capsule making method and machine. E. A. Ravenscroft and R. E. Jordan. 2,355,329; Aug. 8.
Carbon black, Testing. S. C. Carney. 2,355,146; Aug. 8.
Carbonaceous material, Thermal treatment of. M. Wilhelm, O. Goehre, G. Free, W. Von Fuener and W. Schneider. 2,355,388; Aug. 8.
Carburetor. H. W. Boylan. 2,355,267; Aug. 8.
Carburetor accelerating pump. W. H. Weber. 2,355,346; Aug. 8.
Carrier: *See*—
  Pull rod carrier.
Case: *See*—
  Lipstick case.
Cathode-ray ignition analyzer. P. S. Christaldi. 2,355,363; Aug. 8.
Cell assembling process and apparatus. C. R. Nichols, Jr. 2,355,461; Aug. 8.
Cellulose derivatives, Preparation of high molecular. S. Petersen and K. Taube. 2,355,326; Aug. 8.
Cellulose ester compositions. W. H. Holst. 2,355,533; Aug. 8.
Chain breaker. E. G. Gartin. 2,355,523; Aug. 8.
Changeable sign. J. Dow. 2,355,518; Aug. 8.
Check and closer, Door. G. L. Danley. 2,355,276; Aug. 8.
Chest. E. Roos, Jr., and W. H. Ziegler. 2,355,332; Aug. 8.
Cigarette holder and butt ejector. A. Di Rubbio. 2,355,368; Aug. 8.

Circuit: *See*—
Electric valve circuit. Multiband receiver circuit
Lockout telephone line circuit. Wave length modulation circuit.
Circuit breaker, Electric. C. G. Suits. 2,355,482; Aug. 8.
Circuit breaker operating mechanism. O. Jensen. 2,355,075; Aug. 8.
Clamp: *See*—
Printing plate clamp. Safety hose clamp.
Clamp. C. L. McCullough. 2,355,386; Aug. 8.
Cleaner: *See*—
Suction cleaner.
Clip: *See*—
Conduit supporting clip.
Closure mechanism. H. G. Skaller. 2,355,475; Aug. 8.
Cloth-spreading machine. T. J. Gundlach. 2,355,526; Aug. 8.
Clutch: *See*—
Overload release clutch.
Coated fabric and application. B. R. Hanson. 2,355,157; Aug. 8.
Coil winding apparatus. E. H. Lane. 2,355,538; Aug. 8.
Coin packer. S. R. Blackstone. 2,355,201; Aug. 8.
Coke removal. L. A. Ohlinger and H. A. Heiss. 2,355,323; Aug. 8.
Collapsible fuel tank. C. Kurrle. 2,355,084; Aug. 8.
Combination lock. S. S. Karavia. 2,355,301; Aug. 8.
Combustion chamber. J. F. Straitz. 2,355,572; Aug. 8.
Communion set, Dual cross. D. Goudreau. 2,355,154; Aug. 8.
Compass, Beam. L. R. Halstead. 2,355,585; Aug. 8.
Composite pile, Prestressed. M. M. Upson. 2,355,190; Aug. 8.
Composite products, Manufacture of. K. Dammann. 2,355,424; Aug. 8.
Concentrating table. C. C. Herbert. 2,355,374; Aug. 8.
Concrete-form structure. J. Huddleston and E. W. Simpson. 2,355,376; Aug. 8.
Condensation product, Producing. E. Schirm. 2,355,114; Aug. 8.
Conduit supporting clip. E. M. Morehouse. 2,355,096; Aug. 8.
Conduit supporting clip. B. F. Schmidt. 2,355,115; Aug. 8.
Confection packaging machine. S. F. Anderson 2,355,500; Aug. 8.
Connector for electric wires. W. R. Main. 2,355,387; Aug. 8.
Container: *See*—
Record card container. Tubular container.
Container. A. E. Alingren. 2,355,044; Aug. 8.
Container. G. C. Erb and G. W. Reese. 2,355,062; Aug. 8.
Container. W. H. Newton. 2,355,233; Aug. 8.
Container. G. W. Reese. 2,355,108; Aug. 8.
Container. B. M. Williams and F. L. Rushing. 2,355,578; Aug. 8.
Container cap. I. L. Wilcox, and R. F. Huntley. 2,355,493; Aug. 8.
Container closure. J. M. Hothersall. 2,355,074; Aug. 8.
Containers, Cover for. F. Renner. 2,355,559; Aug. 8.
Control apparatus. H. T. Sparrow. 2,355,567; Aug. 8.
Control mechanism for commercial laundry washing machines. S. M. Hovey. 2,355,162; Aug. 8.
Control mechanism, Preselection. W. P. Lear. 2,355,381; Aug. 8.
Control system for excavators. F. L. White. 2,355,252; Aug. 8.
Controller for electric motors. G. R. Radley and E. W. Seeger. 2,355,557; Aug. 8.
Conveyer. R. E. J. Nordquist. 2,355,100; Aug. 8.
Conveyer for combustion apparatus. C. Scholl. 2,355,244; Aug. 8.
Conveyer, Portable. J. J. Flanagan. 2,355,213; Aug. 8.
Conveyer, Shaker. H. Linkowski. 2,355,452; Aug. 8.
Corn, Processing. S. Musher. 2,355,098; Aug. 8.
Counter bore and spot-facer tool. E. A. Zempel. 2,355,582; Aug. 8.
Coupler. J. H. Billings. 2,355,042; Aug. 8.
Crane, Ship. E. B. Nickles. 2,355,235; Aug. 8.
Crib and the like, Infant's. B. K. Giesler. 2,355,525; Aug. 8.
Crushing machinery. G. W. Borton. 2,355,050; Aug. 8.
Cultivator. R. E. Dunham. 2,355,519; Aug. 8.
Culvert and the like, Reinforced. G. E. Shafer. 2,355,336; Aug. 8.
Curtain rod. G. B. Waddell. 2,355,489; Aug. 8.
Cushion blanking die. R. Peterson. 2,355,556; Aug. 8.
Cutter: *See*—
Vegetable cutter.
Decorative container cap. P. A. Derham and J. H. Newport, Jr. 2,355,583; Aug. 8.
Delineated area. W. H. Flood. 2,355,430; Aug. 8.
Deposits, by spraying, Forming. W. MacWilliam. 2,355,225; Aug. 8.
Desuperheating valve. H. J. Mastenbrook. 2,355,458; Aug. 8.
Detector, Bulged can. H. M. Braucher. 2,355,051; Aug. 8.
Device for use as microammeters and potentiometers. J. B. Wilkie. 2,355,406; Aug. 8.
Device to detect skew in fabric. W. C. Oberkirk. 2,355,465; Aug. 8.
Die: *See*—
Cushion blanking die.
Dioxazine coloring matters and preparing the same. F. Zwilgmeyer. 2,355,497; Aug. 8.
Dioxazine-type dyestuffs and preparing the same. F. Zwilgmeyer. 2,355,496; Aug. 8.
Direct drive electric power tool. W. E. Raney. 2,355,558; Aug. 8.
Door: *See*—
Furnace door.
Door assembly for vending machines, Cup chamber. L. W. Doggett. 2,355,426; Aug. 8.
Door handle assembly, Outside. J. W. Lakin. 2,355,449; Aug. 8.
Drill bushing. C. F. Fink. 2,355,286; Aug. 8.
Drilling apparatus. C. W. Van Wormer. 2,355,342; Aug. 8.
Drilling unit for jigs or the like. S. Bloomfield. 2,355,263; Aug. 8.
Drive, Vehicle. R. G. Anderson. 2,355,409; Aug. 8.
Dry cell apparatus. G. H. Nelson and A. M. MacFarland. 2,355,232; Aug. 8.
Dry cleaning system. M. Busi. 2,355,508; Aug. 8.
Dynamometer. M. C. Yeasting. 2,355,254; Aug. 8.
Edge setting machine. W. Hamann and R. H. Weller. 2,355,217; Aug. 8.
Electric filter. A. J. Dévot. 2,355,516; Aug. 8.
Electric hoist. H. F. Parker. 2,355,325; Aug. 8.
Electric motor. B. G. Olving. 2,355,175; Aug. 8.
Electric relay system. C. P. Clare. 2,355,055; Aug. 8.
Electric switch. F. E. Lange. 2,355,222; Aug. 8.
Electric valve circuit. O. W. Livingston. 2,355,453; Aug. 8.
Electrical coupling device. W. M. Roberds. 2,355,560; Aug. 8.
Electrical gaseous discharge lamp. C. G. Smith. 2,355,117; Aug. 8.
Electrical relay. P. N. Martin. 2,355,543; Aug. 8.
Electrode assembly for discharge tubes. N. B. Krim. 2,355,083; Aug. 8.
Electrodes in ceramic insulators, Sealing spark plug. J. A. Jeffery. 2,355,443; Aug. 8.
Electrolytic deposition of metal. C. G. Harford. 2,355,070; Aug. 8.
Electromagnetic device. H. B. Behlmer. 2,355,137; Aug. 8.
Electromagnetic device. T. J. Pethes, Jr. 2,355,237; Aug. 8.
Electron discharge device and assembly thereof. C. T. Goddard. 2,355,432; Aug. 8.
Electroplating apparatus. R. H. Olsen. 2,355,236; Aug. 8.
Elevator control. L. F. Jaseph. 2,355,164; Aug. 8.
Enamelware equipment, Repair of vitreous. S. W. Sheoard and J. S. Magielnicki. 2,355,474; Aug. 8.
Endless-band tool. H. Testo. 2,355,124; Aug. 8.
Engine: *See*—
Internal combustion engine. Multiple piston engine.
Equipment for locomotive fireboxes. C. A. Siegel. 2,355,400; Aug. 8.
Esters, Producing amine alcohol. D. W. Yayne, Jr., and H. M. Day. 2,355,442; Aug. 8.
Ether amines, Preparation of. Le R. U. Spence. 2,355,337; Aug. 8.
Exerciser, Infant. H. J. Smith. 2,355,569; Aug. 8.
Explosively actuated apparatus for perforating submerged or other articles. P. Cox. 2,355,513; Aug. 8.
Extract useful for addition to foods for antioxidant and other purposes, Oat. S. Musher. 2,355,097; Aug. 8.
Faceplate arrangement. E. A. Pihl and H. M. Ring. 2,355,260; Aug. 8.
Fastener: *See*—
Slide fastener.
Fastening device. V. F. Zahodiakin. 2,355,196; Aug. 8.
Fastening device. G. A. Tinnerman. 2,355,485–6; Aug. 8.
Faucet for dispensing carbonated beverages. C. L. Daun. 2,355,205; Aug. 8.
Feeding mechanism for sewing machine heads. E. H. Tozier. 2,355,189; Aug. 8.
Ferrous alloy. A. T. Cape. 2,355,271; Aug. 8.
Fibers and products resulting therefrom, Methods and solutions for treating. G. M. Rieckus, S. G. Hoffman, S. C. Carpenter, Jr., and W. W. Harris. 2,355,598; Aug. 8.
Film reel. J. M. Kuhlik. 2,355,594; Aug. 8.
Filter: *See*—
Electric filter.
Fire extinguisher. S. V. Swarr, Sr. 2,355,483; Aug. 8.
Firing safety attachment, Blank. H. R. Audet. 2,355,045; Aug. 8.
Fishing reel. H. F. Khoenle. 2,355,445; Aug. 8.
Fixtures, Testing. C. Paulson. 2,355,555; Aug. 8.
Float. E. F. Rupp. 2,355,396; Aug. 8.
Fluorescent tube system apparatus. C. P. Boucher and A. E. Noble. 2,355,360; Aug. 8.
Folding and stacking machine and control therefor. J. E. Preston. 2,355,105; Aug. 8.
Folding food serving box. S. O. Davidson, Jr. 2,355,206; Aug. 8.
Food composition. S. Musher. 2,355,547; Aug. 8.
Food handling apparatus. G. R. Wood. 2,355,355; Aug. 8.

Foods, Preparing. B. Ross. 2,355,394; Aug. 8.
Form for windings and the like. W. F. Stahl. 2,355,477; Aug. 8.
Formaldehyde reaction product and its preparation. J. F. Walker. 2,355,600; Aug. 8.
Frequency modulation signal generator. A. W. Stewart. 2,355,338; Aug. 8.
Fuel composition. F. M. Seger and E. M. Nygaard. 2,355,261; Aug. 8.
Fuels, Manufacture of motor. Le R. G. Story. 2,355,339; Aug. 8.
Furnace: *See*—
Rotary nosing-in furnace.
Furnace door. W. C. Bulmer. 2,355,142; Aug. 8.
Furnace for the electrothermal production of magnesium. A. von Zoerleder and W. Syz. 2,355,343; Aug. 8.
Furniture, Knockdown. G. Lew. 2,355,541; Aug. 8.
Fuse clamping means. E. W. Landmeier. 2,355,085; Aug. 8.
Game. E. Storey. 2,355,118; Aug. 8.
Garment, Nether. L. E. Virden and K. L. Skidmore. 2,355,404; Aug. 8.
Garment, Overall. U. S. Walker. 2,355,193; Aug. 8.
Garment shaping form, Adjustable. H. Z. White. 2,355,577; Aug. 8.
Garment, Sleeping. M. N. Bell. 2,355,138; Aug. 8.
Gases, Treatment of hydrocarbon. S. S. Chazanow. 2,355,147; Aug. 8.
Gear assembly, Self-aligning. B. G. Carlson. 2,355,144; Aug. 8.
Generator: *See*—
Frequency modulation signal generator.
Girdle and corset stay. C. H. Van Allan. 2,355,575; Aug. 8.
Glass article handling apparatus. L. N. Pond. 2,355,597; Aug. 8.
Globe, World. W. F. Koch. 2,355,304; Aug. 8.
Grading machine. D. Kolleda. 2,355,131; Aug. 8.
Gravity meter. D. H. Clewell and H. A. Maeder. 2,355,421; Aug. 8.
Grommet. L. G. Webster and F. J. Rees. 2,355,126; Aug. 8.
Guard and screen, Window. E. H. Lunken. 2,355,170; Aug. 8.
Guard plate for mowers. H. Flohr, Jr. 2,355,063; Aug. 8.
Guide, Band-tool. H. Testo. 2,355,602; Aug. 8.
Guide, Stamp removal. C. N. Otte. 2,355,552; Aug. 8.
Gun, Dust. R. J. White. 2,355,127; Aug. 8.
Gun, Paper breaking. O. A. Langos. 2,355,595; Aug. 8.
Halides, Preparation of alicyclic-alkyl. R. P. Perkins. 2,355,586; Aug. 8.
Halobutenes, Stabilization of. R. C. Morris and E. C. Shokal. 2,355,319; Aug. 8.
Handbag or the like. M. Greenfield. 2,355,155; Aug. 8.
Handle for mattresses and cushions. M. Bechik. 2,355,200; Aug. 8.
Handset telephone mounting. H. F. Obergfell. 2,355,464; Aug. 8.
Hat brim flanging machine. H. H. Kaufman and R. G. Segschneider. 2,355,380; Aug. 8.
Heat motor. A. E. Baak. 2,355,041; Aug. 8.
Heater: *See*—
Automobile body heater. Water heater.
Heating and air conditioning system. E. M. Zier, Jr. 2,355,495; Aug. 8.
Hides and skins, Cleaning. R. F. Knight. 2,355,221; Aug. 8.
Hinge. G. A. Loftin. 2,355,542; Aug. 8.
Holder: *See*—
Hose holder. Quick-release holder.
Holder for bobbins in transfer mechanism. T. J. Levesque. 2,355,596; Aug. 8.
Hone gauging device. R. Mestas. 2,355,316; Aug. 8.
Hose holder. W. L. Rombach. 2,355,562; Aug. 8.
Housing structure, Knocked-down. A. L. Strope. 2,355,340; Aug. 8.
Hydraulic operator. R. L. Harter. 2,355,434; Aug. 8.
Hydrocarbons, Catalytic conversion of. H. V. Atwell. 2,355,198; Aug. 8.
Hydrocarbons from natural gas, Extraction of. D. G. Brandt. 2,355,588; Aug. 8.
Hydrocarbons from primary aliphatic amines, Preparation of unsaturated. M. R. McCorkle. 2,355,314; Aug. 8.
Hydrocarbons, Recovery of. P. C. Keith. 2,355,167; Aug. 8.
Hydrocarbons, Recovery of light. D. G. Brandt. 2,355,589; Aug. 8.
Hydrocarbons, Treatment of. H. R. Johnson. 2,355,076–8;
Hydrocarbons, Treatment of. G. G. Oberfell. 2,355,392; Aug. 8.
Ice skates. W. Sim and K. M. Shields. 2,355,401; Aug. 8.
Image reproducing device. P. T. Farnsworth. 2,355,212; Aug. 8.
Indicating system. B. D. Willis. 2,355,352; Aug. 8.
Indication apparatus. E. M. Allen. 2,355,499; Aug. 8.
Indicator: *See*—
Airplane flight indicator. Tire pressure indicator.
Pressure indicator.
Indicator and recorder, Signal. L. E. Barton. 2,355,502; Aug. 8.
Indicator for ignition generators, Contact opening. T. A. Erickson. 2,355,211; Aug. 8.
Insole and preformed sewing rib therefor, Welt. W. C. Wright. 2,355,383; Aug. 8.
Internal-combustion engine. R. Daub. 2,355,277; Aug. 8.
Internal combustion engine. J. T. Love and A. L. Hoffman. 2,355,090; Aug. 8.
Iron: *See*—
Production of cast iron.
Isomerization process. W. A. Schulze. 2,355,563; Aug. 8.
Joint or terminal, Cable. A. Meyerhans and H. Hartmann. 2,355,545; Aug. 8.
Ketones, Bromination of. F. Bergel. 2,355,410; Aug. 8.
Keyhole cover and assembly. T. H. Johnstone. 2,355,300; Aug. 8.
Ladder, Jacob's. E. J. Schneider. 2,355,399; Aug. 8.
Ladder tapes, Loom for weaving. E. R. Holmes. 2,355,531; Aug. 8.
Ladder tapes, Weaving. E. R. Holmes. 2,355,532; Aug. 8.
Lamp: *See*—
Electric gaseous discharge lamp. Ultraviolet fluorescent lamp.
Life preserver light. H. M. Slocum. 2,355,247; Aug. 8.
Life-preserver and swimming aid device. E. Eastman. 2,355,060; Aug. 8.
Lifter: *See*—
Track lifter.
Light: *See*—
Life preserver light.
Light sensitive device. H. Abramson and C. Eckers. 2,355,256; Aug. 8.
Lightning arrester. A. J. Wayman. 2,355,490; Aug. 8.
Lipstick case. D. M. See. 2,355,565; Aug. 8.
Liquid fuel burner and thermal control valve therefor. J. L. Breese. 2,355,417; Aug. 8.
Liquid-treating and anti-short-circuiting device. H. J. B. Scharnberg. 2,355,397; Aug. 8.
Liquid treating apparatus and process. W. H. Green. 2,355,069; Aug. 8.
Liquids, Purifying hydrocarbon. T. S. Hamilton. 2,355,291; Aug. 8.
Loading device. J. H. Holstein. 2,355,534; Aug. 8.
Lock: *See*—
Combination lock.
Lock for pipe joints. C. Wyss. 2,355,407; Aug. 8.
Locking device for screw joints. G. L. Ericsson. 2,355,285; Aug. 8.
Locking device for turrets. F. S. Shields. 2,355,246; Aug. 8.
Lockout telephone line circuit. J. I. Bellamy. 2,355,139; Aug. 8.
Loom: *See*—
Wire fabric loom.
Looms, Picker motion for. Le R. Layton and E. W. Shertz. 2,355,540; Aug. 8.
Lubricating composition. C. F. Prutton. 2,355,106; Aug. 8.
Lubricating composition. LeG. Morell and A. T. Knutson. 2,355,173; Aug. 8.
Machine for applying closures to bottles. E. N. Lowry. 2,355,385; Aug. 8.
Machine for coaxial cable insulation. C. A. Raabe. 2,355,238; Aug. 8.
Machine for press forming sheetlike articles. S. H. Miller, G. L. Jenkins, and F. T. McGuire, Jr. 2,355,093; Aug. 8.
Machine for testing articles having parts subject to centrifugal action. I. Meister. 2,355,092; Aug. 8.
Machine tool. E. J. Kearney. 2,355,082; Aug. 8.
Magnifying attachment for rules. F. F. Holstein. 2,355,161; Aug. 8.
Mailing folder, Multiple use. LeR. Welliver and H. H. Sievers. 2,355,348; Aug. 8.
Margin justifier, Typewriter. J. S. Edison. 2,355,284; Aug. 8.
Mask, Face. A. M. S. Diss. 2,355,283; Aug. 8.
Masses, Preparation of artificial. G. Ganz. 2,355,521; Aug. 8.
Material working tool. O. P. Lindberg. 2,355,451; Aug. 8.
Materials, Textile. L. H. Bock and A. L. Houk. 2,355,265; Aug. 8.
Measuring and control apparatus. H. S. Jones. 2,355,537; Aug. 8.
Measuring device. F. W. Whitlock. 2,355,128; Aug. 8.
Measuring device, Mechanical impedance. A. M. Wiggins. 2,355,194; Aug. 8.
Mercaptans, Purification of. W. L. Semon. 2,355,333; Aug. 8.
Metal treating machine, Automatic. A. Szabo, Jr. 2,355,249; Aug. 8.
Metallic deposit on the surface of objects, Forming bright. M. Tischer. 2,355,186; Aug. 8.
Metallic element for reinforcing concrete. W. J. M. Haines. 2,355,156; Aug. 8.
Metallurgical apparatus. W. E. Moore. 2,355,095; Aug. 8.
Meter: *See*—
Gravity meter.
Metering device for X-ray apparatus. E. B. Graves. 2,355,068; Aug. 8.
Milk, Packaging. J. M. Hothersall. 2,355,073; Aug. 8.
Mill scale settling tank. E. A. Koenig. 2,355,305; Aug. 8.
Mining apparatus. C. F. Osgood. 2,355,176; Aug. 8.
Mobile unit with foreign body localizer. E. R. Goldfield, R. S. Schiring, and R. J. Stava. 2,355,066; Aug. 8.

Modulating system, Nonlinear. J. A. Bennett. 2,355,047; Aug. 8.
Modulating system. H. M. Crosby. 2,355,422; Aug. 8.
Molten magnesium from molten salt baths, Separation of. L. A. Yerkes. 2,355,130; Aug. 8.
Motor: *See*—
Electric motor. Heat motor.
Motor. E. J. Ruthman. 2,355,472; Aug. 8.
Motor controller. J. M. Newman. 2,355,321; Aug. 8.
Motor-driven tool. H. E. Meltzer. 2,355,228; Aug. 8.
Motor-generator. G. C. Devol and H. Langstroth. 2,355,208; Aug. 8.
Mount, Engine. C. J. Frey. 2,355,370; Aug. 8.
Mounting: *See*—
Handset telephone mounting. Ophthalmic mounting.
Resilient mounting.
Multiband receiver circuit. C. S. Root. 2,355,470; Aug. 8.
Multiple piston engine. A. C. Johnson. 2,355,379; Aug. 8.
N-acyl-n-alkanol aromatic amines. A. B. Boese, Jr. 2,355,141; Aug. 8.
Nickel-copper alloy castings, Making. E. M. Wise. 2,355,581; Aug. 8.
Noise reduction system. F. F. Shoup. 2,355,182; Aug. 8.
Nut, Bolt and lock. J. E. Whitfield. 2,355,253; Aug. 8.
Oil, Catalytically desulphurizing hydrocarbon. M. W. Conn. 2,355,366; Aug. 8.
Oil composition, Mineral. D. E. Badertscher. 2,355,257; Aug. 8.
Oil-containing composition, Nonfoaming. J. C. Zimmer and W. Seitz. 2,355,255; Aug. 8.
Oil, Mineral. O. M. Reiff. 2,355,240; Aug. 8.
Oil pilot with supplemental air supply. J. L. Breese. 2,355,416; Aug. 8.
Oils, Aluminum chloride treatment of hydrocarbon. V. I. Komarewsky and L. A. Mekler. 2,355,446; Aug. 8.
Oils, Flushing. M. T. Flaxman. 2,355,591; Aug. 8.
Ophthalmic mounting. D. P. Bernheim. 2,355,048; Aug. 8.
Ophthalmic mounting. G. W. Carlson. 2,355,053; Aug. 8.
Optical device and making same. V. Walker. 2,355,345; Aug. 8.
Ore concentrator. C. C. Herbert. 2,355,375; Aug. 8.
Ores, Concentration of sylvinite. A. T. Cole. 2,355,365; Aug. 8.
Oscillation record. P. Schoonenberg, J. J. Hardenberg, and C. J. Dippel. 2,355,398; Aug. 8.
Overload release clutch. F. Cartlidge. 2,355,202; Aug. 2.
Package. B. H. Voss. 2,355,250; Aug. 8.
Pad equipment, Writing. A. Brooksbank. 2,355,506; Aug. 8.
Panel, Vibration damped. F. M. Smith. 2,355,568; Aug. 8.
Paper coating. H. F. Gardner. 2,355,065; Aug. 8.
Papermaking method and apparatus. R. F. Nelson and J. N. Tuttle. 2,355,391; Aug. 8.
Paper pulp stock washer. L. J. Scheid. 2,355,243; Aug. 8.
Pebbles, Treating. F. C. McGaughy. 2,355,171; Aug. 8.
Perforating apparatus. A. C. Holt. 2,355,297; Aug. 8.
Petroleum sulphonate derivates. L. Liberthson. 2,355,310; Aug. 8.
Phonograph system. H. M. Bishop. 2,355,504; Aug. 8.
Phosphatide composition, Preparation of a. P. L. Julian and E. W. Meyer. 2,355,081; Aug. 8.
Photographic recording machine. J. W. Bryce. 2,355,268; Aug. 8.
Piecrust trimming ring. H. F. Kors. 2,355,307; Aug. 8.
Pigment, Manufacturing titanium. S. P. Todd and F. C. Verduin. 2,355,187; Aug. 8.
Pilot burner. S. S. Guelson. 2,355,216; Aug. 8.
Piping arrangement. A. Howard. 2,355,440; Aug. 8.
Pitch propeller assembly, Variable. H. K. Moore. 2,355,317; Aug. 8.
Planter attachment. K. Powers. 2,355,393; Aug. 8.
Plaster, Manufacture of set stabilized. D. D. Crandell. 2,355,058; Aug. 8.
Plastic compound and making same. M. de B. Remy. 2,355,180; Aug. 8.
Plug: *See*—
Spark plug. Well plug.
Polymers of alkyl glycosides and preparing the same. R. S. Schreiber and J. H. Werntz. 2,355,245; Aug. 8.
Power supply for electron microscopes. A. W. Vance. 2,355,191; Aug. 8.
Power take-off. H. W. Cardwell. 2,355,272; Aug. 8.
Power-transmission means for motor vehicles. L. A. Koevort. 2,355,306; Aug. 8.
Press: *See*—
Printing press.
Press. W. J. Carter. 2,355,420; Aug. 8.
Press. F. E. Stratton. 2,355,119; Aug. 8.
Pressure indicator. S. D. Lavole. 2,355,088; Aug. 8.
Printing plate clamp. H. M. Barber. 2,355,134; Aug. 8.
Printing press. F. R. Belinche. 2,355,046; Aug. 8.
Production of cast iron. J. T. Eash. 2,355,059; Aug. 8.
Proofing apparatus and process. J. F. Hawley. 2,355,529; Aug. 8.
Proofing process. J. F. Hawley. 2,355,530; Aug. 8.
Propulsive unit. F. A. Howard. 2,355,218; Aug. 8.
Pull rod carrier. R. H. Carr. 2,355,054; Aug. 8.
Pump: *See*—
Carburetor accelerating pump.
Punching apparatus, Sheet material. G. F. Wales. 2,355,344; Aug. 8.
Quenching apparatus. H. E. Somes. 2,355,184; Aug. 8.
Quick-release holder. R. E. Birdsall. 2,355,049; Aug. 8.
Railway track lubricating apparatus. T. E. Rodman and H. G. Warr. 2,355,241; Aug. 8.
Record card container. R. B. Johnson. 2,355,299; Aug. 8.
Recorder, Multistylus facsimile. W. G. H. Finch. 2,355,369; Aug. 8.
Recording machine. A. W. Mills, E. J. Rabenda, F. J. Furman, and E. J. Keough. 2,355,389; Aug. 8.
Reel: *See*—
Automatic reel. Fishing reel.
Film reel.
Refrigerating apparatus. D. F. Alexander, J. R. Hornaday, and A. J. Kuhn. 2,355,040; Aug. 8.
Refrigerating apparatus. J. L. Gibson. 2,355,289; Aug. 8.
Register translator or like device. D. L. Heptinstall. 2,355,437; Aug. 8.
Remote control mechanism. P. B. Reeves. 2,355,587; Aug. 8.
Reproducing machine. E. P. Riddick. 2,355,109; Aug. 8.
Residues, Production of riboflavin from fermentation. J. C. Keresztesy and E. Rickes. 2,355,220; Aug. 8.
Resilient mounting. C. Macbeth. 2,355,456; Aug. 8.
Resinous products. S. Sussman. 2,355,402; Aug. 8.
Ring: *See*—
Pie-crust trimming ring.
Ring for lighting fixtures, Slip. J. D. Wolfe. 2,355,353; Aug. 8.
Rivet. K. W. Horton and C. H. Andros. 2,355,439; Aug. 8.
Rivet, High shear. G. S. Wing. 2,355,580; Aug. 8.
Riveter, Compression. H. R. Fischer and J. A. Roberts. 2,355,520; Aug. 8.
Riveting. G. S. Wing. 2,355,579; Aug. 8.
Rivets, Process and apparatus for making hollow. J. H. Friedman. 2,355,064; Aug. 8.
Rod: *See*—
Curtain rod.
Roll, Top. L. D. Cobb. 2,355,510–1; Aug. 8.
Rotary nosing-in furnace. B. G. Harmon. 2,355,527; Aug. 8.
Rotor brake. C. E. Tack. 2,355,120; Aug. 8.
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Rotor brake. C. E. Tack. 2,355,122; Aug. 8.
Rotor brake. C. E. Tack and A. H. Wesley. 2,355,123; Aug. 8.
Safety device. J. H. Brown. 2,355,361; Aug. 8.
Safety device, Thermoelectric. H. A. Mantz. 2,355,227; Aug. 8.
Safety hose clamp. G. C. Jerman. 2,355,165; Aug. 8.
Salvage device, Marine. W. B. Lang. 2,355,086; Aug. 8.
Sausage composition. S. Musher. 2,355,548; Aug. 8.
Scale, Percentage indicating. L. S. Williams. 2,355,350; Aug. 8.
Scale, Weighing. H. W. Hem. 2,355,292–3; Aug. 8.
Scale, Weighing. M. A. Weckerly. 2,355,347; Aug. 8.
Scales from fish, Method and apparatus for. M. P. Vucassovich. 2,355,405; Aug. 8.
Scarf, Neck. N. Gold. 2,355,290; Aug. 8.
Scissor. M. L. Cohn. 2,355,364; Aug. 8.
Sewing machine, Shoe. E. Quinn and L. S. Curtin. 2,355,107; Aug. 8.
Shear, Metal-cutting. K. W. Nebel. 2,355,320; Aug. 8.
Sheet material, Reinforced waterproofing. H. N. Sandell. 2,355,333; Aug. 8.
Sheet piling and assembling the same. O. R. Odman. 2,355,102; Aug. 8.
Shell charger. W. F. Thoma and F. W. Beyer. 2,355,574; Aug. 8.
Shield, Spark plug. R. L. Shumaker. 2,355,116; Aug. 8.
Shock absorber, Hydraulic. R. H. Whisler, Jr. 2,355,491; Aug. 8.
Shutter, Ventilator. H. M. Bird. 2,355,412; Aug. 8.
Sight, Telescopic. R. A. Litschert. 2,355,384; Aug. 8.
Sign: *See*—
Changeable sign.
Sign structure, Composite. F. L. Michaels. 2,355,546; Aug. 8.
Signal impulse sending system. J. H. Wheelock and H. F. Cypser. 2,355,349; Aug. 8.
Signaling system, Coded track circuit. M. A. Scheg. 2,355,334; Aug. 8.
Signaling system, Railroad. A. Hufnagel. 2,355,535; Aug. 8.
Singing and speaking machine. F. A. Firestone. 2,355,287; Aug. 8.
Slicing machine. W. A. van Berkel. 2,355,487; Aug. 8.
Slicing machine. G. R. Wood. 2,355,354; Aug. 8.
Slide fastener. I. Goldstein. 2,355,152; Aug. 8.
Slitting machine, Sheet. L. L. Jones. 2,355,079; Aug. 8.
Snow handling apparatus. S. M. Hodsdon. 2,355,160; Aug. 8.
Snuffer and carrier, Incendiary bomb. E. W. Dunbar and D. E. Dunbar, Jr. 2,355,428; Aug. 8.
Sock lining. J. J. Kubovcik. 2,355,168; Aug. 8.
Solder, Brazing. M. M. Goldsmith. 2,355,067; Aug. 8.
Solids from mixtures of solids and liquids, Separation of. E. L. Cole. 2,355,203; Aug. 8.
Sound-absorbing materials, Method and apparatus for the production of. W. I. Lucius. 2,355,454; Aug. 8.
Sorting machine. J. Dichter. 2,355,280; Aug. 8.
Sorting machine. E. H. Linkner. 2,355,311; Aug. 8.

Sound translating device. A. F. Horlacher. 2,355,298; Aug. 8.
Spark plug. J. G. Jackson. 2,355,163; Aug. 8.
Splicing mechanism, Belt. G. A. Schieren. 2,355,112; Aug. 8.
Splints for matches, Machine for manufacturing. L. Contratto. 2,355,512; Aug. 8.
Spool, Thread. B. M. Harvey and H. B. Harvey. 2,355,435; Aug. 8.
Starch, Making soluble. W. A. Nivling. 2,355,463; Aug. 8.
Starter, Fluorescent lamp. C. H. Hodgkins. 2,355,438; Aug. 8.
Starter, Fluorescent lamp. R. M. Smith and J. R. Steegstra. 2,355,476; Aug. 8.
Steel alloy. G. V. Luerssen and C. B. Post. 2,355,224; Aug. 8.
Steriliser and cooker, Pressure. M. G. de Simone. 2,355,150; Aug. 8.
Stoker, Automatic. J. T. Norman. 2,355,101; Aug. 8.
Stop motion, Terry warp. C. E. Whittaker and G. G. Slough. 2,355,129; Aug. 8.
Stop watch mechanism. J. H. Furbach. 2,355,371; Aug. 8.
Stopper, Bottle. G. White. 2,355,492; Aug. 8.
Studs, Welding. E. F. Nelson. 2,355,099; Aug. 8.
Suction cleaner. J. H. Nuffer and L. H. Latta. 2,355,322; Aug. 8.
Suction cleaner. E. L. Snyder. 2,355,183; Aug. 8.
Sulphur and phosphorus from molten metals, Method and apparatus for removing. D. J. Campbell. 2,355,362; Aug. 8.
Support: *See*—
Vehicle body support.
Surface-active agent. M. Kosmin. 2,355,592; Aug. 8.
Surface conditioning wire and the like, Method and apparatus for. N. H. Nye and E. J. McIlvried. 2,355,174; Aug. 8.
Surfboard. R. G. Kirchner. 2,355,302; Aug. 8.
Surgical instrument. L. C. Dwoyer. 2,355,209; Aug. 8.
Switch: *See*—
Electric switch.
Switchboard implement. G. M. Wilhelm. 2,355,195; Aug. 8.
Switch construction, Push-button. K. Knudsen. 2,355,303; Aug. 8.
Switch for liquid fuel lines, Thermally responsive control. B. Hayter. 2,355,436; Aug. 8.
Switches, Mechanism for electric. V. L. Mares. 2,355,457; Aug. 8.
Synchronizing apparatus for cathode-ray oscillographs. R. Barthelemy. 2,355,135; Aug. 8.
Syphon, Firebox. T. H. Fawcett. 2,355,590; Aug. 8.
Table: *See*—
Concentrating table.
Tank: *See*—
Collapsible fuel tank. Mill scale settling tank.
Telephone or like system. C. Gillings and L. J. Murray. 2,355,431; Aug. 8.
Telephone system. J. W. Dehn. 2,355,207; Aug. 8.
Telephone system. M. C. Goddard. 2,355,215; Aug. 8.
Telephone system. J. G. Walsh. 2,355,251; Aug. 8.
Telescriber. W. A. Lauder and E. F. Cahoon. 2,355,087; Aug. 8.
Television system. R. E. Shelby. 2,355,566; Aug. 8.
Tempering means for building units, Fresh-air. E. D. Robertson. 2,355,469; Aug. 8.
Terminator. W. A. Tripp. 2,355,403; Aug. 8.
Testing instrument, Hardness. E. O. Bernhardt and W. Bischoff. 2,355,411; Aug. 8.
Threads, Making covered. A. Rosenstein and H. Dolan. 2,355,471; Aug. 8.
Thermostatically controlled valve. T. N. Adlam. 2,355,043; Aug. 8.
Timepiece, J. Fletcher. 2,355,429; Aug. 8.
Tin-containing materials, Smelting. L. S. Deitz, Jr. 2,355,515; Aug. 8.
Tire pressure indicator. W. Holinaty. 2,355,295; Aug. 8.
Toaster, Electric. J. R. Gomersall. 2,355,153; Aug. 8.
Toilet seat and cover, Detachable. A. Jacobs. 2,355,378; Aug. 8.
Tool: *See*—
Direct drive electric power tool. Material working tool.
Motor-driven tool.
Endless-band tool. Undercutting tool.
Machine tool.
Toolholder. J. H. Palmer. 2,355,324; Aug. 8.
Tool holder for lathes, Multiple. J. A. Honegger. 2,355,072; Aug. 8.
Tool or appliance, Thread-rolling. T. K. Affleck. 2,355,132; Aug. 8.
Track lifter. H. H. Talboys and H. E. Erickson. 2,355,573; Aug. 8.
Traction device. J. A. Bombardier. 2,355,266; Aug. 8.
Traffic controlling system for railroads, Centralized. R. M. Phinney and G. W. Davison. 2,355,327; Aug. 8.
Trailer, Combination. T. H. Jacob. 2,355,441; Aug. 8.
Transformer construction, Three-phase. E. J. Lehman, D. E. Wiegand, and J. O. Fenwick. 2,355,169; Aug. 8.
Transmission and control mechanism. F. A. Parsons. 2,355,554; Aug. 8.
Transmission, Five-speed. W. A. Duffield. 2,355,427; Aug. 8.
Transmission line spacer. C. L. Rouault. 2,355,111; Aug. 8.
Transmission system for statistical data. A. H. Dickinson. 2,355,281–2; Aug. 8.
Transmission system, Hydraulic power. H. W. Adams and E. S. Kleinhans. 2,355,357; Aug. 8.
Transmission system, Television. A. H. Rosenthal. 2,355,110; Aug. 8.
Triazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,355,423; Aug. 8.
Truck, Car. C. P. Leese. 2,355,450; Aug. 8.
Truck, Electrically propelled. M. G. Clay. 2,355,148; Aug. 8.
Truck, Spring cushioned lift. G. Quayle. 2,355,328; Aug. 8.
Truck structure, Railway. H. M. Pflager. 2,355,104; Aug. 8.
Tube cleaning apparatus for boilers and the like. F. G. W. Spears. 2,355,570–1; Aug. 8.
Tubular container. M. D. Douglas. 2,355,584; Aug. 8.
Turbine blading, Elastic fluid. D. J. Bloomberg. 2,355,413; Aug. 8.
Turbo-generating system, Regulation of free piston. R. Pateras Pescara. 2,355,177; Aug. 8.
Turpentine composition and making. J. Eichberg. 2,355,061; Aug. 8.
Two-level liquid fuel burner. J. L. Breese and M. D. Huston. 2,355,418; Aug. 8.
2-phenyl, 4-hydroxy aniline and compositions thereof. G. M. Kosolapoff. 2,355,593; Aug. 8.
Two-stage alkylation process. C. E. Morrell. 2,355,460; Aug. 8.
Ultraviolet fluorescent lamp. O. H. Biggs and J. L. Cox. 2,355,258; Aug. 8.
Undercutting tool. J. MacBlane. 2,355,315; Aug. 8.
Unit for oil burners, Forced draft. J. L. Breese and B. Hayter. 2,355,415; Aug. 8.
Unloading apparatus. E. H. Mallory. 2,355,226; Aug. 8.
Valve: *See*—
Desuperheating valve.
Thermostatically controlled valve.
Valve and pipe connection. C. Wyss. 2,355,408; Aug. 8.
Vaporizing device. L. F. Borchardt and W. Brastad. 2,355,414; Aug. 8.
Vegetable cutter. H. S. K. Lui. 2,355,312; Aug. 8.
Vehicle. E. B. Nickles. 2,355,234; Aug. 8.
Vehicle and bridge, Military. J. O. Savage. 2,355,473; Aug. 8.
Vehicle body support. W. D. Harper. 2,355,528; Aug. 8.
Vehicle rut filler and antiskid structure, Automotive. K. W. Couse. 2,355,204; Aug. 8.
Vent means, Nonspill. G. H. Fritzinger. 2,355,288; Aug. 8.
Ventilator. G. Herbster. 2,355,294; Aug. 8.
Ventilator connection, Car heater. A. B. Arnold. 2,355,501; Aug. 8.
Ventilator system. L. M. Jenness. 2,355,536; Aug. 8.
Washer: *See*—
Paper pulp stock washer.
Washing machine. R. C. McPhilomy. 2,355,455; Aug. 8.
Water heater. M. J. O'Neill. 2,355,551; Aug. 8.
Waterproof fixture for fluorescent lamps. L. R. Proul. 2,355,467; Aug. 8.
Water softener and heater with reverse flush, Combination. W. J. Towles. 2,355,188; Aug. 8.
Water treating apparatus. M. P. Robinson. 2,355,561; Aug. 8.
Water treating apparatus. J. F. Sebald. 2,355,564; Aug. 8.
Watertube boiler. J. B. Detwiler. 2,355,279; Aug. 8.
Wave length modulation circuit. H. E. Goldstine. 2,355,433; Aug. 8.
Weeder, Rod. O. E. Miller. 2,355,229; Aug. 8.
Welding apparatus. C. F. Carlson. 2,355,145; Aug. 8.
Welding apparatus. W. J. Kenny. 2,355,444; Aug. 8.
Well plug. R. Bassinger. 2,355,199; Aug. 8.
Wells, Apparatus for cleaning subterranean. C. C. Bancroft and J. W. Frain. 2,355,259; Aug. 8.
Wheel assembly, Dual. C. S. Ash. 2,355,133; Aug. 8.
Wheel forming and dressing means, Grinding. E. Haddad. 2,355,372; Aug. 8.
Wheel suspension. B. Castiglia. 2,355,274; Aug. 8.
Wheels and driving mechanism therefor, Type. H. N. Deane and A. E. Rockwood. 2,355,514; Aug. 8.
Windshield for motor vehicles. S. Bloomfield. 2,355,264; Aug. 8.
Wiper construction, Brush. A. E. Myers. 2,355,549; Aug. 8.
Wire fabric loom. N. S. Harter. 2,355,159; Aug. 8.
Wood, Treating. K. L. and G. K. Owens. 2,355,553; Aug. 8.
Woodworking apparatus. W. B. Zern. 2,355,603; Aug. 8.
Work feeding and spot spacing control for electric spot welding machines. H. A. Werfel. 2,355,576; Aug. 8.
Zein solutions directly from gluten, Preparation of. R. E. Coleman. 2,355,056; Aug. 8.
Zinc, Electrodeposition of bright. J. L. Bray and R. E. Howard. 2,355,505; Aug. 8.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 8, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1944

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

POULSEN ET AL., ETC.

v.

McDOWELL, JR.

No. 4,862. Decided March 8, 1944. Petition for rehearing denied April 27, 1944

[— F.(2d) —]

1. APPEAL—TECHNICAL QUESTION—ERROR.
"The Primary Examiner and the Board of Interference Examiners concurred in the view that the disclosure of McDowell supports the counts. We have given Poulsen's arguments careful consideration, but we are not convinced that the decision of the Board as to the right of McDowell to make the counts was erroneous. The question involved is a highly technical one, and the familiar rule applies that where such matters are before this court on appeal, the decision of the Board of Interference Examiners, especially when it concurs with that of the Primary Examiner, will not be disturbed unless it is clearly erroneous."

2. SAME—DIMINUTION OF RECORD—COSTS.
"A motion by McDowell to correct diminution of the record was allowed, and pages 145 to 189 were added subject to the taxation of costs. We find that the added material was not necessary to our decision and has not, in fact, aided us in deciding the issues. So far as we can determine, only one casual reference was made to such material in McDowell's brief. The costs of the added material will therefore be taxed against McDowell."

3. INTERFERENCE—PRIORITY.
Record reviewed and *Held* that McDowell has the right to make the counts; that he reduced the invention expressed in the counts to practice prior to his opponents' record date; and that priority properly was awarded to him.

APPEAL from the Patent Office. Affirmed.

Mr. Paul Kolisch for Poulsen et al., etc.

Mr. Stephen H. Philbin and *Mr. J. Huff* (*Mr. Chester L. Davis* of counsel) for McDowell, Jr.

BLAND, *J.*:

Poulsen and Petersen (British Acoustic Films, Limited, assignee), hereinafter for convenience referred to as Poulsen, have here appealed from the decision of the Board of Interference Examiners of the United States Patent Office awarding to McDowell (Radio-Keith-Orpheum Corporation, assignee) priority of invention as to three counts of the interference, which counts correspond to claims 72, 73, and 74 of the Poulsen application. Those claims were held patentable to Poulsen in a suit under R. S. § 4915, 35 U. S. C. § 63 (1940) against Coe, Commissioner of Patents, by the United States Court of Appeals for the District of Columbia, which reversed the holding of the District Court of the United States for the District of Columbia. *Poulsen et al.* v. *Coe*, 73 App. D. C. 324, 119 F.(2d) 188, 48 U. S. P. Q. 673, 528 O. G. 1031.

The counts read:

1. The method of producing a photographic sound record comprising the following steps: directing a light beam onto a moving film so that it receives a transversely disposed extremely narrow strip of light, variably exposing the film in accordance with the amplitude of each individual sound wave, controlling the light impinging on the film to vary the average exposure of the film as the volumt of the sound to be recorded varies, *and holding the variations of the average exposure between predetermined lower and upper limits.*

2. The method according to count 1 and in which the lower limit of the average exposure variation is approximately zero.

3. The method according to count 1 and in which the upper limit of the average exposure variation in substantially midway between zero and full exposure. [Italics ours.]

The invention defined by the counts relates to sound recording for "talking movies" and is designed to prevent asymmetrical distortion and to eliminate what is known as "ground noise" in the recording of sound waves through the use of a light beam vibrated by a mirror. Each of the parties sought to cut off the peaks of the waves evenly on each side of the so-called zero line when there was "over-shooting" of the sound track, so as to prevent distortion, and to black-out or mask the clear, unused portion of the sound track when there was no modulation, so as to eliminate the ground noise.

In the prior art recording systems, sound of great amplitude produced peaks which fell outside the track margins of the space where the sound was to be recorded. During silent periods, only one half of the sound track was exposed, the other half remaining unexposed. The exposed portion was, in the positive film, transparent. Scratches and spots of dust on this clear portion of the film, as well as the granular structure of the film itself, gave rise to crackling and undesirable noises referred to as "ground noise" or "background noise."

To aid in preventing the objectionable features of the prior art, Poulsen shifted his median or axis line near the edge of the sound track and so arranged his structure that this line would shift toward the center of the track when sound modulation occurred, thereby eliminating ground noise during periods of no modulation. But to prevent asymmetrical distortion during periods of great sound amplitude, he placed two definite limits to the displacement of the zero line: (1) near one edge of the sound track and (2) the center of the sound track.

It will be noticed that the heart of the invention here involved is expressed in the above italicized clause of count 1.

The McDowell disclosure shows a system of sound recording in "talking movies." He discloses a somewhat different method for accomplishing his purpose, which will be more thoroughly discussed hereinafter.

While Poulsen's reasons of appeal raise a number of questions, it is necessary for us to consider but two of them in disposing of the case: (1) McDowell's right to make the counts and (2) McDowell's proof of priority. A number of questions

raised by the reasons of appeal are not referred to in Poulsen's brief, and we conclude that Poulsen has here abandoned those issues.

The interference is between Poulsen's application filed September 17, 1931, and McDowell's application for reissue of his patent, filed April 10, 1941. McDowell's original application was filed November 8, 1930. Before the Primary Examiner, Poulsen successfully moved to shift the burden of proof and obtained the advantage of the filing date of his German application, September 26, 1930. Thus, it will be seen that Poulsen is senior to McDowell by only 43 days. McDowell's application here immediately involved is for a second reissue of his patent, which issued upon the aforesaid application of November 8, 1930, the first reissue having been granted March 12, 1940.

Only McDowell took testimony, and Poulsen is confined to his record date. McDowell, as junior party, was under the burden of proving his priority by a preponderance of the evidence.

We shall first discuss and decide the question of McDowell's right to make the counts.

Poulsen urges here that neither originally nor in the first application for reissue did McDowell claim the instant invention; that he disclosed it in none of his applications; and that he claimed it only after seeing the aforesaid holding of the United States Court of Appeals for the District of Columbia directing the allowance of the three claims corresponding to the counts here involved.

Before the Primary Examiner Poulsen moved to dissolve the interference on the ground of the insufficiency of McDowell's disclosure, but the motion was denied, the Examiner holding that McDowell's disclosure "does support the counts, element for element" in the manner which had been pointed out in McDowell's brief before him.

The Board of Interference Examiners likewise held on this question that McDowell's disclosure supports the counts. We quote at some length from the Board's decision on this question since we think the situation is properly and clearly stated therein:

> Poulsen and Petersen used an apparatus similar to that used by Robinson and Hewlett in which the zero axis of the recording was closely adjacent the edge of the sound track at low sound levels, but in which the galvanometer was so biased that the zero axis of the recorded wave would shift upon increase in volume, but which could not pass beyond the center of the sound track, no matter how loud the sound to be recorded. Thus, if there was any over-shooting of the sound track, the cut-off would be symmetrical just as it had been in the old type of recording, yet the transparent portions of the film, which were not needed, were reduced as in Robinson and Hewlett to reduce background noise.
>
> McDowell uses a standard variable area recorder which is additionally provided with a shutter * * * actuated in response to the volume of the sound to be recorded. This shutter is placed in the path of the recording light and is so adjusted, when no sound is present, as to admit a beam of light five thousandths of an inch in width as against the usual thirty-five thousandths width for the normal recording system. As the volume of sound increases, the shutter will be moved to permit more light to reach the film * * *.

The Board then pointed out that in the McDowell system the normally transparent areas of the sound track are blacked-out; that the zero line is always at the center of the film, with the result that any over-shooting must be symmetrical; and that McDowell accomplishes the two objectives of background noise reduction and symmetrical recording. It stated that the essential difference between the Poulsen and the McDowell methods is that in the former the zero line is caused to shift from the position near the edge of the sound track, corresponding to substantially zero average exposure, to the middle of the track, corresponding to fifty per cent average exposure, while in the latter the zero line remains fixed at the center of the track and the average exposure is varied by means of the shutter.

Then the Board continued:

> It is agreed by both parties that the essential feature of novelty is expressed in the last two lines of count 1 as follows "and holding the variations of the average exposure between predetermined lower and upper limits." None of the counts in issue require that the zero line be varied between predetermined lower and upper limits, but only that the average exposure, which obviously is the ratio of the exposed area to the total area, be held between such limits.
>
> Poulsen et al. concede that McDowell discloses the lower limit required by the counts (the minimum opening of five thousandths of an inch of the shutter referred to in the McDowell specification), but strenuously urge that McDowell does not refer at all to the upper limit.
>
> It is true that the McDowell specification does not, in so many words, state that there is an upper limit of average *density* [upon petition for reconsideration, the Board changed the word "density" to "exposure"]; however, from the very nature of his recording device there must be an upper limit fixed either by the maximum movement of the shutter * * *, the edge of the slit * * * or the edge of the sound track, any one of which would give a maximum average *density* [changed to "exposure" as above] of approximately 50%.

In answer to Poulsen's contention that a sound track recorded by the McDowell method could never have a straight lower edge as shown by the sample films in the McDowell brief, because the shutter trace is produced on the film in accordance with the rectified component of the sound wave, the Board said:

> With the sound intensities within certain limits a wavy line * * * will be produced, but it is obvious that the shutter * * * may move to such a point, on high volume levels, that it no longer interferes with the recording beam, then the recorder operates in the same manner as the old style recorder just as does the Poulsen et al. recorder at high volume levels. The McDowell application nowhere states that the recording level must be held down to the point where the shutter will not be completely removed from the field of influence. The illustration given * * * [in] the McDowell application merely sets forth the procedure in setting the recording level for an orchestra, so that the sound will not cause the recording beam to overshoot. McDowell's testimony * * * referred to * * * [in] the Poulsen et al. brief merely refers to the setting of the recording level.
>
> We believe it to be clear that the upper limit of average exposure; i. e., substantially 50% is inherent in the apparatus and method disclosed by McDowell and that the counts in issue are thus supported by the McDowell disclosure, and we so hold.

[1] Thus, it is seen that the Primary Examiner and the Board of Interference Examiners concurred in the view that the disclosure of McDowell supports the counts. We have given Poulsen's arguments careful consideration, but we are not convinced that the decision of the Board as to the right of McDowell to make the counts was erroneous. The question involved is a highly technical one, and the familiar rule applies that where such matters are before this court on appeal, the decision of the Board of Interference Examiners, especially when it concurs with that of the Primary Examiner, will not be disturbed unless it is clearly erroneous.

The instant issue depends upon an understanding of McDowell's shutter arrangement. It is thought that it would not be helpful to reproduce here McDowell's drawings, which are diagrammatical and very poorly reproduced in the record. The details of construction of the shutter are not shown, and, for that matter, it is not urged here that the use of a shutter in the motion picture art is new; but the use of the shutter by McDowell in the particular place where it is used and for the purposes for which it is used is new. An understanding of its operation, however, sufficiently appears from the following statement quoted from McDowell's specification:

> In carrying out my invention the usual variable area sound recorder is utilized. This recorder, for instance, may be a galvanometer type utilizing a vibrating mirror actuated by the voice currents. Connected with the voice input is an amplifier and a detector for amplifying and detecting the voice currents respectively. The rectified voice currents are then utilized to operate a shutter placed in the path of the vibrating light beam for the purpose of limiting the amount of light falling upon the negative sound record to that which is necessary to permit the full fluctuation or modulation of the recording light. The shutter will move in proportion to the D. C. impulses representative of the rectified voice current, and will admit light only to the extent required by the peak modulation reaching the film at any instant. When no modulation occurs, the shutter is adjusted to admit light to the film to the extent of approximately five thousandths of an inch in width as against the usual thirty-five thousandths width for the normal recording system. It is seen by this that there will therefore remain about ten per cent of the clear portion of the film that formerly existed.
>
> The amount of light reaching the photo cell of the projector, therefore, operated by a positive produced by the negative produced in accordance with my invention, will be greatly reduced when there is no modulation, and the variation in light intensity due to dirt, scratches and grain structure, will be correspondingly decreased. This in turn greatly reduces the amount of ground noise.

This would seem to be a clear statement as to the manner in which McDowell accomplishes the same purposes as Poulsen. It is true, as was pointed out by the Board, that McDowell has not, in so many words, stated that he holds the variation of the average exposure between predetermined upper and lower limits, but we think it is clear that he does do so. It is obvious that there is a difference between the devices used by the two parties to accomplish the same purposes, but that difference which Poulsen has stressed is not defined in the counts here involved. It must be remembered that the counts are not limited to the variation of the axis or zero line between upper and lower limits but are drawn to the variation of the "average exposure" between such limits. In the McDowell device, the zero line is always at the center of the sound track and, as pointed out by the Board, any over-shooting must necessarily be symmetrical. At most, the average exposure will not exceed 50 per cent of full exposure, which satisfies the requirement of the counts that there be an upper limit; and Poulsen concedes that McDowell discloses the lower limit required by the counts.

For the reasons stated, we hold that the McDowell disclosure furnishes proper support for the counts in issue.

We come now to the second issue, namely, the sufficiency of McDowell's proof of priority. The Board has correctly and in great detail analyzed the evidence submitted on behalf of McDowell. We are fully in accord with its analysis and its conclusions as to the sufficiency of the proofs. Poulsen, however, has strenuously urged here the insufficiency of the proofs, and we deem it advisable to discuss those portions of the evidence which we think satisfactorily show that McDowell was the first inventor of the invention in issue.

McDowell was employed as a sound recorder in the RKO Studios during the years 1929, 1930, and 1931. During the latter part of 1929 he set to work on the problem of eliminating "ground noise" in the motion picture sound recording art. According to Exhibit 11, an affidavit of conception executed on February 6, 1930, and witnessed by three employees of RKO Studios, McDowell conceived, on January 31, 1930, the idea of using an electromagnetically operated shutter device, responsive to a rectified direct current component of the alternating modulating current, to mask off the clear portion of the sound track and eliminate "ground noise." One of the subscribing witnesses, Van Hessen, testified as to McDowell's disclosure to him of the idea of using the masking shutter, fixing the date as "the period immediately after 'Hit The Deck', which was in the very latter part of 1929."

Exhibit 2 is a letter written by the witness Dreher, McDowell's superior, to Mr. LeBaron, the operating head of RKO Studios, to explain the nature of McDowell's apparatus. It is dated February 15, 1930, and was identified by Dreher in his testimony. The letter explains the principle of operation of the McDowell device, stating, in substance, that it comprises an electromagnetic shutter which cuts off the light in inverse proportion to the degree of modulation, that the shutter is actuated by an amplifier-rectifier, and that a thin beam of light is utilized when the modulation is low, while during periods of high modulation the shutter moves out of the path of the light beam. The letter refers to a film made in accordance with this method, which was given to LeBaron to take with him on a trip east to display to the RKO salesmen.

On the same date, February 15, 1930, McDowell also wrote a memorandum (Exhibit 3) to LeBaron, fully describing his device.

Dreher also identified several exhibits as being requisitions for supplies and parts to be used in constructing a device according to McDowell's invention for use in recording the sound for the forthcoming motion picture, "Dixiana." We quote the following from his testimony concerning these requisitions:

> Q. 26. Here are four photostats, marked for identification as Exhibit 4A, 4B, 4C and 4D. Can you explain what they are?
>
> A. These are requisitions for equipment and materials which were required for the manufacture of McDowell's anti-ground-noise apparatus.
>
> Q. 27. What signatures, if any, appear on any of the sheets?
>
> A. They bear McDowell's name as the originator of the requisitions, and my signature. I had to O. K. such requisitions before the apparatus could be bought.
>
> Q. 28. What can you say with respect to the information set forth under the heading "description" on these various sheets?

A. These requisitions covered materials which were used in the manufacture of McDowell's device for the motion picture "Dixiana" which was later made at RKO Studios.

Q. 29. Under the heading "description" there appears the sentence "one such device is already existent". What can you say with respect to this device which was apparently existent prior to the date of this requisition which is indicated as February 25, 1930?

A. The original model of McDowell's device had already been built and used in recording tests at that time.

Q. 30. What sort of recording tests?

A. We made tests on speaking voices and also on singing voices. Specifically, one on the vocalist named Everett Marshall.

Q. 31. Do you recall what your conclusions were with respect to those tests?

A. As a result of those tests, we were convinced that the McDowell device greatly reduced ground noise and had merit in improving recording quality.

Dreher's further testimony, in describing what he meant by the "McDowell device" shows that he thoroughly understood the construction and operation of the invention.

Exhibit 7, dated April 30, 1930, is a document prepared by McDowell setting out the technical aspects of his invention. It was drawn up for use in making application for a patent, and the information contained therein corresponds substantially to that set forth in the specification of his patent application. It is stated in the document that the system described therein was used in recording the sound for the picture "Dixiana (recorded March 24–April 26, 1930)". This exhibit was signed by McDowell and witnessed by Dreher. The Board, in this connection, stated that Exhibit 7

"does not come within the objection of self-serving statements * * * as it appears that Dreher was working along with McDowell, and nothing appears in the record that Dreher derived his knowledge of the contents of Exhibit 7 and the events, as to which he testified, from conversations with, or reports from McDowell, rather than from actual knowledge of events."

Attached to Exhibit 7 and designated as "Fig. 1" is a schematic sketch showing the wiring diagram for the amplifier-rectifier and shutter mechanism used by McDowell. In all material respects, this sketch closely corresponds to that portion of the patent drawing showing the amplifier-rectifier unit and shutter mechanism. The principal difference is in the location of a milliammeter, which, of course, is merely a current indicator device. Poulsen's counsel states in his brief that

"Exhibit 7 is admitted by McDowell to be an incorrect sketch of a circuit and no one has testified that any of the allegedly numerous 'reductions to practice' was made from this drawing."

McDowell's testimony in connection with the said drawing was that there was one correction to be made, that the drawing was made hurriedly and for that reason he used an "X" to represent a milliammeter

"shown on the lower left-hand corner of the drawing, in the leg of the bucking battery to ground, whereas it should have been put between the voice coil shown on the left and the terminal of the ground connection and the bucking battery",

that with the correction stated the device was connected and operated at all times, and that the function of the two meters was

"to show the amount of current on either side of the center tap of the voice coil, and indicated alternately as each voice coil operated."

We think the change described was merely of a minor and inconsequential character.

McDowell testified that he personally constructed the shutter and shutter motor. The witness Pratt, a repair and maintenance man, testified that on McDowell's instructions he built the amplifier-rectifier unit and stated that the sketch of Exhibit 7 was quite similar to the sketch given him by McDowell, which Pratt later lost, and which he followed in building the said unit. Pratt also identified Exhibits 12A and 12B as being photographs showing the amplifier unit and meter box which he built and one of the shutters used with the system, and he testified that the apparatus shown in the photographs was used in recording the sound of "Dixiana."

The witness Van Hessen also identified the photographs Exhibits 12A–12C as representing "an early McDowell shutter" and the amplifier and meter box used in connection therewith. He stated that he was the recordist on the picture "Dixiana," that the McDowell shutter device was used in recording the sound for that picture, and that he was responsible for the adjustment of the shutter during that production. He also testified that the McDowell shutter device was used in recording the sound for the movie "Half Shot at Sunrise," produced shortly after "Dixiana." Other witnesses testified that the McDowell device was used in the recording of both "Dixiana" and "Half Shot at Sunrise."

According to the stipulated testimony of Sidney Kramer, manager of the print department of RKO, prints from the picture negative and sound track of "Dixiana" were released and distributed to theatres during August of 1930, and prints of "Half Shot at Sunrise" were similarly released and distributed in September of that year—both prior to Poulsen's record date of September 26, 1930.

Exhibit 14, according to the stipulated testimony of A. R. Ulmer, laboratory contact man for the recording division of RCA Manufacturing Co., Inc., is a roll of film on which are recorded various portions of the sound tracks of the two movies "Dixiana" and "Half Shot at Sunrise." This film was run off in a projection room during the taking of testimony, and McDowell and the witnesses Van Hessen and Aalberg, the latter a sound director for RKO Studios, testified that they recognized the sound as parts of the sound records of "Dixiana" and "Half Shot at Sunrise." The Board placed considerable reliance upon this exhibit in its decision, and both parties have here argued at length regarding what weight should be given it in deciding the question of priority. We find it unnecessary to consider this exhibit or the testimony concerning it in deciding the issue. There is an abundance of fully corroborated testimony and exhibits herein referred to which support the conclusion reached by the Board, and we will not give consideration to the importance or lack of importance of Exhibit 14.

Poulsen has made much of the contention that McDowell introduced no drawings of his device and that his documentary proof is insufficient. The Board in this connection stated that—

"* * * is not necessary that documentary evidence be presented to support the material allegations of the witnesses. It is well recognized that individuals can recall events with greater ease than the time when the events occurred. A number of witnesses recalled that McDowell's shutter was used in recording "Dixiana," and nothing appears of record to discredit these assertions; nor is it denied that "Dixiana" was used commercially before the date available to Poulsen et al. for conception and reduction to practice.

Furthermore, the sketch of Exhibit 7 was shown to the witness who constructed the amplifier-rectifier unit, and he stated that the sketch corresponded substantially to the layout and wiring of that unit. And, as before stated, that sketch substantially conforms to that portion of the patent drawing directed to the heart of McDowell's invention, i. e., the shutter mechanism and its related amplifier-rectifier unit. It must be remembered that the McDowell invention was merely an improvement to be adapted to and used in conjunction with standard and well-known recording systems, old in the art. The witness Dreher pointed out in his testimony that McDowell

"did not build a complete recorder. McDowell built only the anti-noise adjunct, and it was definitely an adjunct which could be used only in connection with a standard variable area recording channel. Without a recording channel you could not have used it."

That being the case, it was not necessary that McDowell make complete drawings such as appear in the patent application. It was quite clear to the witnesses, who were experts in the art, how the shutter device (operated electromagnetically) would be used in conjunction with the standard recording systems, and, in fact, many of them did actually see it in operation as an adjunct to the old variable area recorder.

There are other circumstances, probably of less importance than those to which we have referred, which aid in supporting the conclusion we have herein reached on this phase of the case. However, we think it unnecessary to unduly extend this opinion by discussing them, in view of the weight we have given to the hereinbefore pointed out phases of the record. Contrary to the argument of Poulsen, we think that there is an abundance of pertinent documentary proof, to much of which we have already referred. We do not think it is open to question, in view of all the evidence, both documentary and testimonial, that McDowell successfully reduced to practice prior to Poulsen's record date.

In many instances the absence of a drawing or a working model first used in reducing an invention to practice is a consideration of vast importance. This is true when the oral testimony lacks the element of being convincing proof. In the instant case, however, the absence of such indicia stressed by Poulsen is satisfactorily explained, and in its absence the proof would seem to be sufficient to convince any reasonable mind, having first arrived at the conclusion that the counts read on McDowell's original disclosure, that McDowell had fully reduced to practice the invention defined by the counts prior to the record date of Poulsen. In view of such conclusion, the question of diligence is of no importance.

[2] But one matter remains for our consideration. A motion by McDowell to correct diminution of the record was allowed, and pages 145 to 189 were added subject to the taxation of costs. We find that the added material was not necessary to our decision and has not, in fact, aided us in deciding the issues. So far as we can determine, only one casual reference was made to such material in McDowell's brief. The costs of the added material will therefore be taxed against McDowell.

[3] For the reasons hereinbefore stated, the decision of the Board of Interference Examiners is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE PERRIN

No. 4,874. Decided April 4, 1944

[142 F.(2d) 277]

1. APPLICATION—SOLE APPLICATION TAKING BENEFIT OF FILING DATE OF A PRIOR JOINT APPLICATION.
   The rule of *In re Roberts*, 49 App. D. C. 250, 273 O. G. 410, *Held* to extend to a sole application which is a continuation-in-part of an earlier joint application, but the sole applicant required clearly to point out what portion of the subject matter of the joint application was his sole invention.
2. SAME—SAME.
   The sole application of Perrin on appeal *Held* not a continuation-in-part of the earlier joint application filed by him, Paton and Williams, for the reason that "appellant's * * * application does not present any exact line of division between matters of joint invention, the subject of the joint application, and sole invention claimed in appellant's * * * application."
3. SAME—SAME—MISTAKE AND DILIGENCE.
   Held that the tribunals of the Patent Office should have made findings as to whether the joint application of Perrin, Paton and Williams was filed by mistake and appellant acted with reasonable diligence to correct the mistake, since such matters go to the question of appellant's right to have his sole application considered as a continuation-in-part of said joint application, following *In re Roberts*, 49 App. D. C. 250, 273 O. G. 410.
4. PATENTABILITY—ELECTRICAL CONDUCTOR.
   The claims of the sole application of Perrin on appeal, drawn to an electrical conductor insulated by a solid polymer of ethylene *Held* unpatentable over certain references available because Perrin was not entitled to the benefit of the filing date of the joint application earlier filed by him, Paton, and Williams.

APPEAL from the Patent Office. Affirmed.

Mr. Ralph F. Miller (*Mr. O. H. Biesterfeld* of counsel) for Perrin.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

LENROOT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting all of the claims of appellant's application for a patent, on the ground of lack of invention over the prior cited art.

Appellant's application was filed on May 4, 1940, and recites that it is "a continuation-in-part of application Serial No. 138,266, filed April 21, 1936,

jointly by me, J. G. Paton and E. G. Williams." A patent, No. 2,219,700, was issued on said joint application on October 29, 1940.

Appellant's instant application discloses and claims insulated electric conductors in which the conducting element is insulated by use of a solid polymer of ethylene.

Claim 1 is illustrative and reads as follows:

1. An insulated electrical conductor the insulating material of which comprises a polymer of ethylene which is solid at normal temperatures and which corresponds in composition substantially to $(CH_2)_x$.

The references cited are: Rohm et al., 1,982,831, December 4, 1934; British patent, 471,590, September 6, 1937; Hall et al., 2,169,097, August 8, 1939; Schupp et al., 2,177,266, October 24, 1939.

The cited British patent in which appellant is named as one of the joint inventors discloses the polymer of ethylene claimed in the instant case, and states they have "good dielectric properties and may be used for electrical insulation in general."

While appellant's instant application was filed on May 4, 1940, it is his contention that he is entitled to the benefit of the date of the joint application hereinbefore referred to, viz, April 21, 1936. If he is correct in this contention, said British patent could not be considered as prior art and hence not available as a reference. The same is true of the references Schupp et al. and Hall et al., for both patents were issued subsequent to the filing date of the joint application above referred to.

The patent to Rohm et al. discloses the use of a resin consisting of a polymerized ester of acrylic acid as the insulating medium in an electrical conductor.

The Examiner finally rejected all of the claims upon the ground that they define an old combination in view of the references. He also rejected them as being unpatentable over the British patent alone. He further held that appellant's application, being a sole application stated to be a "continuation-in-part" of said joint application, was not entitled to the benefit of the date of the joint application, and that all of the patents cited were valid references. He further held that even if a continuation-in-part sole application may under any circumstances relate back to a joint application, this could not be done in the instant case without a disclaimer of the subject matter by the other joint applicants. Thereupon, appellant filed a request for reconsideration together with an affidavit made by Williams, one of the joint applicants. This affidavit reads as follows:

I, Edmond George Williams, being duly sworn, depose and say that I am one of the three inventors named in U. S. Patent 2,219,700 (issued in the name of John Greeves Paton, Michael Wilcox Perrin and Edmond George Williams) which claims films of ethylene polymer and which resulted from application Serial No. 138,266, filed April 21, 1937.

I further depose and say that I am not the inventor of the improved electrical conductors insulated with ethylene polymer which were disclosed in application Serial No. 138,266 and which are now claimed after requirement for division by the Patent Office in the above entitled sole application Serial No. 333,441 with which I am familiar and which was filed by Michael Wilcox Perrin with whom I had previously filed jointly the above mentioned application Serial No. 138,266.

I further depose and say in verification of the above mentioned facts with regard to inventorship that whereas I was named with said Michael Wilcox Perrin in the British application 12202 filed April 29, 1936, describing the films, a separate sole British application 12203 describing application of the polymer in insulation was filed in the name of said Michael Wilcox Perrin, both of said British applications being acknowledged in said earlier joint U. S. application Serial No. 138,266 and in the above entitled sole application Serial No. 333,441.

I further depose and say that John Greeves Paton, who in addition to said Perrin and myself was one of the inventors named in said patent, has been reported missing by the naval authorities.

I further depose and say that insofar as I am aware there is no reason to believe that the said Paton, if available, would not submit an affidavit alleging the same facts given herein.

EDMOND GEORGE WILLIAMS.

Appellant's British application 12203 and the British joint application 12202, referred to in the affidavit, appear in the record.

In appellant's British sole application it is stated that the invention relates to means for the electrical insulation of materials by means of polymers of ethylene produced according to the methods described in certain applications which later formed a part of the subject matter of the cited British patent.

Said sole application further states:

The invention may take many and varied practical forms. These are based on the fact that, in bulk form, the solid polymers of ethylene *have been found* to possess a high electrical resistance, a low power factor and a high breakdown voltage. [Italics ours.]

The British joint application 12202, made by appellant, Paton, and Williams, relates to films and their manufacture, employing polymers of ethylene, produced by the methods described in the applications referred to in the sole application 12203.

This joint application states:

The films prepared according to this invention are extremely impermeable to water or water vapour and resistant to many chemicals. Thus, the rate of diffusion of water vapour through an ethylene polymer film is of the order of 80 times lower than through a viscous film of similar thickness. The films have also excellent electrical insulating properties, thus a high electrical resistance, a low power factor and a high breakdown voltage.

These films have many uses, including their use for wrapping and protective purposes in general.

The Examiner declined to reopen the case for further prosecution, but in his "Statement" on appeal he stated that even if it should be held that a sole application may be a continuation-in-part of a joint application, there must be disclaimers of the invention involved in the sole application made by all of the other joint applicants of the parent application; that one of the joint applicants, Paton, had not made such disclaimer, and that there is no proof that he will never be in a position to express his view upon the subject.

The Board of Appeals, in its original decision, affirmed the decision of the Examiner upon all of the grounds stated by him. It stated that while a sole application may be entitled to be regarded as a division of a joint application, under the principle declared in the case of *In re Roberts*, 49 App. D. C. 250, 273 O. G. 410, it did not feel warranted in extending the principle to continuations-in-part. It also referred to the fact that disclaimers had not been filed in the instant case by all of the joint applicants in the earlier case.

Appellant filed two petitions for reconsideration of the Board's decision, and in connection therewith filed an affidavit by the secretary of the assignee of both the instant application and the joint application. Said affidavit reads as follows:

I, John Egbert James, being duly sworn, depose and say that I am the Secretary of the Imperial Chemical Industries Limited, referred to hereinafter as I. C. I.

I further depose and say that I. C. I. is the assignee of application Serial No. 136,266 (U. S. Patent 2,219,700) which was filed April 21, 1937 jointly by Michael W. Perrin, John G. Paton and Edmond G. Williams and of which the above entitled application by said party Perrin, also assigned to said assignee, is a continuation-in-part wherein the common subject matter is the electrically insulated conductor claimed in the above entitled application and claimed in the corresponding British Patent 12203/36 filed April 29, 1936 in the name of said Perrin by said assignee.

I further depose and say with regard to the subject matter disclosed in said joint application 138,266 of Perrin, Paton and Williams (all of said parties being employees of said assignee at the time of their inventions) that the records of the assignee show that the electrically insulated conductors disclosed but not claimed in said joint application constitute the invention only of said Perrin for which said British application 12203/36 was filed in the name of Perrin by said assignee, and that said Paton and Williams were the inventors only of the subject matter claimed in said U. S. joint application for which a British application 12202/36 was also filed April 29, 1936 in the name of Paton and Williams by said assignee.

I further depose and say that this affidavit is being made by the assignee instead of by the party Paton because said party Paton has been reported missing by the naval authorities.

JOHN EGBERT JAMES.

The Board declined to consider this affidavit, and stated: "The petition is denied with respect to any change in decision."

Thereupon, appellant petitioned the Commissioner that jurisdiction be restored to the Board of Appeals, and that said affidavit last above quoted be considered.

In response to this petition, the Commissioner ordered that appellant's petition to him be treated as a petition for reconsideration of the Board's decision, and restored the jurisdiction of the Board of Appeals "for the purpose of considering the said petition, and taking appropriate action thereon." Thereafter, the Board remanded the case to the Examiner for original consideration of said affidavit in connection with the rejection of the claims. Thereafter, the Examiner made a supplemental statement to the Board from which we quote:

The affidavit of John Egbert James, secretary of Imperial Chemical Industries Ltd., assignee of this application, made for that corporation, is simply a statement, based upon information and belief, that Perrin is the inventor of the subject matter of joint application 138,266, of Perrin, Paton and Williams relating to electrically insulated conductors, and a statement of opinion that the present application is a continuation-in-part of that joint application.

If it is assumed that a sole application may be a continuation-in-part of a previously filed joint application, and no authority for such a holding is known, we are still confronted by the fact that no precedent exists for the acceptance of an affidavit of the assignee, such as that in question, for the disclaimer of one of the inventors that would be required under the In re Roberts practice.

Thereafter, the Board rendered another decision, again affirming the decision of the Examiner upon the grounds stated by him. In its decision the Board stated:

In the Roberts case, *In re Roberts*, 1920 C. D. 158; 49 App. D. C. 250; 263 Fed. Rep. 646, it was established that one of two joint inventors could file a new sole application for matter that is, in substance, that of the former joint application and entitle it a continuation with benefit of continuity and of filing date of the joint case. But this was held to be conditional provided certain showing be made. Such showing appears to include among other requirements, admission by the eliminated party that he was not a joint inventor, that the subject matter was the sole invention of the other applicant. Comparing the present situation it appears that no admission of the above kind has been secured from one of the three joint parties (Paton) of the application Serial No. 138,266 and British Patent 471,590. Affidavits of record assert that Paton has been reported missing by the British naval authorities. We regard the affidavits as insufficient to establish the matter of inventorship of an invention or disclaimer thereof.

The present case differs further from the facts involved in the Roberts case in that there is wide difference in disclosures as between the British Patent 471,590, the intervening application Serial No. 138,266 and the present specification. There is little resemblance between them either as to subject matter or form of arrangement of disclosure or claims. It becomes highly uncertain as to any exact line of division between matters of joint and sole invention, respectively, in connection with the varying scope that can be attributed to the expression continuation-in-part.

Thereafter appellant appealed to this court from both decisions of the Board.

From the foregoing recital of facts it will be seen that a very unusual and complicated situation is presented.

In the case of *In re Roberts*, supra, it was held that under certain circumstances a new application by a sole inventor should be treated as a continuation of an application by joint inventors. We quote from the syllabus in that case as follows:

Where, by mistake and without fraudulent intention, a patent application filed by two inventors embraced an invention of which one of them was sole inventor, a new application, filed by him, should have been treated as a continuation of the original application, and hence not barred by an interfering patent issued more than two years prior to its filing.

* * * * * * *

A patent applicant, seeking to correct his own mistake in filing an application jointly with another, must act with reasonable diligence and assume the burden of establishing his good faith.

In our decision in the case of *Manny* v. *Garlick et al.*, 30 C. C. P. A. (Patents) 1008, 135 F.(2d) 757, 553 O. G. 370, we discussed the case last above cited, and approved the principle there declared. We further held in accordance with the declarations in the cited case that in order that a sole application may be treated as a continuation of a joint application the party filing the sole application must act with reasonable diligence after discovering that the invention claimed was not the joint invention of himself and his joint applicant, and that he was the sole inventor of the invention claimed.

It is our view that the particular names by which an application is called is not so material as is the subject matter of the application.

[1] It is, of course, well established, as held in the case of *In re Roberts*, supra, that a sole application disclosing and claiming the same subject matter as an earlier joint application may, under certain circumstances, be entitled to the benefit of the date of the joint application. We perceive no reason why, under like circumstances, the same should not be true of a sole application which is, in fact, a continuation-in-part of an earlier joint application, but in such case the sole application should clearly point out what portion of the subject matter of the joint application was his sole invention. In the case at bar, appellant has not done this. True he has clearly pointed out that he

claims as his invention the electrical conductors described in the claims, but it is of the greatest importance, in determining the question of patentability of the claims, whether the discovery that polymers of ethylene had insulating properties was his alone, and was not a joint discovery, or the discovery of one of the other joint applicants.

There is no contention here that appellant invented the composition polymers of ethylene. It is conceded that such composition was the joint invention of appellant and others in accordance with the processes described in United States Patent 2,153,553, issued to appellant, Fawcet, and Gibson as joint inventors. Unfortunately this patent is not part of the record before us, although referred to in the patent issued upon the joint application of which the instant application is claimed to be a continuation-in-part.

If appellant alone did not discover polymers of ethylene possessed insulating properties, but such discovery was made jointly by the joint applicants or by one of them other than appellant, then the claims before us were properly rejected upon the ground of old combination as disclosed in the patent to Rohm et al., and, furthermore, the subject matter of the claims was not the sole invention of appellant.

[2] However, we prefer to rest our decision upon the ground that appellant's instant application cannot be considered a continuation-in-part of the joint application for the reasons stated by the Board of Appeals, viz, that appellant's instant application does not present any exact line of division between matters of joint invention, the subject of the joint application, and sole invention claimed in appellant's instant application.

As stated by the Board, there is little resemblance between them either as to subject matter or form of arrangement of disclosure or claims.

Appellant's instant application does not state that he discovered that polymers of ethylene possessed insulating properties, but states that the electrical conductor is insulated with "an insulating material" and it then proceeds to state the process by which the material is produced, which process the joint application states was the subject of another joint application in which appellant was one of the applicants.

The joint application, Serial No. 138,266, here directly involved, states:

> The pellicles, tapes, ribbons, coatings, and the like of this invention are particularly useful for electrical insulating purposes because of their excellent dielectric properties.

The paragraph above quoted does not appear in the patent issued upon said joint application. This fact might, standing alone, create the inference that appellant made the discovery that polymers of ethylene possessed insulating qualities. However, the patent to the joint applicants discloses that application for the same invention was made in Great Britain on April 29, 1936. This British application is in the record as hereinbefore stated. It discloses that the joint applicants declared that the polymers of ethylene films there claimed "have excellent electrical insulating properties."

In appellant's sole British application, hereinbefore quoted from, appellant did not claim to have discovered that polymers of ethylene had insulating properties. The statement in the application is that the invention there claimed may take many practical forms, and

> "These are based on the fact that, in bulk form, the solid polymers of ethylene have been found to possess a high electrical resistance, a low power factor and a high breakdown voltage."

It would have been easy for appellant to have stated in his instant application, if such was the fact, that he alone discovered that polymers of ethylene possessed insulating properties, but he did not do so. Not only did appellant fail to make such disclosure, but it appears from the request for reconsideration of the final rejection by the Examiner, appellant's counsel attributed the disclosure of the insulating properties of polymers of ethylene to the joint applicants.

Said motion for reconsideration states:

> The facts regarding the matter of inventorship are as follows:
> The subject matter of the parent application, Serial No. 138,266 filed April 21, 1937, jointly by the present applicant with Paton and Williams, was filed in Great Britain as two separate applications within twelve months prior to filing the mentioned United States parent application. One of the British cases 12202/36 filed jointly in the name of the present applicant Perrin with Paton and Williams is directed to ethylene polymer films as the invention *with disclosure of electrical conductors insulated therewith*. The other case, 12203/36, in the name of the present applicant Perrin alone describes the invention as consisting of the ethylene polymer electrically insulated conductors.
> These two British cases were combined in a single United States case which forms the parent application because the subject matter of the two British cases seemed too close for separate patents in this country unless the Office for reasons of its own required division.
> Division of the claims to the ethylene polymer insulated conductor was required in the parent application, traversed, and made final. Claims directed to the subject matter now claimed in this case were continuously pending in the parent case until the filing of the present sole application. [Italics ours.]

It thus appears that when said motion for reconsideration was made appellant's counsel deemed that the disclosure of the insulating properties of polymers of ethylene was properly made in the joint application, and was not the discovery of appellant alone.

Appellant's instant application contains several other matters which make it difficult, if not impossible, to determine any exact line of division between his instant application and the joint application. However, in view of our foregoing discussion of the discovery of insulating properties of polymers of ethylene, we do not find it necessary to discuss the other matters in appellant's instant application, and their relation to the joint application.

It is elementary that to constitute a proper division of an application, a different invention must be involved.

Inasmuch as it appears to us to be uncertain as to what portion of appellant's disclosure relates to what is claimed to be his sole invention and what portion thereof relates to the joint invention disclosed in the joint application, we are in accord with the holdings of the Patent Office tribunals that appellant is not entitled to the benefit of the date of the joint application.

It follows that all of the patents cited are valid references against the patentability of the allowed claims, and they clearly negative patentability thereof.

It appears to us that the involved claims might have been allowable in the joint application had not division been required. Appellant might have appealed to the Board of Appeals from the order requiring division, but failed to do so.

If appellant was the first to discover that polymers of ethylene possessed insulating qualities, it is unfortunate that this was not clearly set out in his instant application and in the disclaimer of Williams, one of the joint applicants, but we must pass upon the record as made in the Patent Office.

In view of our holding with respect to appellant's application not being entitled to the benefit of the date of the joint application, it is unnecessary for us to pass upon the question of whether the fact that one of the joint applicants, Paton, was reported "missing" relieved appellant from furnishing a disclaimer from him. However, we think it proper to observe that the affidavits presented do not state that appellant alone discovered that polymers of ethylene have insulating properties.

[3] We also think it proper to observe that while appellant relies upon the case of *In re Roberts*, supra, to establish that a sole application may, under certain conditions, be entitled to the benefit of an earlier joint application, it must be shown, as there held, that the joint application was made through mistake and that appellant acted with reasonable diligence to correct it.

The Patent Office tribunals did not pass upon either of these questions, although we think that they should have done so for the reason that if we were of the opinion that they erred in holding that appellant's application could not be considered as a continuation-in-part of the joint application for the reasons stated by them, we would then have been able to review their findings upon the questions of mistake and diligence which also go to the question of appellant's right to have his application considered as a continuation-in-part of said joint application. However, in concluding that the decision of the Board should be affirmed, we have not considered these questions.

[4] The decision of the Board of Appeals is affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

U. S. Court of Customs and Patent Appeals

IN RE MONTGOMERY ET AL.

No. 4,888. Decided April 4, 1944

[142 F.(2d) 262]

1. PATENTABILITY—MECHANICAL SKILL.
   Making a spring compensator for a chuck in segments so that one compensator can be changed for another or removed for repairs without practically dismantling the entire chucking mechanism *Held* obvious to one skilled in the art.
2. SAME—PATENTABILITY DISTINGUISHED FROM RIGHT TO MAKE CLAIMS.
   In regard to the element "means carried by the frame," specified in claims 7, 9, 10, and 11 on appeal, which were rejected upon or in view of a patent to one Muehlmatt, *Held* that "were this an interference proceeding between appellants' application and the Muehlmatt patent, where every element of a claim is deemed material, the failure of Muehlmatt to disclose the element would be determinative of his right to make the claim, but in this ex parte proceeding, the element cannot affect patentability of the claims unless it contributes in some way to the invention claimed."
3. SAME—CHUCK ACTUATING MEANS.
   Certain claims drawn to a chuck actuating means for use with a collet type chuck *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Mitchell & Bechert (*Mr. Martin T. Fisher* and *Mr. Fred J. Bechert* of counsel) for Montgomery et al.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting claims 2, 3, 4, 5, 7, 9, 10, and 11 of appellants' application for a patent. Three claims were allowed, and four claims, 13 to 16, inclusive, were rejected by the Examiner upon the ground of estoppel. The Board also affirmed the Examiner's decision with respect to these rejected claims, but appellants did not include them in their appeal so they are not before us.

The claims involved in this appeal were rejected as lacking patentability over the cited prior art.

Claims 2 and 10 are illustrative and read as follows:

> 2. In a machine of the character indicated, a spindle, a chuck actuator carried thereby, chucking means including a pair of opposed chucking abutments carried by said chuck actuator and spindle, and a spring compensating means interposed between said abutments, said compensating means including a divided ring member comprising segments surrounding said chuck actuator, whereby said divided ring-member may be opened and removed from said spindle in a direction lateral thereof.
> 10. In a machine of the character indicated, a frame, a spindle supported therefrom, a chuck actuator carried by said spindle, means for actuating said chuck actuator, including a pair of chucking abutments, one of said abutments being adjustable, and means carried by said frame and cooperable with said adjustable abutment, said last mentioned means including a manually operable means located at a readily accessible point remote from said adjustable abutment, for adjusting the same.

Appellant's application involves two alleged inventions so closely related that division was not required by the Examiner. The subject matter relates to machine tools. Claims 2 to 5 embrace one of the alleged inventions, and claims 7, 9, 10, and 11 embrace the other alleged related invention.

The structure involved is quite complicated and cannot be well described without reference to the drawings of the application. We, therefore, attach hereto copies of such of the drawings as are neces-

sary for an understanding of the subject matter involved.

The Examiner, in his "Statement" on appeal, concisely described the subject matter before us as follows: (The numerals refer to the attached drawings.)

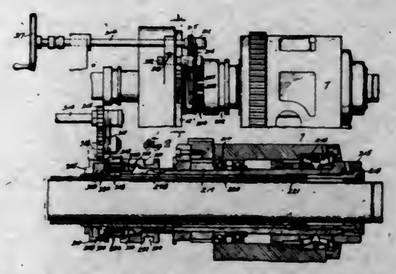
These claims are drawn to features of a chuck actuating means for use with a collet type chuck. The actuator structure is typified by that shown in the left hand portion of Fig. 2.

A sleeve 220 which actuates the collet 218 is provided with screw threads upon its outward end. Threaded thereon is an abutment collar 303 which can be adjusted axially along the thread. A lock nut 305, also threaded to the sleeve, is provided with a flange 306 overhanging the abutment collar and a helical slot 307 of the same pitch as the screw threads is formed therein to receive the pin 308 in the abutment collar. By means of gear teeth on the collar and lock nut, remote controlled means 316 may be selectively engaged with the same to first loosen the lock nut, move the abutment along the actuator sleeve, and then tighten the lock nut.

Spaced axially from the abutment collar is another abutment 299 to which chucking and unchucking motion is imparted. The motion of this latter abutment is transmitted to the first mentioned abutment through a compensator generally indicated by reference character 304.

The Examiner then described the spring compensator and its functions which are not material with respect to the questions before us. He concluded his description with the following statement:

By making the compensator in segments the same can be removed laterally without dismantling the entire structure.



The references cited are: Muehlmatt, 985,536, February 28, 1911; Drissner, 1,465,257, August 21, 1923; Montgomery, 2,153,971, April 11, 1939.

We do not deem it necessary, at this point, to describe the disclosures of the references except to say that their general subject matter is the same as that here involved. So far as these patents are relevant to the questions before us they will be referred to in our consideration of the claims.

The claims will be considered in two groups, the first group consisting of claims 2 to 5, inclusive, and the second group claims 7, 9, 10, and 11.

With respect to the first group of claims, the Examiner stated:

Claims 2 and 3 stand rejected as unpatentable over each of the patents to Montgomery and Drissner. Each of these patents shows the organization called for in these claims including a spring compensator between two abutments, except that the compensator is not made in segments. It is contended, however, that to make the same in two or more segments, secured together, does not constitute invention and amounts to nothing more than the exercise of a common expediency. In various arts where it is desired to remove ring members, casings, bearings, etc., from a pipe or shaft it is common practice to split the parts into two or more segments and provide some fastening means for holding the segments together when assembled. To apply such an expediency to the compensator of the prior art would be obvious even to one with only a limited mechanical knowledge and would produce only expected functions and results.

Claims 4 and 5 stand rejected as unpatentable over Drissner for the same reasons as set out in the foregoing paragraph. The specific compensator structure called for in these claims, including pins and surrounding springs, is shown by Drissner. Again, to make this structure in two segments to be removable from the machine laterally is not considered to constitute invention.

The Board of Appeals, in its decision, stated:

Claims 2, 3, 4, and 5 stand rejected as unpatentable over the patents to Montgomery and Drissner. Claims 2 and 3 are intended to present patentability by use of a divided ring member comprising segments surrounding a chuck actuator especially when a spring compensating means is interposed between the chucking abutments. Appellants urge that Drissner does not even suggest a spring compensator for a chuck nor making it in segments and Montgomery shows as a spring compensator a stiff spring ring or washer 17. While this may be true, we believe the Examiner is warranted in his holding of lack of invention to use a split ring in segments for holding certain parts on a driving spindle so that the parts can be gotten at readily for repair and removal. For reasons discussed more fully by the Examiner, we believe this ground of rejection should stand.

It will be observed that it appears from the Examiner's statement that he rejected claims 2 and 3 upon Montgomery, and claims 4 and 5 upon Drissner alone. The Board, however, without directly so stating, held, in effect, that claims 4 and 5 were unpatentable upon Drissner in view of Montgomery. Appellants' reasons of appeal assume such to be the fact, and appellants, in their brief, make no contention to the contrary.

Appellants, in their brief, admit that Montgomery discloses a spring compensator for a collet or chuck placed between two abutments, as recited in the involved claims. Montgomery's compensator, however, is not composed of segments, and it is this element in the first group of claims which appellants contend renders them patentable. They point out the great advantage in such construction which enables one compensator to be changed for another or removed for repairs without practically dismantling the entire chucking mechanism. The Examiner admitted that this feature is not shown in any of the references, but he stated, as hereinbefore quoted, that in various arts where it is desired to remove ring members from a shaft,

"it is common practice to split the parts into two or more segments and provide some fastening means for holding the segments together when assembled,"

and that to apply such an expediency to the spring compensator disclosed by Montgomery would be obvious to one skilled in the art.

Appellants, in their brief, do not challenge the statement of the Examiner that in the various arts where it is desirable to remove a ring member from a pipe or shaft, it is common practice to make the ring member in segments and provide fastening means for holding the segments together, but they contend that it has been the universal practice to make spring compensators for collets integral, necessitating the dismantling of the chuck mechanism whenever it became necessary to renew the spring compensator.

In the first place, there is nothing in the record relative to what the universal practice has been regarding spring compensators, nor is it suggested by appellants why, if it became necessary to remove the spring compensator, it would not readily occur to one skilled in the art that the compensator could be made in segments following the common practice where it is necessary to remove ring members from shafts or pipes.

[1] In view of the foregoing, we are unable to find that the Patent Office tribunals erred in their holding that the making of the spring compensator in segments for the purpose stated would be obvious to one skilled in the art, and consequently the rejection of the claims in this group must be approved.

Appellants claim the Examiner was inconsistent in allowing claim 1 and rejecting claims 2 to 5, and assert that if claim 1 is patentable claims 2 to 5 are also patentable.

We have so frequently ruled that patentability of rejected claims cannot be determined by consideration of allowed claims that citation of authority to that effect is unnecessary.

We come now to the consideration of the second group of claims—7, 9, 10, and 11.

The Examiner rejected claims 7, 9, and 10 upon the patent to Muehlmatt alone, and claim 11 upon Montgomery in view of Muehlmatt.

The subject matter of these claims relates to an adjustment means for the collet or chuck indicated by the numerals 314, 315, 316, and 317 of the drawings. Claim 11 differs from 7, 9, and 10 in that it includes compensator means between abutments which are disclosed in Montgomery but not in Muehlmatt.

With respect to this group of claims, the decision of the Board states:

Claims 7, 9, 10 and 11 stand rejected on Muehlmatt. Appellant urges this patent shows an ordinary collet with a handle D for actuating the chucking fingers to move the abutment members relative to the spindle and that the adjustment of the collet may be effected by turning the collet tube by means of the handle P directly thereon. The claims differentiate by reciting an actuating member actuable from a point remote from the chucking abutment but we do not consider that this broad distinction is patentable. The element P in the Muehlmatt patent might be positioned quite a distance from the chucking elements if thought desirable.

Claim 10 recites the manual operating means remote from the adjustable abutment and associated with means carried by the frame for operating the same. We consider this claim is too broadly expressed but we are not inclined to hold with the Examiner that an operator standing on the frame could be read into the claim as such means.

Claim 11, which recites a manual removable shaft supported by the frame for removing one of the abutments is also not patentable for the reasons given by the Examiner.

It is our view that the appealed claims are directed broadly to features of the mechanism not sufficiently distinguished from the prior art to present patentable merit.

We would observe that here, again, the Board inaccurately stated the ground of rejection by the Examiner of claim 11. This claim, as hereinbefore stated, was not rejected upon Muehlmatt alone, but upon Montgomery in view of Muehlmatt.

What is termed a handle in the above quotation, referring to the letter P in the reference, is described in the patent as a "handwheel" and is so shown in the drawings. It is not carried by the frame of the machine, but is attached to the collet tube.

In view of the fact that appellants, in their brief, concede that Muehlmatt discloses all of the elements of these claims except the means 314, 315, and 316 shown on appellants' drawings hereto attached, and means 317 located at a remote point for adjusting the collet, it is unnecessary for us to further discuss the Muehlmatt patent.

Appellants' brief states:

The vital limitation in each of the above claims is the limitation of a shaft or other means carried by the frame of the machine and having means cooperable with an adjusting nut or abutment, together with remote actuating means for actuating the shaft so as to adjust the collet. As has been pointed out, the actuating handle 317, located in a fully accessible place and remote from all of the congestion of the normal collet adjusting nuts, offers an easy and quick method of collet adjustment. A machine operator welcomes such an adjusting device which saves such a vast amount of time and labor.

• • • • • • •

In addition to everything shown by Muehlmatt on Montgomery, the appellants have provided the shaft 314 carried by the frame of the machine and having means such as a handle 317 located at a remote point to facilitate adjustment of the collet. None of the references even suggests any means carried by the frame of the machine for adjusting the collet.

Therefore, the only question upon this branch of the case is whether the above named elements lacking in Muehlmatt render the claims patentable.

We are unable to see wherein the element in the claims "carried by the frame of the machine" is material in determining the patentability of the claims. This feature was not discussed by either of the Patent Office tribunals, except that the Examiner held that the claims are broad enough to read on Muehlmatt's device with the operator of the machine standing on the frame and turning the hand wheel either with his hand or through the medium of a wrench. The Board, in its decision, properly disagreed with this suggestion.

[2] While the element "means carried by the frame" might involve patentability of some claims that might have been made under appellants' disclosure, we find nothing in the record that makes this element important in the claims before us, and appellants have not suggested any reason why it lends patentability to the claims. Were this an interference proceeding between appellants' application and the Muehlmatt patent, where every element of a claim is deemed material, the failure of Muehlmatt to disclose the element would be determinative of his right to make the claim, but in this ex parte proceeding, the element cannot affect patentability of the claims unless it contributes in some way to the invention claimed.

So far as the claims before us are concerned it appears to be immaterial, in passing upon their patentability, whether the means for adjustment are carried on the frame, as disclosed by appellants, or on some portion of the mechanism, as shown in Muehlmatt.

With respect to the element of the claims providing for remote control of the actuating means for adjustment, the Examiner said:

In the first place, the provision of a remote control means broadly for actuating the handwheel of Muehlmatt, even to the extent of using a shaft in the same is not considered to amount to invention.

Such a means is common in many mechanical installations and its use here would produce no different function or result than would be expected.

As will be noted from our quotation from the decision of the Board, it was of the opinion that this element does not render the claims containing the same patentable, and it expressed the opinion

that the hand wheel of the Muehlmatt patent could, if thought desirable, be positioned at a distance from the chucking element.

The Examiner's statement that the use of a shaft to effect remote control is common in many installations, and its use in appellants' device would produce no different function or result than would be expected, is not challenged in the record.

It appears to us that while appellants' device is an improvement over the art of record, such improvement involved merely mechanical skill, and we are in agreement with the Board that the features embraced in the claims are not sufficiently distinguished from the prior art to present patentable merit.

[3] The decision appealed from is affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

Trade-Mark Registrations Canceled

308,454. Celery. Zacharias Gavalyas, New York, N. Y. Registered December 5, 1933. Canceled July 15, 1944.

323,627. Peanut and soy bean butter. Martin Peanut Products Corporation, doing business as American Peanut Butter Co., Chicago, Ill. Registered April 23, 1935. Canceled July 15, 1944.

333,429. Women's shoes made of fabric and leather and combinations of fabric and leather. O'Connor & Goldberg, Chicago, Ill. Registered March 24, 1936. Canceled July 15, 1944.

336,784. Hosiery. Carson Pirie Scott & Company, Chicago, Ill. Registered July 14, 1936. Canceled July 15, 1944.

343,431. Women's and misses' shoes made of leather, rubber, fabric, and combinations thereof. Gladding's Incorporated, Providence, R. I. Registered February 23, 1937. Canceled July 15, 1944.

345,888. Cravats. Harry Isaacs, Inc., New York, N. Y. Registered May 11, 1937. Canceled July 15, 1944.

358,137. Razors and razor blades. American Merchandise Company, Inc., New York, N. Y. Registered June 28, 1938. Canceled July 15, 1944.

360,655. Aluminum earth filtering materials, particularly for treating oils. Max B. Miller & Co. Inc., New York, N. Y. Registered September 20, 1938. Canceled July 15, 1944.

375,849. Nonalcoholic, noncereal, maltless beverages sold as soft drinks, and syrups and extracts for making the same. Joseph Antonio Lico and Elmer Richard Lico, Watsonville, Calif. Registered March 5, 1940. Canceled July 15, 1944.

376,089. Women's, misses', and children's dresses, coats, skirts, blouses, and ski suits. Neiring, Inc., Chicago, Ill. Registered March 12, 1940. Canceled July 15, 1944.

389,703. Musical instruments, supplies and accessories; such as, string instruments, etc. United Music Company, Inc., New York, N. Y. Registered August 19, 1941. Canceled July 15, 1944.

398,354. Worsted suitings, in the piece or cut lengths. Manchester Worsted Mills Corporation, Methuen, Mass. Registered October 20, 1942. Canceled July 15, 1944.

399,193. Crude coal tar. John D. Farber, doing business as Briggs Bituminous Composition Company, Philadelphia, Pa. Registered December 22, 1942. Canceled July 15, 1944.

402,764. Woolen piece goods. Forstmann Woolen Co., Passaic, N. J. Registered August 10, 1943. Canceled July 15, 1944.

403,656. Food composition in powdered form containing skim milk, corn syrup, etc. Puro Products Company, Chicago, Ill. Registered October 5, 1943. Canceled July 15, 1944.

404,322. Men's and boys' topcoats and overcoats. E. Sussman & Co., Inc., New York, N. Y. Registered November 16, 1943. Canceled July 15, 1944.

404,541. Conserves, jellies, pickles, etc. Ernest A. Dreher, Jr., Newark, N. J. Registered November 30, 1943. Canceled July 15, 1944.

405,389. Men's suits—that is, coats, vests, and trousers, etc. Goodman & Suss Clothes Corporation, New York, N. Y. Registered January 25, 1944. Canceled July 15, 1944.

405,547. Casein wall paint. Mid-Continent Paint & Lacquer Mfg. Co., Kansas City, Mo. Registered February 1, 1944. Canceled July 15, 1944.

405,555. Aperitif wine. Joseph Abrams, doing business as The Josebra Company, The Service Liquor Bottlers, The Martossi Company, The Norjo Company, The Smarba Company, The Davan Company, The Dew Bow Company, and The Joseph Abrams Company, San Francisco, Calif. Registered February 1, 1944. Canceled July 15, 1944.

406,037. Merchandise display forms for children's, men's and women's apparel articles and children's, etc. L. A. Darling Company, Bronson, Mich. Registered March 7, 1944. Canceled July 4, 1944.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 8, 1944

[VOL. 565. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 466,547. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed Jan. 13, 1944.



Applicant is the owner of Reg. No. 77,178.

FOR SYNTHETIC RESINOUS MATERIALS IN THE FORM OF SHEETS, RODS, TUBES, AND MOLDING COMPOUNDS.

Claims use since June 5, 1935.

Ser. No. 469,071. AGICIDE LABORATORIES, INC., Racine, Wis. Filed Apr. 6, 1944.

AGICHAR

FOR VEGETABLE CHARCOAL AS THE PARTIALLY PREPARED MATERIAL FOR GAS MASKS AND OTHER CHEMICAL USES UTILIZING THE ABSORBENT PROPERTIES OF CHARCOAL.

Claims use since Sept. 9, 1940.

CLASS 2

RECEPTACLES

Ser. No. 458,172. THE CRANE & BREED CASKET COMPANY, Cincinnati, Ohio. Filed Jan. 26, 1943.

ETERNALITE

FOR BURIAL CASKETS.

Claims use since May 20, 1942.

Ser. No. 471,445. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 20, 1944.

HERCULES

FOR COTTON PICKERS' SACKS.

Claims use since 1926.

CLASS 5

ADHESIVES

Ser. No. 470,965. THE CORDO CHEMICAL CORPORATION, Norwalk, Conn. Filed June 7, 1944.

CORDO-BOND C#

No claim is made to the word "Bond" except as shown.

FOR ADHESIVES MADE OF PLASTIC RESINS COMBINED WITH OTHER MATERIALS.

Claims use since May 17, 1944.

Ser. No. 471,157. S. W. LANDSBERGER CHEMICAL WORKS, INC., New York, N. Y. Filed June 12, 1944.

ESWEL

FOR GLUES.

Claims use since Mar. 10, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 462,018. INTERNATIONAL SALT COMPANY, Scranton, Pa. Filed July 12, 1943.

LIXATE

FOR ROCK SALT FOR FORMING BRINE.
Claims use since July 1936.

Ser. No. 463,173. THE LANDER CO. INC., New York, N. Y. Filed Sept. 2, 1943.

Tiki

FOR PERFUME AND TOILET WATERS.
Claims use since July 26, 1943.

Ser. No. 464,626. THE C. F. SAUER COMPANY, Richmond, Va., Filed Nov. 2, 1943.

BIG THREE COUGH SYRUP

No claim is made to the words "Cough Syrup" apart from the mark.
FOR COUGH SYRUP.
Claims use since June 1, 1935.

Ser. No. 464,757. PEMCO CORPORATION, Baltimore, Md. Filed Nov. 5, 1943.

PEMCO

FOR RAW MINERALS AND CHEMICALS—NAMELY, AMMONIUM CARBONATE, BARIUM CARBONATE, CALCIUM CHLORIDE, MAGNESIUM CARBONATE, SILICA, FELDSPAR, POTASH, ALUM, AMMONIA ALUM, ZINC OXIDE, SODIUM ALUMINATE, SODA ASH, NEPHELINE SYENITE, BENTONITE, BORAX, TITANIUM OXIDE, EPSOM SALTS FOR GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since 1919.

Ser. No. 465,295. HANS H. MASIK, New York, N. Y. Filed Nov. 25, 1943.



FOR TOILET WATERS, EAU DE COLOGNE AND PERFUMES.
Claims use since Aug. 1, 1943.

Ser. No. 465,742. THOMAS A. KIDD, doing business as Pak Products Company, Cleveland, Ohio. Filed Dec. 13, 1943.



FOR EMBALMING POWDERS.
Claims use since November 1934.

Ser. No. 466,137. ASSOCIATED DISTRIBUTORS, assignor to Consolidated Cosmetics, Chicago, Ill. Filed Dec. 29, 1943.

CAMERA-CAKE

No claim is made to the word "Cake" alone.
FOR LIPSTICK, ROUGE, FACE POWDER, PREPARATIONS FOR THE SKIN, HAIR AND FINGER NAILS, AND PERFUMES.
Claims use since June 13, 1934.

Ser. No. 466,209. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed Dec. 31, 1943.

Phos-Feed

The suffix "Feed" is disclaimed apart from the mark.
FOR MINERAL SUPPLEMENTS FOR USE IN POULTRY AND ANIMAL FOODS.
Claims use since July 2, 1943.

Ser. No. 466,637. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Jan. 17, 1944.

BUG FLAK

No claim is made to the word "Bug" apart from the mark.
FOR INSECTICIDES AND INSECT REPELLENTS.
Claims use since Oct. 1, 1943.

Ser. No. 466,638. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Jan. 17, 1944.

FLAK

FOR INSECTICIDES AND INSECT REPELLENTS.
Claims use since Oct. 1, 1943.

Ser. No. 466,639. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Jan. 17, 1944.

JEEPERS CREEPERS

No claim is made to the word "Creepers" per se.
FOR INSECTICIDES AND INSECT REPELLENTS.
Claims use since Oct. 1, 1943.

Ser. No. 466,896. MAURICIO Y ALBERTO HABIF Y CIA., Habana, Cuba. Filed Jan. 26, 1944.

frontiere

FOR PERFUME, SKIN LOTION, AND TOILET WATER.
Claims use since Apr. 10, 1941.

Ser. No. 466,897. MAURICIO Y ALBERTO HABIF Y CIA., Habana, Cuba. Filed Jan. 26, 1944.

FIBAN

FOR PERFUME, SKIN LOTION, AND TOILET WATER.
Claims use since Apr. 10, 1941.

Ser. No. 467,209. ROCHE-ORGANON, INC., Nutley, N. J. Filed Feb. 5, 1944.

ESTRAORAL

FOR ESTROGEN PREPARATIONS EMPLOYED IN THE TREATMENT OF MENOPAUSE HYPOOVARIANISM, VAGINITIS, AND DISTURBANCE OF THE MENSTRUAL CYCLE.
Claims use since Jan. 20, 1944.

Ser. No. 467,265. S. S. CARLAT, doing business as Coast Chemical Company, Los Angeles, Calif. Filed Feb. 8, 1944.



No claim is made to the words "Chemical Company" apart from the mark.
FOR FISH LIVER OILS, FISH LIVER OIL CONCENTRATES, SYNTHETIC VITAMINS, MEDICINAL CHEMICALS, AND HORMONE MATERIALS—NAMELY, VITAMIN A, OIL AND CONCENTRATES, DI-CALCIUM PANTOTHENATE, IRRADIATED ERGOSTEROL AND OTHER STEROLS, SODIUM PENTOBARBITAL, METHYL TESTOSTERONE (NATURAL EXTRACT), PROGESTERONE, AND CHOLESTEROL.
Claims use since Sept. 30, 1943.

Ser. No. 467,377. OMEGA CHEMICAL COMPANY, INC., Jersey City, N. J. Filed Feb. 12, 1944.

KADOL

FOR OINTMENT OR SALVE FOR EXTERNAL TREATMENT OF THE SKIN.
Claims use since Feb. 9, 1944.

Ser. No. 468,713. THOMAS A. KIDD, doing business as Pak Products Company, Cleveland, Ohio. Filed Mar. 27, 1944.

PAK

FOR EMBALMING FLUIDS.
Claims use since November 1934.

Ser. No. 468,749. GEIGY COMPANY, INC., New York, N. Y. Filed Mar. 28, 1944.

GESAPON

FOR CHEMICAL PRESERVATIVES FOR PLANTS, GERMICIDES, INSECTICIDES, FUNGICIDES, VEGECIDES, STERILIZERS, AND DISINFECTANTS.
Claims use since Mar. 9, 1944.

Ser. No. 468,868. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y. Filed Mar. 31, 1944.

BENZO-SALYL

FOR PREPARATION FOR INTRAMUSCULAR INJECTION, INDICATED IN SCIATICA, NEURITIS, AND CERTAIN TYPES OF ARTHRITIS.
Claims use since Feb. 29, 1944.

Ser. No. 468,869. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y. Filed Mar. 31, 1944.

BISULFIN

FOR PREPARATION FOR INTRAMUSCULAR INJECTION—AN ORGANIC BISMUTH COMPOUND TO OBTAIN SYSTEMIC EFFECTS IN SYPHILIS.
Claims use since Feb. 29, 1944.

Ser. No. 468,870. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y. Filed Mar. 31, 1944.

CHONDRO-STANN

FOR PREPARATION FOR INTRAMUSCULAR INJECTION—AN ORGANIC TIN PREPARATION FOR USE IN THE TREATMENT OF FURUNCLES, CARBUNCLES, ACNE, AND OTHER STAPHYLOCOCCAL INFECTIONS.
Claims use since Feb. 29, 1944.

Ser. No. 468,871. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y. Filed Mar. 31, 1944.

FERROCONATE

FOR IRON SALT USED PARENTERALLY FOR THE TREATMENT OF ANEMIAS.
Claims use since Feb. 29, 1944.

Ser. No. 468,872. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y. Filed Mar. 31, 1944.

GENESTROLIN

FOR PREPARATION FOR INTRAMUSCULAR INJECTION—A STABLE SOLUTION OF THE NATURAL ESTROGENIC HORMONE IN OIL INDICATED IN THE TREATMENT OF NATURAL AND ARTIFICIAL MENOPAUSE, DYSMENORRHEA, FUNCTIONAL AMENORRHEA. AND IN GONORRHEAL VAGINITIS IN CHILDREN.
Claims use since Feb. 29, 1944.

Ser. No. 468,873. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y. Filed Mar. 31, 1944.

LESITOL

FOR PREPARATION FOR INTRAMUSCULAR INJECTION, INDICATED IN THE TREATMENT OF DISTURBANCES OF LIPOID METABOLISM, PSORIASIS, HYPERCHOLESTEREMIA, LIVER CIRRHOSIS, HEPATIC INSUFFICIENCY.
Claims use since Feb. 29, 1944.

Ser. No. 468,874. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y. Filed Mar. 31, 1944.

NUTRIPLEX

FOR PREPARATION WHICH IS A SOLUTION OF VITAMIN B COMPLEXES USED PARENTERALLY FOR THE ANEMIAS, INCLUDING PERNICIOUS, AND IN DEFICIENCIES OF VITAMIN B COMPLEX.
Claims use since Feb. 29, 1944.

Ser. No. 468,926. THE NATIONAL MINERAL COMPANY, Chicago, Ill. Filed Apr. 1, 1944.

NAMINCO

FOR SHAMPOO.
Claims use since June 1, 1940.

Ser. No. 469,020. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Apr. 4, 1944.

SOLVENOL

FOR EMULSIFYING, SCOURING, AND PENETRATING AGENT AND ASSISTANT FOR TEXTILE FABRICS.
Claims use since June 1920.

Ser. No. 469,100. THE WELLA CORPORATION, New York, N. Y. Filed Apr. 6, 1944.

WELLIN

FOR PERMANENT WAVE SOLUTIONS.
Claims use since October 1931.

Ser. No. 469,646. THE ODELL COMPANY, INC., Newark, N. J. Filed Apr. 25, 1944.

Tonator

FOR SHAMPOO AND DANDRUFF TREATMENT.
Claims use since June 1939.

Ser. No. 469,675. EFFERVESCENT PRODUCTS, INC., Elkhart, Ind. Filed Apr. 26, 1944.

Sulfathia-Vess

FOR EFFERVESCENT TABLETS CONTAINING SULFATHIAZOLE FOR MEDICINAL USE IN THE TREATMENT OF UPPER RESPIRATORY INFECTIONS INCLUDING LARYNGITIS, PHARYNGITIS, AND PNEUMONIA; SCARLET FEVER; BACTERIAL FORMS OF INTESTINAL AND GENITO-URINARY CONDITIONS ASSOCIATED WITH STREPTOCOCCUS AND STAPHYLOCOCCUS INFECTIONS.
Claims use since Apr. 11, 1944.

Ser. No. 469,742. ANDREW J. WORONKA, doing business as New England Chemical and Supply Co., Manchester, N. H. Filed Apr. 27, 1944.

WOREX

FOR CHEMICAL PREPARATION USED AS A BLEACH, HOUSEHOLD AND PERSONAL DISINFECTANT, MILDEW INHIBITOR AND REMOVER; SAID PREPARATION ALSO HAVING INCIDENTAL CLEANSING PROPERTIES.
Claims use since Dec. 15, 1942.

Ser. No. 469,750. ROSIE DRONES, Chicago, Ill. Filed Apr. 28, 1944.

DRONES ROSIE

No claim is made to the word "Drones" apart from the mark.
FOR SALVE OR SEMI-LIQUID HAIR GROWER.
Claims use since Aug. 10, 1943.

Ser. No. 469,760. RAYMOND S. GIBBS, doing business as Standard Wood Preserver Company, New Orleans, La. Filed Apr. 28, 1944.

EAGLE *Net Dip*

The words "Net Dip" are disclaimed apart from the mark.
FOR CHEMICAL PREPARATION FOR USE AS A FISH NET PRESERVATIVE.
Claims use since July 15, 1942.

Ser. No. 469,761. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 28, 1944.

CUPRAX

FOR ACCELERATORS FOR THE VULCANIZATION OF RUBBER.
Claims use since Apr. 11, 1944.

Ser. No. 469,923. IRENE BLAKE COSMETICS, INC., doing business as Artfield Creations, New York, N. Y. Filed May 4, 1944.

KENTUCKY CLUB

The term "Kentucky" is disclaimed apart from the mark.
FOR HAIR TONIC, AFTER SHAVE LOTION, AND AFTER SHAVE POWDER.
Claims use since November 1939.

Ser. No. 469,971. THE J. R. WATKINS COMPANY, Winona, Minn. Filed May 5, 1944.

PFUM

FOR MEDICATED GUM USED FOR THE RELIEF OF ACID INDIGESTION.
Claims use since Apr. 18, 1944.

Ser. No. 470,107. FLORIDA CHEMICAL INDUSTRIES, INC., Sparr, Fla. Filed May 10, 1944.

HELMINEX

FOR PREPARATION FOR USE IN THE ELIMINATION OF WORMS IN ANIMALS AND POULTRY.
Claims use since Oct. 1, 1941.

Ser. No. 470,108. FLORIDA CHEMICAL INDUSTRIES, INC., Sparr, Fla. Filed May 10, 1944.

SMEAREX

FOR PREPARATION FOR THE PREVENTION AND TREATMENT OF SCREWWORM INFESTATION IN LIVESTOCK.
Claims use since Oct. 1, 1940.

Ser. No. 470,124. SPECIFIC PHARMACEUTICALS, INC., New York, N. Y. Filed May 10, 1944.

SOLU-AZIN

FOR SULFADIAZINE AND SULFAMERAZINE INJECTION.
Claims use since June 2, 1942.

Ser. No. 470,217. THE WILBERT PRODUCTS CO., INC., New York, N. Y. Filed May 12, 1944.

ACK-ACK

FOR INSECT SPRAY.
Claims use since January 1944.

Ser. No. 470,335. GALLOWHUR CHEMICAL CORPORATION, Windsor, Vt. Filed May 17, 1944.

THESIA

FOR PREPARATION FOR EXTERNAL APPLICATION AND HAVING MILD ANESTHETIC PROPERTIES.
Claims use since Apr. 28, 1944.

Ser. No. 470,352. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed May 17, 1944.

DITHANE

FOR INSECTICIDES, FUNGICIDES, OR DISINFECTANTS.
Claims use since Apr. 28, 1944.

Ser. No. 470,371. WILLIAM H. DUNCAN, doing business as Standard Medicine Company, St. Louis, Mo. Filed May 18, 1944.

OZON

FOR MEDICINES FOR RHEUMATISM, BACKACHE, KIDNEY AND BLADDER TROUBLES, TOOTHACHE, SALIVATION, CUTS, BRUISES, SORE THROAT, COUGHS, HAY FEVER, BURNS, ITCH, TETTER, RINGWORM, POISON OAK, INSECT BITES, SORES, SWELLINGS, AND INSECTICIDES.
Claims use since September 1934.

Ser. No. 470,374. FOREST CITY PRODUCTS, INC., Cleveland, Ohio. Filed May 18, 1944.

CRO-PAX

FOR MEDICATED CORN PADS, MEDICATED CORN PLASTERS, MEDICATED DISKS FOR CORNS, MEDICATED CALLOUS PADS, MEDICATED BANDAGES, A PREPARATION FOR REMOVING CORNS AND CALLOUSES, A PREPARATION FOR TREATMENT OF ATHLETE'S FOOT, A PREPARATION FOR TREATMENT OF INGROWN NAILS, CORN SALVE, FOOT POWDER AND FOOT BALM.
Claims use since July 1, 1935.

Ser. No. 470,402. IRENE BLAKE COSMETICS, INC., New York, N. Y. Filed May 19, 1944.

Pin-Up

FOR AFTER SHAVE LOTION.
Claims use since Apr. 26, 1944.

Ser. No. 470,434. BLOCK DRUG COMPANY, INC., Jersey City, N. J. Filed May 20, 1944.

GO-WAY

FOR INSECT REPELLENT.
Claims use since May 6, 1944.

Ser. No. 470,448. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed May 20, 1944.

CIROD

FOR MEDICINAL PREPARATION FOR SUPPLYING IRON, CALCIUM, AND VITAMIN D ESPECIALLY DURING PREGNANCY AND THE PUERPERIUM AND FOR IRON DEFICIENCY ANEMIA.
Claims use since May 4, 1944.

Ser. No. 470,449. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed May 20, 1944.

DIRCA

FOR MEDICINAL PREPARATION FOR SUPPLYING IRON, CALCIUM, AND VITAMIN D ESPECIALLY DURING PREGNANCY AND THE PUERPERIUM AND FOR IRON-DEFICIENCY ANEMIA.
Claims use since May 4, 1944.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 454,180. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed July 11, 1942.

FORTIFIED

The lining indicates shading only.
FOR ASPHALT SHINGLES.
Claims use since June 1939.

Ser. No. 462,214. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed July 21, 1943.



FOR GYPSUM CASTING PLASTER.
Claims use since August 1940.

Ser. No. 463,911. MUNN AND STEELE, INCORPORATED, Newark, N. J. Filed Oct. 5, 1943.

MASCOTE

FOR COATING MATERIAL CONSISTING OF A MIXTURE OF THERMALLY EXPANDED MICA, ASBESTOS FIBERS AND A REFRACTORY MINERAL BOND FOR HIGH TEMPERATURE INSULATION.
Claims use since March 1939.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 466,852. THOMPSON AIRCRAFT PRODUCTS CO., Cleveland, Ohio. Filed Jan. 24, 1944.

ATP

FOR CYLINDER HOLDING STUDS, BOLTS FOR ATTACHING THE TURBO-WHEEL TO A SUPERCHARGER, CONNECTING ROD BOLTS, CAP SCREWS, REDUCTION DRIVING GEAR NUT, ROCKER HUB BOLTS AND INTAKE PIPE PACKING NUTS.
Claims use since January 1942.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 459,373. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed Mar. 26, 1943. Under section 5b of the act of 1905 as amended in 1920 as to the word "Lincoln."

LINCOLNWELD

No claim is made to the word "Weld" apart from the mark.
FOR METALLIC WELDING RODS AND WELDING WIRE.
Claims use since Mar. 19, 1943, for "Lincolnweld," and since 1894 for "Lincoln."

Ser. No. 470,012. RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N. Y. Filed May 6, 1944.

EUTECROD

The term "Rod" per se is disclaimed apart from the mark.
FOR METALLIC WELDING, BRAZING AND SOLDERING RODS, WIRES, AND BARS, EITHER BARE OR COATED WITH FLUX SUBSTANCE FOR USE IN CONNECTION WITH OXY-ACETYLENE TORCHES, WITH ELECTRIC HEATING AND CARBON-ARC DEVICES.
Claims use since Apr. 21, 1944.

CLASS 15

OILS AND GREASES

Ser. No. 470,039. OIL STATES PETROLEUM CO., INC., New York, N. Y. Filed May 8, 1944.

OSPECO

FOR PARAFFIN WAX, LUBRICATING OIL AND GREASE, WHITE OIL, AND INSULATING OIL OF THE TYPE USED IN ELECTRIC TRANSFORMERS AND ELECTRIC SWITCHES.
Claims use since January 1923.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 458,825. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Feb. 27, 1943.

DURABOND

FOR PASTE PAINT.
Claims use since May 2, 1940.

Ser. No. 464,385. THE WILBUR & WILLIAMS PAINT CORPORATION, Boston, Mass. Filed Oct. 23, 1943.

NAMEL-ALL

FOR PAINT ENAMELS.
Claims use since Sept. 1, 1943.

Ser. No. 468,270. SUNDURÉ PAINT CORPORATION, Syracuse, N. Y. Filed Mar. 13, 1944.

SUNDURÉ

FOR READY MIXED, PASTE AND ENAMEL PAINT FOR HOUSE, BARN, AND ROOF; TRIM COLORS; PORCH AND FLOOR ENAMEL; SHINGLE PAINTS AND STAINS; PAINTS FOR BRICK AND STUCCO; ALUMINUM PAINTS; PRIMERS AND SEALERS; OIL STAINS; FLAT PAINTS; GLOSS AND SEMIGLOSS ENAMELS; ENAMEL UNDER COATS; CASEIN PAINTS; RESIN EMULSION PAINTS; VARNISHES

AND STAINS; PAINT AND VARNISH REMOVERS; VARNISH FLOOR SEALERS; OIL POLISHES FOR WOOD AND METAL; PAINT CLEANERS; WAX FOR USE ON WOOD, LINOLEUM, AND METAL SURFACES TO POLISH AND PRESERVE THEM; SHELLACS; PAINT OILS AND DRIERS; PASTE PAINT FILLERS AND CEMENT PAINTS.
Claims use since Mar. 2, 1939.

Ser. No. 468,885. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Mar. 31, 1944.

Plastic-Namel

No claim is made to the word "Plastic."
FOR READY MIXED PAINT AND PAINT ENAMEL.
Claims use since Mar. 28, 1944.

Ser. No. 469,022. ROXALIN FLEXIBLE FINISHES, INC., Elizabeth, N. J. Filed Apr. 4, 1944.

ROXALIN

FOR WRINKLE FINISH COMPOSITIONS, IN THE NATURE OF VARNISHES AND PHTHALIC ANHYDRIDE OIL MODIFIED RESIN COATING MATERIALS; PUTTIES; FILLERS, IN THE NATURE OF PIGMENTED COMPOSITIONS FOR FILLING THE PORES OR IRREGULARITIES IN A SURFACE PREPARATORY TO APPLICATION OF OTHER FINISHES; SIZES, IN THE NATURE OF LIQUID COATING COMPOSITIONS, USUALLY TRANSPARENT, FOR SEALING POROUS SURFACES PREPARATORY TO APPLICATION OF FINISHING COATS; PRIMERS, IN THE NATURE OF PIGMENTED AND CLEAR COATING COMPOSITIONS USUALLY APPLIED TO SURFACES TO PRODUCE A BOND BETWEEN SUCH SURFACES AND SUBSEQUENT FINISH COATS; SURFACERS, IN THE NATURE OF CLEAR OR PIGMENTED COMPOSITIONS FOR FILLING MINOR IRREGULARITIES TO OBTAIN SMOOTH UNIFORM SURFACES PREPARATORY TO APPLYING FINISH COATS; VARNISHES; DOPES FOR AVIATION AND FOR NATURAL AND ARTIFICIAL LEATHER; BUFFING COMPOUNDS FOR POLISHING VARNISH, PAINT, ENAMEL, AND LACQUER COATINGS; DRIERS FOR PAINTS, VARNISHES, VARNISH ENAMELS, AND SYNTHETIC ENAMELS; PASTE AND READY-MIXED PAINTS; STAINS; COATING COMPOSITIONS, IN THE NATURE OF PAINT, VARNISH, AND LACQUER, COMPRISING NATURAL AD SYNTHETIC RESINS, FOR EXAMPLE, EAST INDIA GUM, CONGO GUM, KAURI GUM, CHLORINATED RUBBER, CELLULOSIC COMPOUNDS, PHENOLIC RESINS, VINYL RESINS, UREA FORMALDEHYDE RESINS, ALKYD RESINS, GLYPTAL RESINS, METHACRYLATES, AND THE LIKE.
Claims use since 1925.

Ser. No. 469,431. CLYDE D. CHAPMAN, doing business as Belcolite Company, Spokane, Wash. Filed Apr. 18, 1944.

BELCOLITE

FOR LIQUID CLEANING, GLAZING, AND POLISHING MATERIAL FOR AUTOMOBILES, FURNITURE, HARDWOOD FLOORS, AND OTHER FINISHED SURFACES.
Claims use since March 1944.

Ser. No. 469,737. SPENCER-ADAMS PAINT COMPANY, INC., Atlanta, Ga. Filed Apr. 27, 1944.



FOR READY MIXED PAINT, VARNISH, PAINT ENAMEL, AND STAINS.
Claims use since Apr. 6, 1944.

Ser. No. 469,799. THE WILBUR & WILLIAMS COMPANY, Boston, Mass. Filed Apr. 28, 1944.

TOTALUME

FOR READY-MIXED PAINTS AND PAINT ENAMELS.
Claims use since June 1, 1931.

Serial No. 470,319. TWIN CITY SHELLAC CO. INC., Brooklyn, N. Y. Filed May 16, 1944.

SU LAQ

FOR SUBSTITUTE SHELLAC (A SYNTHETIC COMPOUND).
Claims use since November 1921.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 469,466. DYNAMATIC CORPORATION, Kenosha, Wis. Filed Apr. 19, 1944.

DYNASPEDE

FOR ELECTRIC DRIVES EACH COMPOSED OF AN ELECTRIC MOTOR, AN EDDY-CURRENT SLIP COUPLING DRIVEN THEREBY, AND AN ELECTRONIC CONTROL FOR CONTROLLING THE SLIP SPEED OF THE COUPLING.
Claims use since Apr. 11, 1944.

Ser. No. 470,164. WYANDOTTE PAINT PRODUCTS CO., Wyandotte, Mich. Filed May 11, 1944.

DUOPLASTIX

FOR RACK COATINGS AND STOP-OFF INSULATIONS FOR USE IN ELECTROPLATING.
Claims use since Apr. 13, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 469,294. EDWARD B. CAVANAUGH, Philadelphia, Pa. Filed Apr. 13, 1944.

Cavacraft

FOR TOY AIRPLANES.
Claims use since Mar. 10, 1944.

Ser. No. 470,244. VIKING TAILLESS KITE CO., Larchmont, N. Y. Filed May 13, 1944.



FOR KITES, DOLLS, AND CARDBOARD CUT-OUT TOYS.
Claims use since Aug. 10, 1943.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 455,599. MANBEE EQUIPMENT COMPANY, INC., Chicago, Ill. Filed Sept. 17, 1942.



The words "The Manbee" are disclaimed apart from the mark.
FOR COMBINATION MECHANISMS FOR ALIGNING, BALANCING, AND STRAIGHTENING OF PARTS OF AUTO CHASSIS UNDER INDICATION OF ACCESSORY GAUGES.
Claims use since Sept. 1, 1942.

Ser. No. 462,566. TOWLER BROTHERS (PATENTS) LTD., Leeds, England. Filed Aug. 6, 1943.

FINGRIP

FOR CONTROL VALVES FOR HIGH-PRESSURE OIL HYDRAULIC APPARATUS.
Claims use since January 1943.

Ser. No. 463,615. THE AUTO-SOLER COMPANY, Atlanta, Ga. Filed Sept. 24, 1943.



Applicant disclaims the word "Nailer" except in association with the word "Auto."
FOR MACHINE FOR FORMING AND INSERTING NAILS AND FASTENERS.
Claims use since Feb. 22, 1941.

Ser. No. 464,255. ROLINS COMPANY, New York, N. Y. Filed Oct. 19, 1943.

ROLCO

FOR MARINE SUPPLIES — NAMELY, RIGGERS' VISES, SAILMAKERS' PICKERS, GROMMET DIES, CAULKING IRONS, HAMMERS, AXES, HATCHETS, HACK SAWS, MARLIN SPIKES, DECK SCRAPERS, SLICER SCRAPERS, SHIP SCRAPERS, TOOL HANDLES, PACKING TOOLS—I. E., PACKING HOOKS AND PACKING SCREWS, HOLY STONE FRAMES.
Claims use since March 1927.

Ser. No. 465,421. ECLIPSE AIR BRUSH CO., Newark, N. J. Filed Dec. 1, 1943.

PNEUMIX

FOR PNEUMATIC DRIVEN STIRRERS OF A TYPE ADAPTED FOR USE IN LABORATORIES, MILLS, DAIRIES, AND INDUSTRIAL PLANTS GENERALLY, FOR MIXING OF VARIOUS AND SUNDRY PRODUCTS EMPLOYED OR PROCESSED IN SAID LABORATORIES, MILLS, DAIRIES, INDUSTRIAL PLANTS, ETC.
Claims use since Aug. 24, 1938.

Ser. No. 465,707. THE CLEVELAND PNEUMATIC TOOL COMPANY, Cleveland, Ohio. Filed Dec. 11, 1943.

CLEVELAND MOGUL

The word "Cleveland" is disclaimed apart from the mark.
FOR PERCUSSIVELY OPERATED PNEUMATIC TOOLS—NAMELY, CORE BREAKERS.
Claims use since Sept. 4, 1943.

Ser. No. 466,069. AUTOMATIC MACHINE & TOOL CO., Auburndale, Mass. Filed Dec. 27, 1943.

MULTIFLEX

FOR SHAFT COUPLINGS.
Claims use since Dec. 11, 1943.

Ser. No. 466,193. COUSE LABORATORIES, Newark, N. J. Filed Dec. 30, 1943.

COUSE

FOR TRAVELING MACHINE SHOPS FOR GENERAL REPAIR SERVICE.
Claims use since July 9, 1943.

Ser. No. 468,409. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa. Filed Mar. 18, 1944. Under 10-year proviso as to "Quaker City."

QUAKER CITY

FOR SAWS.
Claims use since Mar. 27, 1931; and since 1886 for "Quaker City."

Ser. No. 468,586. AKTIEBOLAGET PULVERKEMI, Stockholm, Sweden. Filed Mar. 24, 1944.

GLISSA

FOR SLIDING BEARINGS, BUSHINGS, SLIDING BARS, SLIDING CONTACTS, AND SIMILAR SLIDING MACHINE ELEMENTS, PARTICULARLY SUCH THAT COMPRISE PRESSED AND SINTERED METAL POWDER OR IRON POWDER.
Claims use since May 26, 1943.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 459,095. UNIVERSAL PAPER PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 13, 1943.

UNIVERSAL

FOR COMBINATION ROOM THERMOMETER AND HUMAN DRINKING WATER NEED INDICATOR.
Claims use since Mar. 3, 1943.

Ser. No. 463,430. BABSON BROS. CO., Chicago, Ill. Filed Sept. 16, 1943.

Surge Air Meter

The words "Air Meter" are disclaimed apart from the mark.
FOR VACUUM TESTING APPARATUS FOR DETERMINING FLOW CONDITIONS IN A VACUUM LINE.
Claims use since Sept. 2, 1943.

Ser. No. 465,132. THE EXACT WEIGHT SCALE COMPANY, Columbus, Ohio. Filed Nov. 19, 1943.

SELECTROL

FOR ELECTRICALLY ACTUATED COMBINED COMMODITY WEIGHING AND ASSORTING MACHINES.
Claims use since Sept. 1, 1943.

Ser. No. 470,397. VOGUE OPTICAL MFG. COMPANY, New York, N. Y. Filed May 18, 1944.

PIN-UP GIRL

FOR OPTICAL FRAMES.
Claims use since Apr. 15, 1944.

Ser. No. 470,398. VOGUE OPTICAL MFG. COMPANY, New York, N. Y. Filed May 18, 1944.

VANITY GIRL

FOR OPTICAL FRAMES.
Claims use since Apr. 15, 1944.

Ser. No. 470,904. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed June 5, 1944.

Calobar

FOR GOGGLES, SUNGLASSES, AND PARTS THEREOF.
Claims use since Feb. 11, 1929.

Ser. No. 471,029. NORMAN BEL GEDDES & CO., New York, N. Y. Filed June 8, 1944.

MICROVISION

FOR FILM VIEWERS.
Claims use since June 1, 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 457,929. COHN & ROSENBERGER, INC., New York, N. Y. Filed Jan. 15, 1943.



Applicant is the owner of Reg. No. 141,099.
FOR NECKLACES AND BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since 1932.

Ser. No. 468,389. ALBERT NALICK, Los Angeles, Calif. Filed Mar. 17, 1944.

HISTO CREST

FOR RINGS, PINS, AND EMBLEMS.
Claims use since Nov. 1, 1941.

Ser. No. 469,160. KESTENMAN BROS. MFG. CO., Providence, R. I. Filed Apr. 8, 1944.

K-B

Applicant is the owner of Reg. No. 187,873.
FOR JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES—NAMELY, BRACELETS, CLASPS AND BUCKLES MADE OF PRECIOUS OR SEMI-PRECIOUS METALS.
Claims use since Mar. 10, 1920.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 453,388. EDWARD W. POLLACK, doing business as Billow Products Company, New York, N. Y. Filed May 30, 1942.

Baby BUMPIT

FOR SANITARY CRIB LINERS.
Claims use since Apr. 4, 1941.

Ser. No. 468,924. NATIONAL MATTRESS COMPANY, Huntington, W. Va. Filed Apr. 1, 1944.

NATIONAL BEAUTY

FOR MATTRESSES.
Claims use since January 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 468,837. CRANE PACKING COMPANY, Chicago, Ill. Filed Mar. 30, 1944.

TEEPLELITE

FOR COMPOSITION DISKS OR WASHERS FOR SEALING BEARINGS, SHAFTS AND THE LIKE AGAINST LEAKAGE OF FLUIDS BETWEEN RELATIVELY ROTATING PARTS.
Claims use since January 1943.

CLASS 37

PAPER AND STATIONERY

Ser. No. 463,765. STENSO LETTERING COMPANY, Baltimore, Md. Filed Sept. 29, 1943.

STENSO

FOR STENCILS FOR LETTERING, MAKING FLASH CARDS, NOTICES, SIGNS, NOTEBOOK COVERS, BOOKLETS, CHARTS, POSTERS AND SPECIAL CONFIGURATIONS FOR USE WITH PENCIL, CRAYON, INK, ETC.
Claims use since Aug. 9, 1939.

CLASS 39

CLOTHING

Ser. No. 462,414. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed July 31, 1943.

FLIGHT

FOR HATS FOR WOMEN.
Claims use since Jan. 1, 1924.

Ser. No. 468,361. THE ADLER CO., Cincinnati, Ohio. Filed Mar. 17, 1944.

Jumps

FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, MADE EITHER OF WOOL, WOOL MIXED, COTTON, SILK OR RAYON.
Claims use since Mar. 7, 1944.

Ser. No. 468,659. CAMPANA SALES COMPANY, Batavia, Ill. Filed Mar. 25, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

Devastating

FOR WOMEN'S APPAREL—NAMELY, BLOUSES, DRESSES, GLOVES OF LEATHER OR FABRIC, HANDKERCHIEFS AND HATS.
Claims use since Mar. 6, 1944.

Ser. No. 469,092. PEREAUX CREATIONS, New York, N. Y. Filed Apr. 6, 1944.

EARMUFFS

The representation of the goods is disclaimed apart from the mark.
FOR EAR MUFFS.
Claims use since Mar. 10, 1944.

Ser. No. 469,228. GUSHNER BROTHERS, doing business as Boyd's, Philadelphia, Pa. Filed Apr. 11, 1944.



The words "The House of All Sizes" are disclaimed except as shown. The pictures are fanciful.
FOR MEN'S SUITS, COATS, TROUSERS, SLACKS, OVERCOATS, TOPCOATS, RAIN COATS, TROUSER BELTS, OUTER AND UNDER SHIRTS, UNDERWEAR, PAJAMAS, HOSIERY, HATS, SWEATERS, SPORT SHIRTS AND SPORT JACKETS.
Claims use since Jan. 14, 1943.

Ser. No. 469,533. CREATIONS, INC., Baltimore, Md. Filed Apr. 21, 1944.

CAPETERIA

FOR CAPS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Apr. 8, 1944.

Ser. No. 469,544. LEIGHTON HATS, INC., New York, N. Y. Filed Apr. 21, 1944.

TISH-U-TEX

Applicant disclaims the phrase "Tish-U" except as shown.
FOR WOMEN'S AND MISSES' HATS.
Claims use since June 1942.

Ser. No. 469,984. ISIDOR H. COHEN, New York, N. Y. Filed May 6, 1944.

MANCO

FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY.
Claims use since June 1912.

Ser. No. 470,149. A. I. MEYER CORPORATION, Boston, Mass. Filed May 11, 1944.

P Coat T

The word "Coat" is disclaimed apart from the mark.
FOR GABARDINE COATS FOR MEN, YOUNG MEN, AND BOYS.
Claims use since Feb. 1, 1944.

Ser. No. 470,316. ROSEBROOKE, INC., New York, N. Y. Filed May 16, 1944.

Rosebrooke

FOR LADIES' DRESSES, COATS, JACKETS, SUITS, BLOUSES, AND WRAPS.
Claims use since Mar. 4, 1944.

Ser. No. 470,500. HELEN HUTCHINSON, doing business as Half-Fare Frocks, St. Louis, Mo. Filed May 22, 1944.



The words "Frocks," "St. Louis," and "For the Under-12 Miss" are disclaimed apart from the mark.
FOR CHILDREN'S DRESSES, COATS, AND SUITS.
Claims use since May 1, 1944.

Ser. No. 470,529. SOL FRIEDMAN & SONS, New York, N. Y. Filed May 23, 1944.

Formula

FOR LADIES' SLIPS.
Claims use since Jan. 8, 1942.

Ser. No. 470,598. BAAR & BEARDS, INC., New York, N. Y. Filed May 25, 1944.

BASIC SUITOR by Babé

The word "Basic" is disclaimed apart from the mark.
FOR VESTEES AND DICKEYS.
Claims use since April 1943.

Ser. No. 471,095. MOCK, JUDSON VOEHRINGER COMPANY, INC., Long Island City, N. Y. Filed June 9, 1944.

MOJUD

FOR HOSIERY.
Claims use since Mar. 15, 1919.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 469,822. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Apr. 29, 1944.

PROLITE

FOR COMBS.
Claims use since Feb. 28, 1944.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 470,698. GUSTAVE BERMAN, New York, N. Y. Filed May 27, 1944.

SunnyBrella

FOR UMBRELLAS AND PARASOLS.
Claims use since May 14, 1923.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 465,045. NORTH CAROLINA FABRICS CORPORATION, Salisbury, N. C. Filed Nov. 16, 1943.

AQUADUK

FOR TEXTILE FABRICS IN THE PIECE MADE OF COTTON AND RAYON.
Claims use since Sept. 29, 1943.

Ser. No. 468,556. COHN-HALL-MARX CO., New York, N. Y. Filed Mar. 23, 1944.

Ameriseer

FOR PIECE GOODS OF COTTON, RAYON AND/OR SILK OR COMBINATIONS THEREOF.
Claims use since Oct. 1, 1943.

Ser. No. 469,193. ERWIN COTTON MILLS COMPANY, West Durham, N. C. Filed Apr. 10, 1944.

Airborne

FOR SHEETS, PILLOWCASES, SHEETING, AND PILLOWCASE TUBING, AND PIECE GOODS OF COTTON, RAYON, WOOL, AND LINEN, AND OF MIXTURES OF SAID FIBRES.
Claims use since Feb. 18, 1944.

Ser. No. 470,597. AMERICAN WOOLEN COMPANY, Boston, Mass., and New York, N. Y. Filed May 25, 1944.



FOR PIECE GOODS COMPRISED WHOLLY OR IN PART OF WOOL OR WORSTED.
Claims use since May 16, 1944.

Ser. No. 470,738. J. ROSENHOLZ, INC., New York, N. Y. Filed May 27, 1944.

Main Event

FOR PIECE GOODS OF RAYON, COTTON, AND MIXTURES OF RAYON AND COTTON.
Claims use since July 1939.

Ser. No. 470,764. HEGO FABRICS, INC., New York, N. Y. Filed May 29, 1944.

Nuanzac

FOR PIECE GOODS OF RAYON YARNS.
Claims use since April 1936.

Ser. No. 470,768. HEGO FABRICS, INC., New York, N. Y. Filed May 29, 1944.

WINGTONE

FOR PIECE GOODS OF RAYON YARNS.
Claims use since April 1940.

Ser. No. 470,814. FORSTMANN WOOLEN CO., Passaic, N. J. Filed May 31, 1944.

Marine Shades

Applicant disclaims the word "Shades" except as shown.
FOR WOOLEN PIECE GOODS.
Claims use since May 10, 1944.

Ser. No. 470,815. FORSTMANN WOOLEN CO., Passaic, N. J. Filed May 31, 1944.

Marine Tones

Applicant disclaims the word "Tones" except as shown.
FOR WOOLEN PIECE GOODS.
Claims use since May 10, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 465,401. PLASTODENT, INC., New York, N. Y. Filed Nov. 30, 1943.

PLASTODENT

FOR DENTURE MATERIAL—NAMELY, METHYL METHACRYLATE RESIN PROCESSED FOR DENTURES, JACKETS, BRIDGES, INLAYS, AND POLYVINYL ALCOHOL RESIN PROCESSED FOR INVESTMENT SEPARATORS.
Claims use since Aug. 13, 1943.

Ser. No. 469,568. THE KENDALL COMPANY, Walpole, Mass. Filed Apr. 22, 1944.

Curity

FOR SURGICAL ADHESIVE TAPE, PLASTER-OF-PARIS BANDAGES, FILLED GAUZE PADS, GAUZE PADS, ADHESIVE COMPRESSES, ELASTIC BANDAGES, FIRST AID KITS, MEDICATED GAUZE, SURGICAL MASKS, COTTON APPLICATORS, LAMB'S WOOL FOR SURGICAL PURPOSES, CRINOLINE FOR ORTHOPEDIC PURPOSES, AND SUTURES.
Claims use since about Nov. 1, 1918, in the case of surgical adhesive tape; since about June 1, 1941, in the case of plaster-of-Paris bandages; since about Oct. 1, 1942, in the case of filled gauze pads; since about Oct. 1, 1942, in the case of gauze pads; since about June 1, 1943, in the case of adhesive compresses; since about Oct. 1, 1940, in the case of elastic bandages; since about Dec. 1, 1941, in the case of first aid kits; since about May 1, 1942, in the case of medicated gauze; since about Nov. 1, 1938, in the case of surgical masks; since about Oct. 1, 1940, in the case of cotton applicators; since about May 1, 1942, in the case of lamb's wool for surgical purposes; since about Aug. 1, 1920, in the case of crinoline for orthopedic purposes; and since about Oct. 1, 1932, in the case of sutures.

Ser. No. 469,961. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed May 5, 1944.

3-M

FOR SURGICAL TAPE.
Claims use since April 1930.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 464,833. STEIN, HALL MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 8, 1943.

HALLMARK

FOR SOYA FLOUR.
Claims use since Dec. 21, 1937.

Ser. No. 465,723. WELCH'S CANDY, LIMITED, Los Angeles, Calif. Filed Dec. 11, 1943.



FOR CANDIES.
Claims use since Sept. 6, 1932.

Ser. No. 466,685. S. ALBERTSON COMPANY, INC., Boston, Mass. Filed Jan. 19, 1944.

EATUM

FOR FRESH DECIDUOUS FRUITS—NAMELY, APPLES AND PEARS.
Claims use since Oct. 2, 1943.

Ser. No. 467,394. H. D. CONNER, doing business as H. D. Conner Produce Co., Phoenix, Ariz. Filed Feb. 14, 1944.

Sellwell



FOR FRESH VEGETABLES AND MELONS.
Claims use since December 1943.

Ser. No. 467,473. STANDARD CANDIES, INC., Boston, Mass. Filed Feb. 16, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

SHO-TIME

FOR POP CORN, POPPED AND SEASONED AND UNSEASONED.
Claims use since Jan. 5, 1944.

Ser. No. 468,686. ARON STREIT, INC., New York, N. Y. Filed Mar. 25, 1944.

SALTY MOON

The word "Salty" is disclaimed apart from the mark.
FOR MATZOS.
Claims use since Jan. 1, 1936.

Ser. No. 470,014. A. D. ATTERBURY, doing business as A. D. Atterbury Company, Yuba, Calif. Filed May 8, 1944.



No claim is made to the expression "Froz-N" apart from the mark.
FOR FROZEN FRESH DECIDUOUS FRUITS AND VEGETABLES.
Claims use since June 1, 1943.

Ser. No. 470,585. STANDARD MARGARINE CO., INC., Indianapolis, Ind. Filed May 24, 1944.

JOD-O

FOR OLEOMARGARINE, SANDWICH SPREAD, PEANUT BUTTER, "HAMBURGER SPREAD" (A FOOD AND FOOD-FLAVORING MIXTURE CONTAINING PICKLED CUCUMBERS, EDIBLE STARCH AND ASSOCIATED FLAVORING INGREDIENTS) AND SALAD DRESSING.
Claims use since Mar. 22, 1940, on peanut butter; and since May 20, 1942, on remaining goods.

Ser. No. 470,922. GUY MOORE, doing business as Guy Moore and Associates, Harlingen, Tex. Filed June 5, 1944.

GRAND SLAM

FOR FRESH VEGETABLES.
Claims use since Nov. 10, 1943.

Ser. No. 470,924. GUY MOORE, doing business as Guy Moore and Associates, Harlingen, Tex. Filed June 5, 1944.

SCOTTY

FOR FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since Nov. 10, 1943.

Ser. No. 470,941. THE EUCLID CANDY CO. OF CALIFORNIA, INC., San Francisco, Calif. Filed June 6, 1944.

LOVE NEST

The applicant is the owner of registration 156,241, dated June 20, 1922, and No. 267,438, dated Feb. 18, 1930.
FOR CANDY.
Claims use since Jan. 2, 1919.

CLASS 47

WINES

Ser. No. 469,443. QUALITY FRUIT WINES CORP., Yonkers, N. Y. Filed Apr. 18, 1944.

PEGONA

FOR WINES.
Claims use since June 28, 1943.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 469,996. LONDON & COMPANY, INC., Elizabeth, N. J. Filed May 6, 1944.

ZEMLIAK

FOR VODKA.
Claims use since May 1, 1944.

Ser. No. 470,234. ROYAL LIQUORS COMPANY, North Bergen, N. J. Filed May 13, 1944.

TURRET

FOR WHISKEY.
Claims use since Jan. 5, 1944.

Ser. No. 470,353. ROYAL LIQUORS COMPANY, North Bergen, N. J. Filed May 17, 1944.

Balalaika

FOR VODKA.
Claims use since Apr. 15, 1944.

Ser. No. 470,850. DISTILLED LIQUORS IMPORT CO., INC., New York, N. Y. Filed June 2, 1944.

EL LORO

FOR BRANDY.
Claims use since May 2, 1944.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 464,238. ATLAS POWDER COMPANY, Wilmington, Del. Filed Oct. 19, 1943.

KERAZON

FOR COATED FABRICS IN THE NATURE OF ARTIFICIAL LEATHER FOR USE IN UPHOLSTERING, DECORATING, IN THE MANUFACTURE OF SHOES, BOOKBINDING, POCKETBOOKS, AND LUGGAGE, AND THE LIKE.
Claims use since Aug. 30, 1943.

Ser. No. 468,966. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Apr. 3, 1944.

CIRCLEPOUR

FOR CLOSURES FOR BOTTLES, JARS, JUGS, AND OTHER CONTAINERS, SAID CLOSURES COMPRISING MOLDED BODIES OF ORGANIC MATERIAL ATTACHED TO THE CONTAINERS AND EACH INCLUDING A VALVE.
Claims use since July 8, 1941.

Ser. No. 470,567. DURKEE MARINE PRODUCTS CORPORATION, Grasmere, Staten Island, N. Y. Filed May 24, 1944. Under 10-year proviso as to "Durkee."

D ★ M

DURKEE ★ MARINE

Applicant disclaims the word "Marine" separately from the mark.

FOR FLAGPOLE EAGLES, MAST BALLS, AND NAME PLATES, MEMORIALS IN THE FORM OF TABLETS AND PLAQUES MOLDED FROM METAL, NON-ELECTRICALLY OPERATED AND NON-MECHANICALLY OPERATED SIGNS MOLDED FROM METAL AND STATUARY MOLDED FROM METAL.
Claims use since Oct. 22, 1943; and since 1870 for the name "Durkee."

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 8, 1944

408,334. METAL STAMPINGS AND HARDWARE—NAMELY, FURNITURE LEG ADJUSTERS, BED RAIL AND BEDSTEAD FASTENERS, BOX CORNER FASTENERS, ETC. G. G. GREENE MANUFACTURING CORPORATION, Warren, Pa.
Filed May 12, 1941. Serial No. 443,503. PUBLISHED MAY 30, 1944. Class 13.

408,335. MAGAZINE. D. MINARD SHAW, New York, N. Y.
Filed November 13, 1942. Serial No. 456,811. PUBLISHED MAY 2, 1944. Class 38.

408,336. ADVERTISING POSTERS SOLD AS SUCH. HIT PARADE, INC., New York, N. Y.
Filed March 2, 1943. Serial No. 458,864. PUBLISHED MAY 9, 1944. Class 38.

408,337. ELECTRIC REVOLVING TABLE FOR MERCHANDISE DISPLAY PURPOSES. GENERAL DIE STAMPING TOOL COMPANY, New York, N. Y.
Filed April 19, 1943. Serial No. 459,993. PUBLISHED MAY 30, 1944. Class 21.

408,338. PAPER STOCK. NORTH AMERICAN PULP & PAPER CORP., New York, N. Y.
Filed May 15, 1943. Serial No. 460,655. PUBLISHED MAY 30, 1944. Class 37.

408,339. PORTABLE ELECTRIC FLOODLIGHT AND SEARCHLIGHT UNITS EMBRACING THEIR OWN ENGINE DRIVEN ELECTRIC GENERATORS. LISTER-BLACKSTONE, INC., West Allis, Wis.
Filed June 19, 1943. Serial No. 461,519. PUBLISHED MAY 30, 1944. Class 21.

408,340. VETERINARY BIOLOGICS, SERUMS, PHARMACEUTICALS AND SUPPLIES, DESCRIBED AS FOLLOWS: ALKALINIZERS, ALTERATIVES, ANTHELMINTICS, ETC. NORDEN LABORATORIES, Lincoln, Nebr.
Filed July 12, 1943. Serial No. 462,022. PUBLISHED MAY 23, 1944. Class 6.

408,341. PREPARATION FOR INTERNAL USE EFFECTIVE AGAINST AILMENTS OF THE ALIMENTARY TRACT. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed July 16, 1943. Serial No. 462,126. PUBLISHED SEPTEMBER 28, 1943. Class 6.

408,342. ROOF PAINTS. UNITED GILSONITE LABORATORIES, Scranton, Pa.
Filed August 13, 1943. Serial No. 462,727. PUBLISHED OCTOBER 5, 1943. Class 16.

408,343. TUBULAR HOSE CLIPS OF METAL. EMILY BOYD ROBINSON, doing business as L. Robinson & Co., Gillingham, England.
Filed August 17, 1943. Serial No. 462,802. PUBLISHED NOVEMBER 2, 1943. Class 13.

408,344. SECTION OR FEATURE IN A PERIODICAL PUBLICATION. ESQUIRE, INC., Chicago, Ill.
Filed August 25, 1943. Serial No. 462,990. PUBLISHED APRIL 25, 1944. Class 38.

408,345. APPARATUS FOR VISUALLY OBSERVING THE FLOW OF A GAS FROM A FEEDING DEVICE OR THE EFFECT THEREOF. OMEGA MACHINE COMPANY, Kansas City, Mo.
Filed August 26, 1943. Serial No. 463,027. PUBLISHED MAY 30, 1944. Class 26.

408,346. PEARL NECKLACES, PEARLS AND JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. CORO, INC., New York, N. Y.
Filed September 2, 1943. Serial No. 463,166. PUBLISHED MAY 30, 1944. Class 28.

408,347. CETYLTRIMETHYLAMMONIUM BROMIDE USED AS A DETERGENT, ANTISEPTIC, BACTERICIDE, ANTIMALARIAL, ANTHELMINTIC, TRYPANOCIDE, ANAESTHETIC, ANTIEPILEPTIC, GENERAL ANESTHETIC, CLEANSING AGENT FOR WOUNDS, ANALGESIC, PARASITICIDE, AND FOR DISINFECTANT PURPOSES. IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED, Slough, England.
Filed Sptember 3, 1943. Serial No. 463,202. PUBLISHED MAY 23, 1944. Class 6.

408,348. FIREPROOF ASBESTOS-CEMENT COMPOSITION IN WHICH THE CEMENT CONSISTS SUBSTANTIALLY OF PORTLAND CEMENT, AND EXCLUDING GYPSUM PLASTERS. RICHARD H. GRANT, San Francisco, Calif., assignor to Permanente Cement Company, Oakland, Calif., a corporation of California.
Filed September 9, 1943. Serial No. 463,297. PUBLISHED MARCH 21, 1944. Class 12.

408,349. GLUE. I. F. LAUCKS, INC., Seattle, Wash.
Filed September 11, 1943. Serial No. 463,353. PUBLISHED MAY 30, 1944. Class 5.

408,350. PURSES, BILLFOLDS, HANDBAGS, POCKETBOOKS, AND MEN'S FITTED TOILET CASES. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo.
Filed September 18, 1943. Serial No. 463,478. PUBLISHED MAY 23, 1944. Class 3.

408,351. CARD FOR USE IN GAMES INVOLVING NUMBER SEQUENCES. MEYER-HELTMAN, Norwood, Ohio.
Filed September 27, 1943. Serial No. 463,700. PUBLISHED MAY 30, 1944. Class 22.

408,352. LINERS FORMED AND SHAPED FOR CONTAINERS. SIMPLEX PAPER CORPORATION, Adrian, Mich.
Filed October 11, 1943. Serial No. 464,071. PUBLISHED MAY 30, 1944. Class 2.

408,353. MAGAZINES PUBLISHED PERIODICALLY. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y.
Filed October 13, 1943. Serial No. 464,113. PUBLISHED MAY 9, 1944. Class 38.

408,354. COSTUME JEWELRY, NOT INCLUDING WATCHES. NAT LEVY, New York, N. Y.
Filed October 22, 1943. Serial No. 464,345. PUBLISHED MAY 30, 1944. Class 28.

408,355. LABORATORY PULVERIZING MILLS; LABORATORY MASHING APPARATUS FOR MASHING MALT AND SIMILAR MATERIALS; WATER STILLS FOR WATER PURIFICATION. WEBER BROS. METAL WORKS, Chicago, Ill.
Filed November 8, 1943. Serial No. 464,836. PUBLISHED MAY 30, 1944. Class 26.

408,356. FOOD SOLD IN TABLET AND GRANULAR FORM CONSISTING OF DEHYDRATED VEGETABLE PRODUCTS—NAMELY, ALFALFA, PARSLEY, AND KELP, AND CONTAINING VITAMINS AND MINERALS. ALFRED DUKE DURHAM, doing business as Keayp Foods, Pittsburgh, Pa.
Filed November 8, 1943. Serial No. 464,845. PUBLISHED MAY 30, 1944. Class 46.

408,357. SUBSURFACE PRESSURE MEASURING AND RECORDING EQUIPMENT AND APPARATUS, LABORATORY TESTING EQUIPMENT, ETC. ENGINEERING LABORATORIES, INC., Tulsa, Okla.
Filed November 9, 1943. Serial No. 464,852. PUBLISHED MAY 30, 1944. Class 26.

408,358. MERCHANDISE ENVELOPES. TRAVER CORPORATION, Chicago, Ill.
Filed November 15, 1943. Serial No. 465,014. PUBLISHED MAY 30, 1944. Class 2.

408,359. PLASTIC CEMENT FOR PATCHING, FILLING, AND REPAIRING WOOD, TILE, PLASTER, AND THE LIKE. I. B. WINTER & CO., INC., Chicago, Ill.
Filed November 17, 1943. Serial No. 465,096. PUBLISHED FEBRUARY 29, 1944. Class 12.

408,360. MATCHES. AMERICA'S OWN MATCH COMPANY, New York, N. Y.
Filed December 1, 1943. Serial No. 465,407. PUBLISHED MAY 30, 1944. Class 9.

408,361. MATCHES. AMERICA'S OWN MATCH COMPANY, New York, N. Y.
Filed December 1, 1943. Serial No. 465,408. PUBLISHED MAY 30, 1944. Class 9.

408,362. SECTION OF A PERIODICAL PUBLICATION. MODERN PLASTICS INC., New York, N. Y.
Filed December 2, 1943. Serial No. 465,463. PUBLISHED APRIL 18, 1944. Class 38.

408,363. PICTURES. DAVID HOFFMAN, New York, N. Y.
Filed December 16, 1943. Serial No. 465,808. PUBLISHED APRIL 18, 1944. Class 38.

408,364. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 20, 1943. Serial No. 465,909. PUBLISHED MAY 2, 1944. Class 38.

408,365. SPECIALLY PREPARED BITUMINOUS COMPOUND FOR USE AS A WATERPROOF PRESERVATIVE, RUST PROOFING, OIL AND ACID RESISTING COATING FOR CONCRETE AND STEEL. THE SULLIVAN COMPANY, Memphis, Tenn.
Filed December 22, 1943. Serial No. 465,995. PUBLISHED MAY 30, 1944. Class 12.

408,366. ARTICLES MADE OF PRECIOUS OR SEMI-PRECIOUS METALS—NAMELY, BADGES, PINS, CHARMS, SPOONS, BUTTONS, ORNAMENTAL CUPS, PLAQUES. INTERNATIONAL SOCIETY OF CHRISTIAN ENDEAVOR, Boston, Mass.
Filed January 4, 1944. Serial No. 466,304. PUBLISHED MAY 30, 1944. Class 28.

408,367. GASKETS CONSTRUCTED OF CONVOLUTELY SPIRALLY WOUND METAL RIBBON HAVING INTERPOSED THEREBETWEEN ASBESTOS OR OTHER FIBROUS STRIPS, AND EXCLUDING ANY RUBBER COMPONENT THEREIN. UNITED STATES GASKET COMPANY, Camden, N. J.
Filed January 4, 1944. Serial No. 466,316. PUBLISHED FEBRUARY 22, 1944. Class 35.

408,368. PUBLICATIONS ISSUED FROM TIME TO TIME BY THE AMERICAN GOLF FOUNDATION OF EDUCATIONAL AND INSTRUCTIVE INFORMATION FOR GOLF EXECUTIVES RELATIVE TO GOLF CLUB PROMOTION, MANAGEMENT, AND OPERATION. THE AMERICAN GOLF FOUNDATION, Chicago, Ill.
Filed January 10, 1944. Serial No. 466,419. PUBLISHED APRIL 18, 1944. Class 38.

408,369. CONCENTRATED VITAMINS USED AS A FOOD SUPPLEMENT AND USED AS A THERAPEUTIC VITAMIN PREPARATION PER SE. THE VIAVI COMPANY, San Francisco, Calif.
Filed January 18, 1944. Serial No. 466,683. PUBLISHED MAY 23, 1944. Class 6.

408,370. PHARMACEUTICAL PREPARATIONS FOR USE AGAINST AILMENTS CAUSED BY GASTRO-INTESTINAL MALFUNCTION, ANTACID CARMINATIVE TO RELIEVE DISTENSION CAUSED BY ACCUMULATION OF GAS. CHARLES REINSCH, doing business as Cerex Products, New York, N. Y.
Filed January 19, 1944. Serial No. 466,711. PUBLISHED MAY 23, 1944. Class 6.

408,371. RADIO SCRIPTS PUBLISHED IN A CONTINUOUS SERIES AND SOLD AS A PUBLICATION IN TRADE. PRISCILLA H. DUNN, Columbia, S. C.
Filed January 20, 1944. Serial No. 466,728. PUBLISHED APRIL 18, 1944. Class 38.

408,372. PICTURE FORMING CUT-OUT SETS OF BIBLICAL SCENES ADAPTED FOR USE AS A VISUAL TEACHING PLAN. DAVID C. COOK PUBLISHING COMPANY, Elgin, Ill.
Filed January 22, 1944. Serial No. 466,784. PUBLISHED APRIL 18, 1944. Class 38.

408,373. WALLABY FUR SKINS DYED TO LOOK LIKE BEAVER. POLAR FUR DYEING CO. INC., New York, N. Y.
Filed January 24, 1944. Serial No. 466,847. PUBLISHED MAY 30, 1944. Class 1.

408,374. WEEKLY MAGAZINE. TIME, INCORPORATED, New York, N. Y.
Filed February 3, 1944. Serial No. 467,140. PUBLISHED APRIL 18, 1944. Class 38.

408,375. LAXATIVE PREPARATION. JOSEPH GUARASCIO, San Jose, Calif.
Filed February 4, 1944. Serial No. 467,153. PUBLISHED MAY 23, 1944. Class 6.

408,376. QUARTERLY PUBLICATION CONTAINING HISTORICAL CARTOONS. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed February 9, 1944. Serial No. 467,300. PUBLISHED APRIL 18, 1944. Class 38.

408,377. ELECTRIC-CIRCUIT CONTROLLING DEVICES AND PARTS THEREOF AND ACCESSORIES THEREFOR—NAMELY, MOTOR CONTROL SWITCHES FOR STARTING AND STOPPING, REVERSING AND ALSO CONTROLLING THE RUNNING SPEED OF ELECTRIC MOTORS. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn.
Filed February 10, 1944. Serial No. 467,310. PUBLISHED MAY 30, 1944. Class 21.

408,378. NEWSPAPER COLUMN, THE SUBJECT MATTER OF WHICH COMPRISES THE RADIO PROGRAMS OF A PARTICULAR STATION TOGETHER WITH THE TIME OF THEIR BROADCAST. THE CROSLEY CORPORATION, Cincinnati, Ohio.
Filed February 10, 1944. Serial No. 467,314. PUBLISHED APRIL 18, 1944. Class 38.

408,379. DAILY NEWSPAPER. DOW, JONES & COMPANY, New York, N. Y.
Filed February 11, 1944. Serial No. 467,335. PUBLISHED MAY 16, 1944. Class 38.

408,380. SECTION OF A PERIODICAL PUBLICATION. MODERN PLASTICS, INC., New York, N. Y.
Filed February 11, 1944. Serial No. 467,350. PUBLISHED APRIL 18, 1944. Class 38.

408,381. PERIODICAL. GRISWOLD NEWS SERVICE, New York, N. Y.
Filed February 12, 1944. Serial No. 467,368. PUBLISHED APRIL 18, 1944. Class 38.

408,382. NEWSPAPER COLUMN. TRIBUNE COMPANY, Chicago, Ill.
Filed February 14, 1944. Serial No. 467,414. PUBLISHED APRIL 18, 1944. Class 38.

408,383. PUBLISHED COMIC PICTURES. WILLIAM F. HOLLAND, doing business as W. F. Holland Agency, Cincinnati, Ohio.
Filed February 19, 1944. Serial No. 467,567. PUBLISHED MAY 9, 1944. Class 38.

408,384. SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed February 23, 1944. Serial No. 467,687. PUBLISHED APRIL 18, 1944. Class 38.

408,385. NEWSPAPER SECTION OR DEPARTMENT. THE HEARST CORPORATION, New York, N. Y.
Filed February 25, 1944. Serial No. 467,758. PUBLISHED MAY 2, 1944. Class 38.

408,386. PERIODICAL PUBLICATIONS ISSUED FROM TIME TO TIME SHOWING THE PRICES OF USED CARS OF THE VARIOUS MAKES, ISSUED APPROXIMATELY QUARTERLY. NATIONAL USED CAR MARKET REPORT, INC., Chicago, Ill.
Filed February 28, 1944. Serial No. 467,813. PUBLISHED MAY 23, 1944. Class 38.

408,387. MONTHLY MAGAZINE. THE CHESAPEAKE AND OHIO RAILWAY COMPANY, Richmond, Va.
Filed February 29, 1944. Serial No. 467,839. PUBLISHED MAY 2, 1944. Class 38.

408,388. BUSINESS AND INDUSTRIAL BUYERS GUIDE CLASSIFIED TELEPHONE DIRECTORY FOR INTERSTATE COMMERCE AND INDUSTRY. INDEPENDENT DIRECTORY CORP., Chicago, Ill.
Filed February 29, 1944. Serial No. 467,848. PUBLISHED MAY 23, 1944. Class 38.

408,389. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. MEDICATED PRODUCTS COMPANY, Chicago, Ill.
Filed February 29, 1944. Serial No. 467,851. PUBLISHED MAY 30, 1944. Class 44.

408,390. SPECIALLY MODIFIED STARCHES ADAPTED TO BE TREATED WITH ENZYMES AND FOR SPECIALLY MODIFIED STARCHES CONTAINING ENZYMES, SAID STARCHES BEING PARTICUULARLY USEFUL FOR COATING OR TUB SIZING IN PAPER MAKING. STEIN, HALL MANUFACTURING COMPANY, Chicago, Ill.
Filed March 1, 1944. Serial No. 467,901. PUBLISHED MAY 23, 1944. Class 6.

408,391. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed March 2, 1944. Serial No. 467,915. PUBLISHED MAY 23, 1944. Class 6.

408,392. SERIES OF CARTOONS. TRIBUNE COMPANY, Chicago, Ill.
Filed March 2, 1944. Serial No. 467,932. PUBLISHED MAY 9, 1944. Class 38.

408,393. CIRCULARS, BOOKLETS, AND PRINTED ADVERTISING MATERIAL SOLD AS SUCH TO THE ELECTRICAL INDUSTRY. ASHTON B. COLLINS, doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y.
Filed March 4, 1944. Serial No. 467,961. PUBLISHED MAY 16, 1944. Class 38.

408,394. PERIODICAL PUBLICATION CONTAINING EDUCATIONAL, CULTURAL AND INFORMATIVE MATERIAL OF NATIONAL, FOREIGN AND INTERNATIONAL INTEREST. THE CROWELL-COLLIER PUBLISHING COMPANY, New York, N. Y.
Filed March 4, 1944. Serial No. 467,965. PUBLISHED MAY 9, 1944. Class 38.

408,395. WRITING PAPER AND ENVELOPES. WHITEHALL, INCORPORATED, New Haven, Conn.
Filed March 7, 1944. Serial No. 468,057. PUBLISHED MAY 30, 1944. Class 37.

408,396. CALENDARS. GEORGE H. BLOOM, doing business as The Eldonar Company, New York, N. Y.
Filed March 9, 1944. Serial No. 468,107. PUBLISHED MAY 9, 1944. Class 38.

408,397. A RADIO SCRIPT ISSUED PERIODICALLY. ARTHUR MEYERHOFF & COMPANY, Chicago, Ill.
Filed March 9, 1944. Serial No. 468,119. PUBLISHED MAY 16, 1944. Class 38.

408,398. SECTION IN A MONTHLY MAGAZINE. CALLING ALL GIRLS, INC., New York, N. Y.
Filed March 10, 1944. Serial No. 468,136. PUBLISHED MAY 9, 1944. Class 38.

408,399. PERFUMES, TOILET WATER, BATH OIL, DUSTING POWDER, TALCUM POWDER, AND SACHET. HAVILAND LABORATORIES, INC., New York, N. Y.
Filed March 10, 1944. Serial No. 468,142. PUBLISHED MAY 23, 1944. Class 6.

408,400. MEDICINAL PREPARATIONS—NAMELY, ANTACID TABLETS. PHYSICIANS' DRUG & SUPPLY CO., Philadelphia, Pa.
Filed March 10, 1944. Serial No. 468,156. PUBLISHED MAY 23, 1944. Class 6.

408,401. MAGAZINE. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed March 10, 1944. Serial No. 468,169. PUBLISHED MAY 9, 1944. Class 38.

408,402. CARTOON STRIPS AND ILLUSTRATED FICTIONAL STORIES IN A PERIODICAL PUBLISHED AT INTERVALS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed March 10, 1944. Serial No. 468,173. PUBLISHED MAY 16, 1944. Class 38.

408,403. CARTOON STRIPS AND ILLUSTRATED FICTIONAL STORIES IN A PERIODICAL PUBLISHED AT INTERVALS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed March 10, 1944. Serial No. 468,174. PUBLISHED MAY 16, 1944. Class 38.

408,404. CARTOON STRIPS AND ILLUSTRATED FICTIONAL STORIES IN A PERIODICAL PUBLISHED AT INTERVALS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed March 10, 1944. Serial No. 468,176. PUBLISHED MAY 16, 1944. Class 38.

408,405. AMINO ACID PREPARATIONS FOR USE IN THE TREATMENT OF NUTRITIONAL DISORDERS. WILLIAM R. WARNER & CO. INC., Wilmington, Del., and New York, N. Y.
Filed March 10, 1944. Serial No. 468,184. PUBLISHED MAY 23, 1944. Class 6.

408,406. COMPACTS AND VANITY CASES SOLD IN TRADE EMPTY, BILLFOLDS, WALLETS, PURSES, POCKETBOOKS, WRITING CASES, BRIEFCASES, PLAYING CARD CASES, KEY CASES, ROSARY CASES, AND PHOTOGRAPH CASES, ALL OF SAID GOODS BEING MADE OF LEATHER. SIEGBERT WETTERHAHN, doing business as Esway Manufacturing and Trading Co., New York, N. Y.
Filed March 10, 1944. Serial No. 468,185. PUBLISHED MAY 30, 1944. Class 3.

408,407. COAL. WEST KENTUCKY COAL COMPANY, Rockleigh, N. J., Earlington, Memphis, and Nashville, Tenn., Louisville, Sturgis, and Paducah, Ky., Chicago, Ill., St. Louis, Mo., and Evansville, Ind.
Filed March 11, 1944. Serial No. 468,214. PUBLISHED MAY 30, 1944. Class 1.

408,408. CHEMICALLY TREATED COLLOIDAL CLAY, ADAPTED FOR USE AS A DECOLORIZING, BLEACHING, FILTERING, PURIFYING, ABSORBING, AND CATALYTIC MEDIUM. FILTROL CORPORATION, Los Angeles, Calif.
Filed March 13, 1944. Serial No. 468,235. PUBLISHED MAY 23, 1944. Class 6.

408,409. WAX USED FOR POLISHING FLOORS, FURNITURE AND THE LIKE. INDUSTRIAL RAW MATERIALS CORPORATION, New York, N. Y.
Filed March 14, 1944. Serial No. 468,290. PUBLISHED MAY 30, 1944. Class 16.

408,410. PETROLEUM WAX USED FOR CANDLES AND MINERAL WAX. INDUSTRIAL RAW MATERIALS CORPORATION, New York, N. Y.
Filed March 14, 1944. Serial No. 468,294. PUBLISHED MAY 30, 1944. Class 15.

408,411. WAX USED FOR POLISHING FLOORS, FURNITURE AND THE LIKE. INDUSTRIAL RAW MATERIALS CORPORATION, New York, N. Y.
Filed March 14, 1944. Serial No. 468,295. PUBLISHED MAY 30, 1944. Class 16.

408,412. GENUINE PEARLS, CULTURED PEARLS, AND SIMULATED PEARLS. THEODORE WALTER, doing business as Theodore Walter Co., New York, N. Y.
Filed March 14, 1944. Serial No. 468,313. PUBLISHED MAY 30, 1944. Class 28.

408,413. ROOT BEER AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. OLD FASHION MA'S ROOT BEER BOTTLING COMPANY, Wilkes-Barre, Pa.
Filed March 16, 1944. Serial No. 468,348. PUBLISHED MAY 23, 1944. Class 45.

408,414. ANTIBACTERIAL SURGICAL DRESSINGS. E. R. SQUIBB & SONS, New York, N. Y.
Filed March 16, 1944. Serial No. 468,356. PUBLISHED MAY 23, 1944. Class 6.

408,415. POWERFUL GERMICIDE, ANTISEPTIC AND DISINFECTANT FOR LOCAL APPLICATION. BEEBE LABORATORIES, INC., St. Paul, Minn.
Filed March 17, 1944. Serial No. 468,367. PUBLISHED MAY 23, 1944. Class 6.

408,416. PRODUCT TO INJECT HYPODERMICALLY INTO CATTLE FOR RETAINED AFTERBIRTH AND UTERINE DISCHARGE (METRITIS). BEEBE LABORATORIES, INC., St. Paul, Minn.
Filed March 17, 1944. Serial No. 468,369. PUBLISHED MAY 23, 1944. Class 6.

408,417. CIGARS. JOHN BEIRO, New York, N. Y.
Filed March 17, 1944. Serial No. 468,370. PUBLISHED MAY 30, 1944. Class 17.

408,418. YARN. SPINNERIN YARN CO. INC., New York, N. Y.
Filed March 21, 1944. Serial No. 468,495. PUBLISHED MAY 23, 1944. Class 43.

408,419. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed March 22, 1944. Serial No. 468,505. PUBLISHED MAY 23, 1944. Class 38.

408,420. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed March 22, 1944. Serial No. 468,507. PUBLISHED MAY 23, 1944. Class 38.

408,421. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed March 22, 1944. Serial No. 468,508. PUBLISHED MAY 23, 1944. Class 38.

408,422. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed March 22, 1944. Serial No. 468,509. PUBLISHED MAY 23, 1944. Class 38.

408,423. PAINT ENAMEL. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y.
Filed March 23, 1944. Serial No. 468,567. PUBLISHED MAY 23, 1944. Class 16.

408,424. NON-SLIP FLOOR POLISH. WALTER G. LEGGE COMPANY, INC., New York, N. Y.
Filed March 23, 1944. Serial No. 468,573. PUBLISHED MAY 23, 1944. Class 16.

408,425. NON-SLIP POLISH FOR ASPHALT TILE FLOORING. WALTER G. LEGGE COMPANY, INC., New York, N. Y.
Filed March 23, 1944. Serial No. 468,574. PUBLISHED MAY 23, 1944. Class 16.

408,426. COFFEE. THE WM. EDWARDS COMPANY, Cleveland, Ohio.
Filed March 29, 1944. Serial No. 468,783. PUBLISHED MAY 30, 1944. Class 46.

408,427. IMITATION CARDAMOM. THE GRIFFITH LABORATORIES, INC., Chicago, Ill.
Filed March 29, 1944. Serial No. 468,792. PUBLISHED MAY 30, 1944. Class 46.

408,428. IMITATION NUTMEG. THE GRIFFITH LABORATORIES, INC., Chicago, Ill.
Filed March 29, 1944. Serial No. 468,794. PUBLISHED MAY 30, 1944. Class 46.

408,429. PLIED YARNS. HAMPTON COMPANY, Easthampton, Mass.
Filed March 30, 1944. Serial No. 468,841. PUBLISHED MAY 23, 1944. Class 43.

408,430. MILLED RICE. KAPLAN RICE MILL, INC., Kaplan, La.
Filed March 31, 1944. Serial No. 468,888. PUBLISHED MAY 30, 1944. Class 46.

408,431. CANNED TUNA FISH. ELIAS LASRY, doing business as Elco Food Products Company, New York, N. Y.
Filed March 31, 1944. Serial No. 468,891. PUBLISHED MAY 30, 1944. Class 46.

408,432. NEWS AND ADVISORY BULLETIN OF GENERAL INTEREST, PUBLISHED PERIODICALLY. PACIFIC NATIONAL ADVERTISING AGENCY, Seattle, Wash.
Filed April 3, 1944. Serial No. 468,967. PUBLISHED MAY 23, 1944. Class 38.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

408,433. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS INC., New York, N. Y. Filed Mar. 2, 1942. Serial No. 451,343.

BEAUTY & HEALTH

FOR A PERIODICAL PUBLICATION.
Claims use since Dec. 10, 1940.

408,434. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWARD E. WULF, doing business as Crystal Glo-Roc Co., Danville, Kans. Filed Aug. 1, 1942. Serial No. 454,679.



FOR ORNAMENTAL ELECTRIC LAMPS MADE FROM NATURALLY FORMED CRYSTALS.
Claims use since Mar. 28, 1942.

408,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CEROPHYL LABORATORIES, INC., Kansas City, Mo. Filed Dec. 26, 1942. Serial No. 457,600.

GRASS TIPS

FOR VEGETABLE FOOD MADE FROM THE DRIED LEAFY PORTION OF GRASSES.
Claims use since Dec. 9, 1942.

408,436. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE HOME CANNERS CAP CORPORATION, Bridgeport, Conn. Filed Feb. 2, 1943. Serial No. 458,305.

Home-Canners

FOR CAPS FOR GLASS JARS.
Claims use since Nov. 1, 1940.

408,437. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DONALD TAFT, doing business as Don's Donut Shop, West Springfield Junction, Oreg. Filed Feb. 9, 1943. Serial No. 458,433.

DON'S Pretzel DONUT



FOR DOUGHNUTS.
Claims use since Feb. 12, 1940.

408,438. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE DENTAL PRODUCTS CORPORATION, Manheim, Pa. Filed Feb. 22, 1943. Serial No. 458,681.

Denturfit

FOR COMPOUND FOR MAKING CUSHION DENTURE LINERS.
Claims use since Feb. 10, 1943.

408,439. (CLASS 37. PAPER AND STATIONERY.) THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 11, 1943. Serial No. 460,544.

Redi-Pak

FOR WALLPAPER.
Claims use since Apr. 20, 1943.

408,440. (CLASS 38. PRINTS AND PUBLICATIONS.) LOUIS H. SILBERKLEIT, New York, N. Y. Filed June 10, 1943. Serial No. 461,288.

AIRCRAFT AGE

FOR A BI-MONTHLY PUBLICATION RELATING TO AVIATION, OF A PICTORIAL AND SEMI-TECHNICAL NATURE.
Claims use since May 1, 1943.

408,441. (CLASS 38. PRINTS AND PUBLICATIONS.) EDWARD CURHAN, Gloucester, Mass. Filed Dec. 28, 1943. Serial No. 466,118.

Lith O Sketch

FOR PICTURE POST CARDS, GREETING CARDS, CHRISTMAS CARDS, CALENDARS, BOOK PLATES AND PRINTS.
Claims use since August 1941.

408,442. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) C. CAREY CLOUD, doing business as Cloudcrest Creations, Chicago, Ill. Filed July 28, 1943. Serial No. 462,360.

FOLDAFORM

FOR PAPER PUSH OUT FIGURES FOR MAKING DOLLS AND ANIMAL TOYS.
Claims use since June 15, 1943.

408,443. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KASCO MILLS, INC., Toledo, Ohio. Filed July 28, 1943. Serial No. 462,369.

Venison-ette

FOR FRESH DOMESTIC RABBIT MEAT.
Claims use since June 5, 1943.

408,444. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Oct. 22, 1943. Serial No. 464,350.

ENGINEERING NEWS-RECORD

FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since 1917.

408,445. (CLASS 38. PRINTS AND PUBLICATIONS.) DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed Feb. 9, 1944. Serial No. 467,292.

HEADLINE Detective

FOR A MAGAZINE PUBLISHED MONTHLY.
Claims use since May 19, 1939.

408,446. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES E. CONGDON, doing business as Guadalcanal Products Company, Gowanda, N. Y. Filed Feb. 10, 1944. Serial No. 467,312.

Guadal-canal

FOR GENERAL TONIC.
Claims use since Jan. 2, 1942.

408,447. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BROWN MANUFACTURING CO., Le Roy, N. Y. Filed Mar. 22, 1944. Serial No. 468,499.

RAMON'S RED OIL

FOR HOUSEHOLD LINIMENT.
Claims use since March 1941.

408,448. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT ENTERPRISES, INC., doing business as "Robert," New York, N. Y. Filed Mar. 31, 1944. Serial No. 468,901.

PAGANINI

FOR PERFUMES, BATH SALTS, DUSTING POWDERS, ROUGES, HAND LOTIONS, VANISHING CREAM, MASSAGE CREAM, LIPSTICKS, HAIR LOTION, ASTRINGENT LOTION, ASTRINGENT CREAM, HAND CREAM, AND FACE POWDER.
Claims use since May 1, 1943.

408,449. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOOD TREATING CHEMICALS CO., St. Louis, Mo. Filed Apr. 15, 1944. Serial No. 469,372.

WOOD FIX

FOR CHEMICAL WOOD PRESERVATIVES.
Claims use since Jan. 5, 1943.

408,450. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WELLS MANUFACTURING CORPORATION, Fond du Lac, Wis. Filed Apr. 21, 1944. Serial No. 469,550.



The drawing is lined for blue and red.
FOR AUTOMOTIVE IGNITION SERVICE PARTS—NAMELY, DISTRIBUTOR CONTACT POINTS, DISTRIBUTOR CONDENSERS, DISTRIBUTOR CAPS, DISTRIBUTOR ROTORS, STARTER SWITCHES, STOP LIGHT SWITCHES, VOLTAGE REGULATORS, GENERATOR RELAY CUTOUTS, HEADLIGHT RELAYS, HORN RELAYS, GENERATOR AND STARTER BRUSHES, GENERATOR AND STARTER BUSHINGS, STARTER SPRINGS AND SERVICE PARTS, IGNITION COILS.
Claims use since May 10, 1939.

408,451. (CLASS 31. FILTERS AND REFRIGERATORS.) WILLIAM MCKINLEY BAIRD, Chicago, Ill. Filed May 3, 1944. Serial No. 469,887.

WE FREEZE THE FOOD AND NOT THE PEOPLE

FOR REFRIGERATED LOCKER UNITS.
Claims use since Dec. 12, 1936.

408,452. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GENERAL ELECTRIC X-RAY CORPORATION, Chicago, Ill. Filed May 4, 1944. Serial No. 469,930.

STELEWELD

FOR HOLDERS FOR LIGHT SENSITIVE MATERIAL—NAMELY, CASSETTES.
Claims use since Aug. 1, 1942.

TRADE-MARK REGISTRATIONS RENEWED

178,204. **PRODORITE.** CLAY, TILE AND TERRA-COTTA PIPES AND CONDUITS; COLUMNS, STRUTS; PAVINGS, IMPERMEABLE FLAGGINGS, AND MINERAL PIPE, ROOF, TUNNEL, AND VAULT COVERINGS. Registered January 8, 1924. "PRODOR" FABRIQUE DE PRODUCTS ORGANIQUES S. A. Renewed January 8, 1944, to Prodorite S. A., Geneva, Switzerland, a corporation of Switzerland, by change of name.

182,933. **"OLD HICKORY" AND DRAWING.** PAPER TABLETS. Registered April 22, 1924. SOUTHERN WOODEN WARE CO. Renewed April 22, 1944, to Southern Woodenware Co., Nashville, Tenn., a firm, successor.

185,298. **"HOOD" AND DRAWING.** RUBBER VEHICLE TIRES AND TUBES. Registered June 10, 1924. HOOD RUBBER COMPANY, Watertown, Mass. Renewed June 10, 1944, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

185,312. **ERLADYNE.** RADIO ELECTRICAL APPLIANCES,—NAMELY, TRANSFORMERS, COILS, FIXED CONDENSERS, VARIABLE CONDENSERS, AUDIO-FREQUENCY TRANSFORMERS, RADIO-FREQUENCY TRANSFORMERS, RADIO SETS, AND COMPONENT PARTS THEREOF. Registered June 10, 1924. ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Renewed June 10, 1944, to Electrical Research Laboratories, Inc., Evanston, Ill., a corporation of Illinois, assignee by mesne assignments.

185,313. **ERLAFLEX.** RADIO ELECTRICAL APPLIANCES—NAMELY, TRANSFORMERS, COILS, FIXED CONDENSERS, VARIABLE CONDENSERS, AUDIO-FREQUENCY TRANSFORMERS, RADIO-FREQUENCY TRANSFORMERS, RADIO SETS, AND COMPONENT PARTS THEREOF. Registered June 10, 1924. ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Renewed June 10, 1944, to Electrical Research Laboratories, Inc., Evanston, Ill., a corporation of Illinois, assignee by mesne assignments.

185,314. **TRIPLEX.** RADIO ELECTRICAL APPLIANCES—NAMELY TRANSFORMERS, COILS, FIXED CONDENSERS, VARIABLE CONDENSERS, AUDIO-FREQUENCY TRANSFORMERS, RADIO-FREQUENCY TRANSFORMERS, RADIO SETS, AND COMPONENT PARTS THEREOF. Registered June 10, 1924. ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Renewed June 10, 1944, to Electrical Research Laboratories, Inc., Evanston, Ill., a corporation of Illinois, assignee by mesne assignments.

185,476. **ARTSTYLE.** CANDY. Registered June 17, 1924. UNITED CANDY COMPANY. Renewed June 17, 1944, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

185,749. **"BUCK SKEIN" AND DRAWING.** DRESS AND NEGLIGEE SHIRTS. Registered June 24, 1924. LUSTBERG NAST & CO. Renewed June 24, 1944, to Lustberg, Nast & Co., Inc., New York, N. Y., a corporation of New York, assignee.

186,335. **E-Z.** TYPE CLEANER. Registered July 8, 1924. FRANK G. REMPE, Oakland, Calif. Renewed July 8, 1944.

186,761. **PERFECT LMC.** BUTTER. Registered July 22, 1924. LEWIS, MEARS COMPANY, Boston, Mass. Renewed July 22, 1944, to Rob't F. Lewis, Inc., Cambridge, Mass., a corporation of Massachusetts, successor.

186,762. **STANDARD CREAMERY LM&CO.** BUTTER, CHEESE, AND EGGS. Registered July 22, 1924. LEWIS, MEARS COMPANY, Boston, Mass. Renewed July 22, 1944, to Rob't F. Lewis, Inc. Cambridge, Mass., a corporation of Massachusetts, successor.

187,305. **STA-UP.** SHOES OF LEATHER AND OF LEATHER AND TEXTILE MATERIAL. Registered July 29, 1924. NATHAN D. DODGE SHOE CO., Newburyport, Mass. Renewed July 29, 1944, to Copeland & Ryder Company, Jefferson, Wis., a corporation of Wisconsin, successor.

187,768. **"CHIEF'S PRIDE" AND DESIGN.** HOSE MADE OF RUBBER REENFORCED WITH FABRIC. Registered August 12, 1924. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed August 12, 1944.

188,276. **KING TUT.** FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, AND DRIED FRUITS. Registered August 19, 1924. FARM PRODUCTS SALES CO. Renewed August 19, 1944, to M. S. Cunha & Co., Hayward, Calif., a copartnership, successor.

188,831. **MO-CRO-NI.** STEEL FORGINGS. Registered September 2, 1924. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 2, 1944.

188,999. **EUCLID AXMINSTER.** RUGS AND CARPETS MADE OF COTTON, WOOL, AND JUTE YARNS. Registered September 9, 1924. HUGH NELSON COLUMBIA CARPET MILLS. Renewed September 9, 1944, to Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa., a corporation of Pennsylvania, successor.

189,553. **"ALLWYR" AND DRAWING.** LEADERS FOR FISHING LINES. Registered September 23, 1924. WILLIAM P. MACMASTERS, Portland, Oreg. Renewed September 23, 1944.

189,727. **"WHEARY W", AND DRAWING.** TRUNKS. Registered September 23, 1924. WHEARY-BURGE TRUNK COMPANY. Renewed September 23, 1944, to Wheary, Incorporated, Racine, Wis., a corporation of Wisconsin, by change of name.

189,755. **REPRESENTATION OF TWO NOTCHES IN THE EDGE OF THE ARTICLE.** GASKETS, WASHERS, AND PACKING OF CORK OR CORK COMPOSITION, AND FOR CORK OR CORK COMPOSITION IN THE SHEET ESPECIALLY ADAPTED FOR PACKING. Registered September 23, 1924. ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Renewed September 23, 1944, to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania.

189,821. **SUPREME.** STOCKMEN'S BED SHEETS. Registered September 30, 1924. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex., a corporation of Texas. Renewed September 30, 1944.

189,899. **GOVERNMENT BOND.** WHEAT FLOUR. Registered September 30, 1924. HUMBOLDT MILLING COMPANY, Humboldt, Tenn., a corporation of Tennessee. Renewed September 30, 1944.

190,656. **MOLLY STARK.** BEDS. Registered October 21, 1924. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Renewed October 21, 1944, to Jamison Bedding, Inc., Nashville, Tenn., a corporation of Tennessee, assignee by mesne assignments.

190,657. **DOLLY MADISON.** BEDS. Registered October 21, 1924. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Renewed October 21, 1944, to Jamison Bedding, Inc., Nashville, Tenn., a corporation of Tennessee, assignee by mesne assignments.

190,658. **JENNY LIND.** BEDS. Registered October 21, 1924. WHEELER-OKELL COMPANY, Wilmington, Del., and Nashville, Tenn. Renewed October 21, 1944, to Jamison Bedding, Inc., Nashville, Tenn., a corporation of Tennessee, assignee by mesne assignments.

190,707. **"FACTO" AND DESIGN.** GASOLINE, KEROSENE, AND LUBRICATING OILS AND GREASES. Registered October 21, 1924. THE FACTORY OIL COMPANY, Akron, Ohio. Renewed October 21, 1944, to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio, assignee.

190,708. **FACTO.** GASOLINE, KEROSENE, AND LUBRICATING OILS AND GREASES. Registered October 21, 1924. THE FACTORY OIL COMPANY, Akron, Ohio. Renewed October 21, 1944, to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio, assignee.

190,942. **SUPREME.** TENTS AND TARPAULINS. Registered October 28, 1924. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex., a corporation of Texas. Renewed October 28, 1944.

191,133. **SUPREME.** COTTON-PICKER SACKS. Registered November 4, 1924. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex., a corporation of Texas. Renewed November 4, 1944.

191,202. **BLEACHTEX.** TOILET PAPER, PAPER NAPKINS, PAPER TOWELS, AND PAPER TABLECLOTHS. Registered November 4, 1924. FORT HOWARD PAPER COMPANY, Green Bay, Wis., a corporation of Wisconsin. Renewed November 4, 1944.

191,414. **"UNITED BUSINESS SERVICE" AND DRAWING.** ECONOMICS-SERVICE PUBLICATION ISSUED EACH WEEK. Registered November 11, 1924. UNITED BUSINESS SERVICE COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed November 11, 1944.

191,516. **"DUX-BAK" AND DRAWING.** TARPAULINS AND TENTS. Registered November 11, 1924. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex., a corporation of Texas. Renewed November 11, 1944.

191,962. **ECONOMY.** HOT-WATER BAGS, RUBBER SHEETING FOR BEDS AND HOSPITAL USE, HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, SURGEONS' GLOVES, AND CLINICAL THERMOMETERS. Registered November 25, 1924. MEINECKE & COMPANY, New York, N. Y. Renewed November 25, 1944, to Meinecke & Company, Millville, N. J., a corporation of New Jersey.

192,049. **TANGEE.** COMPLEXION POWDER, FACE LOTIONS, AND NAIL POLISHES. Registered November 25, 1924. THE GEORGE W. LUFT CO., INC. Renewed November 25, 1944, to The George W. Luft Company, Inc., Long Island City, N. Y., a corporation of New York, assignee.

192,086. **BRILLOX.** BRILLIANTINE, POMADE IN SALVE FORM TO IMPART LUSTER TO THE HAIR, AND HAIR TONIC. Registered November 25, 1924. MAX FACTOR, doing business as Max Factor & Company. Renewed November 25, 1944, to Max Factor & Co., Los Angeles, Calif., a corporation of Delaware, assignee.

192,343. **TUB LUSTRE.** PIECE GOODS OF SILK, COTTON, AND MIXTURES THEREOF. Registered December 2, 1924. TURNER & WALLS. Renewed December 2, 1944 to Albert H. Vandam Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

192,443. **EAGLE BRAND.** SHEETS OF BRASS OR COPPER OR ALLOYS THEREOF, DRAWN OR ROLLED RODS OF BRASS OR COPPER OR ALLOYS THEREOF, BRONZE SHEETS OR RODS, SHEETS AND RODS OF YELLOW METAL, SHEETS AND RODS OF NAVAL BRONZE, MANGANESE-BRONZE SHEETS AND RODS, YELLOW-METAL SHEATHING, CASTINGS, AND FORGINGS OF BRASS OR COPPER OR ALLOYS THEREOF. Registered December 2, 1924. TAUNTON-NEW BEDFORD COPPER COMPANY, Taunton, Mass. Renewed December 2, 1944, to Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland, assignee.

192,448. **STUFTOYS.** STUFFED PLAYTHINGS IN THE FORM OF DOLLS, ANIMALS, AND THE LIKE, AND STAMPED, TINTED, OR OTHERWISE PREPARED FOUNDATION MATERIALS KNOWN AS CUT-OUTS, WITH AND WITHOUT OUTFITS FOR FINISHING THE SAME AND OTHER SUPPLIES FOR MAKING THE SAME. Registered December 2, 1924. BERNHARD ULMANN CO. INC., New York, N. Y., a corporation of New York. Renewed December 2, 1944.

192,451. **PARAGON.** PHOTOGRAPHIC LENSES AND PHOTOGRAPHIC-LENS MOUNTINGS. Registered December 2, 1924. ILEX OPTICAL COMPANY, Rochester, N. Y., a corporation of New York. Renewed December 2, 1944.

192,496. **SILKENE.** CRÊPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. Registered December 9, 1924. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Renewed December 9, 1944.

192,497. **TEXTILE.** CRÊPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. Registered December 9, 1924. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Renewed December 9, 1944.

192,498. **VELVO.** CRÊPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. Registered December 9, 1924. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Renewed December 9, 1944.

192,500. **PRYNTX.** PRINTING AND LITHOGRAPHING PAPER. Registered December 9, 1924. NEW YORK & PENNSYLVANIA COMPANY, Castanea, Pa., and New York, N. Y. Renewed December 9, 1944, to New York & Pennsylvania Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

192,501. **NYPRINT.** PRINTING AND LITHOGRAPHING PAPER. Registered December 9, 1924. NEW YORK & PENNSYLVANIA COMPANY, Castanea, Pa., and New York, N. Y. Renewed December 9, 1944, to New York & Pennsylvania Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

192,517. **PLUS METAL.** TYPE METAL. Registered December 9, 1924. IMPERIAL TYPE METAL CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed December 9, 1944.

192,530. **"VITA-MOTOR" AND DRAWING.** CHIROPRACTIC MACHINES. Registered December 9, 1924. RITTENHOUSE AND SWEETLAND, San Diego, Calif., a firm. Renewed December 9, 1944.

192,560. **HUBACH'S "OF COURSE".** ICE CREAM, BUTTER, MILK, CHEESE. Registered December 9, 1924. HUBACH'S PRODUCTS CO. Renewed December 9, 1944, to Charles H. Hubach, doing business as Hubach's Products Co., Tiffin, Ohio, successor.

192,587. **"X-IT" AND DESIGN.** PYORRHEA MEDICINE AND PREVENTIVE, DENTIFRICE, A SPECIFIC FOR THE REMOVAL OF DEAD TISSUES, DISINFECTANT AND DEODORANT FOR THE TEETH, AND AS A GENERAL TONIC FOR THE GUMS. Registered December 9, 1924. MARDORN CHEMICAL CORPORATION, New York, N. Y. Renewed December 9, 1944, to Mardorn Chemical Corporation, Omaha, Nebr., a corporation of Delaware.

192,588. **X-IT.** MOUTH WASH, GARGLE, AND SPRAY FOR THE NOSE AND THROAT, USED AS A GENERAL TONIC FOR MEMBRANEOUS TISSUES AND AS A SEDATIVE FOR THE RELIEF OF PAIN CAUSED BY LESIONS IN THE TISSUES, GUMS, OR CAVITIES IN THE TEETH. Registered December 9, 1924. MARDORN CHEMICAL CORPORATION, New York, N. Y. Renewed December 9, 1944, to Mardorn Chemical Corporation, Omaha, Nebr., a corporation of Delaware.

192,614. **"SUNRUCO" AND DESIGN.** WATER BOTTLES, FOUNTAIN SYRINGES, ICE CAPS, RUBBER BULBS FOR USE ON SYRINGES AND DOUCHES. Registered December 9, 1924. THE SUN RUBBER COMPANY, Barberton, Ohio, a corporation of Ohio. Renewed December 9, 1944.

192,624. **REGAL.** SILK PIECE GOODS. Registered December 9, 1924. ANNIN & CO., New York, N. Y., a corporation of New York. Renewed December 9, 1944.

192,699. **"MC CORD CORK GASKETS" AND DESIGN.** CORK GASKETS. Registered December 9, 1924. MC CORD RADIATOR & MFG. CO., Detroit, Mich., a corporation of Maine. Renewed December 9, 1944.

192,703. **ACME.** SILK PIECE GOODS. Registered December 9, 1924. ANNIN & CO., New York, N. Y., a corporation of New York. Renewed December 9, 1944.

192,723. **"PURITAN DAIRY" AND DRAWING.** FRESH MILK AND CREAM. Registered December 9, 1924. PURITAN DAIRY, INC., Perth Amboy, N. J., a corporation of New Jersey. Renewed December 9, 1944.

192,727. **"GOLDEN HARVEST" AND DESIGN.** TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBRE. Registered December 9, 1924. SCHERMERHORN BROS. CO., Chicago, Ill., a corporation of Illinois. Renewed December 9, 1944.

192,741. **GOTHAM INVISIBLES.** UNDERSTOCKINGS, SPATS, AND HOSIERY. Registered December 9, 1924. GOTHAM SILK HOSIERY CO. INC. Renewed December 9, 1944, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

192,754. **"CAMELO" AND DRAWING.** CLEANERS, DRESSINGS, PRESERVATIVES, AND WATERPROOFING FOR FABRICS, LEATHERS, AND OTHER MATERIALS. Registered December 9, 1924. WATERPROOFING, INCORPORATED. Renewed December 9, 1944, to Camelo Products Company, Incorporated, Indianapolis, Ind., a corporation of Indiana, assignee.

192,783. **"CLEAN CUT" AND DESIGN.** ADZES, HAMMERS, TOOL HANDLES, SAW SETS, SAW VICES, BRACES, AUGERS, GIMLETS, COUNTERSINKS, REAMERS, SCREW DRIVERS, TROWELS, PLIERS, NIPPERS, RAZORS, BUTCHER KNIVES, BREAD KNIVES, SLICERS, KITCHEN KNIVES, TABLE CUTLERY OF BASE METAL, POCKETKNIVES, PUTTY KNIVES, CARVERS, PUNCHES, NAIL SETS, WRENCHES, SCREW PLATES, TOOL GRINDERS, LAWN MOWERS, AND OTHER CERTAIN NAMED TOOLS. Registered December 9, 1924. DUNHAM, CARRIGAN & HAYDEN CO., San Francisco, Calif., a corporation of California. Renewed December 9, 1944.

192,793. **GORHAM.** METAL STATUARY, MEMORIAL TABLETS, AND OTHER MEMORIALS IN METAL. Registered December 9, 1924. GORHAM MANUFACTURING COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed December 9, 1944.

192,797. **"HORACE GREELEY" AND PORTRAIT.** WHEAT FLOUR. Registered December 9, 1924. THE COLORADO MILLING & ELEVATOR CO. also doing business as The Model Flour Mills, Denver and Greeley, Colo., a corporation of Colorado. Renewed December 9, 1944.

192,804. **VELVET.** CRÊPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. Registered December 9, 1924. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Renewed December 9, 1944.

192,805. **VICTORY.** CRÊPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. Registered December 9, 1924. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Renewed December 9, 1944.

192,806. **FERN.** FRESH VEGETABLES. Registered December 9, 1924. BIGGAR-PADGETT COMPANY. Renewed December 9, 1944, to Biggar & Biggar, Inc., Fort Myers, Fla., a corporation of Florida, by change of name.

PLANT PATENTS

GRANTED AUGUST 8, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

636
ROSE PLANT
Frederick Huber Howard, Montebello, Calif.
Application December 17, 1943, Serial No. 514,701
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant substantially as herein shown and described, characterized particularly by its exceedingly vigorous and healthy growth, its virtual thornlessness; its long, slender buds; and its perfectly formed, fragrant, exceedingly long-lasting flowers of dual tones as indicated.

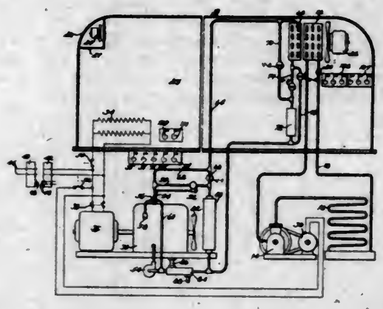
637
ROSE PLANT
Frederick Huber Howard, Montebello, Calif.
Application December 17, 1943, Serial No. 514,702
1 Claim. (Cl. 47—61)

The new and useful variety of hybrid tea rose plant, substantially as shown and described, characterized by its great resistance to disease; its vigorous upright and bushy growth; its strong leathery foliage; its exceedingly prolific production of beautifully formed flowers of very pronounced fragrance, excellent lasting qualities and pleasing, distinctive color as indicated.

PATENTS

GRANTED AUGUST 8, 1944

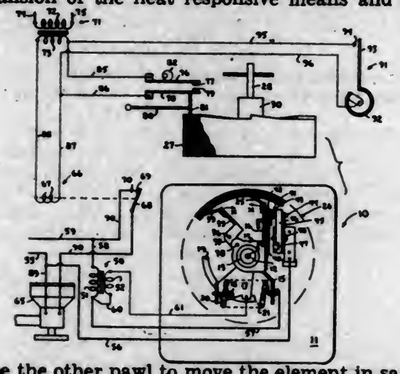
2,355,040
REFRIGERATING APPARATUS
Donald F. Alexander, Oakwood and James R. Hornaday and Albert J. Kuhn, Dayton, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 30, 1941, Serial No. 404,686
6 Claims. (Cl. 257—3)



1. In combination with an enclosure, an internal combustion engine, a generator driven by said engine, electric heaters within said enclosure adapted to be supplied with electrical energy from said generator, means for supplying waste heat from said engine to said enclosure including means for supplying a portion of said waste heat into the upper portion of said enclosure and another portion of said heat to the lower portion of said enclosure, means responsive to the temperature within said enclosure controlling the heat supplied to the upper portion of said enclosure, thermostatic means controlling the supply of waste heat to the lower portion of said enclosure, and temperature responsive means preventing energization of said electrical heaters when the temperatures in the enclosure are such that one or the other of said waste heat supplying means is inoperative to supply waste heat to said enclosure.

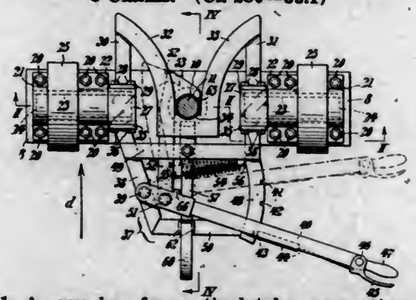
2,355,041
HEAT MOTOR
Albert E. Baak, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Original application January 2, 1941, Serial No. 372,783. Divided and this application October 25, 1941, Serial No. 416,511
13 Claims. (Cl. 172—126)

1. A heat motor comprising in combination, a movable element, actuating means for the element comprising an arm having a pawl adapted to engage said element, a second arm having a pawl adapted to engage said element, heat responsive means for actuating said arms, a single heater for periodically heating said heat responsive means so that it alternately heats and cools so as to cause it to expand and contract, and means whereby said heat responsive means actuates said arms so as to cause one pawl to move the element in a given direction by reason of the expansion of the heat responsive means and to



cause the other pawl to move the element in said given direction by reason of the contraction of the heat responsive means.

2,355,042
COUPLER
John Harland Billings, Merion Golf Heights, Pa.
Application June 5, 1943, Serial No. 489,742
8 Claims. (Cl. 280—33.1)

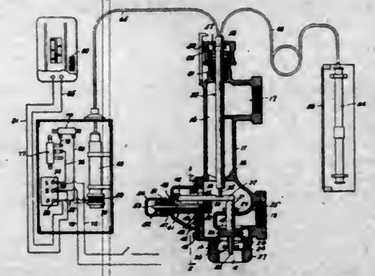


1. A coupler for articulately connecting a power actuated truck and a trailer comprising an oscillatable guide-and-yoke device; spaced bearings for rigid support of such device by one of the vehicles; a pivot carried by the other vehicle for engagement in the guide portion of said device; a tension-influenced latch member with a hook supported by the guide-portion of the device to effect automatic engagement of the coupler; manipulator means fulcrumed to the yoke-portion of the oscillatable device and having pivotal connection to the latch member for release of the latter; and means for locking the latch member hook in active connection with the pivot aforesaid.

2,355,043
THERMOSTATICALLY CONTROLLED VALVE
Thomas Napier Adlam, West Orange, N. J., assignor to Sarco Company, Inc., New York, N. Y., a corporation of New York
Application April 13, 1942, Serial No. 438,747
2 Claims. (Cl. 236—91)

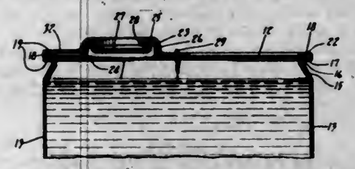
1. In a thermostatically controlled valve having inlet ports for admitting heat exchange me-

dium at relatively different temperatures respectively and having a mixing chamber in communication with said ports and provided with a discharge outlet, a reciprocatory valve element disposed between and mounted for movement in opposite directions towards and away from said ports respectively, a thermostatic element disposed in said chamber and having a piston mounted therein for moving the valve element in one direction, an expansion spring engaging said valve element for moving the same in the opposite direction, a lever mounted for rocking movement and engaged by the piston and valve element on opposite sides thereof at longitudinally spaced points, means for varying the fulcrum point of said lever longitudinally thereof so as to vary the extent of movement of the valve element in relation to the movement of the piston, control bulbs defining terminal chambers and



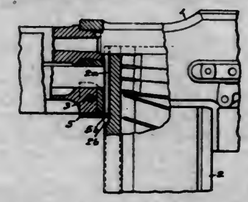
conduits connecting said bulbs to said thermostatic element for establishing communication between the terminal chambers and with the interior of the thermostatic element, said thermostatic element and said bulbs containing a thermo-sensitive fluid for controlling the movement of the piston and valve element by expansion and contraction of the fluid due to temperature changes occurring at the location of the bulbs and in the mixed medium in the mixing chamber, a heating element for one of said bulbs, an electric switch and a thermostat adapted to be set for actuation of said switch at a predetermined temperature, and means electrically connecting said switch to said heating element for heating the fluid within the said last mentioned bulb when the temperature surrounding said thermostat exceeds the predetermined degree set on said thermostat.

2,355,044
CONTAINER
August E. Almgren, Hillside, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 18, 1941, Serial No. 403,055
1 Claim. (Cl. 229—7)



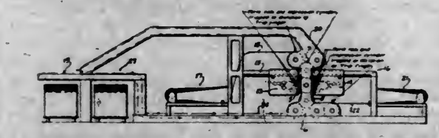
A container for liquids comprising a tubular fibre body member and a substantially flat end closure member having its peripheral portion enclosed within and adhesively secured to inwardly folded terminal flange portions of said body member in an end joint, said end member having a pouring opening surrounded by an integral annular upwardly and inwardly extending spout flange terminating in an exposed raw edge, said spout extension constituting a pouring nozzle for directing the flow of liquid contents beyond and out of contact with the adjacent exterior surface parts of the container, and a closure element hingedly secured to said end closure member for covering said nozzle and said opening when in closed position, said closure element having a drawn plug section engageable within said opening and laterally expanded into locking engagement beneath said spout flange extension to removably secure said closure element in container sealing position, said hinged closure element also having an integral forwardly extending flange portion engaging and secured to said end joint to cover and protect adjacent parts of said end closure member and joint against contamination by extraneous matter.

2,355,045
BLANK FIRING SAFETY ATTACHMENT
Herbert Robert Audet, Springfield, Mass.
Application July 8, 1942, Serial No. 450,182
2 Claims. (Cl. 42—50)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A blank firing safety attachment for a magazine firearm comprising in combination, a magazine adapted to be loaded with blank cartridges, said magazine having a side wall and a groove therein extending downwardly from the top of said wall, and a member adapted to be secured to the firearm having a tongue adapted to project into overlapping relationship with the magazine opening of the firearm, said tongue adapted to cooperate with said groove in said magazine whereby only said grooved magazine may be inserted into the magazine opening of the firearm.

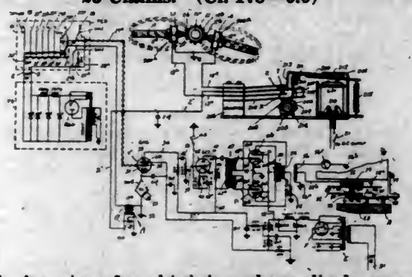
2,355,046
PRINTING PRESS
Frank R. Belluche, Racine, Wis., assignor to The Christensen Machine Company, Racine, Wis., a corporation of Wisconsin
Application May 9, 1941, Serial No. 392,637
12 Claims. (Cl. 101—230)



1. In a printing press the combination of: two separate sheet feeders, each operable to take sheets from a source of supply and feed them to the press at a predetermined maximum number of sheets per unit of time; a single plate cylinder; two impression cylinders co-acting with the plate cylinder to form two printing couples one for each feeder; means for transferring the sheets fed by each feeder to its

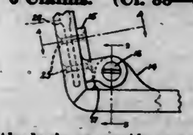
printing couple; and a separate delivery mechanism to receive sheets from each printing couple, so that a total press output may be maintained twice the maximum number of sheets per unit of time fed by one feeder while the linear speed of the sheets through the press is held within the limit set by good printing requirements.

2,355,047
NONLINEAR MODULATING SYSTEM
Joseph A. Bennett, Anderson, Ind., assignor to Lynch Corporation, Anderson, Ind., a corporation
Application February 24, 1942, Serial No. 432,284
23 Claims. (Cl. 178—6.6)



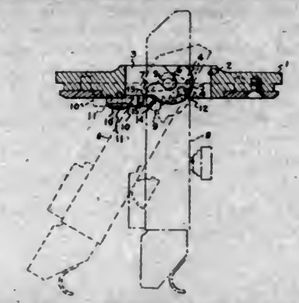
1. A system for obtaining phase displacement of signals including in combination a segmented rotor of magnetic type, a pair of magnets, a coil means associated with each magnet, and a signal supply circuit selectively connectable to each coil means, said magnets having a displacement at least equal to (n plus ½) the rotor segment spacing where n is the number of full segments between magnets, each coil means included in the magnetic circuit being adjustably mounted upon the associated magnet for regulation voltage derived from said coil means.

2,355,048
OPHTHALMIC MOUNTING
Daniel P. Bernheim, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 2, 1941, Serial No. 405,224
6 Claims. (Cl. 88—53)



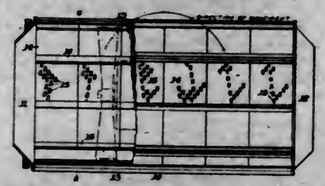
1. An ophthalmic mounting comprising a front composed of a pair of lens rims connected by a bridge member and having perforated temple supporting lugs with upper and lower substantially parallel bearing surfaces on the temporal sides of the rims, said temple supporting lugs being formed of a moldable plastic material containing a liquid plasticizer, in combination with temples having spaced perforated metallic hinge members engaging the upper and lower bearing surfaces of the lugs and pivot means extending through the openings in the hinge members and the opening in the temple lugs for pivotally retaining said metallic hinge members in frictional engagement with the respective upper and lower surfaces of the temple lugs, the characteristics of the plastic material containing a liquid plasticizer being such as to provide a self-lubricating action throughout the frictionally engaged surfaces of the assembled parts.

2,355,049
QUICK-RELEASE HOLDER
Robert E. Birdsall, Detroit, Mich.
Application June 17, 1943, Serial No. 491,235
6 Claims. (Cl. 248—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a quick-release holder, a support, a retaining member pivotally mounted thereon and having a cavity adapted to receive a pintle on an object to be supported in the holder, a locking member movably mounted on said support relatively to the first member and engageable therewith in interlocking relation, resilient means normally holding the second member in interlocking engagement with said retaining member, said locking member having a portion positioned to be abutted by the supported object on swinging the latter, whereby to hold said locking member out of interlocking engagement with said retaining member.

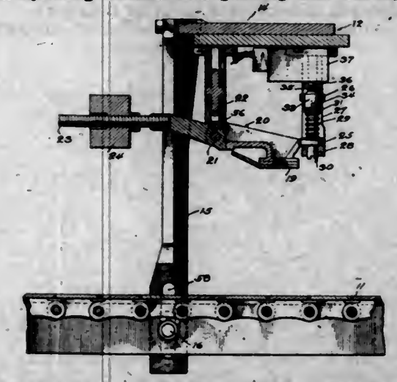
2,355,050
CRUSHING MACHINERY
George W. Borton, Philadelphia, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y., a corporation of New York
Application December 28, 1942, Serial No. 470,348
4 Claims. (Cl. 83—9)



1. A crushing structure of the rotary type including a drum made up of end sections in spaced relation with longitudinal members connecting the same, in combination with screen plates forming the wall of said drum and having elongated perforations whose width at one end is greater than that at the other in the ratio of approximately two to one; said drum being arranged to rotate in a direction with the smaller end of the perforations in the leading position.

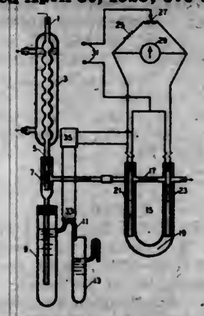
2,355,051
BULGED CAN DETECTOR
Harvey M. Brancher, Baltimore, Md.
Application April 5, 1943, Serial No. 481,888
4 Claims. (Cl. 209—88)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a conveyor belt, an apparatus for separating imperfect cans from perfect cans comprising a bridge frame adapted to be positioned over said conveyor belt, means for ejecting an imperfect can from said conveyor belt and mechanism carried by said bridge frame adaped to co-act with the ends of said cans for actuating said ejecting means, said mechanism comprising a balance lever pivotally supported intermediate its length over the path of travel of the cans, means attached to said lever at one end for balancing it, and means for actuating said ejecting means and guiding and steadying



the lever at its other end comprising a bracket depending from the bridge frame, a plunger slidably mounted in the bracket and yieldingly connected to the balance lever, said yielding connection maintaining the lever in balanced condition but permitting relative motion between the plunger and the lever when the plunger reaches its actuating position, said plunger contacting a portion of the ejecting means to actuate it when the balance lever is raised by the bulged end of an imperfect can.

2,355,052
APPARATUS FOR MEASURING STEAM-GAS RATIO
Earl H. Brown, near Sheffield, Ala., assignor to Tennessee Valley Authority, a corporation of the United States of America
Application October 26, 1942, Serial No. 463,423
2 Claims. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus for continuously determining the ratio of readily condensable to relatively noncondensable gas in a gaseous mixture, which comprises the combination of

(a) Means for condensing said readily condensable gas and separating said noncondensable gas from a stream of said gaseous mixture,

(b) Means for collecting successive quantities of all of the condensate produced wherein each quantity is equivalent to a predetermined volume of condensable material,

(c) Means for measuring the rate of flow of noncondensable gas so separated during the time required to separate each said quantity of condensate,

(d) Electrical means for recording the rate of flow so measured, and

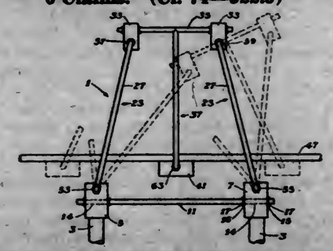
(e) An electrical circuit means responsive to the flow of each successive quantity of condensate so collected and so associated with said electrical recording means to momentarily disrupt the record of rate of flow and thereby record the time required for the collection of each successive quantity of condensate.

2,355,053
OPHTHALMIC MOUNTING
George Willard Carlson, Minneapolis, Minn., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application April 22, 1940, Serial No. 330,917
8 Claims. (Cl. 88—41)



1. A unitary lens-supporting structure for the lens of an ophthalmic mounting comprising a bridge member of non-metallic material having integral portions extending therefrom, one of said portions being shaped to follow substantially only the upper contour edge of the lens and the other of said portions being shaped to follow substantially only the nasal portion contour edge of the lens adjacent the bridge member, said portion following the upper contour edge of the lens extending substantially throughout the length of the upper contour edge of the lens and having a reinforcing member of bar-like metallic material extending substantially longitudinally thereof and in secured relation therewith and having a relatively long adjustable temple supporting end extending outwardly and rearwardly from the free end thereof.

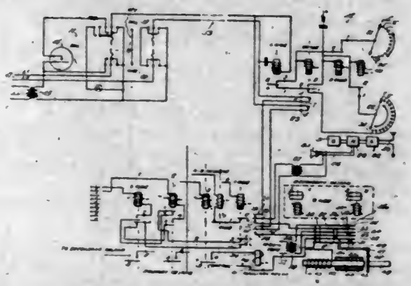
2,355,054
PULL ROD CARRIER
Richard H. Carr, Evanston, Ill., assignor, by mesne assignments, to Allen M. Rossman, Wilmette, Ill.
Application July 18, 1940, Serial No. 346,114
6 Claims. (Cl. 74—522.5)



1. A device of the character described comprising a linkage having a point thereon adapted to oscillate over a limited distance along a substantially straight line, supporting means fastened to said linkage at said point for freely supporting

a reciprocable rod line, and means adapted to be secured to a reciprocating rod line and cooperating with the supporting means for centering the supporting means with respect to the rod in the direction of reciprocation of the rod.

2,355,055
ELECTRIC RELAY SYSTEM
Carl P. Clare, Arlington Heights, Ill., assignor to C. P. Clare and Co., Chicago, Ill., a corporation of Illinois
Application January 4, 1941, Serial No. 373,173
9 Claims. (Cl. 177—353)

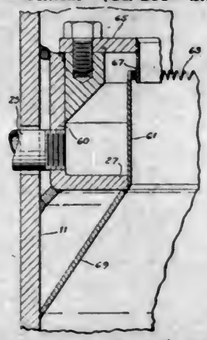


1. An electrical relay system comprising in combination with a line circuit, controlling means including a dial switch associated with said line circuit, a signalling system, a self-commutating relay having a winding, a movable armature and a spring pile-up assembly, an audio frequency source, connections from said source and said signalling system to a portion of said spring pile-up assembly for impressing energy from said source upon said signalling system, means associated with said relay for timing the periodicity of application of said source to said signalling system, relay means responsive to the operation of said dial switch for establishing a circuit between said relay winding and said line circuit, and means independent of said dial switch for maintaining said line circuit closed over a selected time period for effecting successive repeat operations of said self commutating relay.

2,355,056
PREPARATION OF ZEIN SOLUTIONS DIRECTLY FROM GLUTEN
Roy E. Coleman, Chicago, Ill., assignor to Time Incorporated, a corporation of New York
No Drawing. Original application November 30, 1942, Serial No. 467,402. Divided and this application December 18, 1942, Serial No. 469,457
10 Claims. (Cl. 106—153)

1. The method of preparing directly from gluten a solution of zein-containing proteins in a solvent or mixture of solvents comprising as an essential solvent constituent for the zein-containing proteins, a solvent having a boiling point above about 125° C. and having a proportion of polar to non-polar radicals which lies within a range extending between the limits of the proportion of polar to non-polar radicals of methanol and the proportion of polar to non-polar radicals of ethanol, which comprises contacting gluten with a zein protein solvent having a boiling point below about 125° C. at an elevated temperature in the order of about 120° F. to about 170° F. to extract zein-containing proteins from the gluten, separating the extract solution from the residual gluten, mixing the aforesaid solvent having a boiling point above about 125° C. with said extract solution and removing at least part of said relatively low boiling point solvent from the solution.

2,355,057
APPARATUS FOR DEAERATING VISCOSE COMPOSITIONS
Norman A. Copeland, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 18, 1941, Serial No. 403,007
1 Claim. (Cl. 183—2.5)



A viscose deaerating apparatus comprising a cylindrical container, a vacuum pump connected to said container, a viscose manifold, a plurality of viscose inlet means connecting said manifold to said container near the top thereof, a U-shaped annular viscose distributing trough positioned on the internal periphery of the container and immediately adjacent said inlet means, and a frustum-shaped viscose directing member contacting and extending downwardly from the inner bottom edge of the trough to the side wall of said container whereby to direct the flow of viscose issuing from said trough in the form of a film downwardly and into contact with the uppermost exposed portion of the side wall below said trough.

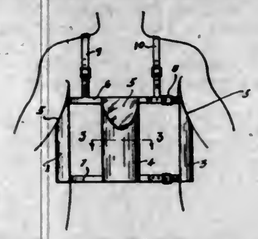
2,355,058
MANUFACTURE OF SET STABILIZED PLASTER
Dean D. Crandell, Buffalo, N. Y., assignor to National Gypsum Company, Buffalo, N. Y.
No Drawing. Application April 16, 1941, Serial No. 388,871
1 Claim. (Cl. 106—315)

A non-lumping, non-balling mix suitable for admixture with calcined gypsum without segregation therein comprising niter cake and about 10% to 200% of calcined gypsum based upon the weight of the niter cake.

2,355,059
PRODUCTION OF CAST IRON
John T. Eash, Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 14, 1943, Serial No. 506,262
11 Claims. (Cl. 75—130)

1. An addition alloy for cast iron comprising about 28% to 33% silicon, about 0.3% to 1% calcium, 8% to 12% iron and 58% to 62% nickel, the sum of the silicon, iron and nickel contents being approximately 98% of the alloy.

2,355,060
LIFE PRESERVER AND SWIMMING-AID DEVICE
Elwell Eastman, Portland, Oreg.
Application December 26, 1942, Serial No. 470,203
1 Claim. (Cl. 9—17)

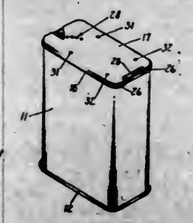


A life preserver comprising a plurality of hollow buoyant floats made of plastic material and each having a top wall, bottom wall, a concave inner wall, and a convex outer wall, said top wall being inclined downwardly and outwardly away from the inner wall, said floats being attached to each other in spaced relation by straps secured to the upper and lower extremities of the exterior surface of the inner wall of each float and terminating in adjustable fastening elements for attaching the floats to the body of the wearer, and shoulder straps secured to said upper strap for positioning the floats on the body of the wearer.

2,355,061
TURPENTINE COMPOSITION AND METHOD OF MAKING
Joseph Eichberg, Great Neck, N. Y., assignor to American Lecithin Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 6, 1942, Serial No. 449,959
8 Claims. (Cl. 106—271)

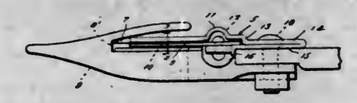
1. The method of improving a composition of matter comprising a terpenic material selected from the class consisting of turpentine and liquid polymerized turpentine, which comprises adding from about 0.005% up to 1% of phosphatide by weight of the terpenic material to the composition in a liquid state.

2,355,062
CONTAINER
George C. Erb, Forest Hills West, and Garland W. Reese, Chappaqua, N. Y., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 28, 1939, Serial No. 296,988
5 Claims. (Cl. 222—480)



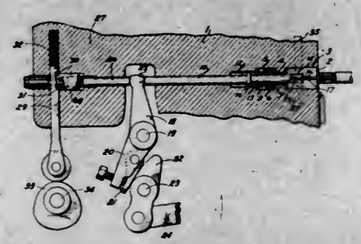
1. In combination with a container body having a counter-sunk sheet metal top end head crimped thereto at its marginal edge and a flat slide member therefor, said body and head being rectangular in shape and said top end head having an opening therein, the upper plane of the crimped edge portion of said top head serving as an outer bearing surface for the slide member, a bearing portion having a relatively wide upper bearing surface bordering the opening of the slide member, said inner bearing surface being on a substantial plane with the outer bearing surface, a channel rectangular in shape spacing the two bearing surfaces from each other, said slide member having sifter openings near one end thereof, depressed stops formed on the slide member on opposite sides of the sifter openings, and said stops projecting into the channel to limit movement of the slide member in either direction of movement by coming into contact with the outer wall of the channel.

2,355,063
GUARD PLATE FOR MOWERS
Henry Flohr, Jr., Encampment, Wyo.
Application August 24, 1942, Serial No. 455,929
1 Claim. (Cl. 56—309)



A guard plate for mowers and comprising integrally formed front and rear sections, said front section being flat and adapted to overlie the moving cutter of the mower and having serrations on its underside arranged in strips adjacent each side edge of the plate, a shallow longitudinally extending groove on the underside of the front section between the strips of serrations to position the strips on a plane below the remainder of said front section of the plate and means for attaching the rear section to the mower.

2,355,064
PROCESS AND APPARATUS FOR MAKING HOLLOW RIVETS
John H. Friedman, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application December 22, 1941, Serial No. 423,900
19 Claims. (Cl. 10—12)

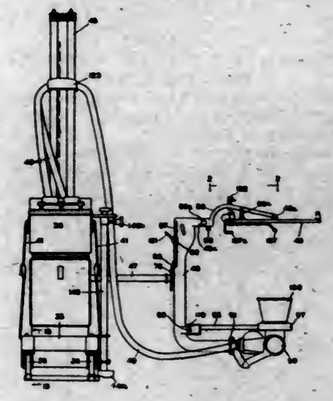


8. A double blow header for making hollow rivets including a bed frame carrying a die mounted for limited axial sliding movement, a knockout rod slidably mounted co-axially with said die, and terminating in a piercing tool arranged to act upon blanks supported in said die, cam means for advancing said knockout rod and piercing tool in said die between the first and second blows of said header, and for advancing said knockout rod to eject blanks from said die after the second blow of said header.

2,355,065
PAPER COATING
Herbert F. Gardner, Chicago, Ill., assignor to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 3, 1940, Serial No. 351,099
6 Claims. (Cl. 106—205)

3. A paper coating color comprising a coating pigment and containing as the predominant adhesive component a low soluble white starch gum having a solubility within the range of about 1% to about 20% in water at 25° C. and a viscosity characteristic such that it will give a viscosity reading of 30 seconds on a Stormer viscosimeter using a 500 gram weight and the high viscosity cup when dispersed in water in proportions within the range of 1 part of said starch gum to 2–7½ parts of water with heating to 190° F. followed by cooling and testing at 75° F., and said starch gum being obtainable by roasting a starch under substantially dry conditions at temperatures within the range of 350° F. to 450° F. in the presence of not more than 0.1% of a non-dehydrating acid based on the weight of the starch for a period less than that at which the color change from white to brown normally occurs.

2,355,066
MOBILE UNIT WITH FOREIGN BODY LOCALIZER
Edwin R. Goldfield, University Heights, Ralph C. Schiring, Cleveland, and Robert J. Stava, East Cleveland, Ohio, assignors to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 2, 1941, Serial No. 386,390
8 Claims. (Cl. 250—59)



1. In X-ray apparatus for locating a foreign body, a carriage movable along a surface, a bracket adjustably mounted on said carriage, an X-ray tube and a fluoroscopic screen mounted on said bracket in fixed relation to each other and so that the rays of said tube are directed toward said screen, there being indicia on said screen, and means for indicating the amount of carriage travel necessary to move between said indicia the image on said screen of a foreign body in fixed position between said tube and screen.

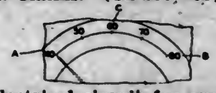
2,355,067
BRAZING SOLDER
Melvin M. Goldsmith, Chicago, Ill., assignor to Goldsmith Bros. Smelting & Refining Company, a corporation of West Virginia
No Drawing. Original application March 3, 1941, Serial No. 381,595, now Patent No. 2,310,231, dated February 9, 1943. Divided and this application May 6, 1942, Serial No. 441,967
3 Claims. (Cl. 75—155)

1. A solder consisting essentially of:

	Per cent
Silver	10 to 15
Cadmium	10 to 15
Copper	55 to 70
Zinc	7 to 12
Sodium	0.05 to 1.0
Phosphorus	0.04 to 1.5

the amount of impurities being insufficient to alter the essential properties of the alloy.

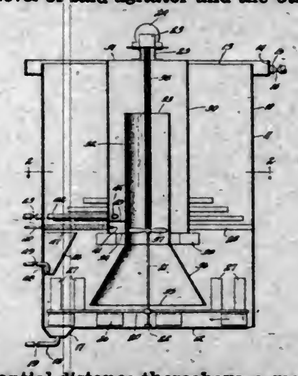
2,355,068
METERING DEVICE FOR X-RAY APPARATUS
Edward B. Graves, South Euclid, Ohio, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 27, 1942, Serial No. 436,472
2 Claims. (Cl. 250—93)



1. In an electrical circuit for operating X-ray tubes employing a high tension transformer for supplying tube voltage and wherein the energizing circuit for the primary of said transformer is provided with a series of predetermined fixed settings for selecting various tube voltages, including settings for the minimum and maximum primary votages corresponding to the lowest and highest kilovoltages impressed upon the tube when in use, the combination of a voltmeter connected across said transformer primary energizing circuit and sensitive to the voltage impressed upon said primary, means for applying directly from its source to said voltmeter a constant bucking voltage substantially equal to said minimum primary voltage and independent of said transformer primary voltage, means energizing said last named means simultaneously with the energizing of the primary of said transformer, said voltmeter having electrical constants providing movement of its pointer over the full scale length for variation in voltage over the full range between said maximum primary voltage and said maximum primary voltage decreased by said constant bucking voltage and having scale indications varying from the maximum to the minimum kilovolts actually applicable to the tube by various selections of said settings, whereby said voltmeter responds to the difference between the energizing primary voltage and said bucking voltage but indicates the actual operating kilovoltage effective upon the tube, with the spacings between scale indicia thereby extended.

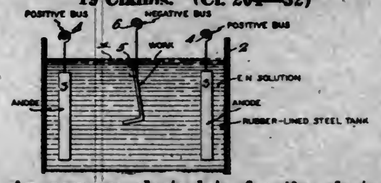
2,355,069
LIQUID TREATING APPARATUS AND PROCESS
Walter H. Green, Chicago, Ill., assignor to Infilco Incorporated, a corporation of Delaware
Application August 13, 1941, Serial No. 406,594
20 Claims. (Cl. 210—16)

1. Water treating apparatus comprising a tank, an agitator in the lower part of said tank mounted for rotation in a horizontal plane, said agitator extending substantially across the floor of said tank, means to rotate said agitator, an upwardly extending partition structure in said tank, separating therein a vertically extending mixing and reaction chamber centrally disposed within said tank above said agitator from a quiescent clear water space in the upper portion of said tank, an inlet opening into said chamber from said tank, an outlet opening from said chamber into said tank, one of said openings being adjacent to the level of said agitator and the other spaced



a substantial distance thereabove, a mechanically driven stream projecting impeller within the mixing chamber so constructed and arranged as to cause a flow of liquid through said chamber from said inlet to said outlet, horizontally extending vertical baffle means in said tank between said partition structure and the walls of said tank spaced at a level above said agitator, inlet means for liquid to be treated and a treating reagent discharging into the mixing and reaction chamber, a treated liquid outlet leading from the upper part of said tank and a solids outlet leading from the lower portion of said tank.

2,355,070
ELECTROLYTIC DEPOSITION OF METAL
Charles G. Harford, Quincy, Mass., assignor to Arthur D. Little, Inc., a corporation of Massachusetts
Application July 3, 1937, Serial No. 151,854
19 Claims. (Cl. 204—52)



1. An aqueous electrolyte for the electrolytic deposition of metals, characterized by consisting essentially of a metal having an atomic structure presenting an incomplete outer electron shell, upon ionization, and a hydrocarbon alkyl diamine.

2,355,071
SLIVER CAN MOTION
Fred K. Hendrickson, Worcester, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application March 9, 1942, Serial No. 433,946
8 Claims. (Cl. 19—159)

1. Means for feeding slivers in circular paths, in combination with apparatus for giving motion to associated sliver cans comprising an elongated can-supporting table, means to locate a plurality of cans on said table, and motion-imparting means engaging said table at a plurality of spaced points and effective to give said

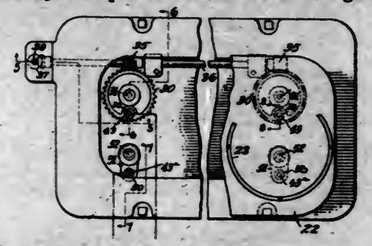
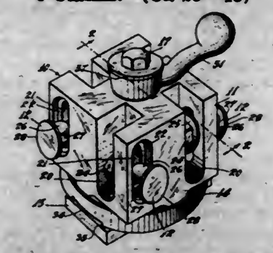


table as a unit a single continuous horizontal movement at uniform speed and in a closed and accurately circular path eccentric to every can and while maintaining the longitudinal axis of the table at all times parallel to its original position.

2,355,072
MULTIPLE TOOLHOLDER FOR LATHES
John A. Honegger, Bloomfield, N. J., assignor to Specialties Manufacturing Company, Inc., Bloomfield, N. J., a corporation of Delaware
Application September 16, 1942, Serial No. 458,520
5 Claims. (Cl. 29—48)

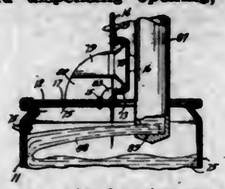


1. A lathe attachment of the class described, comprising a solid unitary tetragonal tool carrier having one vertical slot on each side thereof adjacent each corner and a second vertical slot adjacent each of said corners on the other side thereof intersecting said first slot, a tool clamp removably secured in each of said first named slots for vertical and rotative adjustment extending into said second named slot, fastening means for said clamp in said second named slot, means for rotatably mounting said carrier secured thereto, and supporting means for said attachment.

2,355,073
METHOD OF PACKAGING MILK
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Original application June 25, 1935, Serial No. 28,369. Divided and this application February 21, 1939, Serial No. 257,764
2 Claims. (Cl. 226—75)

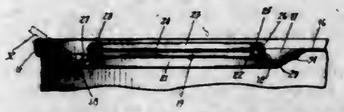
1. In a method of packaging beverages under sanitary conditions in hermetically sealed empty fibre containers, each provided with a dispensing opening having a hingedly secured closure element thereon, which containers have been previously exteriorly and interiorly coated and rendered liquid and germ proof as well as internally sterile by previous treatments: the steps of breaking the hermetic seal of a said container

and hinging to open position said closure element, filling the container with a beverage through said dispensing opening, closing said



dispensing opening by hinging said closure element into closed position, and finally shaping said closure element to seal and lock the same in place on said filled container.

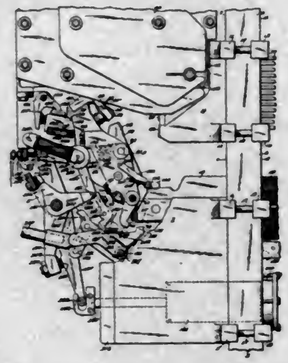
2,355,074
CONTAINER CLOSURE
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 30, 1939, Serial No. 311,882
1 Claim. (Cl. 220—31)



A pry open hinge cover container, comprising a tubular body having a top end member secured thereto in a double seamed joint, said end member having an annular channel defined by a downwardly and inwardly sloping integral wall portion merging into a substantially horizontal wall part in turn merging into an upstanding friction wall terminating in an inwardly curled annular bead surrounding a dispensing opening in the end member, a substantially crescent shaped upstanding integral panel portion in said end member partially surrounding said dispensing opening for reenforcing and rigidifying the friction wall surrounding the opening, and a captive cover member for said opening having an integral tab fixedly secured within said end member channel to constitute a permanent hinge connection with said top end member, said cover having an annular channel defined by a central depressed panel part and an outer depending friction wall flange having an exterior drive fit friction engagement with the upstanding friction wall of said end member and terminating in an outwardly and upwardly curled bead disposed within said end member channel and spaced above the horizontal wall part thereof, whereby said cover may be released from closed position by inserting the end of a prying instrument into said end member channel beneath said cover bead, and a gasket sealing material disposed in said cover channel in engagement with said inwardly curled end member bead for hermetically sealing the dispensing opening when said cover is in closed drive fit position on said end member friction wall.

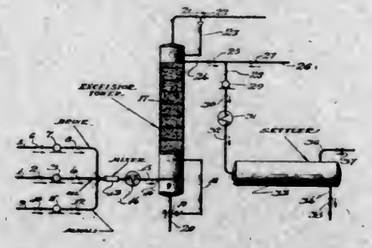
2,355,075
CIRCUIT BREAKER OPERATING MECHANISM
Otto Jensen, Glenside, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 15, 1941, Serial No. 374,414
8 Claims. (Cl. 200—89)

1. In a circuit breaker operating mechanism, a pivoted switch member biased toward open circuit position, a lever for moving said switch member to closed circuit position; a single toggle mechanism for operating said switch member to closed position against its bias, said single toggle comprising a collapsible thrust transmitting mechanism comprising a first link having one end pivotally mounted on said switch member, a second link having one end pivoted to said lever, the other ends of said two links being pivoted together, said first and second links being substantially in a straight line but below the



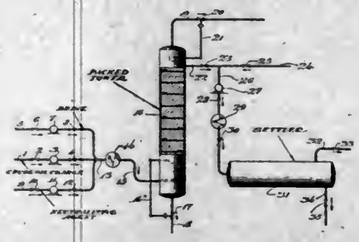
center to center line from the pivot points of said first and second links while said lever transmits power therethrough to operate said switch member to closed position, and a third link connected at one end to the common pivot of said first two links; said third link extending almost at right angles to said first two links; the other end of said third link being connected to a releasably supported pivot; the distance from said common pivot point to the center-to-center line being controlled by said third link in accordance with said bias on said switch member.

2,355,076
TREATMENT OF HYDROCARBONS
Harley R. Johnson, Tulsa, Okla.
Application October 17, 1941, Serial No. 415,380
7 Claims. (Cl. 252—325)



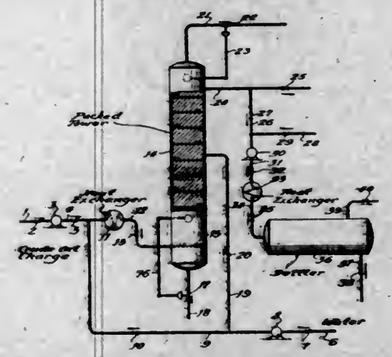
1. A process for desalting crude hydrocarbon oil which comprises treating said oil with brine solution maintained substantially at the neutral point at a temperature above about 150° F., contacting the oil with a filtering material comprising essentially wood, thereafter treating the oil with water at a superatmospheric temperature above that used in the brine treatment and at a pressure adequate to maintain the system in substantially liquid phase, and separating the desalted crude oil from the water.

2,355,077
TREATMENT OF HYDROCARBONS
Harley R. Johnson, Tulsa, Okla.
Application October 17, 1941, Serial No. 415,381
9 Claims. (Cl. 252—324)



1. A process for desalting crude petroleum oil which comprises treating said oil with a brine solution maintained at substantially the neutral point at a temperature above about 150° F., passing the oil through a filtering bed of porous material which will not disintegrate upon contact with the water or oil under the conditions of treatment, treating the filtered oil with water at a temperature above that used in the brine treatment and at a pressure adequate to prevent substantial vaporization, and separating the desalted oil.

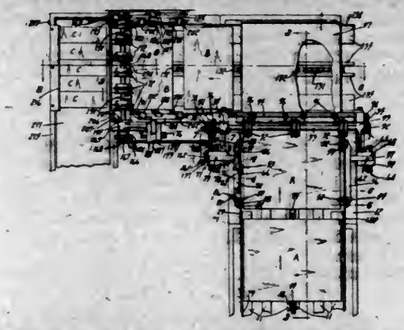
2,355,078
TREATMENT OF HYDROCARBONS
Harley R. Johnson, Tulsa, Okla.
Application November 1, 1943, Serial No. 508,498
6 Claims. (Cl. 252—322)



1. In a process for the desalting of oil, the steps which comprise treating the oil with a brine solution at an elevated temperature not in excess of about 200° F., separating the oil from the brine solution, and contacting the oil substantially free of brine with a porous filtering material which will not disintegrate under the conditions of treatment and which is maintained in a wet condition.

2,355,079
SHEET SLITTING MACHINE
Lyman L. Jones, Seattle, Wash., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 25, 1942, Serial No. 432,353
9 Claims. (Cl. 164—61)

9. A sheet edge trimming machine structure as defined in claim 8 in which the single gage element which intermediately opposes the two longitudinally spaced gage elements is yieldably



mounted so as to be displaceable by such out-of-square sheet.

2,355,080
BURNER
John N. Junkins, near Sheffield, Ala., assignor to Tennessee Valley Authority, a corporation of the United States of America
Application August 4, 1940, Serial No. 351,427
1 Claim. (Cl. 299—114)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



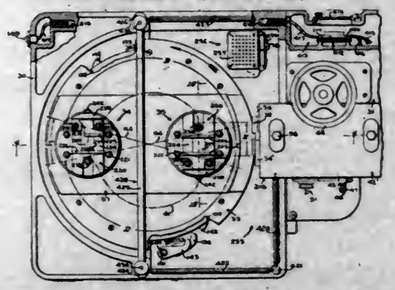
A method of controlling the rate of flow of a fluid stream through a constricted orifice which comprises (*a*) supplying fluid to said orifice under substantially constant pressure, (*b*) maintaining a concentric confluent vortical stream of pressure fluid around said constricted orifice at a pressure in excess of said constant pressure whereby the rate of flow of said fluid stream varies inversely with variation in the pressure of said stream of pressure fluid, and (*c*) adjusting the pressure of said stream of pressure fluid to provide a desired rate of flow of said fluid stream.

2,355,081
PREPARATION OF A PHOSPHATIDE COMPOSITION
Percy L. Julian, Maywood, and Edwin W. Meyer, Evanston, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 25, 1941, Serial No. 403,992
20 Claims. (Cl. 252—1)

1. In the preparation of a phosphatide composition the step comprising mixing a dry vegetable

phosphatide-glyceride oil composition with a small amount of an acid selected from the class consisting of concentrated phosphoric acid and glycerol phosphoric acid to thoroughly incorporate the acid throughout the mass in an amount sufficient to increase the solubility of the phosphatide in the oil.

2,355,082
MACHINE TOOL
Edward J. Kearney, deceased, late of Wauwatosa, Wis., by Otto W. Carpenter, Jr., special administrator, Fox Point, Wis.; Joseph B. Armitage, Wauwatosa, Wis., and Walter M. Pohl, Washington, D. C., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application June 9, 1938, Serial No. 212,704
23 Claims. (Cl. 90—20)

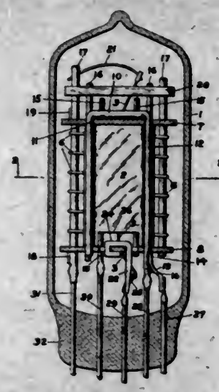


5. In a milling machine comprising a base, a tool carrying spindle rotatably supported by said base, and a work carrying table movably mounted on said base in cooperative relationship with said spindle; the combination with an electric motor operatively connected to drive said work carrying table, of a starting switch arranged to selectively energize said motor for operation in forward direction, a reversing switch arranged to energize said motor for operation in reverse direction, means to close said starting switch to initiate movement of said work carrying table, means to stop said work carrying table suddenly including a control element operatively connected to open said starting switch and to close said reverse switch thereby energizing said motor for operation in reverse direction, and a disconnecting switch responsive to reverse rotation of said motor to de-energize it upon reversal thereof, whereby said work carrying table may be stopped substantially instantaneously upon actuating said stopping control element.

15. In a machine tool, a supporting frame, a cutting tool associated with said frame, a supporting member arranged to be revolved bodily about an axis fixed relative to said frame, said member having limited freedom of movement relative to said axis, and guiding means carried by said frame and adapted to guide said member as it revolves bodily in manner to cause it to follow a predetermined non-concentric path through the cutting zone of said tool.

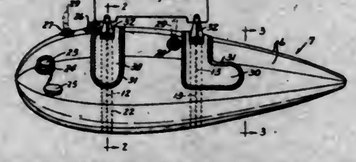
2,355,083
ELECTRODE ASSEMBLY FOR DISCHARGE TUBES
Norman B. Krim, Cambridge, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 3, 1941, Serial No. 373,006
9 Claims. (Cl. 250—27.5)

7. An electrical space discharge tube comprising an insulating spacer, a relatively extended electrode closely adjacent said spacer, a conducting fastening member secured to said insulating spacer and lying substantially in the plane of



said electrode, said electrode being provided with an opening adjacent said fastening member whereby said fastening member projects into said opening and is insulated from said electrode.

2,355,084
COLLAPSIBLE FUEL TANK
Christian Kurrie, Dayton, Ohio
Application May 5, 1943, Serial No. 485,723
3 Claims. (Cl. 150—0.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An auxiliary fuel tank for airplanes comprising a streamlined, hollow body made entirely of longitudinally extending gores of cotton duck or similar heavy, porous, textile material, sewed together along their longitudinal edges with the seams projecting inwardly to form longitudinal ribs; bulkheads secured inside the body; said bulkheads being of the same material as the body and having perforations for passage of the fuel and reinforcing lateral ribs also of the same material; the entire body including the longitudinal ribs, the bulkheads, and the lateral ribs being stiffened and sealed by a resinous, waterproof glue which is neutral to aromatic fuels; the stiffness being such that the tank maintains its original shape when partly empty and subjected to the aerodynamic forces arising during flight.

2,355,085
FUSE CLAMPING MEANS
Edwin W. Landmeier, Covington, Ky., assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky., a corporation of Kentucky
Application September 15, 1941, Serial No. 410,809
18 Claims. (Cl. 200—134)

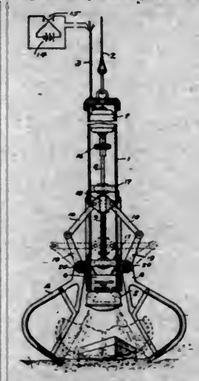
1. A fuse clamp comprising a contact member, means to support a fuse terminal member with respect to the contact member so that an edge

only of either of said members seats against a surface of the other of said members, and screw pressure clamping means for binding the seating



portions of said members in uniform positive pressure line contact, the remainder of said members being exposed and free of mutual contact.

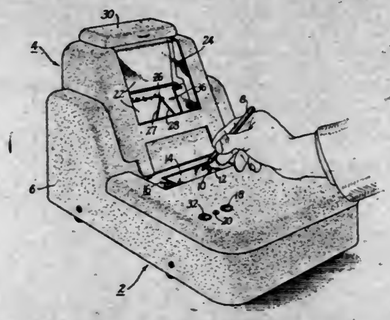
2,355,086
MARINE SALVAGE DEVICE
Walter B. Lang, Washington, D. C.
Application October 27, 1943, Serial No. 507,912
1 Claim. (Cl. 294—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a marine salvage or exploration device, the combination comprising an elongated casing, a cooperating pair of jaws hingedly secured adjacent one end thereof, a pair of arms attached to said jaws and adapted to open and close the same, a pair of links hingedly connected at their lower ends to said pair of arms and adapted to actuate said arms, a threaded collar positioned inside said casing and hingedly connected to each link, a threaded shaft positioned in said casing in engagement with said collar and adapted to raise and lower the collar, a remotely-controlled reversible electric motor in the upper portion of the casing connected to said threaded shaft, a television transmitter, positioned at the lower end of said casing, to transmit an image of an object within the pair of jaws, a water-tight housing for said transmitter, a lift cable for supporting the casing, a source of electric power, a water-proof electric cable for conveying power to said motor, and a television receiver positioned at a distant station for observing an object within the range of the jaws.

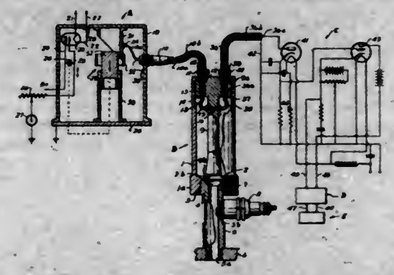
2,355,087
TELESCRIBER
Wallace A. Lauder, Closter, and Edward F. Cahoon, Tenafly, N. J., assignors to Telautograph Corporation, New York, N. Y., a corporation of Virginia
Application August 2, 1941, Serial No. 405,226
25 Claims. (Cl. 178—19)

1. In a telescriber adapted to make a record on a strip of record material, the combination of, a record strip, means for moving said record strip in increments in a given direction, two rotary telescriber elements, first and second levers each secured to the rotary portions of one of said telescriber elements and extending approximately in a direction opposite to the direction of motion of said strip, third and fourth levers pivotally connected to the free ends of said first and second levers, respectively, and extending therefrom generally in the direction of movement of



said strip, means pivotally joining their free ends, and graphic-character tracing means operatively connected to said pivotal means, whereby the portion of said record strip immediately ahead of the most advanced point in the direction of movement of said strip reached by said tracing means during operation of said telescriber may be inspected without being obstructed by said levers and may be easily removed from the telescriber without interference from said levers.

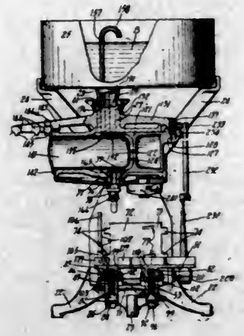
2,355,088
PRESSURE INDICATOR
Stephen D. Lavoie, Long Branch, N. J.
Application August 25, 1942, Serial No. 456,035
5 Claims. (Cl. 178—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In pressure translating means of the class described, in combination, a resonant electrical circuit comprising a cylindrical housing element, a pressure responsive diaphragm associated therewith, a capacity element mounted within said housing and having a part engaging said housing in direct electrical contact therewith, said capacity element also having a part spaced from said housing within the same and capacitively and inductively associated therewith [illegible] end of said latter part being positioned a[illegible] to but spaced from said diaphragm in capacitive relation thereto, the first mentioned part of said capacity element comprising a head having a diameter corresponding substantially with the inner diameter of said housing and associated

therewith, a plurality of insulated passages through said head, an input conductor extending through one of said passages and conductively associated with the second mentioned part, and an output conductor extending through the other of said passages and conductively associated with said second mentioned part.

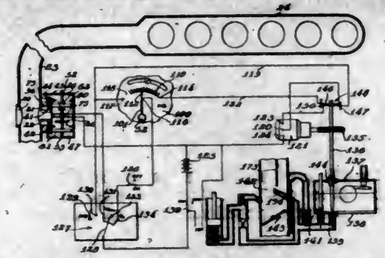
2,355,089
CAN FILLING MACHINE
John D. Le Frank, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 4, 1941, Serial No. 409,578
11 Claims. (Cl. 226—128)



1. An apparatus for filling liquid into positioned containers of varying heights, comprising a reservoir for holding a supply of liquid, a cylinder enclosing a measuring chamber for receiving liquid from said reservoir, a rotary valve in said measuring chamber for opening communication with said reservoir to withdraw a predetermined quantity of liquid from the reservoir supply, a platform located beneath said cylinder for supporting a container to be filled, actuating devices made effective upon the placing of a container in proper position on said platform for rotating said valve to transfer the measured charge of liquid into the container on said platform, and means for securing said platform in a plurality of spaced vertical positions relative to said measuring chamber to maintain the top of a selected container at a uniform distance beneath said chamber.

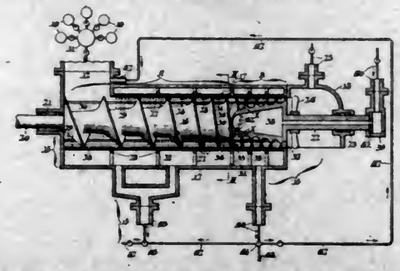
2,355,090
INTERNAL-COMBUSTION ENGINE
John T. Love and Abe Lawrence Hoffman, Chicago, Ill.
Application April 6, 1939, Serial No. 266,240
20 Claims. (Cl. 123—119)

1. An internal combustion engine comprising a combustion chamber subjected to varying work conditions and to varying atmospheric conditions, means for supplying a mixture of fuel and air to the chamber, means for mixing a portion of the exhaust gases from the combustion chamber with air, means for igniting the exhaust gases and air and reburning them to produce heat, means for measuring the temperature of the gas and air mixture before and after burning to register a temperature differential including thermostats subjected to engine vibration and mechanically cooperating with each other, and



means controlled in relation to the temperature differential registered for controlling the fuel and air mixture.

2,355,091
APPARATUS FOR THE TREATMENT AND REMOVAL OF CHEMICALS FROM COOKED OR DIGESTED FIBER PULP
Manuel C. McDonald, Monroe, La., assignor to The Brown Paper Mill Company, Inc., Monroe, La., a corporation of Delaware
Application March 16, 1939, Serial No. 262,160
5 Claims. (Cl. 68—21)

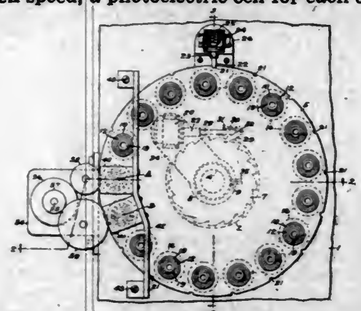


1. In a device of the class described, the combination of a tubular perforate housing, a pressing screw rotatable therein for propelling and pressing material fed into said housing, said screw having an extension on its delivery end provided with a continuation of the thread of said screw, the receiving portion of the thread on the extension being deeper than the delivery portion of the thread on the pressing screw, said delivery and receiving thread portions being connected by a wall portion at the bottoms thereof which is offset relative to the normal continuation of said thread portions, said extension being provided with an internal passageway and a port connecting said passageway with said offset wall portion for delivering fluid from said passageway to pressed material in its travel from said pressing screw to said extension.

2,355,092
MACHINE FOR TESTING ARTICLES HAVING PARTS SUBJECT TO CENTRIFUGAL ACTION
Leo Meister, Irvington, N. J.
Application October 15, 1942, Serial No. 462,195
2 Claims. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

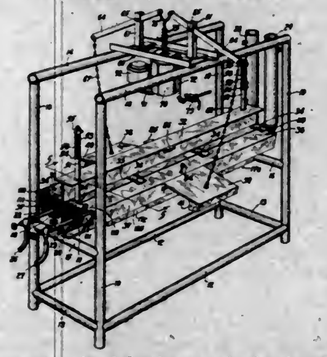
1. A machine for testing articles which have a passage through which light may pass when the said articles are rotated at sufficient speed, the said machine comprising conveying means for

moving the said articles in succession to two stations, means for rotating an article at one of said stations at a chosen speed and for rotating said article at the other of said stations at a different chosen speed, a photoelectric cell for each of said



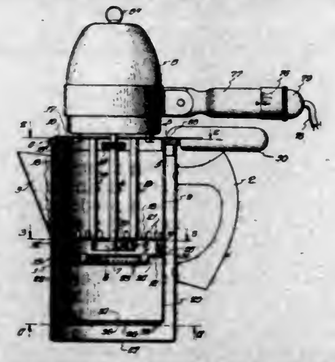
stations for receiving light which may pass through said passage in the article rotating at each of said stations, means for introducing light into said passage at each of said stations, and driving means for said conveying means under control of both of said photoelectric cells.

2,355,093
MACHINE FOR PRESS FORMING SHEETLIKE ARTICLES
Samuel H. Miller, Cleveland, Gordon L. Jenkins, Lakewood, and Frederick T. McGuire, Jr., Shaker Heights, Ohio, assignors to Industrial Fabricators Inc., Cleveland, Ohio, a corporation of Ohio
Application November 18, 1942, Serial No. 466,078
2 Claims. (Cl. 144—257)



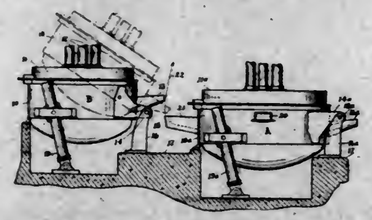
1. Apparatus for bending work sheets of woodlike material to channel form, comprising a frame, an elongated bed supported thereby, and having convexly curved, spaced, parallel side forming portions, heating means therefor, said bed being adapted to receive and support a work sheet with its side edges extending outwardly beyond said curved side forming portions, a forming head mounted in the frame for vertical movement above said bed and including an elongated platen having a work confining surface of approximately the same width as the space between the side portions of the bed, and a swinging bender hinged to each side edge of the platen and provided with an elongated narrow abutment lying outwardly beyond the adjacent forming portion of the bed, the platen and the benders being relatively of such weight and the arrangement being such that when the forming head is lowered upon a moistened work sheet lying upon the bed the weight of the two benders at first arches the middle portion of the sheet and holds the sheet applied to the heated bed along two lines and then progressively bends the outer edge portions of the sheet downwardly to conform them to the curved forming portions of the bed while the middle of the sheet relaxes to flat form.

2,355,094
APPARATUS FOR MAKING BEVERAGES
Emmett B. Moore, Evanston, Ill.
Application September 21, 1940, Serial No. 357,772
5 Claims. (Cl. 99—302)



1. In combination, a receptacle for liquid, a rotary impeller, a stationary housing for the impeller having an inlet opening in its top wall and a detachable bottom formed with a plurality of small outlets, means removably supporting the impeller and its housing in the receptacle, and a stationary vessel detachably supported on said housing and below it to receive liquid discharged from said outlets, said vessel having a pervious outlet spaced above the bottom of the receptacle.

2,355,095
METALLURGICAL APPARATUS
William E. Moore, Pittsburgh, Pa.
Application August 16, 1943, Serial No. 498,751
4 Claims. (Cl. 13—10)



1. A metallurgical apparatus comprising two electric furnaces arranged in tandem, a pouring spout at the forward end of each of said furnaces, and a pivotal support at the forward end of each furnace, the pivot points for both furnaces being above work floor level, with the pivot point for the first furnaces above the level of the spout, whereby the center of gravity of the first furnace is below its pivot point, the second furnace having its pivot point below the spout, whereby the second furnace stands at higher elevation than the first furnace and the pouring spout of the second furnace moves closer to the first furnace when the rear end of said sec-

ond furnace is elevated, the first furnace having a rearwardly extending spout over which the spout of the second furnace moves when said second furnace is so tilted.

2,355,096
CONDUIT SUPPORTING CLIP
Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application February 15, 1943, Serial No. 476,003
9 Claims. (Cl. 248—74)



9. In a clip for supporting a conduit in aircraft, a conduit-embracing strap having opposed ends adapted to be moved into a predetermined position to clamp the strap on the conduit, a clasp pivoted on one of said ends and adapted to embrace a structural part of an aircraft to support the strap thereon, a latch hook arranged on said pivoted clasp for engaging the other of said ends and holding the ends in said predetermined position, and cooperating members on said hook and said other end for holding the hook on the latter during adjustment of the hook.

2,355,097
OAT EXTRACT USEFUL FOR ADDITION TO FOODS FOR ANTIOXIDANT AND OTHER PURPOSES
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 8, 1941, Serial No. 373,608
10 Claims. (Cl. 99—150)

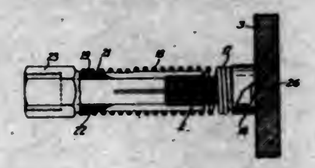
1. A method of making an antioxidant which comprises extracting an oat product with water, adding to the extract a low molecular weight aliphatic alcohol and then removing the insoluble material.

10. A method of retarding oxidative deterioration of food products normally subject thereto, which comprises extracting oats with water and then adding to the extract thereby obtained a low molecular weight aliphatic alcohol and removing the insoluble material, and then adding a small quantity of such extract after treatment with the alcohol to a food product normally subject to oxidative deterioration.

2,355,098
PROCESSING CORN
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application February 18, 1941, Serial No. 379,441
12 Claims. (Cl. 252—398)

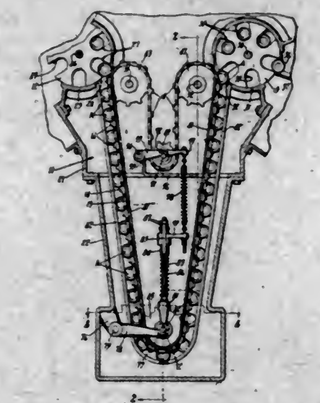
1. A method of making a corn extract useful for addition to food products which comprises extracting whole corn with water and then purifying the extract with an organic solvent selected from the group of the lower molecular weight aliphatic hydroxy compounds.

2,355,099
MEANS FOR WELDING STUDS
Edward F. Nelson, San Leandro, Calif.
Application November 12, 1942, Serial No. 465,397
6 Claims. (Cl. 219—17)



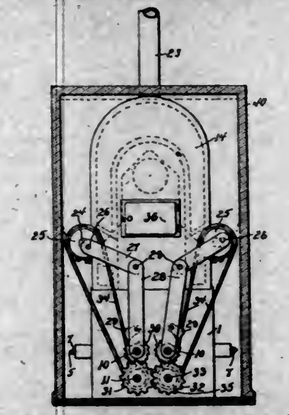
6. In a machine for welding a stud to a plate and including a chuck to hold the stud, a ferrule closely surrounding the stud and slidable thereon to seat against the plate about the welding end of the stud, and a spring interposed between the chuck and the ferrule to press the ferrule against the plate.

2,355,100
CONVEYER
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 10, 1941, Serial No. 422,434
5 Claims. (Cl. 198—103)



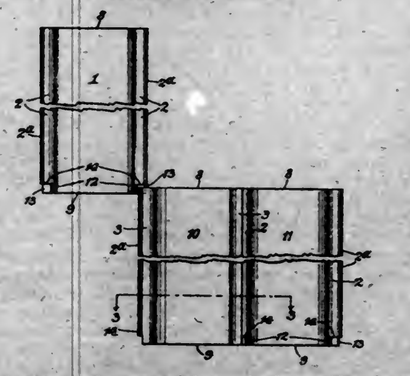
1. In a conveyer mechanism, the combination of a pair of spaced rotary chamber sealing valves each having peripheral pockets thereon for delivering containers to and discharging the containers from a single intermediately disposed endless conveyer having spaced flights thereon successively movable to adjacent the pockets of said valves for carrying containers received from said delivery valve, said valves each having an independent conveyer sprocket member disposed adjacent thereto for movably supporting said conveyer between said valves, a single power shaft for directly driving said conveyer sprocket members and said valves in timed relation to maintain said conveyer flights in successive registry with the peripheral valve pockets, and a spring tension controlled tightener device connected to spaced portions of said conveyer for continuously maintaining the latter taut without disturbing the timed relation of said conveyer with the rotary movement of said delivery and discharge valves.

2,355,101
AUTOMATIC STOKER
Joseph T. Norman, Huntington Mills, Pa., assignor to Edith J. Norman, Huntington Mills, Pa.
Application August 12, 1940, Serial No. 352,330
16 Claims. (Cl. 110—35)



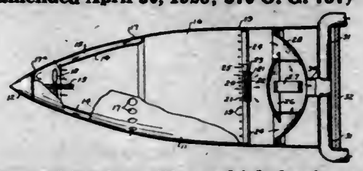
1. In apparatus of the class described, a body enclosing a fire chamber having end and side walls, approximately upright grates extending along said side walls, spirally grooved rotary grates extending between said end walls and located between the lower portions of said upright grates, coal ducts located at the outer sides of said body above said grates with their axes extending in the same general direction as the rotary grates, said coal ducts having side coal-feed openings extending the length of the fire chamber for delivering coal into the fire chamber, coal conveyor shafts having coal feeding and pushing means located in said ducts for conveying the coal along said ducts and forcing it into the side coal feed openings and into the fire and forcing the ashes down into the grates, and means to impart rotation to said coal conveyor shafts and to said rotary grates in timed relation to each other for purposes described.

2,355,102
SHEET PILING AND THE PROCESS OF ASSEMBLING THE SAME
Ogden R. Odman, Elmwood Park, Ill.
Application October 15, 1942, Serial No. 462,107
5 Claims. (Cl. 61—60)



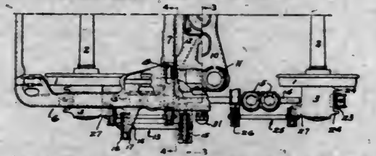
1. A sheet pile comprising a body portion having two interlocking members at one edge thereof integral with said body portion and extending longitudinally therealong one of the interlocking members extending the full length of the body portion and the other interlocking member being shorter than said first mentioned member so that a side face of the longer interlocking member is exposed and not obstructed by the end of the shorter interlocking member.

2,355,103
APPARATUS FOR REDUCING FIRE HAZARD OF ENGINE COMPARTMENTS
Charles D. Otto and James A. McDonnell, New York, N. Y.
Application November 27, 1943, Serial No. 511,926
5 Claims. (Cl. 180—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



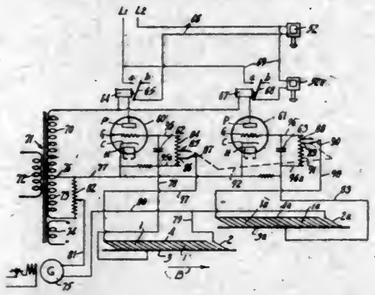
1. In combination with a vehicle having a body and an engine for propelling the body, a plurality of air intake ports; means to guide the air passing through the ports to an area in front of the engine; the body having a compartment which surrounds the engine and is completely closed except for the air intake area at one end of the compartment and an air exit at the other end; a fire-arresting device at the air exit end of the compartment; and venting means joined to the fire-arresting device and discharging air, gases and flames directed against the fire-arresting device at a safe point to the rear of the vehicle.

2,355,104
RAILWAY TRUCK STRUCTURE
Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application March 25, 1942, Serial No. 436,181
7 Claims. (Cl. 105—190)



3. In a railway truck, a frame and another truck part movable relative to each other transversely of the truck, a rigid member extending longitudinally of the truck and terminating at each end in a pair of substantially flat collars spaced part longitudinally of the truck, a rigid substantially flat element of said truck part extending between one pair of said collars, a rigid substantially flat element of said frame extending between the other pair of said collars, and a substantially flat rubber pad between each of said collars and the adjacent element, said member and pads transmitting forces exerted longitudinally of the member between the frame and truck part and yieldingly relative movement of said frame and truck part laterally of the member, the rubber pads being of general rectangular shape transversely of the rigid member with their greater length disposed transversely of the member in one direction and with their shorter width disposed vertically of the member in another direction.

2,355,105
FOLDING AND STACKING MACHINE AND CONTROL THEREFOR
John E. Preston, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application July 30, 1942, Serial No. 452,827
12 Claims. (Cl. 270—80)



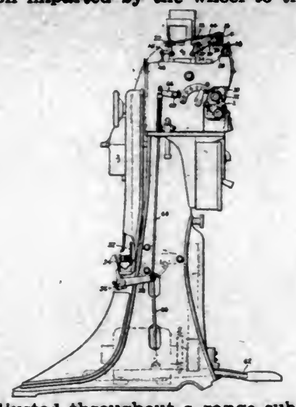
9. Apparatus for performing an operation with respect to an article, comprising a reciprocating device for performing such operation, means for producing travel of an article across the path of movement of said device, two independent charged capacitances, two independent control means located and arranged to be controlled by article travel, each thereof being operatively associated with one of said capacitances for initiating discharge thereof, means rendered effective by discharge of one capacitance and operatively associated with said device for causing its movement in one direction, and means rendered effective by discharge of the other capacitance and operatively associated with said device for causing its movement in the opposite direction.

2,355,106
LUBRICATING COMPOSITION
Carl F. Prutton, East Cleveland, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application September 11, 1940, Serial No. 356,357
11 Claims. (Cl. 252—48)

1. A lubricating composition comprising an organic compound containing phosphorus, sulfur and halogen.

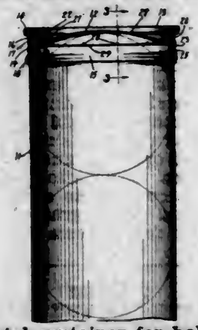
2,355,107
SHOE SEWING MACHINE
Edward Quinn, Malden, and Leonard S. Curtin, Belmont, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 7, 1941, Serial No. 382,184
16 Claims. (Cl. 112—59)

1. A shoe sewing and lasting machine in which the tension on the thread assists in the lasting operations having, in combination, stitch forming devices including a needle, a wax pot, a thread tension wheel disposed between the wax pot and the stitch forming devices, an adjustable friction brake acting on the tension wheel, thread guides for directing the thread into overlapping relation along a substantial portion of the wheel periphery when wrapped entirely around the wheel, and means for supporting the tension wheel for rotation arranged for movement relative to the thread guides to enable the degree of tension imparted by the wheel to the thread



to be adjusted throughout a range substantially greater than that obtainable by adjustment of the friction brake alone.

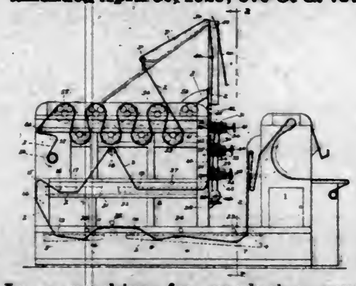
2,355,108
CONTAINER
Garland W. Reese, Chappaqua, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 4, 1940, Serial No. 355,400
1 Claim. (Cl. 220—54)



A sheet metal container for holding and preserving tennis balls, comprising a tubular body having oppositely disposed end members and an outwardly extending bead located adjacent a top end thereof, the wall of the body above the said bead being of greater diameter than the body wall below the bead, an annular internal collar fitted within the larger diameter of the body, the internal diameter of said collar being equal to the internal diameter of the body below said bead and also substantially equal to the diameter of the enclosed tennis balls, the lower edge of said collar having an outwardly extended bead seated in tight fitting engagement with the said body bead to secure the collar within the body, the upper edge of said collar having an internally hemmed flange to provide a smooth mouth for the container, a tearing strip defined by spaced score lines disposed in the enlarged section of said body just above said body bead and outside of said collar for opening the container, said end members being secured to the upper and lower ends of the body, said top end member having a countersunk wall fitting within the mouth of the container and frictionally engaging said upper hemmed collar

flange and having a portion extending therebelow, said portion having spaced outwardly extending projections engaging beneath said collar flange, said end members having outwardly domed panels for engaging the outermost of the enclosed tennis balls to prevent shifting of the balls within the container, said top end member after removal of said tearing strip in the opening of the container constituting a reclosure engageable with said collar in reclosing position, said top end member when in reclosing position being in the same relative position within the opened container as the position it occupied in the closed container, so that the domed panels of said end members again hold the replaced tennis balls against longitudinal shifting within the container.

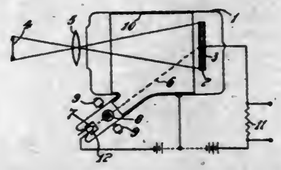
2,355,109
REPRODUCING MACHINE
Elmer P. Riddick, Norfolk, Va.
Application August 23, 1943, Serial No. 499,652
7 Claims. (Cl. 95—94)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine for producing continuous printed and developed sensitized tracing cloth a washing, developing, and drying unit having a frame and preliminary washing developing and subsequent washing means, a vertically disposed wash plate on the front of the unit frame, a plurality of lower adjustable horizontally mounted revolvable scrubbing brushes mounted on the front of the unit frame for scrubbing the cloth subsequent to the action of the last-mentioned washing means, a transversely positioned pipe mounted on the unit frame, adapted to spray chemical reducer fluid on the ascending portion of the cloth being treated, an upper adjustable horizontally mounted revolvable scrubbing brush mounted on the front of the unit frame, for scrubbing the chemical from the cloth subsequently to the action of the chemical carrying pipe, means for revolving all the scrubbing brushes, a water spray pipe near the top of the wash plate, for finally washing all the chemical and residue from the cloth, means for finally drying the latter and winding the same in continuous form on a final winding roller, and means for advancing the cloth through the washing, developing and drying unit.

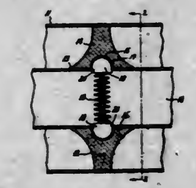
2,355,110
TELEVISION TRANSMISSION SYSTEM
Adolph Henry Rosenthal, New York, N. Y., assignor, by mesne assignments, to Scophony Corporation of America, New York, N. Y., a corporation of Delaware
Application February 23, 1939, Serial No. 258,069
In Great Britain February 25, 1938
17 Claims. (Cl. 178—7.2)

1. In a television transmitter an image screen of a material of the type in which the internal energy can be raised to a high level by the influence of an exciting radiation and returned to a low level by the action of a quenching radiation, means for subjecting said screen to the influence of exciting and quenching radiations, said means comprising means for utilizing one of said radiations to form an image of the object to be transmitted on said image screen and being adapted to maintain the intensity of the image-forming radiation within that range of intensities for which the electrical energy contained in any volume element of said image screen is caused, by said image forming radiation, to differ from a fixed datum level by an amount depending on the intensity of the radiation, said first



mentioned means further comprising focussing and deflecting means for utilizing the other of said radiations to form a scanning beam, and means for maintaining the intensity of said other radiation within that range of intensities for which the electrical energy contained in any volume element of said image screen is caused, when struck by said scanning beam, to return to said datum level, and a signal plate associated with said image screen and serving as one electrode of an electric field in which said image screen is situated, said signal plate being adapted to be connected to an external circuit so that said return will be accompanied by a flow of current in said circuit.

2,355,111
TRANSMISSION LINE SPACER
Charles L. Renault, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 14, 1942, Serial No. 442,895
1 Claim. (Cl. 174—28)



In combination, a conductor having a hole transversely therethrough, a tubular conductor concentric therewith, means for supporting said first conductor concentrically within said tubular conductor comprising an annular insulator having a surface fitting closely around said first conductor, said insulator having a semi-toroidal recess in said surface, locking means for permanently maintaining said insulator in fixed position along said inner conductor comprising a pair of metallic members in said hole, each of said members having a shape whose cross-section conforms to the cross-section of said recess and is larger than said recess, means for pressing said members partly out of opposite ends of said hole and into said recess in said insulator, said metallic members remaining partly in said

hole and thereby preventing relative movement between said insulator and said inner conductor, and a conductive coating on the walls of said recess effective to distribute electrical stress uniformly through said surface, the shape of said insulator being such that energy loss per unit volume therewithin is substantially uniform to reduce the likelihood of breakage.

2,355,112
BELT SPLICING MECHANISM
George Arthur Schieren, Great Neck, N. Y., assignor to Chas. A. Schieren Company, New York, N. Y., a corporation of New York
Application June 17, 1943, Serial No. 491,124
4 Claims. (Cl. 69—20)



1. Apparatus of the character described comprising a member having an opening therein, a plurality of the walls of the opening being spaced from each other and arranged at angles to each other substantially equal to the spacing and angles of a plurality of the faces of a belt to be received therein and adapted to contact with a plurality of the faces of the belt, an adjustable member arranged in the opening and adapted to engage another face of the belt in the opening to clamp the belt in the opening, and a slot extending from the exterior of the member to the opening, the slot being arranged at an angle to the longitudinal axis of the opening.

2,355,113
BELTING
George Arthur Schieren, Jr., Bristol, Tenn., assignor to Charles A. Schieren Company, New York, N. Y., a corporation of New York
Application September 1, 1942, Serial No. 456,866
2 Claims. (Cl. 74—233)

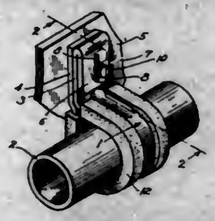


1. A leather V-belt comprising a plurality of layers of leather secured to each other to form a body portion having parallel upper and lower faces and inclined side walls, and a thin strip of grain split leather secured to each side wall.

2,355,114
PROCESS FOR PRODUCING CONDENSATION PRODUCTS
Erik Schirm, Dessau, Germany, assignor, by mesne assignments, to The Hydronaphthene Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 31, 1940, Serial No. 338,281. In Germany June 7, 1939
10 Claims. (Cl. 260—510)

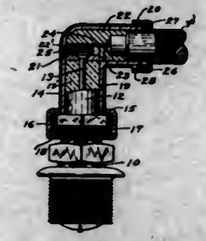
1. A tanning agent having the formula $Y(SO_2—NH—Ar)_n$, wherein Y is a naphthalene radical, Ar is an aromatic group containing a non-basic water-solubilizing group and n is three to four.

2,355,115
CONDUIT SUPPORTING CLIP
Benjamin F. Schmidt, Los Angeles, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application March 24, 1943, Serial No. 480,402
1 Claim. (Cl. 248—74)



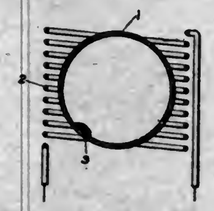
In a conduit supporting clip, a metallic conduit-embracing strap having opposed apertured ends, an integral nut comprising a body member formed by bending back on itself one of said apertured ends, an opening in said body member in registration with the apertures in said ends, and arcuate portions of said body member around the opening therein struck outwardly therefrom and disposed to have tensioned engagement with a screw threaded fastening when the latter, after being inserted through said ends, is turned in said opening, said body member having a single slit therein extending so as to intersect said opening at diametrically opposite points.

2,355,116
SPARK PLUG SHIELD
Raymond L. Shumaker, Xenia, Ohio
Application July 7, 1931, Serial No. 549,203
11 Claims. (Cl. 123—169)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



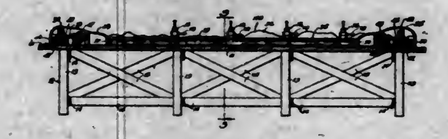
1. Means for effecting an electric bond between the shielding of a shielded cable and the grounded portion of a spark plug and for completely insulating the terminal ends of said cable and spark plug against the emanation of electrostatic or electromagnetic waves, comprising a hollow member spaced from and completely surrounding the insulated terminal end portion of said spark plug, insulating material filling the space between the hollow member and the terminal end portion of the spark plug and extending beyond said end portion to snugly fit the cable, contact means in the extended part of the insulating material and connected with the terminal end of the cable and engaged with the terminal end of the spark plug, and a metal insert confined between the contact member and the terminal end of the cable and in intimate contact with the insulating material, coupling means disposed at its opposite ends adapted for ready attachment to or detachment from the body portion of said spark plug and the shielding of said cable respectively.

2,355,117
ELECTRICAL GASEOUS DISCHARGE LAMP
Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application September 28, 1940, Serial No. 358,848
5 Claims. (Cl. 176—122)



1. A lamp comprising an envelope containing bismuth iodide, and means for producing a space discharge in said lamp, said iodide being more easily vaporizable than bismuth at the normal operating temperature of said envelope, said iodide being decomposible into components, including bismuth under conditions prevailing in said discharge.

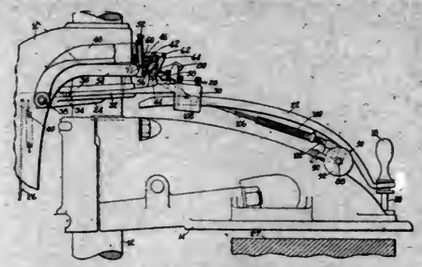
2,355,118
GAME
Everett Storey, Chicago, Ill.
Application March 25, 1942, Serial No. 436,112
6 Claims. (Cl. 46—91)



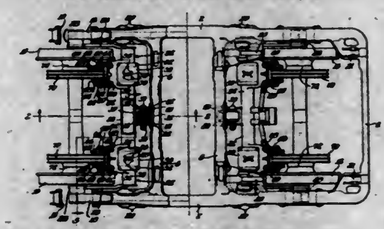
1. A game comprising a tank containing a body of water, partition means in said tank for providing a pair of channels in said body of water, said channels being in communication with each other, partition means carried by said tank for providing at one end of each channel a harbor with an open neck, said partition being provided with an opening communicating with the adjacent channel and permitting the passage of water thereinto from the harbor while the partition prevents the passage of boats in said harbor into said adjacent channel, and agitator means for causing water in each of said channels to flow toward the harbor at the end thereof.

2,355,119
PRESS
Frank E. Stratton, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 12, 1940, Serial No. 323,596
5 Claims. (Cl. 192—131)

1. A clicking machine comprising a frame, a post mounted in the frame, a presser member carried by the post for movement therewith heightwise of the frame, a clutch control member for initiating a power operation of the presser member, a starting lever for actuating the clutch control member, an abutment on the frame, a latch carried by the lever and normally engaging the abutment to lock the starting lever against movement, manually operable means for releasing the latch, and automatic means operable independently of the latch releasing means for returning the latch into locking position after an operation of the starting lever.



2,355,120
ROTOR BRAKE
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 3, 1941, Serial No. 421,418
33 Claims. (Cl. 188—59)

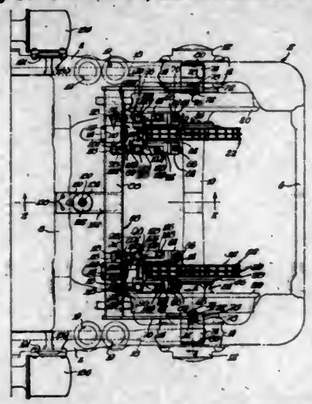


1. In an off-wheel brake arrangement, a wheel and axle assembly, a truck frame comprising a longitudinal member supported on said assembly and a transverse member resiliently mounted on said longitudinal member, spaced rotors fixed on said assembly, a brake frame eccentrically supported with respect to said assembly adjacent the ends thereof and having a pivotal torque connection to said transverse member, spaced power means mounted on said brake frame adjacent respective rotors, power levers fulcrumed in said brake frame at opposite sides of each power means, brake heads on said levers supporting shoes for engagement with opposite faces of the adjacent rotor, and hand brake means comprising links forming a toggle connection between adjacent power levers, actuating levers fulcrumed at the pivot points of certain of said power levers and having operative engagement with the pivots of said toggles, means connected between said actuating levers for simultaneous operation thereof, and means on said brake frame affording support for said hand brake means.

2,355,121
ROTOR BRAKE
Carl E. Tack and Wesley A. Helsten, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 12, 1941, Serial No. 422,632
22 Claims. (Cl. 188—59)

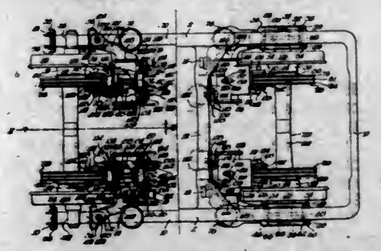
1. In a brake arrangement, a wheel and axle assembly including an axle and a member rotatable therewith, friction shoes supported for engagement with opposite sides of said member, a

plurality of spaced levers associated with each shoe, fulcrum means supported adjacent said assembly for said levers, and double acting power



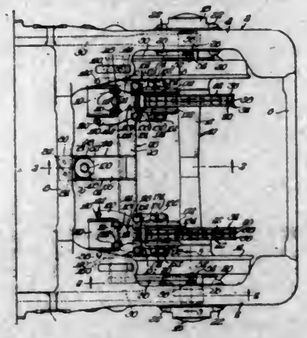
cylinders associated with said levers for actuation thereof, each of said cylinders being operatively connected to one lever associated with each shoe.

2,355,122
ROTOR BRAKE
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 18, 1941, Serial No. 423,455
26 Claims. (Cl. 188—59)



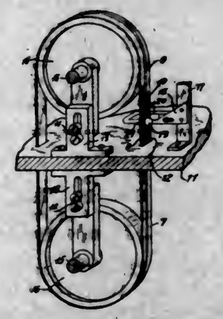
1. In a brake arrangement for a railway car truck, a frame member, spaced supporting wheel and axle assemblies each comprising an axle having journal ends and wheels fitted on said axle, rotatable brake discs supported on said wheels, journal boxes receiving therein said journal ends, yokes mounted on said boxes, an equalizer joining the yokes at each side of the truck, resilient means seated on said equalizers and supporting said frame member, brake shoes formed and arranged for frictional engagement with said discs, and actuating means for said shoes comprising brake heads secured thereto, cylinder housings mounted on said frame and connected to the associated yokes, cylinders formed in said housings, pistons at opposite ends of each cylinder, and levers having pivotal connection to said brake heads and being operatively secured to said pistons, said last-mentioned connection comprising spaced lugs on each head and receiving therebetween the end of the associated lever, a bracket on said lever underlying one of said lugs, a pin extending through aligned openings in said lugs, said last-mentioned end, and said bracket, and a spring secured to the end of said pin and abutting said bracket thereby affording frictional control of the pivotal connection.

2,355,123
ROTOR BRAKE
Carl E. Tack and Wesley A. Holsten, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 16, 1942, Serial No. 431,068
8 Claims. (Cl. 188—205)



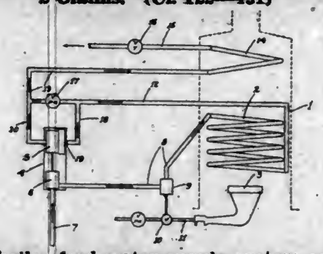
1. In a brake arrangement, a vehicle frame, a supporting wheel and axle assembly, rotors supported from said assembly, friction means formed and arranged for engagement with said rotors, actuating means associated with said friction means, and a support from said frame for said actuating means, said support comprising a frame member supported from said assembly and supporting said actuating means, a bracket comprising spaced horizontal webs secured to said vehicle frame, said top web comprising a slot, a pin resiliently connected to said bottom web extending upwardly through said slot and resiliently connected to said frame member, said slot permitting movement of said pin as said assembly and said vehicle move with respect to each other.

2,355,124
ENDLESS-BAND TOOL
Henry Testo, Lakewood, Ohio, assignor of one-half to Curt B. Muller, Cleveland, Ohio
Application December 23, 1941, Serial No. 424,199
3 Claims. (Cl. 29—103)



1. An endless integral saw and file band formed with saw teeth along one edge and linear, crosswise extending file ridges along one side, said ridges being divided by a longitudinally extending smooth guide-area whereby said band is adapted to have its movement in one direction delimited by a suitably located guide finger.

2,355,125
BOILER-FEED SYSTEM
Russell R. Waterman, Lodi, Calif.
Application October 30, 1942, Serial No. 463,886
2 Claims. (Cl. 122—451)



1. A boiler feed-water supply system comprising a steam pump having its pumping end drawing from an outside source of supply and delivering to the boiler, a steam outlet line from the boiler, a throttle valve in the line, the pump including a steam operating member, an inlet pipe leading from the line to the member, an outlet pipe leading from said member back to the line, and a pressure control valve in the line between the connection of said pipes therewith set to resist a predetermined pressure; there being a restricted orifice in the inlet pipe of a size to affect the velocity of the steam passing therethrough to the operating member of the pump according to the viscosity of the steam.

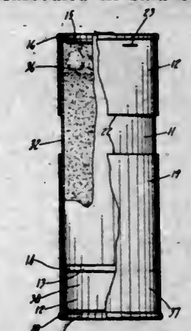
2,355,126
GROMMET
Lewis G. Webster and Fred J. Rees, Dayton, Ohio
Application August 18, 1942, Serial No. 455,238
3 Claims. (Cl. 16—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A grommet of the class described comprising a sleeve-like member of spiral form having a peripheral groove following the spiral convolution of said member, the latter having its spiral extremities normally arranged in an axially offset abutting relation, said extremities of said member having planar meeting faces, the plane of which is inclined at an angle to the axis of the sleeve, whereby upon application of pressure to said extremities of said sleeve in opposite directions axially thereof to bring the peripheral groove into circumferential continuity, said sleeve will be diametrically expanded by engagement of the inclined planar meeting faces of the spiral extremities of the sleeve.

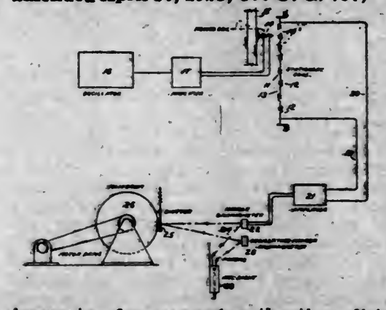
2,355,127
DUST GUN
Richard J. White, New York, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 7, 1941, Serial No. 397,120
2 Claims. (Cl. 43—147)

1. A dust gun for storing and disseminating pulverulent materials under pressure, comprising an inner tubular container body member for holding the pulverulent product, a two-part separable outer tubular body member enclosing said inner body with one part thereof slidably mounted in telescoping relation on said inner body and having an imperforate bottom end member secured thereto, a perforated end member permanently seamed to said inner body and to a stationary part of said outer body at the discharge end of the gun to hold said members against relative movement, said inner body having a bottom end member seamed thereto in an end joint and provided with a central opening, and a flexible valve disc disposed within said inner body member adjacent said bottom end thereof normally closing said opening and having its periphery embodied in said end joint, said



valve disc having an aperture spaced transversely from the opening in said inner body end member and normally closed by an imperforate part of the latter, the space between the respective bottom ends of said inner and outer body members constituting a pump chamber, whereby outward telescoping movement of the movable part of said outer body member admits air between said inner and outer body members into said chamber, and inward telescoping movement of said outer body member forces the entrained air through said opening to flex inwardly said valve disc and expose the aperture thereof, continued relative inward movement forcing the air through said aperture into the pulverulent materials to expel the same in finely diffused and disseminated form through the perforations in the discharge end of said gun.

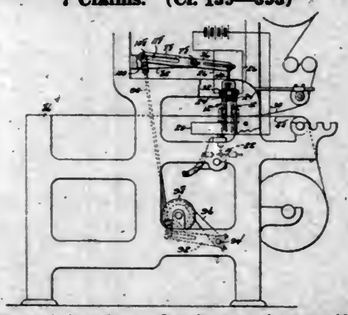
2,355,128
MEASURING DEVICE
Fred W. Whitlock, United States Army, Aberdeen, Md.
Application March 19, 1942, Serial No. 435,328
7 Claims. (Cl. 234—29.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. Apparatus for measuring the time-distance characteristics of relatively movable members

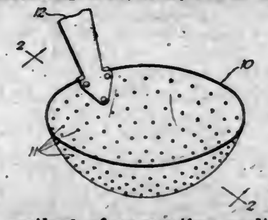
comprising a plurality of sequentially arranged oppositely phased windings on one member, a coil on the other member coupling electromagnetically with said windings, means to energize the said windings with high frequency alternating current, and means to record the energy picked up by said coil.

2,355,129
TERRY WARP STOP MOTION
Charles E. Whittaker, Galt, Ontario, and George G. Slough, St. Catharines, Ontario, Canada
Application April 14, 1943, Serial No. 483,020
7 Claims. (Cl. 139—353)



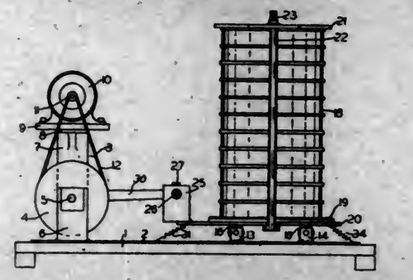
1. In a terry loom having a stop motion including drop wires, a terry warp stop motion comprising a slotted extension on said drop wires, rods extending through said slotted extensions, a rock shaft, arm means fixed to said rock shaft and having an operating connection with said rods to raise and lower the latter through rocking motion of said rock shaft, and means for rocking said rock shaft, said slotted extensions allowing the drop wires to be lifted when the loom is operating on the loose pick or pile pick of the terry warp to bring the drop wires out of contact with said first mentioned stop motion.

2,355,130
SEPARATION OF MOLTEN MAGNESIUM FROM MOLTEN SALT BATHS
Leland A. Yerkes, Boulder City, Nev.
Application December 18, 1942, Serial No. 469,391
10 Claims. (Cl. 75—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



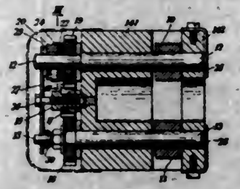
1. The method of separating molten magnesium from a molten salt bath, which comprises providing a dish shaped body of ferrous metal having a plurality of fine openings therethrough, treating the said ferrous metal to produce an oxide coating thereon, dipping the resulting coated dish shaped body into the molten magnesium in the salt bath, and allowing the same to remain above the said bath to drain the molten salt through the said fine openings, the molten magnesium remaining within the said dish shaped body.

2,355,131
GRADING MACHINE
Delmar Kolleda, Marion, Ohio, assignor to Frank M. Gore, Marion, Ohio
Application March 23, 1943, Serial No. 480,245
6 Claims. (Cl. 209—237)



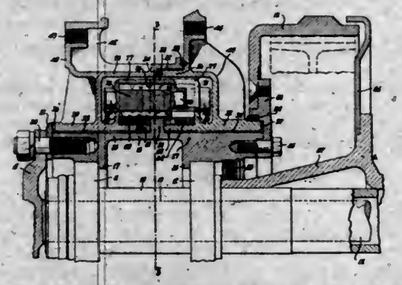
4. In a sand testing machine; a base element; a prime mover and an eccentric and shaft driven thereby mounted on said base; a plate supporting means mounted on said base comprising a pair of laterally spaced roller supports having roller means on each support; a plate on said roller means; a column of sieves removably secured to said plate; means to maintain said plate in a proper spaced relationship with respect to said supporting means; a fixture secured to said plate having a pin therein; a rod connecting said eccentric and pin; the axes of said pin and said eccentric disposed in different horizontal planes; and said length of stroke of said rod connecting said pin and shaft, the spacing of said roller means and the height of said column of sieves being so proportioned and arranged as to cause said stack and plate to tilt about each of said roller means during each reciprocation of said plate over said roller means.

2,355,132
THREAD-ROLLING TOOL OR APPLIANCE
Theodore King Affleck, London, England, assignor to Acton Bolt and Fine Threads Limited, London, England, a company of Great Britain
Application December 30, 1942, Serial No. 470,653
In Great Britain January 5, 1942
3 Claims. (Cl. 80—6)



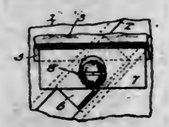
1. In a machine for rolling screw threads, in combination, threading rolls rotatable about parallel axes and laterally spaced apart so as to receive between them a work piece to be threaded, and means associated with said rolls for maintaining them in a predetermined angular relationship when not engaging a work piece, and permitting said rolls to rotate relatively to each other when a work piece is inserted between them, said means including a train of intermeshing gears, and a driving connection between one of said gears and one of said rolls which prevents relative rotation of said gear and roll in one direction and permits restricted relative rotation of said gear and roll in the opposite direction.

2,355,133
DUAL WHEEL ASSEMBLY
Charles S. Ash, Milford, Mich.
Application October 12, 1940, Serial No. 360,881
12 Claims. (Cl. 180—22)



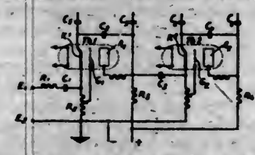
1. In a dual wheel assembly the combination of an axle end, a pair of side-by-side, coaxial, relatively rotatable wheels mounted on the axle end, a driving member, a differential interconnecting the driving member and wheels and including a pair of spur ring gears, one secured to each wheel, and a pair of intermeshing spur pinions, one meshing with each ring gear to differentially drive the wheels from the driving member.

2,355,134
PRINTING PLATE CLAMP
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application October 2, 1942, Serial No. 460,501
7 Claims. (Cl. 101—387)



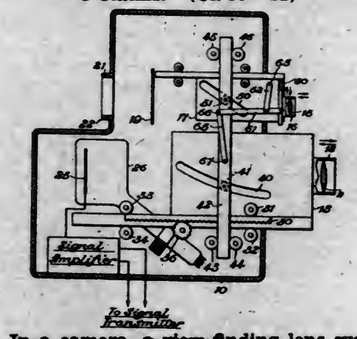
1. In a plate clamp adapted to be moved along a grooved support into engagement with an edge of a printing plate, a hook, a nut slidable in said grooved support and a clamp screw passing through the hook into threaded engagement with the nut, said hook and nut having curved coacting surfaces concentric with the clamp screw for preventing the hook from exerting side strain on the screw when the nut is subjected to endwise force and also to permit the hook to be properly seated against the edge of the printing plate.

2,355,135
SYNCHRONIZING APPARATUS FOR CATHODE-RAY OSCILLOGRAPHS
René Barthelemy, Fontenay aux Roses, France; vested in the Alien Property Custodian
Application November 6, 1936, Serial No. 109,507
In France November 14, 1935
2 Claims. (Cl. 178—69.5)



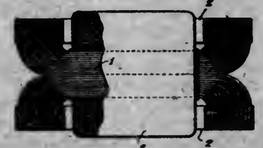
1. A synchronizing circuit for a television system comprising a gas discharge tube, a cathode, a grid and an anode in said tube, a direct current source having positive and negative terminals, a condenser connected across said cathode and anode, a first resistor connected between the positive terminal and said anode, a second resistor having a first terminal connected to said negative terminal and a second terminal connected to said cathode, a tap on said second resistor connected to said grid, a deflector circuit connected across said condenser, and a source of synchronizing impulses having a positive terminal connected to said first terminal of the second resistor and a negative terminal connected to said second terminal of the second resistor.

2,355,136
CAMERA DEVICE
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1941, Serial No. 413,060
3 Claims. (Cl. 95—44)



1. In a camera, a view finding lens system, a housing slidable in the direction of the optical axis of said lens system containing and supporting said lens system, a camera lens system, a second housing containing and supporting said camera lens system and being slidable in a direction parallel to said first named housing, a cam slot of predetermined configuration formed in a member rigidly associated with said first named housing, a second cam slot formed in a member rigidly associated with said second named housing, movable cam follower means positioned to co-operate with each of said cam slots to impart movement to said housings, means operatively connecting all of said cam follower means, and means for driving one of said housings, said cam slots and said cam follower means imparting proportional motion simultaneously to said other housing.

2,355,137
ELECTROMAGNETIC DEVICE
Henry B. Behlmer, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application October 25, 1941, Serial No. 416,518
7 Claims. (Cl. 175—356)



1. A core construction for an electromagnetic device comprising at least one closed, wound core

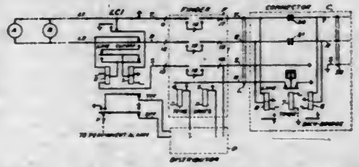
formed of magnetic ribbon, and a central core formed of magnetic laminations having the ends of the laminations of the central core located between convolutions of the closed core.

2,355,138
SLEEPING GARMENT
Marguerite N. Bell, Minneapolis, Minn.
Application November 19, 1940, Serial No. 366,285
2 Claims. (Cl. 2—114)



1. A combination sleeping garment for infants comprising a blanket and a jacket, cooperating means carried by each and serving to detachably fasten them together, and means carried by said jacket for closing or opening the same, said blanket fastening means being located on the opposite side of said jacket from the latter's closing or opening means and constituting the sole means for connecting the jacket and blanket, said blanket fastening means comprising a horizontally extending row of fasteners located near the neck opening, and a companion row of fasteners disposed centrally of an edge of the blanket, and said blanket in use extending over but not under the infant.

2,355,139
LOCKOUT TELEPHONE LINE CIRCUIT
John I. Bellamy, Brookfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1942, Serial No. 428,034
8 Claims. (Cl. 179—17)



1. In a lockout telephone line circuit, a line relay and a cutoff relay individual to a line, said line having a switchboard multiple including a sleeve conductor, a sleeve circuit including said conductor and an energizing winding on each of said relays, said circuit being effective to operatively energize both of said relays when connection is made with said line by way of said multiple either as a called line or as a calling line, said line relay being normally operable to indicate a calling condition on the associated line, said cutoff relay being effective, when operated, to disassociate the line relay from the line and to disable the operated line relay from indicating a calling condition, said cutoff relay being further effective, when operated, to prepare a holding circuit for itself over the associated line, means including a short-circuited second winding on the cutoff relay for insuring that the line relay restores first when a connection made to the line is cleared out, said line relay being effective, when restored, to complete said prepared holding circuit for the cutoff relay over the associated line subject to the line being in a condition other than its normal idle condition.

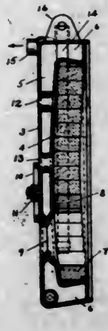
2,355,140
SEPARATION OF ALDEHYDE-KETONE MIXTURES
Joseph E. Bludworth, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 6, 1940, Serial No. 368,933
10 Claims. (Cl. 260—530)

1. Process for the separation of aldehyde-ketone mixtures which are difficultly separable by distillation whereby the ketone is recovered in the form originally present in the mixture, which comprises subjecting such aldehyde-ketone mixture to oxidation in the presence of an oxidation catalyst with a gas containing free oxygen under such conditions as to cause the conversion of the aldehyde present into the corresponding acid, and thereafter recovering the ketone from the product of said oxidation by distillation.

2,355,141
N-ACYL-N-ALKANOL AROMATIC AMINES
Albert B. Boese, Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application September 6, 1941, Serial No. 409,781
11 Claims. (Cl. 260—562)

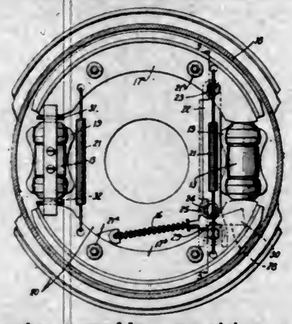
9. As new chemical compounds, N-acetyl-N-alkanol aromatic amines.

2,355,142
FURNACE DOOR
William C. Bulmer, Aspinwall, Pa., assignor to Reliance Steel Products Company, McKeesport, Pa., a corporation of Pennsylvania
Application April 1, 1942, Serial No. 437,161
8 Claims. (Cl. 122—498)



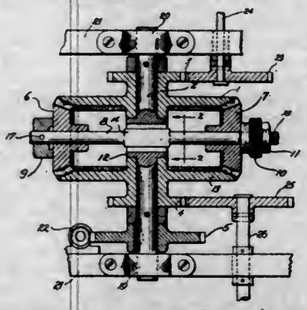
1. A water cooled furnace door including an outer plate and an inner plate spaced from the outer plate, the plates enclosing a water space, said outer plate having a plurality of spaced apart openings, said inner plate having corresponding and aligned openings, tubes extending from one plate to the other and secured to the portions of the plates surrounding the openings, said door having a refractory lining adjoining the inner plate.

2,355,143
BRAKE
Richard T. Burnett, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 13, 1942, Serial No. 438,730
10 Claims. (Cl. 188—106)



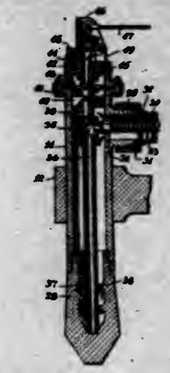
1. A brake assembly comprising a rotatable brake drum, two individually shiftable brake shoes, service brake means for substantially simultaneously applying force to both ends of both shoes tending to move them toward the brake drum, and auxiliary brake means for moving one end of each shoe toward the brake drum, said auxiliary brake means including a thrust link pivoted on one shoe and having an abutment adjacent the other shoe, an abutment on the other shoe, a wedge between the two abutments for spreading the shoes when moved in a given direction, and a cable for moving the wedge to spread the shoes.

2,355,144
SELF-ALIGNING GEAR ASSEMBLY
Bert G. Carlson, Erieside, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application November 23, 1942, Serial No. 466,629
2 Claims. (Cl. 74—303)



1. In combination in a differential gear assembly, an axle and a pair of spaced ring gears rotatably mounted thereon, said axle having a central hub opening, a shaft and a pair of pinion gears rotatably mounted thereon, said pinion shaft extending through said axle hub opening with restricted clearance permitting relative movement in one plane only, said shaft being provided with an adjusting nut for adjusting the end play in the meshing relationship between said ring and pinion gears, the hub opening of said axle and that portion of said pinion shaft that engages said opening being rectangular in cross section.

2,355,145
WELDING APPARATUS
Chester F. Carlson, Jackson Heights, N. Y., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application December 18, 1940, Serial No. 370,602
17 Claims. (Cl. 219—4)



1. A welding machine comprising, in combination, a pressure exerting welding electrode, a holder supporting said electrode, said electrode and holder being internally hollow and together defining a closed chamber, a compressed refrigerant passage leading into said chamber, an expanded refrigerant return passage leading out of said chamber, and a refrigerant fluid expansion valve within said chamber, and valve control means extending into said chamber for controlling said valve.

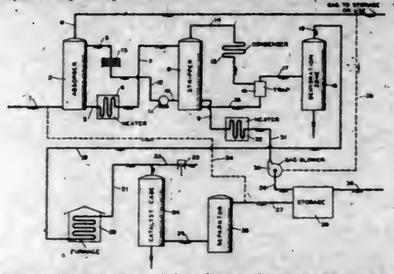
2,355,146
METHOD OF TESTING CARBON BLACK
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application April 12, 1943, Serial No. 482,817
9 Claims. (Cl. 23—230)

1. A method of determining the rubber reinforcing properties of carbon black comprising mixing carbon black with a solution of a crystalline substance in an appropriate solvent for the substance, evaporating the solvent from the mixture and observing the crystal formation as a measure of the rubber reinforcing properties of the carbon black.

2,355,147
PROCESS FOR THE TREATMENT OF HYDROCARBON GASES
Sydney S. Charanow, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 30, 1942, Serial No. 428,975
3 Claims. (Cl. 23—3)

1. A process for the purification of hydrocarbon gases containing hydrogen sulfide comprising absorbing the hydrogen sulfide from said gas in an alkaline-reacting aqueous solution, capable of fixing hydrogen sulfide at low temperatures and of disengaging the hydrogen sulfide at elevated temperatures, and recovering said purified gas at the exit of the absorbing zone; heating the alkaline solution containing hydrogen sulfide, passing an inert gas in contact therewith to assist in the removal of the hydrogen sulfide from the al-

kaline solution, cooling the reactivated alkaline solution and returning same to absorb additional amounts of hydrogen sulfide; drying the said inert gas containing hydrogen sulfide, passing the same to a hydrogen sulfide oxidation step, where-



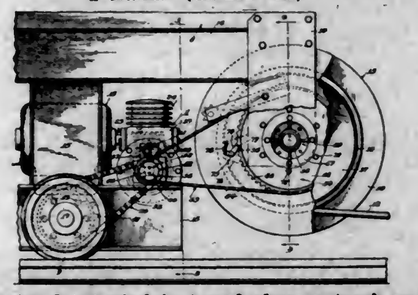
in after admixture with air and passage over an oxidation catalyst the hydrogen sulfide is converted to free sulfur and water, separating and recovering the sulfur and returning the said inert gas to assist in stripping further amounts of said alkaline solution.

2,355,148

ELECTRICALLY PROPELLED TRUCK

Murray G. Clay, Chicago, Ill., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois

Application February 19, 1943, Serial No. 476,474
1 Claim. (Cl. 191—12)



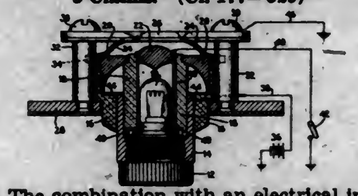
A truck adapted to travel along a track and comprising a frame with track engaging wheels, a reversible electric motor mounted on the frame and connected to certain of the wheels so that it operates when driven in one direction to propel the truck in one direction along the track and when driven reversely to propel the truck in the opposite direction along the track, a reel rotatably mounted on said frame, a cable for supplying current to the motor, having one end thereof adapted for connection to a fixed source of current adjacent the track and its other end anchored to, and wound around, the reel, a slip type friction clutch disposed adjacent one end of the reel and embodying a drive member in the form of a sprocket wheel and in addition a driving member connected fixedly to the reel, means including a ratchet drive connected to be driven by the motor when the latter is driven so as to propel the truck towards the source and also including an endless chain connected for drive by said ratchet drive and extending around the sprocket wheel, and operative when driven to drive the sprocket wheel constituting the drive member of the clutch so as to revolve the reel for cable take up purposes, and a spring pressed pawl applied to the teeth of the sprocket wheel and arranged to lock said sprocket wheel against reverse drive.

2,355,149

WARNING LIGHT AND TEST BUTTON

Clarence A. de Giers, Forest Hills, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware

Application April 13, 1940, Serial No. 329,430
3 Claims. (Cl. 177—329)



1. The combination with an electrical indicating lamp for an instrument panel, of a push button concealing, supporting and surrounding said lamp and with the lamp projecting toward the rear of said push button, means including contact devices operated by depression of said push button for energizing said lamp to light the same to test its operativeness, and a front window and means for indirectly lighting the same by said lamp when lighted.

2,355,150

PRESSURE STERILIZER AND COOKER

Michele Guglielmo de Simone, Stapleton, Staten Island, N. Y.

Application July 15, 1942, Serial No. 451,082
8 Claims. (Cl. 220—85)



1. In a pressure sterilizer and cooker having a receptacle and a cover with means for fastening the cover to the receptacle; a control valve structure having a control valve per se and a safety valve structure having a safety valve per se carried by the cover, the control valve structure having a hand-operated part with a projecting arm, while the control valve per se has cooperating members extending upwardly into operative engagement with said hand-operated and projecting arm, the safety valve structure having a lever operatively connected to the safety valve per se and extending into operative relation with the arm on the control valve structure when the hand-operated part and arm are in valve-closing position, said lever acting, on movement of the safety valve by a predetermined pressure within the receptacle, to move said arm on the control valve structure so as to permit the control valve to open.

2,355,151

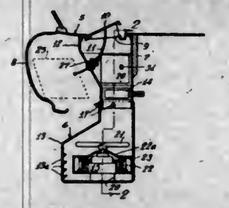
AUTOMOBILE BODY HEATER

Howard J. Findley, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 6, 1940, Serial No. 368,767
3 Claims. (Cl. 98—2)

1. A vehicle ventilator composed in part of separable housing sections, an upper housing section

having an upper air inlet and adapted to be permanently secured in surrounding relation beneath an outside air inlet opening in an upper wall of the vehicle ahead of the windshield and including a lower end with an outlet opening, a heat-exchange element in said upper section disposed transversely across the lower outlet opening therein, a lower housing section detachably secured at its upper end to the lower end of the upper section and having a lower opening communicating with the passenger compartment, air impelling means in the lower end of said detachable lower section



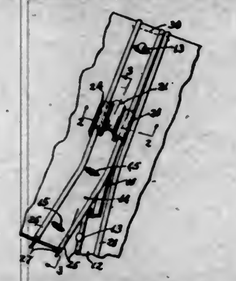
adapted to move air to be tempered through the heat-exchange element of the upper section and discharge it through the lower opening in said lower section into the passenger compartment, centrifugal fan means driven by said air impelling means disposed in a separate blower housing arranged to receive a portion of the tempered air moved by said air impelling means through said lower section, and conduit means associated with said blower housing and extended through a wall of the lower section for conducting air to the vehicle windshield.

2,355,152

SLIDE FASTENER

Isidore Goldstein, Brooklyn, N. Y.

Application December 17, 1942, Serial No. 469,311
8 Claims. (Cl. 24—205)



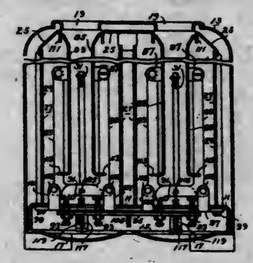
8. In a slide fastener having a bottom flexible strip having a plurality of spherical buttons along its length, and a top flexible strip having buttonholes along its length for said buttons, a slide for buttoning and unbuttoning said buttons, comprising a C-shaped member having top and bottom wall portions for engaging upon the edge portion of said bottom strip, a bridge-like member mounted on the outer edge of said top wall portion for engaging over the edge portion of said top strip, means for slidably connecting said bridge-like member with said edge portion of said top strip, said bridge-like member having a simi-tubular portion for holding down said top strip on said bottom strip and forming a passage for said buttons when said strips and slide are relatively moved longitudinally of each other, and a hollow semi-tubular portion on said top wall portion for said buttons to pass through and located to the front of said bridge-like member and having an inclined rear end for progressively lifting said top strip off of said buttons when the slide is moved in one direction and dropping said top strip on said buttons when the slide is moved in the other direction.

2,355,153

ELECTRIC TOASTER

John R. Gomersall, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application September 13, 1941, Serial No. 410,683
6 Claims. (Cl. 219—19)



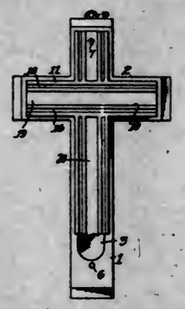
1. A toaster comprising a pair of spaced fixed electric heating elements, a pair of flat metal plates between and substantially parallel to said heating elements, means normally yieldingly holding said plates spaced apart, a bread carrier located between said plates movable therebetween into toasting and non-toasting positions and normally yieldingly biased into non-toasting position, means to move said carrier to its toasting position and means operatively engageable by said carrier near the end of its movement into toasting position to cause said plates to move toward each other to clamp therebetween a slice of bread on the carrier.

2,355,154

DUAL CROSS COMMUNION SET

Delphus Goudreau, Northbridge, Mass.

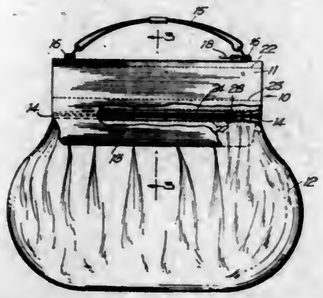
Original application August 23, 1940, Serial No. 353,980. Divided and this application December 8, 1941, Serial No. 422,119
1 Claim. (Cl. 41—35)



A cross structure comprising a trunk member and a cross arm member, each member having corresponding front faces, the front faces of the members having spaced raised shoulders thereon and opposed grooves in said shoulders to define recessed areas in the members, the shoulders on one member extending throughout the length thereof to define a continuous recessed area and

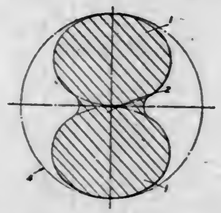
intersecting the recessed area of the other member, whereby said other member at its face is divided into two separated recessed areas, and ornamental strips slidably mounted in the opposed grooves of each member, one of said strips extending throughout the length of said continuous recessed area and transversely of the separated recessed areas.

2,355,155
HANDBAG OR THE LIKE
Mildred Greenfield, Bronx, N. Y.
Application July 6, 1942, Serial No. 449,908
2 Claims. (Cl. 150—28)



1. A handbag or the like of the character described comprising a frame having a depending interior lining formed to provide front and rear sections of equal size and shape, and exterior depending tabs juxtaposed exterior to and at the front and rear of the respective lining sections and each extending below the juxtaposed lining section, means on the depending edges of said lining sections adapted to receive a pouch, and said pouch having cooperating means removably attaching the pouch from both lining sections and to the frame behind said exterior tabs.

2,355,156
METALLIC ELEMENT FOR REINFORCING CONCRETE
Wilfred John Marshall Haines, Oxshott, England
Application September 25, 1943, Serial No. 503,754
In Great Britain October 9, 1942
5 Claims. (Cl. 72—111)

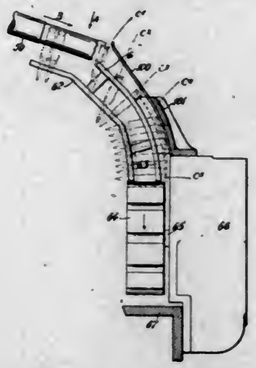


1. A metallic element for use in reinforcing concrete consisting of a mild steel bar rolled to a section consisting of two ellipses joined together at their minor axes whose major axes are contained within a circle of a diameter substantially equal to the measurement across the minor axes of the two joined ellipses, and twisted and stretched beyond the elastic limit of the mild steel.

2,355,157
COATED FABRIC AND METHOD OF APPLICATION
Benjamin Raymond Hanson, Dayton, Ohio, assignor to The Sherwin-Williams Company, a corporation of Ohio
No Drawing. Application June 18, 1940, Serial No. 341,149
8 Claims. (Cl. 117—66)

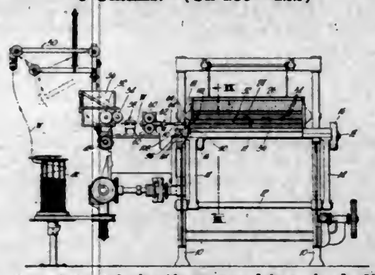
8. The process of preparing an article suitable for later use in making a taut, smooth covering on a rigid structure such as an airplane wing, which includes coating a fabric with a cellulosic composition in a volatile solvent, evaporating a portion of the solvent to leave between 10% and 40% of the volatile ingredients, and to make the coating soft and non-tacky, and sealing the fabric with the coating in that condition in an impervious casing to substantially prevent further evaporation of solvent from the coating during storage and prior to the securing of the fabric on said rigid structure.

2,355,158
APPARATUS FOR FEEDING TAPERED ARTICLES
Richard William Harris and George Dearsley, Deptford, London, England, assignors to Molins Machine Company Limited, London, England
Original application February 27, 1941, Serial No. 380,934. Divided and this application January 21, 1942, Serial No. 427,672
1 Claim. (Cl. 193—43)



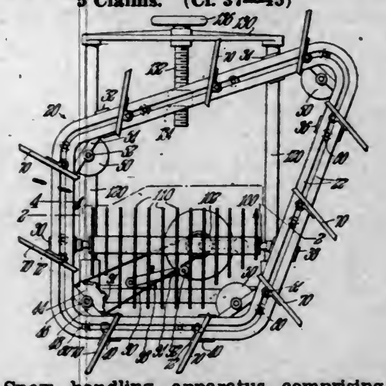
Apparatus for feeding elongated articles which are tapered in the direction of their length, said apparatus including a support substantially horizontally disposed, downwardly curving guide members disposed in laterally spaced relation to receive a succession of articles therebetween in a generally upright position and to deliver the same in a downward direction to a generally horizontal position on to previously fed articles lying horizontally on said support, the spacing between said guide members being such that an article disposed in a generally upright position intermediate said members, so that its taper is downward, is frictionally retarded by engagement with said members below its center of gravity only, whereby the article is caused to tip forwardly from the generally upright position toward the horizontal position during its downward passage between the guide members, and a second pair of guide members adapted to guide the larger ends of the articles.

2,355,159
WIRE FABRIC LOOM
Noah S. Harter, Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 8, 1942, Serial No. 446,221
9 Claims. (Cl. 139—122)



1. A wire fabricating machine including a beater frame, means for interweaving warp wires and weft wires, characterized by the novel features of respective fixed and movable weft wire guides secured respectively to a fixed part of the machine and to said beater frame and a flexible conduit secured at its opposite ends to said fixed and movable guides.

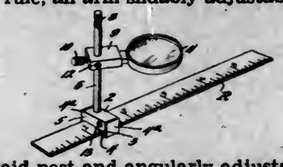
2,355,160
SNOW HANDLING APPARATUS
Sumner M. Hodsdon, Ludlow, Mass.
Application August 6, 1943, Serial No. 497,606
5 Claims. (Cl. 37—45)



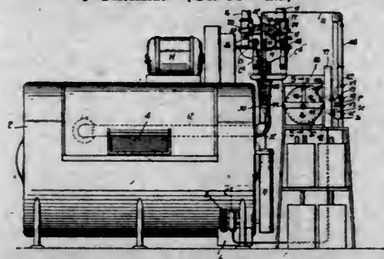
1. Snow handling apparatus comprising in combination, a wheeled vehicle, a track structure on said vehicle for supporting and guiding a continuous flexible carrier member so that it has a lower substantially horizontal run disposed transversely to the direction of movement of said vehicle, scoops carried by said carrier, agitating means mounted on the track structure for movement in opposite directions in planes parallel to the path of movement of the carrier, and operating means for said carrier member and agitating means.

2,355,161
MAGNIFYING ATTACHMENT FOR RULES
Frank F. Holstein, Capitol View, Md.
Application December 10, 1942, Serial No. 468,558
2 Claims. (Cl. 88—39)

1. A magnifying attachment for rules bearing scale markings upon a side thereof, said attachment comprising a slide block having a recess therethrough closed at its bottom by a relatively thin plate and adapted to receive a rule, a post extending upwardly from said block and having its lower end threadedly mounted in an opening in the top of the block communicating with said recess, whereby rotation of the post moves its lower end into and out of clamping engagement with the rule, an arm slidably adjustable lengthwise of said post and angularly adjustable about said post through an arc of 180 degrees, a magnifying lens supported on said arm and arranged to lie generally parallel to the plane of the rule, and means for retaining said arm in adjusted position on said post.

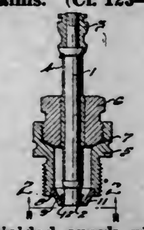


2,355,162
CONTROL MECHANISM FOR COMMERCIAL LAUNDRY WASHING MACHINES
Sewall M. Hovey, White Plains, N. Y.
Application September 13, 1941, Serial No. 410,682
5 Claims. (Cl. 68—12)



1. The combination with a laundry machine having hot and cold water valves of an electrically driven program device, an electrical circuit therefor, a switch in said circuit, a plurality of switches controlled by said program device, fluid operated means for operating said hot water valve, fluid operated means for operating said cold water valve, electrically operated valves controlling the supply of fluid to said fluid operated means, a pressure responsive device controlled by the flow of fluid to each of said fluid operated means for opening said first mentioned switch upon supply of fluid to either of said means, and electrical circuits for said electrically operated valves including the switches controlled by the program device.

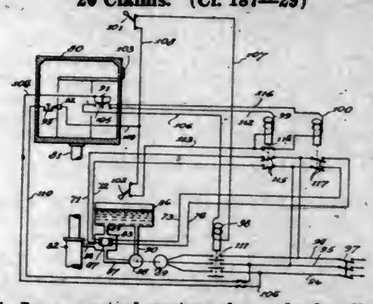
2,355,163
SPARK PLUG
John G. Jackson, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application October 18, 1940, Serial No. 361,684
3 Claims. (Cl. 123—169)



1. A radio shielded spark plug comprising a body portion, a central electrode therein, and a

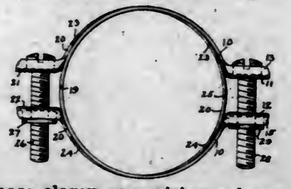
shielding tube extending around and above said central electrode, said tube having an interior insulating coating of fused vitreous enamel.

2,355,164
ELEVATOR CONTROL
Lawrence F. Jaseph, Memphis, Tenn., assignor to Rotary Lift Company, Memphis, Tenn., a corporation of Delaware
Application February 8, 1941, Serial No. 377,959
20 Claims. (Cl. 187—29)



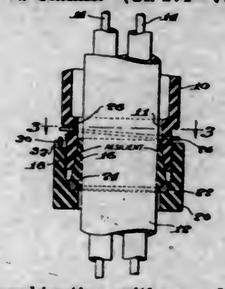
11. In a control system for a hydraulic elevator of the type comprising a jack, the combination including, a fluid reservoir, a pilot operated valve structure including a valve that is effective when closed to connect the jack to said source of fluid pressure to raise the elevator and effective when open to connect the jack to said reservoir to lower the elevator, said valve structure including a pressure chamber, a pair of normally closed passages, a pair of pilot valves for opening said passages to relieve the pressure in said chamber and a third passage for building pressure in said chamber when the pilot valves are closed, one of said pilot valves being operable to effect full opening of the valve and the other to effect partial opening of the valve, whereby said elevator may be caused to descend at either a high or low rate of speed, and remote control means including selectively energizable solenoids for opening of said pilot valves.

2,355,165
SAFETY HOSE CLAMP
George C. Jerman, Columbus, Ind., assignor to Verner E. Sprouse and Ada Sprouse, Columbus, Ind., doing business as V. E. Sprouse Company, a copartnership.
Application December 10, 1943, Serial No. 513,678
5 Claims. (Cl. 24—19)



1. A hose clamp comprising a hose encircling, open side band; an outturned foot at each end of the band normally spaced one from the other; said band having two longitudinal slots therethrough, each slot initiating adjacent one of said feet and terminating to leave a full width portion of the band therebetween of a length substantially longer than the spacing between said feet; a second hose encircling, open side band of substantially the same diameter as that of said first band; an outturned foot on each end of the second band; said second band having an arcuate length within said first band carrying across the open side thereof and extending by reduced width portions respectively through the slots of said first band to position the second band feet outside of the first band; means for pulling said first band feet, one toward the other; and additional means for pulling said second band feet, one toward the other.

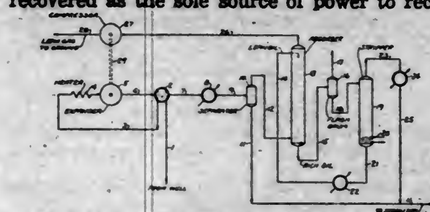
2,355,166
CABLE CLAMPING MEANS
Herman Johanson, Brookline, Mass., assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass., a corporation of Massachusetts
Application July 22, 1941, Serial No. 403,478
2 Claims. (Cl. 174—77)



1. The combination with an electrical cable, of a housing forming one end of a cable receiving member, said cable receiving member having one end portion thereof threaded and provided with a longitudinal bore into which the cable is extended to mount the member on the cable, a packing nut in threaded engagement with the threaded portion of said cable receiving member, said nut having notches in the leading end thereof, a compressible packing member within the packing nut for clamping the cable receiving member to the cable to prevent withdrawal thereof from said bore, and locking means for the packing nut, said locking means comprising a coil spring normally carried by said cable receiving member and having one end fixed in the cable receiving member at a point beyond the threaded portion of said cable receiving member and provided with a hook at its second end engageable with the notches in said nut to lock said nut against inadvertent unscrewing.

2,355,167
PROCESS FOR THE RECOVERY OF HYDROCARBONS
Percival C. Keith, Peapack, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application October 26, 1940, Serial No. 362,993
4 Claims. (Cl. 62—175.5)

1. In a process for the recovery of heavier hydrocarbons from a hydrocarbon mixture withdrawn from an underground reservoir, the combination comprising heating said mixture to an elevated temperature prior to separation of heavier hydrocarbons therefrom to materially increase the energy contained therein to a point where no additional energy is required to effect recompression of light constituents as hereinafter specified, thereafter reducing the pressure on the heated mixture, recovering energy from said pressure reduction, separating heavier hydrocarbons from said mixture, and utilizing energy thus recovered as the sole source of power to recompress light constituents remaining after separation of said heavier constituents from the mixture.

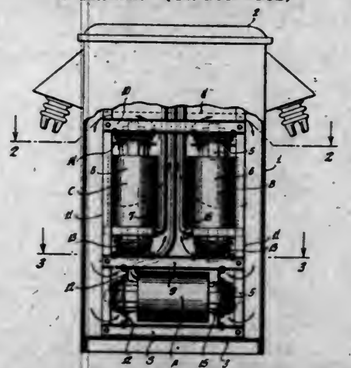


2,355,168
SOCK LINING
Joseph John Kubovcik, San Francisco, Calif.
Application June 30, 1943, Serial No. 492,916
2 Claims. (Cl. 36—43)



1. A sock lining for use in a shoe to retard conduction from the sole of the shoe to the foot and to repel moisture, which includes a single thickness of "Cellophane" proportioned to fit snugly upon the insole of a shoe, there being spaced ribs on the toe portion of the lining constituting toe spacers.

2,355,169
THREE-PHASE TRANSFORMER CONSTRUCTION
Eugene J. Lehman, David E. Wiegand, and John O. Fenwick, Zanesville, Ohio, assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application September 16, 1943, Serial No. 502,562
8 Claims. (Cl. 175—361)



1. A three phase transformer construction comprising a tank adapted to contain a cooling liquid, three transformer units mounted within said tank and submerged in the liquid, two of said units being mounted above the third unit and being spaced apart to provide a centrally located passageway to promote the upward rapid flow of heated liquid through said passageway, whereby no unit receives heated liquid from the other two units.

2,355,170
WINDOW GUARD AND SCREEN
Edmund H. Lunken, Springfield Township, Hamilton County, Ohio
Application January 29, 1943, Serial No. 473,923
2 Claims. (Cl. 20—71)



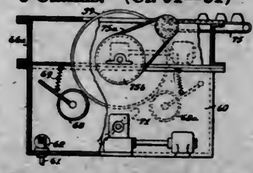
1. A window fixture of the nature disclosed, comprising: a pair of side rails for approximately the heighth of the opening of a window frame, each at its upper end pivotally connected to the window frame, a grille disposed between and at its lower end pivotally connected to the corresponding ends of the side rails, the grille adapted to be disposed in longitudinal alignment with and locked to the rails and therewith, as an unit, providing a guard for the window opening, the grille when unlocked from the rails movable therewith to a relatively angular position to extend the grille transversely to the window frame and have a bearing upon the sill of the window frame to provide a platform, with the rails providing stay supports for the grille.

2,355,171
METHOD OF TREATING PEBBLES
Franklin C. McGaughy, San Antonio, Tex.
Application July 13, 1942, Serial No. 450,720
9 Claims. (Cl. 51—164.5)



1. A method of treating cretaceous flint pebbles taken from a continental deposit to make them available for use as grinding media for pebble mills comprising the steps of introducing the pebbles into a mill, rotating the mill rapidly whereby the deleterious outer coating will be removed by impact of the pebbles, and then reducing the speed of rotation to effect an attrition step whereby the fractured surfaces of the pebbles will be polished.

2,355,172
APPENDAGE MOISTENER
William J. Miller, Swissvale, Pa., and Lewis P. Reese, Scio, Ohio
Application July 23, 1940, Serial No. 346,978
5 Claims. (Cl. 91—51)



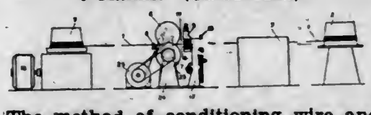
1. Apparatus for moistening the attaching surface of pottery appendages with fluid slip preparatory to being joined to prefabricated pottery ware comprising a receptacle adapted to hold a quantity of fluid slip, said receptacle having a slotted top, a rotatable disk-like moistening member located within the receptacle and partly submerged in the fluid slip with a portion of

the periphery thereof projecting through the slot, a facing of absorbent material covering the peripheral surface of the member, a pressure roll rotatably mounted in contact with the absorbent facing adapted to express fluid therefrom and another roll engaging the absorbent material adapted to control the degree of saturation thereof.

2,355,173
LUBRICATING COMPOSITION
Le Grand Morell, deceased, late of Midland, Mich., by Edith Morell, administratrix, Midland, Mich., and Amos T. Knutson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 11, 1939, Serial No. 267,334
3 Claims. (Cl. 252—48)

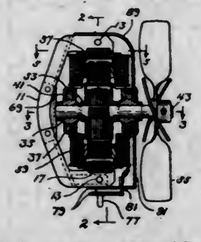
1. A composition of matter comprising a major amount of mineral lubricating oil and minor amounts of hexachloroethane and sulfur.

2,355,174
METHOD AND APPARATUS FOR SURFACE CONDITIONING WIRE AND THE LIKE
Norman H. Nye, Cuyahoga Falls, and Edwin J. McIlvried, Akron, Ohio, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application April 10, 1942, Serial No. 438,454
7 Claims. (Cl. 51—112)



5. The method of conditioning wire and the like, which comprises the steps of continuously advancing said wire from supply to take-up, engaging said wire, intermediate said supply and take-up, with gripping means in such manner that there is sufficient friction to move said wire arcuately and insufficient friction to prevent said advancing thereof, rapidly oscillating said gripping means about the axis of said wire and conditioning the entire peripheral surface of said wire by engaging the same with grinding means while being thus oscillated.

2,355,175
ELECTRIC MOTOR
Bror G. Olving, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 21, 1942, Serial No. 455,600
5 Claims. (Cl. 172—36)



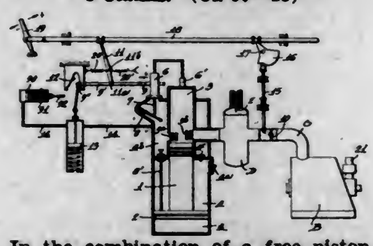
1. An electric motor assembly comprising a laminated yoke structure of substantially C-shape, a stator structure including a plurality of laminations, the planes of which extend at right angles to the planes of the yoke laminations, a rotor in said stator structure, a rotor shaft, bearing brackets for said shaft and rivets extending through the stator laminations and the bearing brackets to hold them in closely assembled relation.

2,355,176
MINING APPARATUS
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 13, 1941, Serial No. 422,800
3 Claims. (Cl. 262—28)



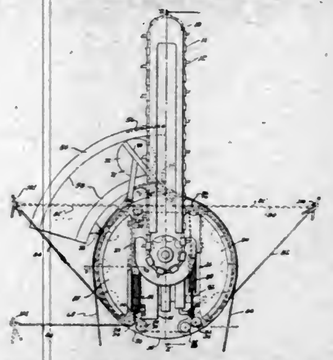
1. In a mining apparatus, the combination comprising a wheel mounted, portable base guided for movement along a mine trackway, means for propelling the apparatus along the trackway at a relatively high speed during tramming, kerf cutting mechanism mounted on said base and adapted to cut a plane kerf in a coal seam, and means for feeding the apparatus bodily back and forth along the trackway at a relatively low speed suitable for cutting to effect rectilinear sumping and withdrawal movements of said kerf cutting mechanism, said low speed feeding means being entirely distinct from said high speed propelling means and comprising a longitudinally extending, axially extensible, hydraulic jack having its feeding range equal to the desired kerf depth, said jack having at its forward end a universal pivotal connection with said base and attachable at its rear end to the mine trackway, and means on said base for supplying fluid under pressure to said jack at a controlled rate.

2,355,177
REGULATION OF FREE PISTON TURBO-GENERATOR SYSTEMS
Raul Pateras Pescara, Estoril, Portugal, assignor of one-tenth to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A., Geneva, Switzerland, a society of Switzerland
Application March 7, 1942, Serial No. 433,805
In France November 4, 1941
3 Claims. (Cl. 60—13)



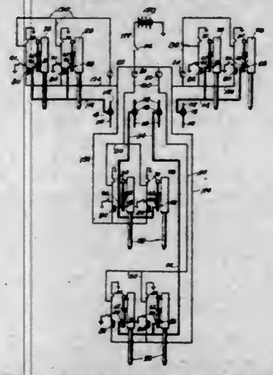
1. In the combination of a free piston generator, a turbine, a conduit connecting the exhaust of said generator with the intake of said turbine, a throttle in said conduit, and fuel feed means for said generator, the improvement comprising means for limiting the rate of fuel feed by said feed means, means responsive to the exhaust gas pressure of said generator for varying said limiting means, a single control means, means connecting said control means with said responsive means and means connecting said control means with said throttle, at least one of said connecting means including a resiliently supported pivot and lever articulated to said pivot, whereby only one of said connecting means is operative at a time.

2,355,178
APPARATUS FOR MINING, LOADING, AND CONVEYING MATERIAL
Richard Peale, Clearfield, Pa., and Rembrandt Peale, Jr., Greenwich, Conn.
Application April 4, 1942, Serial No. 437,718
1 Claim. (Cl. 262—9)



Apparatus for mining coal including in combination a kerf cutter bar having a supporting base, said cutter bar being of such length that it will extend into and cut a kerf of substantial depth when the machine base is positioned adjacent a mass of coal shot down from a previously cut kerf, a coal-loading skip movable toward the base and along same into said mass of coal for loading and movable along and away from said base for conveying away coal from said shot-down mass, and means for so moving the skip relative to the base and cutter bar when same are positioned as aforesaid, whereby the skip is capable of loading out shot-down coal lying between the machine base and the solid face of the coal while a fresh kerf is being cut in said solid face.

2,355,179
AUTOMATIC GUN SELECTOR
George W. Pontius, III, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 20, 1940, Serial No. 319,925
8 Claims. (Cl. 89—1)

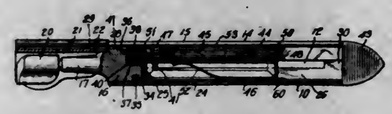


1. In a firing control system for a plurality of automatic guns, a source of hydraulic fluid under pressure, a plurality of hydraulic fluid motors connected to said source and adapted to be associated one with each gun for charging its associated gun in the event of a misfire, a control for said motors for selectively communicating the motors with said pressure source or to atmosphere, an electric circuit adapted to be associated with said guns, a trigger switch in said circuit for firing said guns, solenoid operated valves in said circuit, one of said valves being positioned intermediate the control and each of said hydraulic fluid motors for controlling the flow of fluid to the respective motors, and a plurality of means in said circuit one of said means adapted to be associated with each of said automatic guns and adapted to actuate the solenoid operated valve controlling the flow of fluid to the motors of said one automatic gun upon the misfire of said one automatic gun to permit the flow of fluid to the hydraulic fluid motor of said one automatic gun, said means also suited to prevent actuation of said solenoid operated valve associated with said one automatic gun to arrest the flow of fluid to said hydraulic fluid motor at times when said one automatic gun is firing, and means intermediate each solenoid operated valve and its associated fluid motor and responsive to the pressure in said motor for insuring the actuation of the solenoid operated valve even after the cessation of operation of the first said means.

2,355,180
PLASTIC COMPOUND AND METHOD OF MAKING SAME
Marc de Becker Remy, Detroit, Mich.
No Drawing. Application April 21, 1941, Serial No. 389,621
1 Claim. (Cl. 106—123)

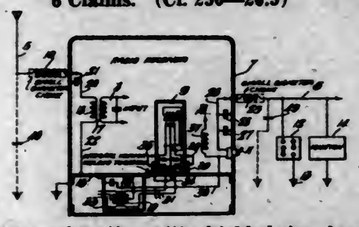
In the manufacture of a thermoplastic compound, the steps of forming an alkaline solution of lignin, separately forming an alkaline solution of wheat gluten of approximately the same temperature and pH value as said solution of lignin, mixing said solutions together, and then effecting simultaneous coagulation of said lignin and gluten in said mixed solutions by the addition of an acid to said solution.

2,355,181
BLADE MAGAZINE
John R. Reyburn, Fairfield, Conn., assignor to Magazine Repeating Razor Company, Bridgeport, Conn., a corporation of New Jersey
Application April 30, 1942, Serial No. 441,087
5 Claims. (Cl. 206—16)



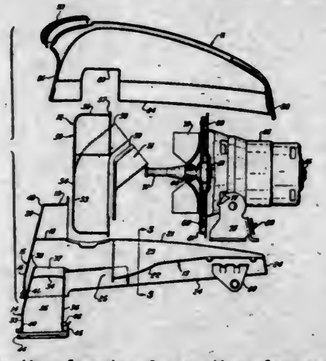
1. In a blade magazine of the type comprising a blade ejection orifice and a plunger mounted for reciprocation along a wall of the magazine and in line with the orifice for ejecting blades from the magazine one by one through the orifice, means for sealing the orifice against the ingress therethrough into the magazine of foreign substances, said means comprising a resilient deformable body of normally cylindrical form supported in an enclosure adjacent the path traveled by the plunger and normally bearing resiliently against the said wall, the said enclosure being elongated sufficiently so that the said body may roll with the movement of the plunger as the latter is projected between it and the said wall and withdrawn therefrom.

2,355,182
NOISE REDUCTION SYSTEM
Frederic F. Shoup, Haddenfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 27, 1941, Serial No. 400,003
6 Claims. (Cl. 250—20.5)



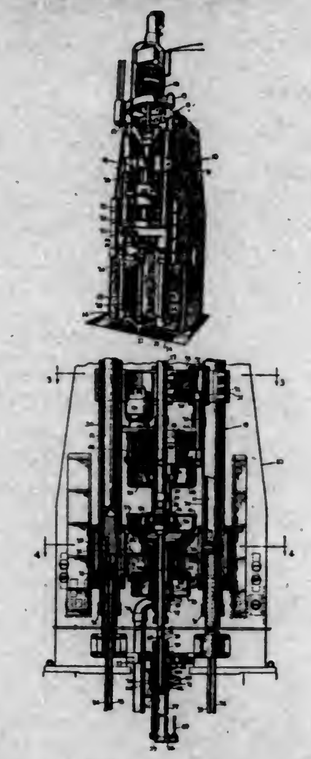
1. The combination with shielded signal amplifying apparatus, of external signal and power supply leads extending into said apparatus, flexible inductive filter elements adjacent to the points of entry connected serially in said first and second named leads, providing with the distributed capacity thereof with respect to said shield and said power supply and leads high frequency noise filters for said leads, said inductive elements each comprising a single layer conductive winding having an internal diameter of the order of one-sixteenth of an inch, and having a length at least of the order of one inch.

2,355,183
SUCTION CLEANER
Eugene L. Snyder, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 15, 1942, Serial No. 439,052
5 Claims. (Cl. 15—16)



1. A sectional casing for suction cleaners comprising a base forming in part walls of a nozzle and a suction air passageway, a complete converter opening in said base, a wall extending rearwardly from the nozzle and having a depressed wall area, an opening extending through said base between said nozzle and depressed wall area, a housing member cooperating with said base to complete said nozzle and suction air passageway, a fan casing section recessed in said opening and resting on said base and secured to said base and housing member and communicating with said suction air passageway, a motor unit removably recessed in said depressed wall area and including a fan casing wall removably attached to said fan casing section to complete a fan chamber, and a shell member enclosing the exposed portions of said motor and fan casing.

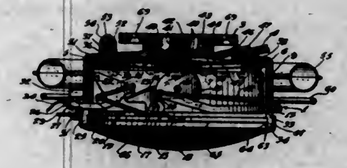
2,355,184
QUENCHING APPARATUS
Howard E. Semes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Original application May 10, 1941, Serial No. 392,867. Divided and this application May 25, 1942, Serial No. 444,346
5 Claims. (Cl. 266—6)



1. In a quenching device, a reciprocable quenching head provided with a tubular quench supply rod, a fluid pressure cylinder having a reciprocable piston therein, said rod extending through one end of said cylinder and being connected to said piston, said piston being movable from the other end of said cylinder to said one cylinder end and having a port in its side communicating with the interior of said rod for conducting quenching fluid thereto, said cylinder having a fluid pressure connection at said one end for moving said piston toward said other end and having a port therethrough for registration with said piston port when said piston is at said one end, and a common fluid supply means for said connection and cylinder port.

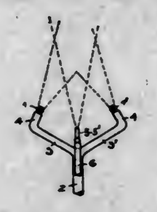
2,355,185
ACTUATOR
William A. V. Thomsen, Montclair, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application March 19, 1941, Serial No. 384,047
13 Claims. (Cl. 169—1)

13. In an actuator of the type described, the combination comprising: a casing having an open end, a normally restrained actuating mechanism, means for effecting actuation of said mechanism including an operating member disposed in said casing, a diaphragm member responsive to pressure impulses due to an explosion, said diaphragm member being at the open end of said casing and



adjacent said operating member for effecting movement thereof, and slow fluid pressure impulse transmitting means at the open end of said casing, whereby said diaphragm member is affected only by the pressure impulses of a true explosion.

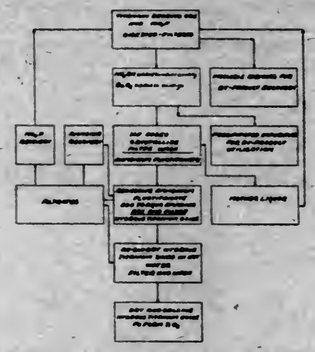
2,355,186
METHOD OF FORMING A BRIGHT METALLIC DEPOSIT ON THE SURFACE OF OBJECTS
Max Tischer, Bor U C Lipy, Czechoslovakia; vested in the Alien Property Custodian
Application December 27, 1937, Serial No. 181,966
In Czechoslovakia December 29, 1936
1 Claim. (Cl. 117—35)



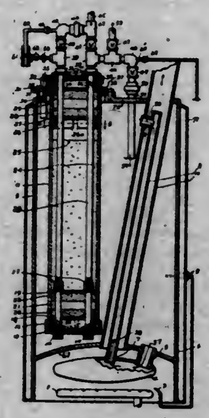
The method of forming a bright metallic deposit on the surface of an object which comprises separately and simultaneously atomizing a metallic salt solution on the one hand and a corresponding reducing solution on the other hand, simultaneously mixing these atomized solutions together and causing the atomized mixture thus formed to act on the object to be coated with said metallic deposit, and introducing at least one hot gas having a reducing action into the atomized mixture which is thus acting on the object.

2,355,187
PROCESS OF MANUFACTURING TITANIUM PIGMENT
Seldon P. Todd, Gloucester City, and Fredric C. Verduin, Audubon, N. J., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
Application March 2, 1940, Serial No. 321,974
10 Claims. (Cl. 23—202)

1. In a process of making titanium dioxide the steps which consist of digesting titanium-bearing material with ammonium fluoride and forming a complex titanium-ammonium-fluoride solution carrying metallic compounds as impurities, removing the insoluble impurities, adding acid to increase the acidity of the solution, crystallizing out ammonium fluotitanate, separating the crystals from the liquor and redissolving them in water free from ammonium fluoride, precipitating hydrous titanium oxide by mixture with aqua ammonia, separating the precipitate, washing and calcining.

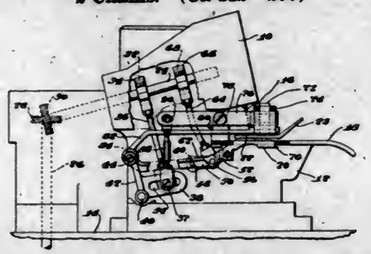


2,355,188
COMBINATION WATER SOFTENER AND HEATER WITH REVERSE FLUSH
William J. Towles, Los Angeles, Calif., assignor to himself and Donato F. Sisto, Los Angeles, Calif.
Application July 15, 1942, Serial No. 451,005
7 Claims. (Cl. 122—16)



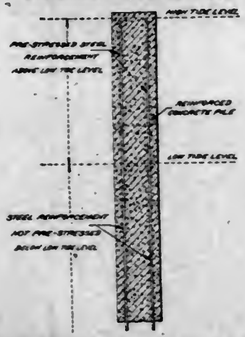
1. In a water heater and softener, a shell of an elongated upright form with a bottom and top, means for heating the contents of said shell, a flue extending from the bottom in an inclined position through the shell with an escape end above the top, a spreader having a communicating connection with the shell through the bottom of the shell for an intake and having another communicating connection with an additional heating element for an outlet, said heating element extending through a large part of the length of the flue with an outlet into the shell through the side of the flue near the top of the shell, and a water softening means in the shell approximately parallel to the flue and having an inlet and means to discharge into the shell, the shell having an outlet for water coming from the softening means.

2,355,189
FEEDING MECHANISM FOR SEWING MACHINE HEADS
Edgar H. Toxier, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application August 12, 1941, Serial No. 406,455
2 Claims. (Cl. 112—207)



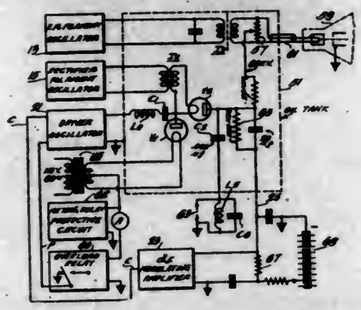
1. In a sewing machine of the character described having a needle, feeding mechanism for feeding multi-ply flexible material in successive increments and in timed relation to said needle to perform the sewing operation comprising a lower serrated feeding member mounted to be horizontally reciprocable in a substantially rectilinear path, an upper serrated and horizontally reciprocable feeding member cooperating with said lower member, means for effecting reciprocation of said upper and lower feeding members including a bell-crank, and means for effecting movement of said upper feeding member into and out of operative engagement with said lower feeding member during said reciprocal movement, said last named means including a substantially horizontal bar pivoted intermediate its ends upon a fixed pivotal point, one end of said bar being arranged to slidingly carry said upper feeding jaw and connections between said bar and said bell-crank whereby to positively grasp the plies of material being fed and to maintain them in their initially superposed relation during the sewing operation.

2,355,190
PRESTRESSED COMPOSITE PILE
Maxwell M. Upson, Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey
Application June 20, 1942, Serial No. 447,872
3 Claims. (Cl. 61—56)



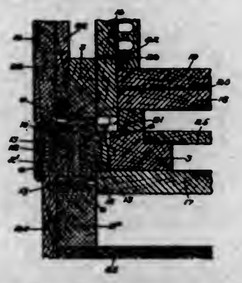
1. A concrete pile having steel reinforcement throughout its length, the reinforcement in a pre-selected portion of said pile being pre-stressed as compared with the reinforcement elsewhere in said pile.

2,355,191
POWER SUPPLY FOR ELECTRON MICROSCOPES
Arthur W. Vance, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application November 15, 1940, Serial No. 365,750, now Patent No. 2,302,900, dated November 24, 1942. Divided and this application April 28, 1942, Serial No. 440,771
7 Claims. (Cl. 250—27)



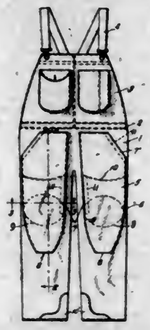
1. In a device of the character described, a source of radio frequency oscillations, resonant means for deriving a voltage from said source, a voltage doubling rectifier including a pair of thermionic tubes having cathode and anode electrodes coupled to said resonant means, and a second source of radio frequency coupled to the cathode of one of said tubes for energizing said cathode.

2,355,192
PREFABRICATED BUILDING
Konrad L. Wachsmann and Walter Gropius, Lincoln, Mass., assignors to General Panel Corporation, New York, N. Y.
Application May 30, 1942, Serial No. 445,216
9 Claims. (Cl. 20—2)



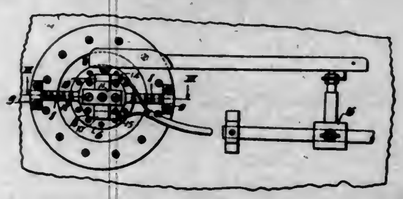
1. In a building structure, the combination of two adjoining building units and a joint connecting said units and comprising two overlapping cross pieces anchored, respectively, in said units and projecting toward and disposed in an overlapping relationship to each other, said cross pieces being provided with slots in said overlapping portions, which slots register with each other, a connector extending through said registering slots, each of said cross pieces having a slot near its outer end, wedges driven through said slots and securing them in said units, said connector having slots in its opposite ends, and wedges securing said ends to additional building members to join them to said units in abutting relationship thereto.

2,355,193
OVERALL GARMENT
Ulysses Sylvester Walker, Austin, Pa.
Application March 13, 1942, Serial No. 434,582
2 Claims. (Cl. 2—79)



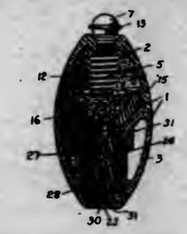
1. An overall garment having legs with substantially rectangular members of a width to cover the front portions of the legs and a length to extend above and below the knees, said members secured to the garment by marginal lines of stitching adjacent their long edges whereby kneeling strains are divided between the fabric of the garment and said members, one of the marginal lines of attachment stitching of each member being interrupted adjacent the knee to constitute a pocket mouth, the said marginal seams of each member converging below said pocket mouth, the bottom edge of each member being free and unattached to the garment intermediate the marginal seams.

2,355,194
MECHANICAL IMPEDANCE MEASURING DEVICE
Alpha M. Wiggins, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1943, Serial No. 481,119
10 Claims. (Cl. 73—51)



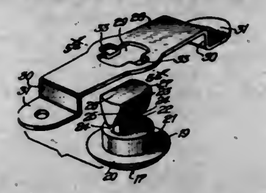
1. Apparatus for measuring the mechanical impedance of a movable mechanical element wherein said apparatus includes a vibratory driving device, means for connecting to said device a source of power for actuating said vibratory device at a predetermined frequency, a pair of similarly tuned vibratory elements having substantially equal predetermined inertias and compliances, one of said pair of vibratory elements having means adapted to receive said mechanical element to be measured, means including said driving device for providing forced vibration of both of said tuned elements, means for deriving potentials in response to said vibration of said tuned elements, means for balancing said potentials, means for supporting said movable mechanical element in operable relation with said one of said tuned elements to load said element to provide unbalance of said potentials, and means for indicating said mechanical impedance of said movable mechanical element in terms of said unbalanced potentials and said predetermined inertias and said compliances of said tuned elements.

2,355,195
SWITCHBOARD IMPLEMENT
George M. Wilhelm, New York, N. Y.
Application August 20, 1941, Serial No. 407,609
9 Claims. (Cl. 222—123)



1. In a device for coating electric contacts, a housing having an upper chamber and a lower end, a plunger having a stem, said stem slidably movable and confined within said lower end, said plunger having an enlarged upper end extending upward into and movable in said chamber and a duct connecting both ends of said plunger retracting means moving said plunger in one direction and absorbent material above and compressed by said plunger and said enlarged upper end when moved in the other direction to force liquid out of said absorbent material through said duct to the lower end of said stem, whereby pressure applied to the lower end by the electric contact compreses said absorbent material to force liquid onto said contact.

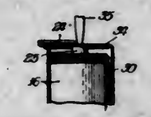
2,355,196
FASTENING DEVICE
Victor F. Zahodiakin, Maplewood, N. J.
Application November 20, 1940, Serial No. 366,397
3 Claims. (Cl. 24—221)



1. A fastening device of the character described comprising a locking device in combination with a plurality of plate members, said locking device providing a neck and a cam member having an enlarged portion and a reduced portion merging one to the other with flaring side walls, the cross-sectional area of the cam member transverse thereof and longitudinally of the neck being greater than that of the neck in the same plane, and the cam member being symmetrical with respect to the neck and adapted to be inserted straight through said plurality of plate members to its innermost position and thereafter rotated 90° for locking said plate members in clamped condition, said locking device having a bridged spring member attached to one of said plate

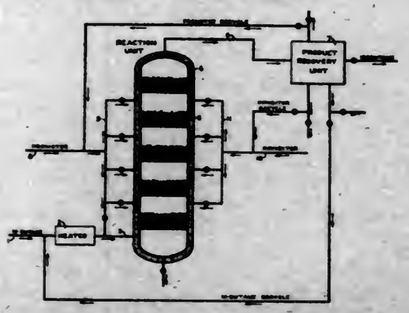
members, said spring member having a rectangular aperture and having depressed portions next the aperture facing away from said plate members, said bridged spring member adapted to be depressed, said cam member having a stem rotatable in said aperture, and said flaring side walls projecting laterally from said stem and converging downwardly and thereby rotatable in either clockwise or counter-clockwise direction into locking position, whereby when turning the locking device in either clockwise or anti-clockwise direction to locked position the said side walls will ride against the sides of the rectangular aperture to depress the spring member and enable the reduced portion of the cam member to be rotated over the spring member and into registration and engagement with said depressed portions thereby securely locking together the juxtaposed plate members.

2,355,197
BATTERY CONSTRUCTION
Herman R. C. Anthony and Henry G. Friang, Madison, Wis., assignors to Marathon Battery Company, Wausau, Wis., a corporation of Wisconsin
Application December 10, 1941, Serial No. 422,325
7 Claims. (Cl. 136—132)



1. A battery comprising a cell, a flexible casing enclosing the battery, the casing being formed of a material which is non-conducting and impervious to the constituents of the cell, electrical connections extending through small openings in the casing and soldered to the terminals of said battery, the material of said casing being destroyed by soldering heat to provide said openings at the point of soldering said electrical connections to said terminals, the solder employed for holding said connections to said terminals also serving to close said openings.

2,355,198
CATALYTIC CONVERSION OF HYDROCARBONS
Harold V. Atwell, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 7, 1942, Serial No. 453,957
9 Claims. (Cl. 260—683.5)



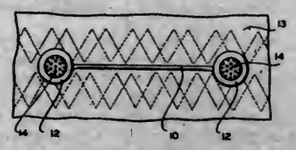
9. In the catalytic isomerization of hydrocarbons wherein a stream of hydrocarbon is passed through an elongated substantially adiabatic reaction zone containing a substantial mass of conversion catalyst, the hydrocarbons undergoing isomerization during passage through the catalyst mass and the temperature of the hydrocarbons is increased as they pass therethrough from inlet to outlet of the reaction zone due to the exothermic heat of the conversion reaction, the improvement which comprises injecting an inhibitor of hydrocarbon cracking at a plurality of succeeding points in the reaction zone between said inlet and outlet and correlating the amount injected with the increasing temperature of the reaction so as to substantially inhibit hydrocarbon cracking during the course of the reaction.

2,355,199
WELL PLUG
Ross Bassinger, Houston, Tex.
Application May 6, 1940, Serial No. 333,584
7 Claims. (Cl. 166—12)



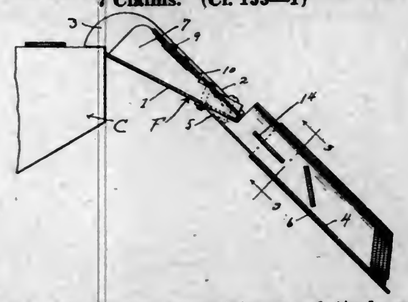
1. A well packing device including, a support, an anchor attached to said support and having depending anchoring blades, means carried by the support for holding the device against rotation, a packer carried by the support, means carried by the support for expanding the packer and securing the device in a well casing, and means engaging and movable longitudinally of the support for actuating the expanding and securing means.

2,355,200
HANDLE FOR MATTRESSES AND CUSHIONS
Michael Bechik, St. Paul, Minn.
Application June 24, 1941, Serial No. 399,499
2 Claims. (Cl. 5—345)



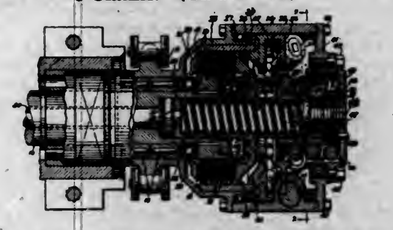
2. A handle for mattresses and the like, comprising a bar-like hand engageable portion, round loop ends formed on said bar, circular cup-like grommets entirely covering said loop ends, spring fingers having enlarged end portions extending from the periphery of said cups, whereby said end portions may be extended through the wall of the mattress and a reinforcing washer and be riveted over against the washer to firmly secure said handle to the mattress wall.

2,355,201
COIN PACKER
Selwyn R. Blackstone, Madison, Wis.
Application January 12, 1943, Serial No. 472,108
7 Claims. (Cl. 133—1)



4. A coin packer comprising a relatively wide flat funnel having a bottom wall and a top plate, said top plate and bottom wall being spaced apart at the discharge end of the funnel a distance only slightly greater than the thickness of a coin, a transversely elliptical coin chute secured at one end to the discharge end of the funnel, the funnel and chute being relatively disposed to have the bottom wall of the funnel oblique to the longitudinal axis of the chute and below the major axis of the elliptical cross section thereof with said top plate lying in the longitudinal axis of the chute.

2,355,202
OVERLOAD RELEASE CLUTCH
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 8, 1943, Serial No. 475,077
9 Claims. (Cl. 192—56)



1. In an overload release clutch, a driven member, a friction clutch for driving said driven member, a driving member, a preloaded compression spring for urging said driving member in a direction towards said clutch, and angularly disposed thrusting means interposed between said driving member and said clutch, for driving said clutch and reacting against said spring, to release said clutch upon an overload on said driven member predetermined by said compression spring.

2,355,203
SEPARATION OF SOLIDS FROM MIXTURES OF SOLIDS AND LIQUIDS
Edward L. Cole, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 2, 1943, Serial No. 474,487
5 Claims. (Cl. 196—18)

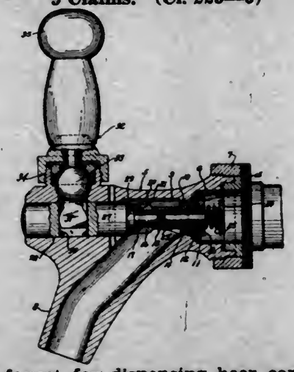
1. The method of separating waxy material from a mixture of oil and waxy material which comprises mixing the feed mixture with a mixed solvent, in substantial amount, consisting essentially of a mixture of a chloronitro paraffin having from about 2 to 3 carbon atoms per molecule and a solvent for oil, the oil solvent amounting to about 15 to 65% of the solvent mixture, chilling the mixture of feed and solvent to a temperature at which waxy constituents separate from the mixture in solid form while the oil remains substantially completely dissolved in the solvent, and removing the solidified constituents therefrom.

2,355,204
AUTOMOTIVE VEHICLE RUT FILLER AND ANTISKID STRUCTURE
Kibbey W. Couse, Newark, N. J.
Application November 24, 1943, Serial No. 511,546
5 Claims. (Cl. 37—172)



4. For an automotive vehicle including a chassis having a pair of side members and a front cross member and supported adjacent its front end by a pair of front wheels carried by a front axle, a rut filler and anti-skid structure comprising a pair of strong plates arranged in V shape and anchored together along the apex portion of the V, which portion is fastened at the top to a front chassis member, the plates extending below the plane of the vehicle front axle and having their rearward upper portions fastened to their respective chassis side members within the wheel gauge of the vehicle.

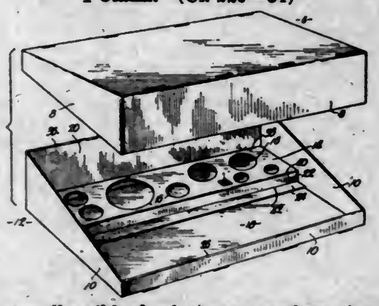
2,355,205
FAUCET FOR DISPENSING CARBONATED BEVERAGES
Carl L. Daun, Milwaukee, Wis., assignor to Chill-Quick Corporation, a corporation of Wisconsin
Application April 16, 1941, Serial No. 388,755
5 Claims. (Cl. 225—6)



1. A faucet for dispensing beer comprising a hollow body having inlet and discharge ports, a beer valve therein biased to closed position and operable when opened to provide for flow from the faucet of a relatively large volume of beer at low velocity, a carrier sleeve for said beer valve open to the inlet side of the beer valve and having a valve chamber on the outlet side of the beer valve, said valve chamber having a restricted discharge orifice, a foam valve disposed in said valve chamber in controlling relation to the discharge

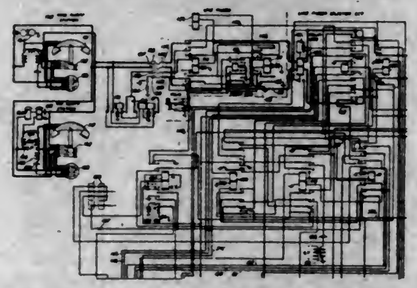
orifice thereof and operable when opened and the beer valve is closed to provide for flow through the carrier sleeve and through the restricted discharge orifice of the valve chamber of a small volume of beer at high velocity and consequently of the flow of foam from the faucet, a common valve stem for both of said valves extending through said carrier sleeve, a single operating lever fulcrumed on the faucet body and connected to said stem on the outlet side of the beer valve, said foam valve being interengageable with said sleeve to provide a one way driving connection between the stem and the carrier sleeve to move the beer valve to open position when the operating lever is moved in one direction, and a spring connection between the valve stem and the end of the carrier on the inlet side of the valve to provide a yielding driving connection between the stem and the sleeve when the operating lever is moved in an opposite direction to thereby close the beer valve and open the foam valve.

2,355,206
FOLDING FOOD SERVING BOX
Samuel O. Davidson, Jr., Kansas City, Mo., assignor to National Paper Box Co., Kansas City, Mo., a corporation of Missouri
Application May 29, 1942, Serial No. 444,996
1 Claim. (Cl. 229—34)



In a collapsible food storage and serving box adapted for use as a lap table, a section formed of a single blank comprising a bottom, a rear wall, a front wall of lesser height than the rear wall and two side walls, said walls extending upwardly from the bottom when the box is in operative condition, each side wall being formed trapezoidal in shape and tapering in width from the rear wall to the front wall, an extension from the upper edge of the rear wall scored along lines parallel thereto to provide a panel, a shelf, a flange and a flap, the flap being secured to the bottom in spaced relation to the rear wall and extending outwardly from the flange in a direction opposite to the shelf, each side wall being provided with an integral tab adjacent the rear wall, interengaging means on each tab and on the rear wall to retain the tabs in secured position along the outer face of the rear wall, the combined width of said panel, the shelf and the flange being equal to the distance between the upper edge of the rear wall and said flap when the box is collapsed with the rear wall in a plane with the bottom, whereby said panel, the shelf and the flange lie in a plane with the flap and in direct superimposed relation upon the inner face of the bottom, said panel being along one edge of the shelf to support said one edge thereof, said flange being along the opposite edge of the shelf to support said opposite edge, and means formed in the shelf for supporting food or food containers.

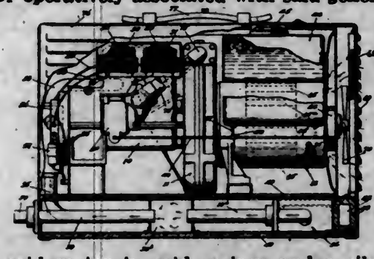
2,355,207
TELEPHONE SYSTEM
Joseph W. Dehn, Great Neck, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 20, 1943, Serial No. 495,488
6 Claims. (Cl. 179—17)



1. In an automatic switching telephone office, lines including party lines having individual subscribers' stations with dials for each party, said lines and said party line stations having individual characteristic indicating means, line finders, register senders, means responsive to the initiation of a call over a line for connecting a line finder and a sender therewith, means operable in said sender for determining the character of a line connected thereto, means in said sender for determining and recording which party station of a party line is calling, means responsive to the connection of a party line with a sender for associating said sender party line station determining means with said line, a line finder locking device associated with the line finder, means in said party line station determining means operable in response to its connection with certain party line stations for operating said line finder locking device, means in said sender for completing a telephone connection corresponding to the digit pulses dialed by the calling subscriber and thereupon automatically disconnecting itself from said connection leaving the line finder locked to the calling line, means responsive to the release of the line by the calling subscriber controlled by said line finder locking device for reconnecting a sender with said line, a party line testing trunk, selectors associated with said line finder, means in said latter sender operated under the control of said line finder locking device for automatically causing the transmission of digit pulses by the sender for operating one or more of said selectors to connect said testing trunk with said line, and means in said testing trunk to determine the condition of said line and from the condition of the line determine whether the first sender correctly recorded the calling party line station.

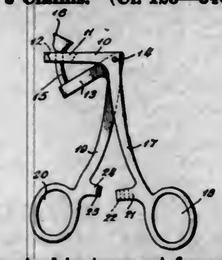
2,355,208
MOTOR-GENERATOR
George C. Devol and Hall Langstroth, Greenwich, Conn., assignors to Maguire Industries, Incorporated, a corporation of New York
Application July 5, 1943, Serial No. 493,496
4 Claims. (Cl. 290—1)

1. Portable apparatus for generating electric impulses comprising a casing having air intake and air outlet openings therein; a generator having air passages therethrough mounted in said casing; and an air-cooled motor for operating said generator mounted in said casing; in combination with a supercharger for drawing air through the passages in said generator and supplying cooling air and supercharging air to said motor operatively associated with said generator



and said motor in said casing; and a silencer and muffler connected in series in said casing into which said motor exhausts.

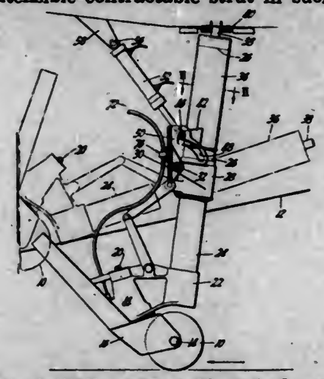
2,355,209
SURGICAL INSTRUMENT
Leon C. Dwoyer, Linden, N. J.
Application December 7, 1942, Serial No. 468,681
3 Claims. (Cl. 128—346)



2. In a surgical instrument for use in performing circumcisions, in combination an arm having an opening providing a clamping seat, a member pivotally connected to said arm having said clamping seat, a clamping element having a portion cooperating with said clamping seat and a stem extending through the opening of said arm, one end of said stem being fastened to said portion and the other to said member and a handle for pivoting said member about its pivot point thus pulling said clamping element in such direction as to draw the clamping portion thereof evenly toward said clamping seat.

2,355,210
AIRPLANE RETRACTIBLE TAIL WHEEL OR SKID MOUNT
Edwyn A. Eddy, Stewart Manor, Long Island, N. Y., assignor to Brewster Aeronautical Corporation, Long Island City, N. Y.
Application October 2, 1940, Serial No. 359,405
3 Claims. (Cl. 244—109)

1. A retractable tail support mounting for an aircraft comprising a main strut member pivotally mounted by means of a connection device intermediately of its ends to a fixed portion of the aircraft, a tubular control member slidably mounted in telescopic relation upon an end portion of said main strut and having a portion adapted to engage a second connection device at another fixed portion of said aircraft to provide a cantilever mounting of said strut upon said aircraft when said main strut is in extended position, an extensible-contractable strut device mounted at one of its ends upon said aircraft fixed structure and directly connected at its other end to said control member at a position between said connection devices and so disposed as to extend substantially laterally of the direction of said cantilever mounting connection devices and in a direction substantially offset from said first connection device to function as a diagonal brace for said main strut, and a guide device mounted upon a stationary portion of said aircraft and engaging said control member so as to guide the movements of the latter in response to forces of said extensible-contractable strut in such manner as to initially cause said control member to slide within predetermined limits relative to said main strut for disengagement of said control member from said second connection device and to subsequently direct said extensible-contractable strut forces to motivate said main strut pivotally about said first mentioned connection device into a position of retraction within said aircraft.

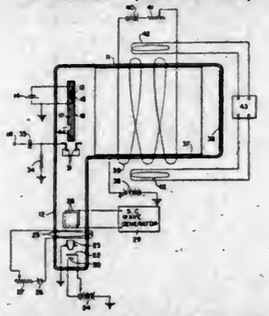


2,355,211
CONTACT OPENING INDICATOR FOR IGNITION GENERATORS
Theodore A. Erickson, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application January 23, 1943, Serial No. 473,401
3 Claims. (Cl. 116—124)



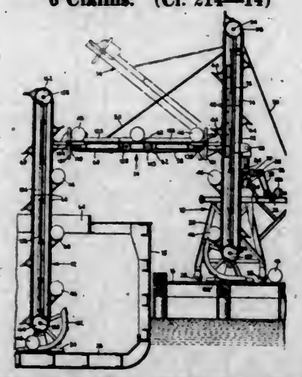
2. In a unitary contact-opening indicator for a plurality of ignition generators of different types having breaker mechanisms with relatively rotatable cams and circuit breaker contacts cooperative therewith; a scale which has a zero index and a plurality of other indices angularly offset therefrom and from each other to represent appropriate angular periods of opening of the circuit contacts of the respective generators, and which is constructed and arranged to be detachably fastened to a fixed part of the generators; and a pointer which is constructed and arranged to be detachably fastened to a rotatable element of the generators for angular movements therewith and is pivoted to and supported by the scale to form therewith a structural unit attachable to and removable as such from the generators, and which cooperates with the zero index and with that one of the other indices for the generator under test by indicating on the scale while the generator is inoperative the extent of the angular movement of the breaker mechanism covered by the open period of its circuit contacts.

2,355,212
IMAGE REPRODUCING DEVICE
Philo T. Farnsworth, Fryeburg, Maine, assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application June 20, 1942, Serial No. 447,757
9 Claims. (Cl. 178—7.5)



1. A cathode ray projection tube having a uniform source of electrons, a plurality of mutually insulated charge storage elements positioned adjacent said uniform source of electrons for controlling the emission of electrons therefrom in accordance with the individual charges on said elements, means for producing an unmodulated beam of electrons, means for deflecting said beam across said elements to liberate secondary electrons therefrom to produce charges thereon, a collector for collecting said secondary electrons, means for varying the potential of said collector in accordance with picture signals, thereby to control the charges on said elements, a luminescent target means, and means for directing the electrons from said uniform source onto said target means to produce a luminescent effect.

2,355,213
PORTABLE CONVEYER
James J. Flanagan, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 20, 1942, Serial No. 447,789
6 Claims. (Cl. 214—14)



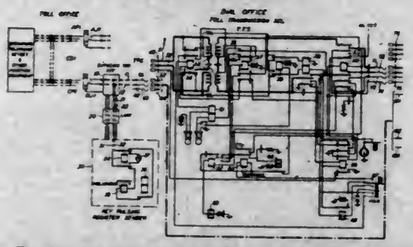
1. Cargo conveying apparatus comprising a dock conveyer unit, a ship conveyer unit, and a bridge conveyer unit operatively connected at one end to the dock conveyer unit and capable of operative engagement at its opposite end with the ship conveyer unit, means for moving the bridge conveyer unit into a substantially horizontal position and operative engagement with the ship conveyer unit, endless conveyers on each of said units for moving units of cargo, radially extending arms rotatably mounted on the opposite ends of said bridge conveyer unit for transferring said units of cargo to and from the adjacent dock and ship conveyer units and means for rotating said radially extending arms in synchronism with the conveyers of the bridge conveyer unit.

2,355,214
BOOKBINDER
Albert Freundlich, New York, N. Y., assignor to Spiral Binding Company, Inc., New York, N. Y., a corporation of New York
Application May 25, 1942, Serial No. 444,329
1 Claim. (Cl. 281—21)



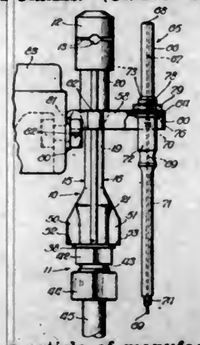
A binder for insertion into a stack of sheets provided with a series of aligned perforations along the binding edges thereof, said binder being made from a relatively thin and flimsy sheet of flexible material and composed of a plurality of fingers arranged in spaced parallel relation and arcuately curved web-like portions connecting one end of said fingers together, said fingers being distinct throughout their entire lengths and having a length equal to the width of the blank from which they are formed and said web-like portion being raised relative to said fingers, the length of such fingers being such that they form a loop extending through an arc greater than 360°, said fingers having relatively little resistance against forces tending to deform them and being arcuately curved so that the free ends of such fingers are positioned intermediate the raised web-like portions and overlap the exterior surfaces of the connected portions of such fingers a distance approximately equal to the length of said web-like portions.

2,355,215
TELEPHONE SYSTEM
Myron C. Goddard, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 6, 1942, Serial No. 464,811
8 Claims. (Cl. 179—27)



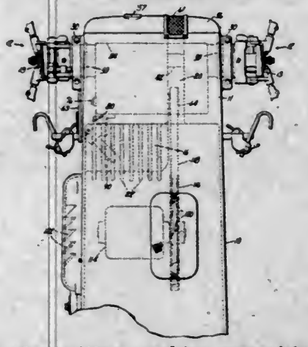
1. In an automatic telephone system, a trunk circuit comprising normally disconnected incoming and outgoing conductors, timing means for measuring a predetermined interval of time, means responsive to seizure of said incoming conductors for starting the operation of said timing means, means operated at the end of the measurement of said predetermined interval of time by said timing means to interconnect said incoming and outgoing conductors, means effective in response to a train of impulses received over said incoming conductors prior to completion of the measurement of said interval of time for preventing the interconnection of said conductors, and means effective at the end of a train of impulses received over said incoming conductors to again start the operation of said timing means.

2,355,216
PILOT BURNER
Stanley S. Gueison, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 19, 1942, Serial No. 431,489
4 Claims. (Cl. 158—99)



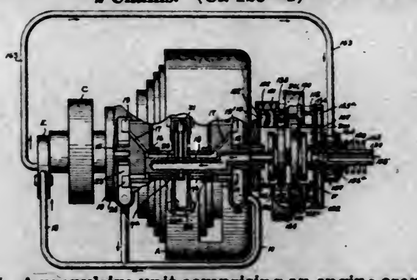
4. As a new article of manufacture, a burner comprising a sheet metal body provided with lengthwise outwardly projecting exterior flanges, and a sheet metal mounting bracket having an opening fitting about said body and said flanges thereof, said bracket having flange elements extending generally lengthwise of said burner body disposed at opposite sides of and crimped upon said body flanges securing said bracket to said burner body.

2,355,217
EDGE SETTING MACHINE
William Hamann, Irondequoit, and Ralph H. Weller, Rochester, N. Y., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application September 21, 1940, Serial No. 357,792. Divided and this application August 14, 1941, Serial No. 406,866
2 Claims. (Cl. 184—104)



1. An edge setting machine comprising a stationary housing having a partition in its upper portion arranged to form a casing for tool operating mechanism, said partition including an oil well and a vertically extending air passage, a heavy block located within said casing, edge-setting-tool operating mechanism including an oscillatable shaft and a rotatable drive shaft arranged to operate the oscillatable shaft, said shafts being journaled in the heavy block, a force feed lubricating system connected to the heavy block and arranged to lubricate the moving parts of the tool operating mechanism, and driving means for the rotatable shaft, said driving means including a fan arranged to force air past the oil well and through the air passage in the casing.

2,355,218
PROPULSIVE UNIT
Frank A. Howard, Elizabeth, N. J.
Application April 2, 1938, Serial No. 199,551, which is a division of application Serial No. 650,018, January 3, 1933. Divided and this application December 23, 1940, Serial No. 371,461
2 Claims. (Cl. 123—1)



1. A propulsive unit comprising an engine crank case, an internal combustion engine associated with the crank case and having a drive shaft protruding exteriorly from the side wall of the crank case, a lubricating system for the engine discharging into the crank case, a fluid clutch casing carried by the drive shaft, a conduit for lubricating oil leading from the engine crank case to the clutch casing for conducting all of the oil from the crank case to the clutch casing, fluid clutch mechanism in the casing adapted to receive oil from the casing for transmission through the clutch mechanism and back into the casing, and a conduit for the lubricating oil leading from the casing directly to the intake of the engine lubricating system for conducting all of the oil from the clutch to the lubricating system of the engine whereby complete flow of oil through the lubricating system and clutch casing is effected in series.

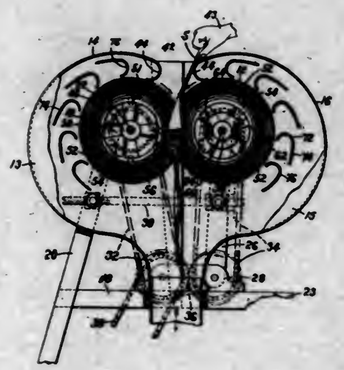
2,355,219
HYDROGENATION OF ARYL CARBOXYLIC ACIDS
Vladimir N. Ipatieff and Vladimir Haensel, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 31, 1943, Serial No. 489,153
10 Claims. (Cl. 260—668)

1. A process for producing alkyl aryl compounds which comprises reacting hydrogen and a member selected from the group consisting of aryl carboxylic acids and anhydrides of aryl carboxylic acids under hydrogenating conditions in the presence of a catalyst produced by subjecting to reduction a composite comprising copper oxide and at least another oxide selected from the group consisting of aluminum oxide and zinc oxide.

2,355,220
PRODUCTION OF RIBOFLAVIN FROM FERMENTATION RESIDUES
John C. Keresztesy, Westfield, and Edward Rickes, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application December 15, 1942, Serial No. 469,120
2 Claims. (Cl. 260—211)

1. The process that comprises directly extracting a riboflavin-containing fermentation mash with butanol, and precipitating riboflavin by addition of petroleum ether to the butanol extract.

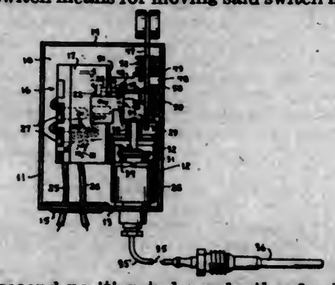
2,355,221
METHOD OF CLEANING HIDES AND SKINS
Ralph F. Knight, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application November 21, 1941, Serial No. 419,819. Divided and this application August 22, 1942, Serial No. 455,762
1 Claim. (Cl. 69—21)



That improvement in methods of cleaning the surfaces of tanned hides and skins which consists in brushing successive areas of the surfaces of a skin and applying blows alternately to opposite faces of the skin in substantially those same areas, causing it to flutter, and at the same time setting up a current of air directed outwardly through the brush bristles against the surface of the skin being brushed and substantially normal thereto.

2,355,222
ELECTRIC SWITCH
Frederick E. Lange, Lincoln, Nebr., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 11, 1941, Serial No. 401,949
10 Claims. (Cl. 200—87)

1. In an electromagnetically operated safety mechanism, a stationary electromagnet, an armature, switch means movable between first and second positions, means biasing said armature to a position wherein said switch means is in said first position and said armature is out of the attractive range of said electromagnet, actuating means for moving said armature to an intermediate position within the attractive range of said electromagnet without moving said switch means out of said first position, and means operatively connected to said armature and to at least a portion of said switch means for moving said switch means



to said second position independently of said actuating means upon said armature being attracted by said electromagnet.

2,355,223
LOOSE-LEAF BINDER
Adolph G. Lotter, Milwaukee, Wis., assignor to Stationers Loose Leaf Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 10, 1942, Serial No. 465,109
1 Claim. (Cl. 129—12)

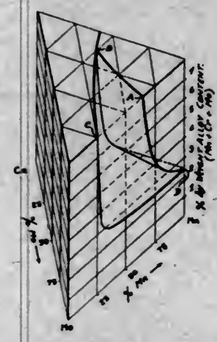


In a loose leaf binder having a pair of non-metallic binder heads with posts fixed to one of the heads and passing through holes in the other head, said other head having a recess in its top surface in line with each post hole therein, post gripping mechanism mounted in each of said recesses and comprising: an open bottomed substantially cup shaped housing stamped from sheet metal and having its top wall provided with a hole for the reception of the post and an aperture adjacent to the hole and having the edges of its side walls resting on the bottom of the recess; tangs projecting from the side walls and passing through the binder head and clinched over to hold the housing in place; a stamped sheet metal post gripping member inside the housing having a flat plate portion provided with a hole for the reception of the post, attaching ears on said plate portion overlying the inner faces of opposite side walls of the housing, and a releasing lever projecting from the plate portion and extending through the aperture in the top wall of the housing and overlying said top wall; a hinge pin passing through the attaching ears and the side walls of the housing to pivotally mount the post gripping member; and a spring biasing the post gripping member to an inclined post gripping position at which diagonally opposite edges of the post receiving hole therein bite into the post.

2,355,224
STEEL ALLOY
George V. Luerssen and Carl B. Post, Reading, Pa., assignors to The Carpenter Steel Company, Reading, Pa., a corporation of New Jersey
Application April 29, 1942, Serial No. 441,018
4 Claims. (Cl. 75—126)

1. A deep air hardening steel capable of being air hardened in sections at least as large as those

typified by sections 4 inches round x 4 inches long, from temperatures not higher than about 1600 degrees Fahrenheit, to give a Rockwell C (R_c) hardness of at least about 60 and a fracture grain size of at least about 8, and capable of being annealed to a condition sufficiently soft for commercial machining requirements, said steel having a carbon content of about 0.60 to



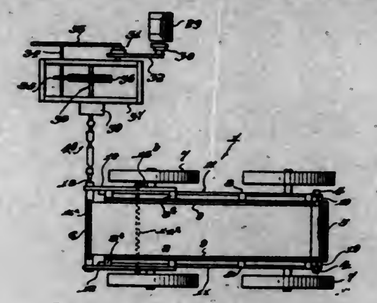
0.80 per cent., a total alloy content of about 3 to about 8 per cent. and the balance principally iron, and in which steel the relationship between the alloying elements, manganese, chromium, and molybdenum and the total alloy content is that defined by the volume A, B, C, D, delineated in Figs. 13 and 14, and the areas A^2, B^2, C^2, A^6, B^6, C^6, and A^{10}, B^{10}, C^{10} of Figs. 2, 6, and 10, respectively.

2,355,225
METHOD OF FORMING DEPOSITS BY SPRAYING
Wallace MacWilliam, Nutley, N. J., assignor to Resistoflex Corporation, Belleville, N. J., a corporation of New York
No Drawing. Application September 30, 1942, Serial No. 460,234
5 Claims. (Cl. 117—104)

1. The method of forming a homogeneous deposit free from occluded air bubbles from a water-miscible solution of polyvinyl alcohol of such viscosity that if sprayed by means of compressed air even at elevated temperatures it will form a frothy deposit, which comprises atomizing said solution by means of steam under pressure to form a spray, and depositing said spray on a surface.

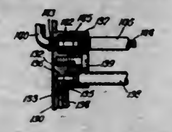
2,355,226
UNLOADING APPARATUS
Eugene H. Mallory, Hampton, Iowa
Application December 22, 1942, Serial No. 515,259
9 Claims. (Cl. 214—83)

1. An apparatus for unloading gathered crop material from a wagon having a box with side walls, a front wall and removable end-gate, comprising a drum located above the front wall of the wagon box, a drum disposed at a point beyond the rear end of the wagon box, an intermediate roller; a flexible medium spanning the width of the box and connected to the drums to provide a travelling element to carry the material to the rear drum as the load is being removed from the wagon, a rack assembly for removably supporting the rear drum, means for removably supporting the forward drum, means for securing the flexible travelling element to the drums; a power unit, means for adjustably and operably connecting the power unit to the rear drum, and means for automati-



cally releasing the travelling medium from the front drum as the load is removed from the wagon box.

2,355,227
THERMOELECTRIC SAFETY DEVICE
Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Original application January 8, 1937, Serial No. 119,557. Divided and this application November 8, 1941, Serial No. 418,371
3 Claims. (Cl. 174—47)

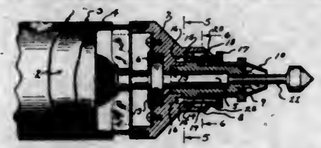


1. In connector means of the character described, a wall structure having therein a recess opening through one face thereof and a passage opening into said recess, a first metallic thimble mounted in and insulated from said wall structure and spaced from said recess, an attaching member extending between and overlying said recess and said thimble, a second metallic thimble mounted in and insulated from said attaching member in alignment with said first thimble, lead conductors respectively connected to said thimbles, a hollow conduit secured at one end in said attaching member, the latter having a port therein open at one end to the adjacent end of said conduit, a metallic coupling member seating at its ends in said thimbles, a tubular coupling member seating at its ends in said wall structure at the outer end of said recess and in said attaching member at the other end of said port thereof, and means for securing said attaching member to and forcing it toward said wall structure effective for clamping said coupling members in position.

2,355,228
MOTOR-DRIVEN TOOL
Henry E. Meltzer, Racine, Wis.
Application August 4, 1941, Serial No. 405,455
4 Claims. (Cl. 279—52)

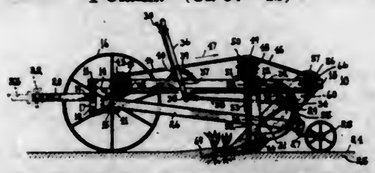
1. In a motor driven tool including a casing, a head secured to one end of the casing, a rotatable shank having a tool chuck extending beyond said head, a manually depressible disc non-rotatably mounted on said chuck and longitudinally movable thereon said head having keeper open-

ings therein, and annularly spaced pins carried by said disc for engagement in the keeper openings



in said head, when the sleeve is in one of its positions for locking said chuck and casing head against relative rotary movement.

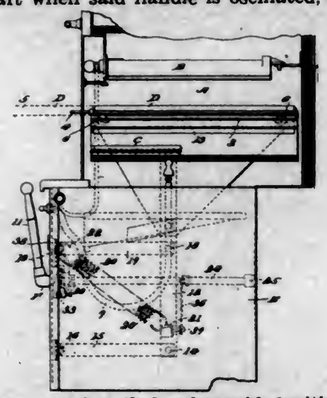
2,355,229
ROD WEEDER
Oscar E. Miller, Stratton, Nebr., assignor to Cheney Weeder Company, Cheney, Wash., a corporation of Washington
Application October 19, 1939, Serial No. 300,180
1 Claim. (Cl. 97—42)



In a machine for the purpose described, comprising an axle, a pair of oppositely disposed wheels secured to said axle, a frame having an end portion pivotally carried by said axle, means for connecting said end to a tractor for towing said frame forwardly and causing said wheels to rotate upon weed bearing soil for driving said axle, a plurality of spaced apart trailer-bars having forward ends pivotally secured to said axle, a caster-wheel for supporting the rear end of each trailer-bar, toggle-links pivotally secured to and disposed between said rear ends of each trailer-bar and the rear end of said frame, a plurality of standards having upper ends secured to said frame, a bar disposed transversely of said frame adjacent said soil and secured to the lower ends of said standards, a pivotally mounted weeder-rod disposed forwardly of said bar, a plurality of spaced apart plows secured to said bar having pointed ends disposed forwardly of said weeder-rod, a pivotally mounted cleaner-rod disposed forwardly of each standard, said weeder-rod and cleaner-rods being rectangular in cross section, means driven by said axle for causing said weeder-rod and cleaner-rods to rotate for respectively severing the roots of weeds from soil loosened by said plows and preventing the stalks of said weeds from lodging against said standards, means for operating each toggle for moving said rear end of said frame selectively away from or toward said soil, and detent means for holding said rear end of said frame in selected positions with respect to said soil for governing the depth of said plows and rod below the surface of said soil.

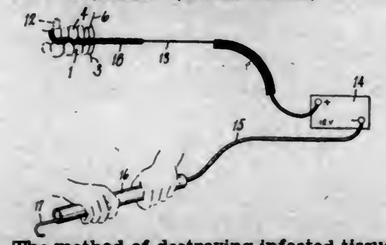
2,355,230
BROILER UNIT
Henry Moecker, Jr., and William Lotter, Cleveland, Ohio, assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application April 10, 1941, Serial No. 387,968
4 Claims. (Cl. 126—41)

1. In a cooking appliance, a cooking chamber having a burner and a grid therein, a horizontally disposed and rotatably mounted shaft operatively connected with said grid for moving the same toward and away from the burner, a vertically extending handle provided with a head at its lower end, said handle head being pivotally connected to said shaft and adapted to oscillate the shaft when said handle is oscillated, a fixed



lock plate, said handle head provided with means adapted to interlock with said lock plate, means normally holding said handle head and lock plate in interlocked relationship, and said handle being manually movable about its pivotal support to disengage its head with said lock plate.

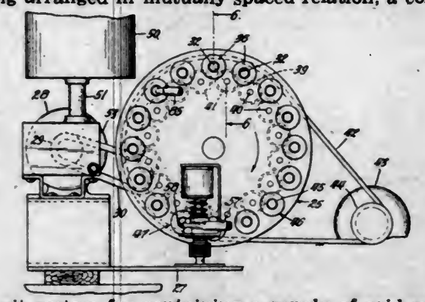
2,355,231
APPARATUS AND PROCESS FOR STERILIZING AND DESTROYING EPITHELIAL TISSUES
Clifton E. Moore, Grand Rapids, Mich.
Application November 9, 1940, Serial No. 365,062
In Canada October 23, 1939
5 Claims. (Cl. 128—172.1)



1. The method of destroying infected tissues in pyorrhea and like pockets, and of eliminating the epithelial lining of the walls thereof, comprising injecting a metallic salt-bearing, demulcent, jelly-like conducting agent into the pocket, conforming an electrical anode wire to the outline of the pocket and inserting the same into the pocket adjacent the infected tissue in the latter, applying a second electrode to another part of the patient's body, and causing a direct current to flow through said electrodes and the patient's body whereby to destructively attack the infected tissues in the pocket and the epithelial lining thereof.

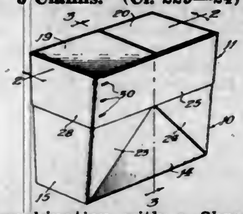
2,355,232
DRY CELL APPARATUS
George H. Nelson and Allison M. MacFarland, Freeport, Ill., assignors to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application July 25, 1941, Serial No. 403,952
17 Claims. (Cl. 91—42)

5. Apparatus for forming an adherent, substantially solid layer upon the interior cylindrical surface of a dry cell electrode from a liquid suspension of solid particles, comprising a frame rotatable about an axis thereof, means for rotating said frame, a plurality of cylindrical receptacles for said electrodes mounted for rotation about their axes on said frame, said receptacles being adapted to accommodate and impart rotation to said dry cell electrodes and being arranged in mutually spaced relation, a con-



duit system for containing a supply of said suspension, means for discharging a quantity of said suspension from said conduit system against the interior cylindrical surfaces of said electrodes at a predetermined station in the rotational travel of said frame, means for rotating said receptacles during a predetermined fractional part only of the rotational travel of said frame immediately following said injection of suspension into said electrodes.

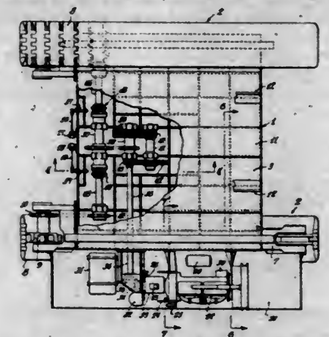
2,355,233
CONTAINER
Walter H. Newton, Chicago, Ill., assignor to Arvey Corporation, Chicago, Ill., a corporation of Illinois
Application February 19, 1943, Serial No. 476,387
3 Claims. (Cl. 229—24)



1. The combination with a fibre board container body formed of a unitary seamless blank and comprising a bottom, side walls, end walls, web members connecting the full length of adjacent edges of said walls and doubled along a diagonal line and folded against the adjacent side walls, and top closure flaps extending from said walls, of a separable slidably engageable, endless, relatively short collar embracing said body adjacent the top thereof, said collar comprising integral flaps extending from the upper edge of the sides thereof and folded downwardly to extend between the side walls of the container body and the overfolded wall connecting webs.

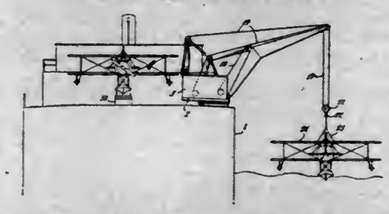
2,355,234
VEHICLE
Edward B. Nickles, Manitowoc, Wis., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis.
Application October 2, 1942, Serial No. 460,536
6 Claims. (Cl. 180—9.1)

1. A vehicle for carrying large objects comprising a relatively low car body for supporting the object to be carried, crawlers on each side of said car body, a supporting structure projecting outwardly laterally of one of said crawlers, a power plant located at the side of said car body and outside of the adjacent crawler and sup-



ported from said supporting structure, and power transmitting mechanism carried by said car body and operatively connecting said power plant and said crawlers, said power transmitting mechanism having a portion extending through the adjacent crawler.

2,355,235
SHIP CRANE
Edward B. Nickles, Manitowoc, Wis., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis.
Application June 12, 1943, Serial No. 490,585
4 Claims. (Cl. 212—3)

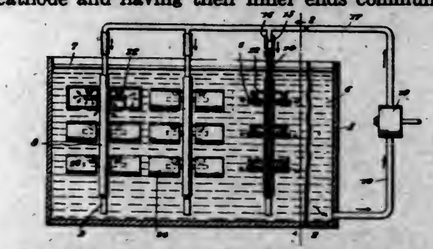


1. A ship crane comprising a power driven hoist drum, a hoisting cable operated by said drum, a hoisting member supported from said hoisting cable for attachment to the object to be hoisted, a plurality of stationary sheaves and a plurality of movable sheaves around which an intermediate part of said cable is looped, a cylinder, a piston within said cylinder operatively connected to said movable sheaves, said piston being moved by said movable sheaves when a load is imposed on said hoisting cable and compressing air within said cylinder to cushion any suddenly applied load, and means for maintaining a predetermined initial air pressure within said cylinder when there is no load on the hoisting cable.

2,355,236
ELECTROPLATING APPARATUS
Rodney H. Olsen, Racine, Wis.
Application September 30, 1942, Serial No. 460,242
1 Claim. (Cl. 204—275)

An electroplating apparatus comprising a tank open at its upper end and adapted to contain an electrolyte, a rod mounted in the upper end of said tank at a point above the level of electrolyte therein, a solid cathode disposed ver-

tically in said tank and having a hook at its upper end engaged over said rod to support the cathode in the tank in spaced relation to the bottom thereof, a tubular anode disposed vertically along said cathode and closed at its lower end, insulated fasteners supporting said anode from the cathode in spaced and substantially parallel relation thereto, perforated branch tubes carried by said anode and projecting laterally from opposite sides of the anode and the cathode and having their inner ends communi-



cating with the anode, brackets to support articles to be plated about the branch tubes formed from strands of wire each having its intermediate portion crimped and secured firmly against the cathode and its end portions projecting from opposite sides thereof and bent to form arms extending toward the anode and then laterally therefrom over the branch tubes and terminating in hooks, and a pump having a feed pipe communicating with the tank near the bottom thereof and a discharge pipe communicating with the upper end of the tubular anode.

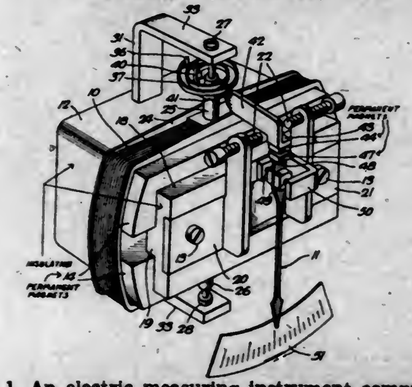
2,355,237

ELECTROMAGNETIC DEVICE

Theodore J. Pethes, Jr., Elmwood Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 9, 1942, Serial No. 457,707

5 Claims. (Cl. 171—95)



1. An electric measuring instrument comprising permanent magnets, a rotatably mounted coil surrounding said magnets, an arm carried by said coil, a magnet on said arm and separated from its center of rotation, an indicator, a pivotal mounting for said indicator for supporting said indicator for movement in a plane at an angle to the plane of movement of said arm, and a magnet carried by said indicator in spaced operative relation with the magnet on said arm to cause movement of said indicator in response to movement of said arm.

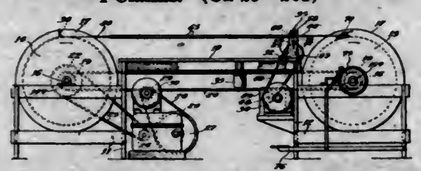
2,355,238

MACHINE FOR COAXIAL CABLE INSULATION

Carl A. Raabe, Chicago, Ill.

Application October 15, 1942, Serial No. 462,203

4 Claims. (Cl. 29—203)



1. In a machine of the character described, the combination of an elongated work table of convenient height, a pair of rotatable drums mounted on horizontal axes, transversely of the direction of length of the table, adjacent opposite ends of the table, one of said drums being adapted to have a substantial length of conductor wire wound thereon with a short end portion of said wire disposed freely on the table for stringing of insulated beads thereon in abutting relation, the other drum being adapted, after said portion of the wire is covered with beads, to have the terminal end of the wire connected thereto, manually controlled, reversible power driven mechanism operably connected to both said drums for simultaneously rotating them in the same directions, said drums during one direction of rotation causing the wire to be paid off said one drum and onto said other drum, and abutment means for restraining movement of said section of beads during winding of the wire onto said other drum, together with manually operated braking means for directly retarding rotation of said other drum and through said mechanism retarding rotation of said one drum when the driving of said power driven mechanism is interrupted.

2,355,239

BOTTLE-WASHING MACHINE

Philip C. Read, Shorewood, Wis., assignor to Dostal & Lowey Co., Inc., Menomonee Falls, Wis., a corporation of Wisconsin

Application January 4, 1941, Serial No. 373,062

4 Claims. (Cl. 198—24)



1. In a bottle washing machine the combination of: a conveyor track; an endless conveyor intermittently movable along said track for carrying bottles through the machine, said conveyor having transverse bottle carrying flights provided with sockets in which the bottles are supported in substantially vertical inverted position as the conveyor travels along the track; ejecting plungers operable beneath the conveyor for ejecting bottles upwardly from the sockets; mechanism for receiving the bottles ejected from the sockets of the conveyor; and a dip in the track adjacent to the ejecting plungers and inclined downwardly toward said mechanism for effecting tilting of the flights passing thereover so that bottles supported by said flights are tilted directly from their substantially vertical positions to positions leaning toward said mechanism, the length of said dip being substantially equal to the pitch length of one flight of the conveyor and the track portions directly adjacent to the dip being horizontal with one portion on a higher level than the other.

2,355,240

MINERAL OIL

Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application April 17, 1940, Serial No. 330,065

27 Claims. (Cl. 252—35)

1. An improved mineral oil composition comprising a mineral oil having admixed therewith an oil-miscible substantially stable condensation product of an hydroxyaromatic carboxylic acid in which part of the nuclear hydrogen is substituted with a long chain aliphatic hydrocarbon group having mineral-oil-solubilizing properties and in which the carboxyl hydrogen is substituted with its equivalent weight of metal and in which the hydroxyl group of the hydroxyaromatic group is substituted with the radical of an oxyacid which remains after removal of an acidic hydroxyl group therefrom, said condensation product comprising at least two aryl nuclei interconnected by at least one atom selected from the group consisting of sulfur, selenium and tellurium.

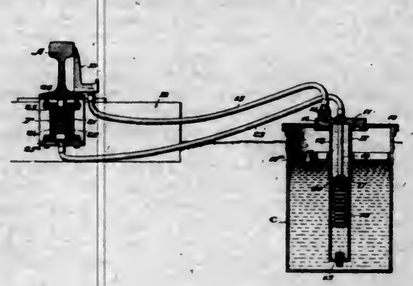
2,355,241

RAILWAY TRACK LUBRICATING APPARATUS

Thomas E. Rodman, Glencoe, and Harold G. Warr, Park Ridge, Ill., assignors, by direct and mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware

Application March 31, 1941, Serial No. 386,146

1 Claim. (Cl. 184—3)



Track rail lubricating apparatus including a lubricant reservoir, a lubricant distributing device for the track rail, a removable pump unit comprising a supporting head carried by the reservoir cover and provided with a valved outlet and with a pump fluid inlet, a pump chamber within the reservoir suspended at its upper end from the supporting head and provided at its lower end with a valved lubricant inlet communicating with the reservoir, the upper end of said pump chamber being in lubricant delivery communication with the valved outlet in said supporting head, a stationary ported member mounted within the pump chamber intermediate the upper and lower ends of the chamber and providing communication therebetween, and an expansible and contractible bellows-piston carried by said stationary member and in communication only with said fluid inlet of said pump unit supporting head, a piping connection between the valved outlet of the said supporting head and the lubricant distributing device, and a bellows-type actuator in closed fluid circuit communication through said pump fluid inlet with the bellows-piston within the pump chamber.

2,355,242

ASPHALT COMPOSITION CAPABLE OF COLD APPLICATION

Joseph C. Roediger, Brooklyn, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 19, 1940, Serial No. 370,785

2 Claims. (Cl. 106—280)

1. An asphaltic composition which is capable of setting and hardening on standing without the application of heat or pressure which comprises about 51 parts by weight of a reduced oil tar having a Furol viscosity of 175 seconds at 122° F., about 10 parts of finely divided asbestos fiber and about 39 parts of a powdered petroleum asphalt of 350° F. softening point tar asphalt prepared by vacuum reduction of a mixture of reduced crude and gas oil tars.

2,355,243

PAPER PULP STOCK WASHER

Louis J. Scheid, Watervliet, Mich., assignor to Watervliet Paper Company, Watervliet, Mich.

Application March 27, 1942, Serial No. 436,487

1 Claim. (Cl. 68—182)



In a washer for paper pulp stock, a plurality of washer tanks each having a stock inlet above the water level thereof and a cylinder mould therein, and a cooperating couch roll extending parallel to and above the mould to remove stock therefrom and elevate it, said washer tanks being disposed in vertically stepped relationship with the top of the couch roll of each tank extending above the inlet of the next higher tank, each couch roll having means for removing stock therefrom and for conveying it by gravity to the inlet of the next higher tank, means for supplying wash water to the highest tank, and a conduit extending from the interior of the cylinder mould of each elevated stepped tank to the next lower tank and adapted to convey entirely by gravity used wash water from said cylinder mould to said next lower tank for washing the pulp stock therein, means for conveying water from the interior of the cylinder mould of the lowest of said stepped tanks, and means for supplying stock to said lowermost tank for washing, and means for driving said cylinder moulds and couch rolls to separate stock from wash water and convey it from each tank to the next higher tank.

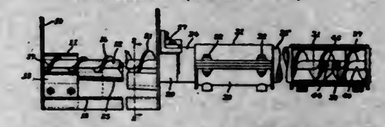
2,355,244

CONVEYER FOR COMBUSTION APPARATUS

Clark Scholl, Springfield, Ohio, assignor to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio

Original application October 17, 1938, Serial No. 235,328. Divided and this application December 10, 1941, Serial No. 422,419

5 Claims. (Cl. 198—64)



1. A stoker of the character described adapted to feed solid fuel from a bin comprising a worm

shaft having conveyer flights thereon extending into said bin, a flat-walled V-shaped trough positioned beneath said shaft where exposed in the bin, means for rotatably supporting one end of said worm shaft within said bin by contact of the flights thereof upon the walls of said trough and providing for free withdrawal and replacement of the shaft along the length of said trough, a conveyer tube extending away from said bin and receiving the other end of said worm shaft, a second worm shaft within said tube also having a conveyer flight thereon, and a universal joint normally connecting said two worm shafts in driving relation with each other, said universal joint providing for relative shifting in the axial alignment of said two shafts during rotation thereof and also providing for disconnecting said worm shafts to permit withdrawal and replacement of said first shaft, said universal joint being formed with a central portion not substantially larger in diameter than said shafts and having a portion of a flight formed thereon joining and in regular continuation of the flights on said worm shafts to normally effect continuous feeding of said fuel while avoiding packing and crushing of the fuel at said joint.

2,355,245

POLYMERS OF ALKYL GLYCOSIDES AND PROCESS FOR PREPARING THE SAME

Richard Seyfarth Schreiber and James Herbert Werntz, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 24, 1942, Serial No. 452,134
10 Claims. (Cl. 260—210)

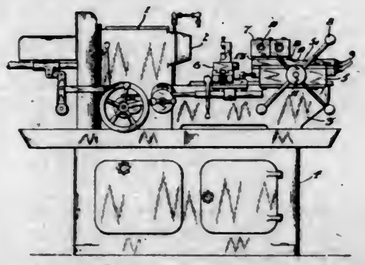
7. A water soluble high molecular weight condensation polymer of an alkyl glycoside.

2,355,246

LOCKING DEVICE FOR TURRETS

Frank S. Shields, Jamaica, N. Y., assignor to Morey Machinery Co., Inc., New York, N. Y., a corporation of New York

Application August 23, 1940, Serial No. 353,804
4 Claims. (Cl. 29—49)



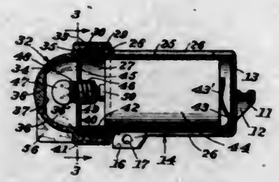
1. In a machine tool, in combination, a bed, a turret mounted thereon, said turret comprising a reciprocable member and an indexing head, clamping means between the reciprocable member and the indexing head adapted to simultaneously engage portions of the slide and head, means to actuate said clamping means comprising a pinion operatively connected with the clamping means to actuate the same, and a fixed rack to engage and rotate the pinion, said rack being of predetermined length whereby said pinion may be carried off the rack for adjustment of the clamping action.

2,355,247

LIFE PRESERVER LIGHT

Henry M. Slocum, New York, N. Y., assignor to Colvin-Slocum Boats, Inc., New York, N. Y., a corporation of New Jersey

Application August 27, 1942, Serial No. 456,392
4 Claims. (Cl. 240—10.68)



1. A substantially air tight and waterproof flashlight adapted for use by a person stranded at sea, comprising a cylindrical case having an an open end and a closed end, a strip of spring metal lying along the wall of the case and having one end hooked over the open end of the case in tight engagement therewith and the other end projecting inwardly from the side wall and spaced from the closed end and constituting a spring seat for a battery, a battery supported by said spring seat and urged outwardly toward the open end of the case, a one piece molded cap having an imperforate substantially transparent face and an integral outwardly projecting collar threaded upon the open end of the case in substantially air and watertight relation, said collar being joined to the lens by a shoulder, a socketed plate disposed within the collar of the cap and having its margins normally spaced outwardly from the hooked end of the strip, and a bulb in the socket enclosed by said cap and having its central terminal continuously contacted by the central terminal of the battery as the same is urged outwardly by said spring seat, the outward movement of the battery and the bulb being limited by the engagement of the socketed plate against said shoulder, whereby the plate may be brought into contact with the hooked end of the strip to complete the bulb circuit by screwing the collar upon the case.

2,355,248

BUILDING WITH AIR SUPPORTED ROOF AND METHOD OF CONSTRUCTING THE SAME

Herbert H. Stevens, Jr., Bantam, Conn.

Application November 26, 1942, Serial No. 466,982
12 Claims. (Cl. 108—1)



1. A building structure comprising a vertically extending relatively rigid peripheral support, a membrane of substantially impermeable ductile metallic material serving as a primary roof element shaped at its periphery to conform to that of said peripheral support, means for anchoring the periphery of said membrane with respect to said peripheral support, means for creating within the enclosure formed by said peripheral support and said membrane and the floor or bottom surface

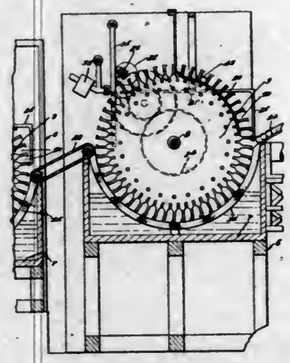
increase of pressure of the air within such enclosure to thereby support said membrane in raised position, thereby engendering within said roof membrane tensile stresses in all directions substantially parallel to the surface of said roof membrane, and heat reflecting means carried by said roof membrane internally of the enclosure of the building structure.

2,355,249

AUTOMATIC METAL TREATING MACHINE

Andrew Szabo, Jr., Lorain, Ohio

Application September 19, 1940, Serial No. 357,469
5 Claims. (Cl. 198—211)



1. In a machine of the character described wherein articles are adapted to be treated, article handling and article ejection means, a frame having a power driven shaft journalled therein, said shaft having secured thereto a vertically rotatable disc having formed in the periphery thereof a plurality of notches, each said notch being generally Y-shaped, the trailing side of each said notch being provided with a forwardly extending tooth at the throat thereof and restricting its width, a feed mechanism associated with said disc delivering articles into said notches just prior to their movement to confronting relation to the most rearward portion of an arcuately shaped guide element disposed closely adjacent a substantial arcuate portion of the lowermost peripheral surface of said disc and in alignment therewith, ejector means pivotally mounted on said frame, said ejector means being in riding contact with cam means secured on a second shaft journalled in said frame, said second shaft being connected to said power driven shaft by gear means and thus driven thereby, said ejector means discharging the articles retained therein during continued rotation of the disc at a particular discharge point position adjacent the ejector means, said guide element preventing the articles from leaving the notches during rotation of said disc before reaching said discharge position.

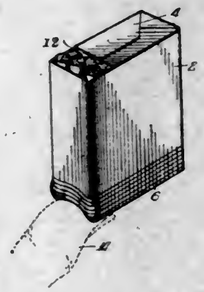
2,355,250

PACKAGE

Bernard H. Voss, Chicago, Ill.

Application October 28, 1942, Serial No. 463,611
1 Claim. (Cl. 206—41.2)

A substantially rectangular cigarette package or the like formed from sheet material to provide a wrapping for said cigarettes in the form of a container having a base and opposed wall, and oppositely disposed end and side walls therebetween, and which is further characterized by having a plurality of spaced lines of weakness at least in one of the end walls and across the adjacent corners formed by said end wall, and adjacent side walls and each extending substantially parallel to and being disposed adjacent the base



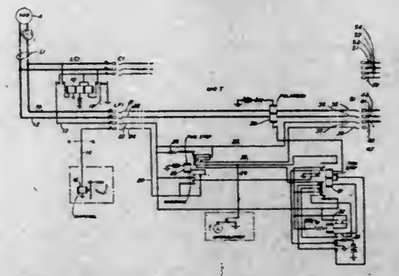
structure to weaken said wrapping lengthwise of said package whereby cigarettes contained therein are more readily removed successively therefrom without injury to said package through an opening in the wall of said wrapping opposed to said base structure by application of upward pressure to said base structure, said opening being disposed adjacent the end wall having said lines of weakness and having a length less than the width of said package.

2,355,251

TELEPHONE SYSTEM

John G. Walsh, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 15, 1942, Serial No. 469,090
6 Claims. (Cl. 179—11)



1. In a telephone system, subscribers' lines including message rate lines, means including a trunk circuit interconnecting a calling message rate line and a called line, said trunk circuit comprising a class-of-service relay, a message register for said calling line, the connection between the calling line and trunk circuit comprising a conductor interconnecting said message register and said class-of-service relay thereby to operate said relay, said register being marginal to prevent its operation in series with said relay,

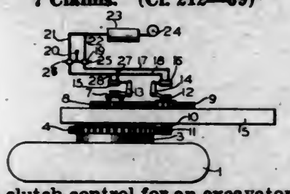
and means including contacts of said relay for operating said register responsive to the answering of the call at the subscriber's station on the called line.

2,355,252

CONTROL SYSTEM FOR EXCAVATORS

Fred L. White, Marion, Ohio, assignor to The Osgood Company, Marion, Ohio, a corporation of Ohio

Application July 29, 1943, Serial No. 496,669
7 Claims. (Cl. 212—69)



1. In a clutch control for an excavator; a movable element adapted to traverse a surface; a deck element rotatably associated with said movable element; a transmission element to traverse said movable element; a transmission to rotate said deck; a shiftable clutch for said traversing transmission; a shiftable clutch for said deck rotating transmission; a pressure fluid motor mounted on said deck associated with each clutch to open and close same; a source of pressure fluid; a reversing valve supported on said deck to govern the admission of pressure fluid to said motors; conduits connecting said valve and said motors; and said conduits connecting said valve and motors arranged such that one of said clutches will be engaged while the other of said clutches is disengaged.

2,355,253

BOLT AND LOCK NUT

Joseph E. Whitfield, Hamilton, Ohio

Application February 7, 1942, Serial No. 429,898
10 Claims. (Cl. 151—21)



1. A threaded bolt for the purpose described having an indented portion formed along the threaded length of the bolt, threads cut across said portion and arranged to connect the bolt threads on each side of said portion and form a continuation of the bolt threads.

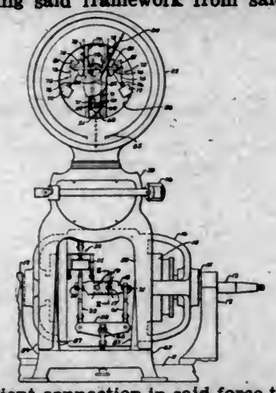
2,355,254

DYNAMOMETER

Maynard C. Yeasting, Highland Park, Mich., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application January 18, 1941, Serial No. 375,027
1 Claim. (Cl. 265—24)

Vibration isolating means for a force counterbalancing and indicating mechanism adapted to counterbalance and indicate the force exerted between a relatively heavy force producing means and its base, said force producing means being connected to said mechanism by a force transmission means, said force producing means also generating vibrations which are transmitted to said base, comprising in combination, a frame mounted adjacent said base, a frame work for said mechanism having depending legs telescopically overlapping said frame, resilient means interposed between said frame and said frame work at the upper and lower extremities of the overlapped portions thereof for vibrationally isolating said framework from said frame,



and a resilient connection in said force transmission means adapted to transmit steady force to said mechanism, whereby said force counterbalancing and indicating mechanism is subjected to the steady force of said force producing means and is isolated from vibrations generated therein.

2,355,255

NONFOAMING OIL-CONTAINING COMPOSITION

John C. Zimmer, Union, and William Seitz, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 2, 1941, Serial No. 421,284
6 Claims. (Cl. 252—35)

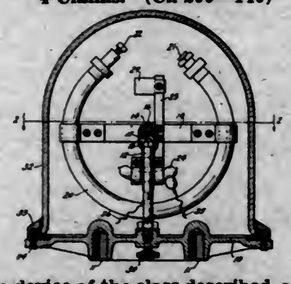
1. A composition comprising a petroleum hydrocarbon liquid having foaming tendencies, and 0.01 to 5.0% of a defoaming agent consisting essentially of a hydrocarbon amine reaction product of a sulfonated fatty compound selected from the group consisting of sulfonated derivatives of fatty oils and higher fatty acids.

2,355,256

LIGHT SENSITIVE DEVICE

Hugo Abramson, Eskilstuna, and Carl Eckers, Stockholm, Sweden, assignors to American Gas Accumulator Company, Elizabeth, N. J., a corporation of New Jersey

Application February 3, 1941, Serial No. 377,202
In Sweden October 3, 1939
4 Claims. (Cl. 200—140)



1. In a device of the class described, a container in the shape of a torus interrupted at its upper

part, means for pivotally mounting said torus about an axis coinciding with its geometric center, said torus being partially filled with a liquid and opposite portions of said torus having different light absorbing characteristics, and a control member actuated by pivoting of said torus.

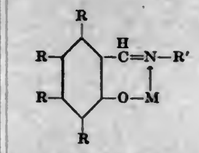
2,355,257

MINERAL OIL COMPOSITION

Darwin E. Badertscher, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application June 11, 1943, Serial No. 490,479
13 Claims. (Cl. 252—51)

1. An improved mineral oil composition comprising a viscous mineral oil having in admixture therewith a minor proportion, sufficient to stabilize said mineral oil against the deleterous effects of oxidation, of a chelate metal salt of a salicylidene imine, said salt being represented by the formula



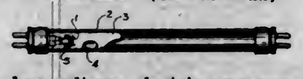
wherein R and R' are selected from the group consisting of hydrogen and a hydrocarbon radical and M is the hydrogen equivalent of a metal possessed of the capacity to form a chelate metal salt.

2,355,258

ULTRAVIOLET FLUORESCENT LAMP

Orrick H. Biggs, Beverly, and James L. Cox, Danvers, Mass., assignors to Sylvania Electric Products Inc., a corporation of Massachusetts

Application May 13, 1941, Serial No. 393,178
2 Claims. (Cl. 176—122)



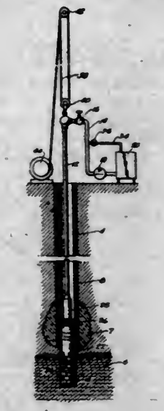
1. A low-voltage electric gaseous discharge lamp emissive of ultra-violet rays in a limited range of wavelength and effectively non-emissive of visible light rays, said lamp comprising: a single walled elongated tubular glass envelope for enclosing the discharge of said lamp, with the outer face of said envelope comprising the outer face of said lamp; a filamentary electrode mounted within said envelope adjacent each end thereof and electrically connected to lead-in wires extending through the ends of said envelope; a source of ultra-violet rays predominantly of 2537 Angstrom unit wavelength within said envelope and comprising a mixture of argon and a small quantity of mercury; means for receiving and translating said 2537 wavelength ultra-violet rays into a combination comprising ultra-violet rays in the range of 3000 to 3800 Angstrom unit wavelength and blue visible rays, said means comprising a layer of fluorescent material on the inner face of said envelope, directly exposed to the emission of said 2537 wavelength source and substantially completely covering said inner face; and means embodied in the composition of said glass envelope for limiting the output of said lamp to ultra-violet rays in the range of 3000 to 3800 Angstrom unit wavelength to the exclusion of 2537 wavelength rays and visible rays from either the 2537 wavelength source or the layer of fluorescent material.

2,355,259

APPARATUS FOR CLEANING SUBTERRANEAN WELLS

Charles Cotesworth Bancroft, Reno, Nev., and John William Frain, New Orleans, La.; said Frain assignor to said Bancroft

Substituted for abandoned application Serial No. 385,420, March 27, 1941. This application May 22, 1944, Serial No. 536,662
4 Claims. (Cl. 166—20)



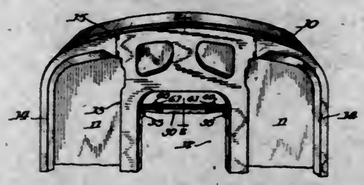
1. In apparatus for cleaning oil wells, a unitary cylindrical barrel of substantially uniform diameter throughout its length, the upper portion of the barrel being imperforate and the lower portion being formed with a multiplicity of lateral outlet openings spaced closely adjacent each other around the entire circumference of the barrel, a tubular plunger slidable in the imperforate upper portion of the barrel, a tubular drill stem connected to the plunger to supply fluid thereto, and means to reciprocate the drill stem and plunger.

2,355,260

FACEPLATE ARRANGEMENT

Eric A. Pihl and Harold M. Bing, Chicago, Ill., assignors to The Pullman Company, Chicago, Ill., a corporation of Illinois

Application September 11, 1943, Serial No. 501,946
11 Claims. (Cl. 105—21)



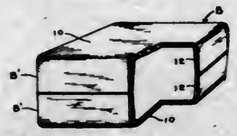
1. A faceplate having a buffing surface, a trough arrangement adapted to be secured to the faceplate beneath said surface including a support member and a gutter member, supporting brackets on the faceplate, attaching means at opposite ends of the support member engageable with the respective brackets, releasable means in said brackets engageable with the attaching means for locking the support member on the faceplate, said support member comprising an angle shaped member having an extended horizontal flange and an upright rear flange, bearing members on said horizontal flange, said

gutter having inner and outer upstanding flanges providing a channel shaped member open at opposite ends and mounted upon the horizontal flange of said support member for sliding movement on said bearing members relative to said upright rear flange, connections between the gutter and support member providing for relative movement therebetween, and compression springs between said inner flange and the upstanding rear flange adapted resiliently to maintain said flanges in spaced relation.

2,355,261
FUEL COMPOSITION
Francis M. Seger, Pitman, and Edwin M. Nygaard, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 21, 1942, Serial No. 435,718
6 Claims. (Cl. 44—57)

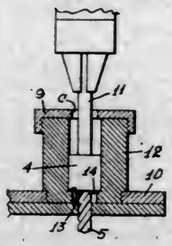
5. An oil composition comprising an oil selected from the group consisting of a Diesel fuel oil and a mineral lubricating oil, and in admixture therewith a minor proportion of trichloromethanesulfonylchloride.

2,355,262
CONSTRUCTION BLOCK AND METHOD OF MANUFACTURE
Henry H. Blau, Elmira, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application June 10, 1941, Serial No. 397,496
5 Claims. (Cl. 88—59)



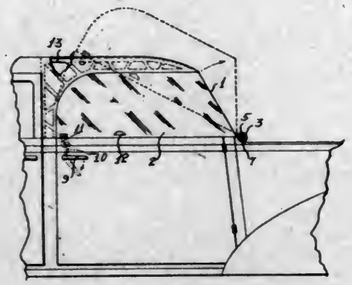
1. Two hollow glass parts arranged with their hollow portions facing one another and their adjoining edges fused to each other to form a hermetically sealed hollow building unit, said unit being composed of opacifiable glass and the portion of which is in the vicinity of the joined edges being opacified.

2,355,263
DRILLING UNIT FOR JIGS OR THE LIKE
Sam Bloomfield, Wichita, Kans.
Application August 9, 1943, Serial No. 497,955
2 Claims. (Cl. 77—13)



1. In a drilling unit of the class described, a tubular casing of a suitable length and diameter, each end of the casing having an apertured means to engage therewith, the apertures being in registry and axial with the casing, a roller bearing secured in the casing and extending from end to end thereof, a cylindrical head to rotate and slidably engage the entire length of the roller bearing, said cylindrical head having a pair of slots oppositely disposed to each other and extending inward radially from the periphery of the head, said head having a drill bit integrally joined to the head and axially extending therefrom at one end thereof, the drill bit having a pair of spirally wound flutes the upper terminal ends of which are in registry with their respective grooves as conducting means for bit cuttings through the head, a lifting coil spring wound concentric to the bit as lifting means therefor when the bit is released from its downward drilling extremity, a pair of annular casings telescopically engaging to encase the said lifting spring and permit the same to contract and expand, all as and for the purpose specified.

2,355,264
WINDSHIELD FOR MOTOR VEHICLES
Sam Bloomfield, Wichita, Kans.
Application May 24, 1943, Serial No. 488,154
2 Claims. (Cl. 296—84)

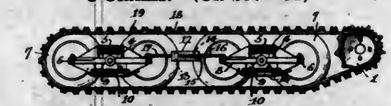


2. In windshields for motor vehicles of the class described consisting of three portions formed by two arcuate bends of a sheet of transparent material whereby a channel-like structure is formed and consisting of a web and a pair of legs all integrally joined, the web transversely crossing the cowl of a motor vehicle, while the legs extend rearward across the forwardly positioned doors of the vehicle, the web having means for rockably connecting it to the motor vehicle for forward and upward movement.

2,355,265
TEXTILE MATERIALS
Louis H. Bock, Huntingdon Valley, and Alva L. Houk, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 9, 1941, Serial No. 387,682
12 Claims. (Cl. 8—120)

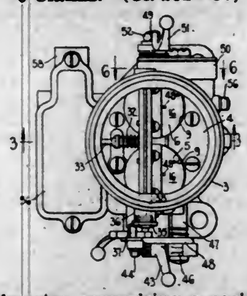
1. The process of improving textile materials which comprises treating said materials with the reaction product of formaldehyde and a malonamide having at least one N-aminoalkyl substituent, the hydrocarbon portion of which may be interrupted by —NH— to form alkylene chains of at least two carbon atoms each between nitrogen atoms, and heating the treated materials above about 100° C. but below the decomposition temperature of said materials.

2,355,266
TRACTION DEVICE
Joseph Armand Bombardier, Valcourt, Quebec, Canada
Application July 10, 1943, Serial No. 494,147
3 Claims. (Cl. 280—81)



1. In a traction device, a pair of wheeled units in alinement with each other, and spaced apart, each unit including a pair of hingedly and resiliently connected plates and wheels carried thereby, a flexible connection between said units, and resilient means in said connection.

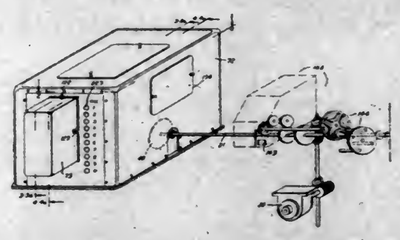
2,355,267
CARBURETOR
Henry W. Boylan, Flint, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application September 10, 1941, Serial No. 410,251
6 Claims. (Cl. 261—50)



1. A carburetor comprising a casing having a passageway therethrough with an air inlet and a mixture outlet, a constant level fuel reservoir, a fuel conduit leading from said reservoir and discharging into said passageway, a metering valve controlling fuel flow through said conduit, an atmospheric fuel well for supplying fuel and air to said conduit on the inlet side of said metering valve and below the reservoir fuel level, a second atmospheric fuel well for successively supplying fuel and air to said conduit below the reservoir fuel level and at a point between the point of discharge of said first-named well and said metering valve, means determining the open position of said metering valve at which said second well will supply air to said conduit, means determining the open position of said metering valve at which said first-named well will supply air to said conduit, and means operable to supply fuel to said conduit adjacent said metering valve upon supply of air to said conduit from said first-named well.

2,355,268
PHOTOGRAPHIC RECORDING MACHINE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 24, 1942, Serial No. 440,287
20 Claims. (Cl. 88—24)

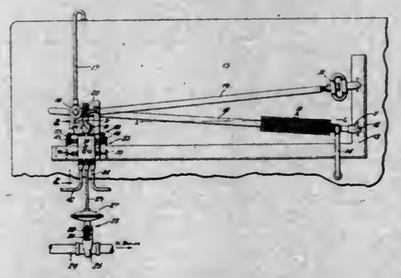
1. A recording apparatus for a record controlled accounting machine for recording variable data represented on records upon a film and for recording a complete form which bounds the variable data, including in combination record controlled means for photographing variable data line by line upon a film with at least one line recorded for each record, means to photographically record form data on said film, and record controlled means to variably determine the length of the form which is photographed on the film.



2,355,269
BLASTING EXPLOSIVE
Robert W. Cairns, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 13, 1939, Serial No. 309,039
4 Claims. (Cl. 52—14)

1. Inorganic nitrate in granular form containing from about 0.1% to about 5.0% by weight of substantially petroleum-hydrocarbon insoluble pine wood resin uniformly distributed throughout the nitrate and coating the individual particles thereof.

2,355,270
BOILER FEED WATER CONTROL
Julian A. Campbell, Long Beach, Calif.
Application November 12, 1941, Serial No. 418,718
4 Claims. (Cl. 122—451.1)



1. Apparatus for controlling the level of heated liquid in a boiler or the like, comprising a thermostatic tube responsive to changes in the boiler water level, a fluid pressure operated regulator for controlling the supply of liquid to said boiler, and a pilot valve mechanism for controlling the communication of operating fluid pressure to the regulator, said pilot mechanism comprising a pair of separately rotatable valves, one for varying the operating pressure communicated to the regulator and the other for venting the operating fluid, a pair of arms connected to said valves, a member interconnecting said arms, and means connecting said member with the thermostatic tube whereby both valves are simultaneously rotated by movement of the tube to open one valve and close the other valve.

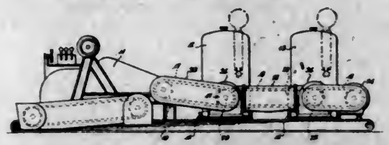
2,355,271
FERROUS ALLOYS
Arthur T. Cape, Santa Cruz, Calif., assignor to Coast Metals, Inc., Canton, Ohio, a corporation of Delaware
No Drawing. Application August 26, 1942, Serial No. 456,221
6 Claims. (Cl. 75—128)

1. A ferrous alloy particularly adapted for hard facing purposes, said alloy containing carbon in amounts of from about 1% to about 4.5, about 20% to about 30% chromium, about 7% to about 20% molybdenum, more than 13% and up to about 17% nickel, and about 10% to about 30% cobalt, the remainder of the alloy being substantially all iron.

3. A weld rod for hard facing purposes, said rod comprising a ferrous alloy containing carbon in amounts of from about 1% to about 4.5%, about 20% to about 30% chromium, about 7% to about 20% molybdenum, more than 13% and up to about 17% nickel, and about 10% to about 30% cobalt, the remainder of the alloy being substantially all iron.

5. An article having a facing thereon comprising a ferrous alloy containing carbon in amounts of from about 1% to about 4.5%, about 20% to about 30% chromium, about 7% to about 20% molybdenum, more than 13% and up to about 17% nickel, and about 10% to about 30% cobalt, the remainder of the alloy being substantially all iron.

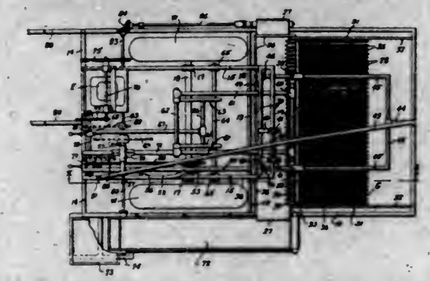
2,355,272
POWER TAKE-OFF
Harland W. Cardwell, Wichita, Kans., assignor to Cardwell Manufacturing Company, Inc., Wichita, Kans.
Application April 14, 1942, Serial No. 438,959
9 Claims. (Cl. 74—216.5)



1. A power take-off for a prime mover having a frame and a main shaft, a power take-off shaft in alignment with said main shaft and having one end supported by said main shaft for rotation of said power take-off shaft relative to said main shaft, clutch means for releasably connecting said power take-off shaft to said main shaft for rotation therewith, a bearing for the other end of said power take-off shaft, a member rigidly secured to said frame for supporting said bearing, and power transferring elements carried by said power take-off shaft on opposite sides of said bearing and closely adjacent thereto.

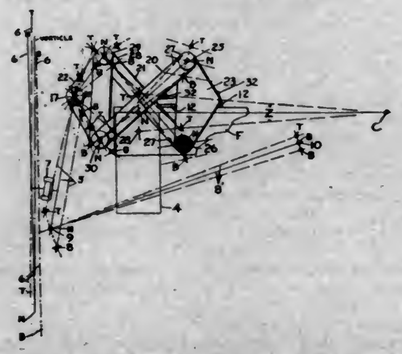
2,355,273
BERRYPICKING MACHINE
Robert W. Case, Warrens, Wis.
Application July 8, 1943, Serial No. 493,844
6 Claims. (Cl. 56—330)

1. A berry picking machine comprising a supporting frame, a berry gathering structure comprising a row of parallel spaced apart gathering bars arranged in a plane inclined downwardly from the machine toward the ground for receiving the tendrils of berry bushes below the berries thereon as the machine travels, a guide frame above said gathering bars, a rake bar slidable on said guide frame and having teeth depending therefrom in the planes of said gathering bars, a driving source on said supporting frame, an operating connection between said driving source and said rake bar for moving said rake bar inwardly and outwardly along said guide frame, and another operating connection between said source and said guide frame adapted to hold said



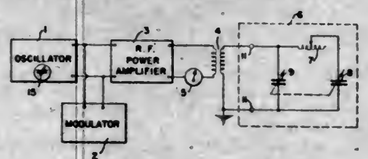
guide frame parallel with said gathering bars when said rake bar is moved inwardly on said guide frame for cooperation of the rake teeth with the gathering bars to strip berries from the bushes and to move said guide frame upwardly for withdrawal of the rake teeth from the gathering bars when said rake bar is moved outwardly on said guide frame.

2,355,274
WHEEL SUSPENSION
Biagis Castiglia, New York, N. Y., assignor to Wheel Aligning Necessities, Inc., New York, N. Y.
Application April 29, 1941, Serial No. 390,860
4 Claims. (Cl. 267—20)



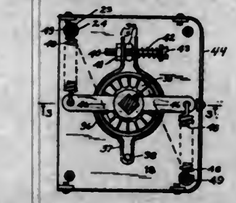
1. In an independent wheel suspension for vehicles, a wheel and a supporting arm secured to and movable with said wheel, said arm having a pivotal connection at its top and bottom ends, a chassis frame movably secured to the bottom end of said arm by a lower control link and to the top end of said arm by a bracket secured to said frame and guide means and a pivotally connected bracket secured to said arm and guide means, said top pivotal connection and bracket being limited by said guide means to substantial vertical travel to maintain a substantially unchanged camber, said guide means comprising cross links each having one end secured to said bracket on said frame and each having its opposite end secured to said bracket pivotally secured to said arm.

2,355,275
ARTIFICIAL ANTENNA
Madison Cawein, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application February 25, 1943, Serial No. 477,049
5 Claims. (Cl. 250—33)



2. A network to simulate the electrical characteristics of an antenna over a band of frequencies including the quarter wave-length and half wave-length resonant frequencies of said antenna comprising, a series arrangement of a capacitance and an inductance, said capacitance being equal to the capacitance of said antenna, and said inductance being equal to ⅓ of the inductance of said antenna, and a capacitance equal to ⅓ of the capacitance of said antenna connected in parallel with said series arrangement.

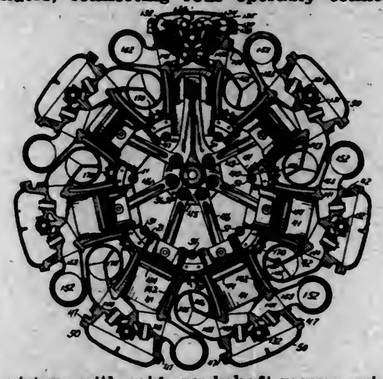
2,355,276
DOOR CHECK AND CLOSER
Gail L. Danley, Denver, Colo.
Application September 15, 1943, Serial No. 502,714
5 Claims. (Cl. 16—49)



1. A door check and closer comprising a base, a shaft mounted for rotation thereon, a cylinder enclosing the shaft and rotatable relative thereto, a ratchet mechanism interposed between the shaft and the cylinder to permit relative rotation of the shaft and the cylinder in one direction only, a friction brake element carried by the base and positioned to engage the cylinder, resilient means for urging the brake element against the cylinder to produce friction, a crank arm secured to the shaft, a helical tension spring having one end anchored to the end of the crank arm and the other anchored to the base, and a second crank arm attached to the shaft for rotating it against the action of the spring, the ratchet mechanism being so arranged that it permits the shaft to turn relative to the cylinder only when the spring is being tensioned.

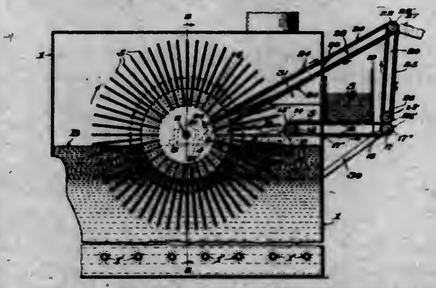
2,355,277
INTERNAL-COMBUSTION ENGINE
Rudolph Daub, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application December 27, 1941, Serial No. 424,560
9 Claims. (Cl. 123—173)

6. In an engine, a substantially polygonal crankcase defining cylinder decks on the sides thereof, said crankcase comprising a plurality of tandem arranged sections in end-to-end relation and each section having a bearing diaphragm, crankshaft means supported by said diaphragms, a plurality of en bloc cylinder rows each secured to a deck of the crankcase and bridging the several sections thereof, pistons in the cylinders, connecting rods operably connecting



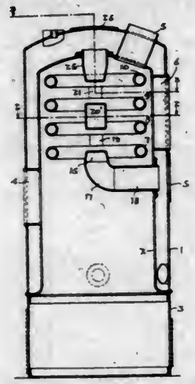
the pistons with said crankshaft means, said cylinder blocks having coolant jackets extending from end to end and lengthwise of the cylinders, a coolant manifold embracing each end of the engine, each connected to the block jackets, and equalizing connections between adjacent jackets near the cylinder bases.

2,355,278
APPARATUS FOR COATING OR SATURATING MATERIAL
Willis G. Davis, Pompton Plains, N. J., assignor to Ascote, Inc., Garwood, N. J., a corporation
Application April 16, 1941, Serial No. 388,908
2 Claims. (Cl. 91—46)



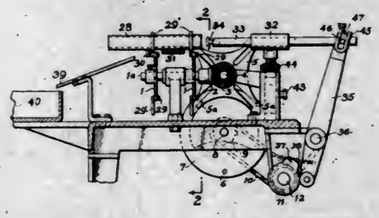
1. An apparatus of the type set forth including a tank having an inlet and an exit formed to receive a coating solution, means to maintain the solution in a heated state, a rotary material carrier mounted in the tank and having radial means provided with open outer portions for receiving and conveying the material through the solution, the travel of the upper arc of said carrier occurring above the level of the solution in the tank, whereby after the material has been coated to move the latter through the space above and over the solution level thereby to drain surplus of the solution off the material and to dry the latter as the material approaches the exit, means to feed the material to the carrier including an endless chain extending through the inlet and means to remove the material from the carrier and through the exit upon the material reaching the exit including an endless chain operating through the exit of the tank.

2,355,279
WATERTUBE BOILER
John B. Detwiler, Mimico, Ontario, Canada
Application December 2, 1941, Serial No. 421,331
5 Claims. (Cl. 122—169)



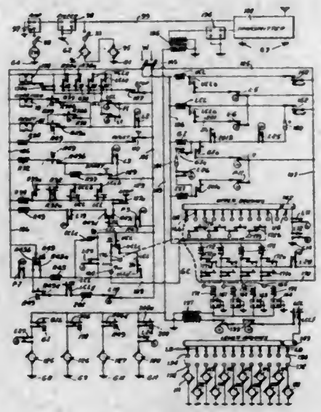
1. In a boiler, the combination with a water jacketed combustion chamber, of a plurality of horizontal annular tubular members spaced apart within said combustion chamber each having centrally arranged transverse tubes and transverse tubes arranged at either side of said central tubes, said transverse tubes having openings centrally of their length, vertical tubes connecting the central openings of the top and bottom central tubes with the water jacket, tubular means connecting the central openings of a vertically adjacent pair of central tubes arranged between said top and bottom members, and vertical tubes connecting the outer transverse tubes and rings.

2,355,280
SORTING MACHINE
Jakob Dichter, Berlin-Schoneberg, Germany; vested in the Alien Property Custodian
Application May 20, 1940, Serial No. 336,307
In Germany March 31, 1939
1 Claim. (Cl. 209—82)



A machine for sorting elongated tubular bodies and the like with reference to a prescribed internal bore dimension, comprising an elongated track having a plurality of notches in the upper surface thereof for supporting the intermediate portions of said bodies, means for intermittently moving said bodies transversely of the longitudinal axes thereof along the upper surface of said track to a plurality of stations, said notches serving as a centering means for said bodies at said stations, and a gauging element associated with at least one of said stations, and means for reciprocating said gauging element in the axial direction of the bore in said centered body, said gauging element being of a size to enter said bore when the dimension of the bore is at least equal to said prescribed dimension, and to engage the adjacent portions of the tube when the bore is less than said prescribed dimension, whereby a tube having an undersized bore will be discharged from said track by said reciprocating gauging element.

2,355,281
TRANSMISSION SYSTEM FOR STATISTICAL DATA
Arthur H. Dickinson, Bronxville, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 3, 1939, Serial No. 254,410
16 Claims. (Cl. 235—61.7)

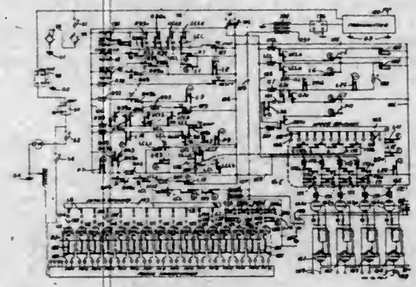


14. The method of manifesting characters by groups at a remote receiving station, which comprises generating different signals for the different characters of a group, which are constantly differentiated to identify each with a character in a particular position in the group, and which are individually variably distinguished by secondary distinguishing characteristics representative of the significations of their related characters; impressing said signals upon a single medium of transmission; receiving said signals from said medium of transmission at the receiving station and segregating them according to their constant differentiation; and manifesting the characters represented by the secondary distinguishing characteristics of the segregated signals.

2,355,282
TRANSMISSION SYSTEM FOR STATISTICAL DATA
Arthur H. Dickinson, Bronxville, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 3, 1939, Serial No. 254,411
9 Claims. (Cl. 235—61.7)

1. In a system for concurrently manifesting a plurality of characters in definite relative positions, electrical transmitting means and receiving means interconnected by a single medium of transmission, alternating current means for generating a number of signals constantly differentiated by phase displacement to identify each with a particular one of said positions, control means adapted to impart to the individual signals secondary distinguishing characteristics representative of the significations of

the characters in the positions to which they respectively appertain, said transmitting means being responsive to said signals to transmit to said receiving means signals reproducing the phase displacement and secondary distinguishing characteristics of the signals passed by said control means, means operatively connected to said receiving means for segregating the signals received thereby, according to



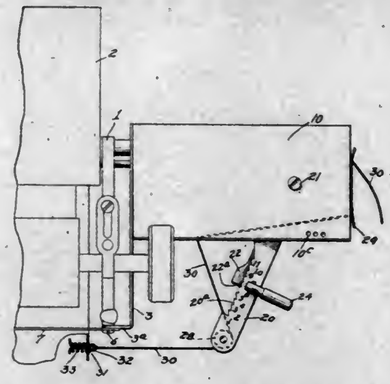
their phases, and manifesting means comprising a plurality of units operatively associated with said segregating means so as to be individually controlled by the respective segregated signals, the units of said manifesting means being differentially responsive to the signals in dependence upon the secondary distinguishing characteristics, to manifest the characters in their proper relative positions.

2,355,283
FACE MASK
Alma M. S. Diss, Seattle, Wash.
Application February 2, 1942, Serial No. 429,151
1 Claim. (Cl. 2—174)



A shield for the face, comprising: a cup formed of transparent flexible material and having a size and shape to enclose the front and sides of the face from below the chin to approximately the hair line, said cup having a non-extensible edge binding to retain the cup shaped against distortion, a resilient strap joined to said cup edge at opposite points adjacent a wearer's ears, said strap to pass behind the wearer's head and to retain the cup edge to the face without drawing the cup material into intimate contact with the face, and a snood attached to and extending between said strap and the upper portion of the cup edge to enclose the hair of a person wearing said shield, said cup being perforate at least in an area adjacent the nose and mouth to permit air circulation.

2,355,284
TYPEWRITER MARGIN JUSTIFIER
John S. Edison, Burbank, Calif.
Application September 12, 1941, Serial No. 410,554
11 Claims. (Cl. 197—84)



1. In a line justifying device for a typewriter having a carriage and an escapement rack on and movable longitudinally relative to said carriage, a justifying lever on the carriage, connections from said lever to said rack to move the latter on the carriage responsive to lever movement, and lever movement control means comprising a member extendable from the typewriter frame to a predetermined position on the carriage and operatively connectable with the lever intermediate the frame and carriage.

2,355,285
LOCKING DEVICE FOR SCREW JOINTS
Gustaf Lambert Ericsson, Traneberg, Sweden
Application November 28, 1940, Serial No. 367,661
In Sweden February 15, 1940
3 Claims. (Cl. 151—19)

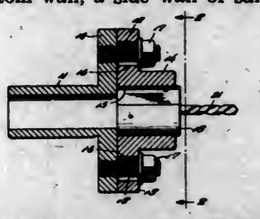


1. A lock nut adapted for use with a screw threaded bolt or the like comprising an externally uniformly frusto-conical, internally screw threaded, longitudinally slotted sleeve, adapted to run on the threads of the bolt, a member having an opening defined by a uniformly frusto-conical wall adapted to engage the outer conical wall of said sleeve in seating position, the angles of said walls being substantially equal and within the range from 4° to 18°, characterized in that the width of the slot is such that the slot is closed in tightening to give a predetermined pressure on the bolt and to leave a free space between the smaller diameter end of the sleeve and the smaller diameter end of said opening.

2,355,286
DRILL BUSHING
Charles F. Fink, Baltimore, Md., assignor to Trimble & Fink Mfg. Co., Inc., Baltimore, Md., a corporation of Maryland
Application April 24, 1942, Serial No. 440,390
3 Claims. (Cl. 279—44)

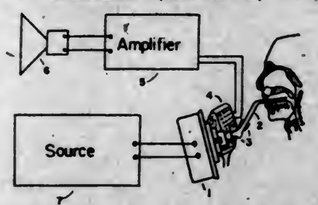
1. A drill bushing comprising a body having longitudinally thereof a slot against the bottom

wall of which a drill is to be held, and a presser block movable in said slot and having a face opposing said bottom wall to bear upon a drill, said face terminating at the corresponding end of said bottom wall whereby a drill is contacted to the same point along its length by said face and by said bottom wall, a side wall of said presser



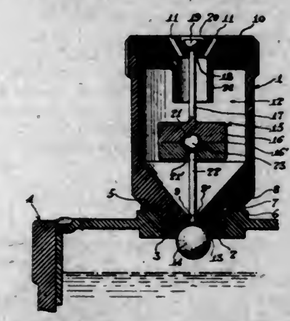
block having a transverse groove therein terminating in a shoulder within the block, a pin carried by said bushing extending into said groove to prevent longitudinal movement of the presser block along the slot, said shoulder on contacting said pin preventing complete outward removal of the presser block from the slot.

2,355,287
SINGING AND SPEAKING MACHINE
Floyd A. Firestone, Ann Arbor, Mich.
Application August 1, 1940, Serial No. 349,321
6 Claims. (Cl. 179—1)



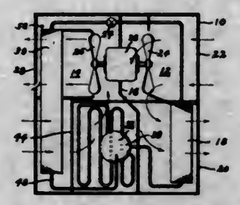
1. A source of audio frequency electrical currents for a singing or speaking machine, comprising an electrical oscillator, key operated means for controlling the pitch of said oscillator, and automatic means for securing a pitch glide.

2,355,286
NONSPILL VENT MEANS
George H. Fritzinger, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application April 24, 1942, Serial No. 440,344
6 Claims. (Cl. 137—139)



1. A non-spill vent plug for the filler opening of a storage battery comprising walls forming a chamber having upper and lower vent openings; toggle means suspended within said chamber and comprising a rigid member extending loosely through said lower vent opening, a valve mounted on said rigid member below said lower vent opening, and a weight rigidly secured to said rigid member in position wherein the center of gravity thereof is substantially at the joint of said toggle means, said weight serving to hold said toggle means in a straight-line arrangement wherein said valve is displaced below said lower vent opening while said battery is in upright position, and to move the toggle means out of said straight-line arrangement to lift said valve into vent closing position as the battery is tilted.

2,355,289
REFRIGERATING APPARATUS
J. Lowell Gibson, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 30, 1943, Serial No. 492,849
6 Claims. (Cl. 62—140)



1. In a self contained air conditioning unit, a casing, partition means within said casing separating said casing into an evaporator compartment and a condenser compartment, an evaporator within said evaporator compartment, a condenser within said condenser compartment, means for flowing a first stream of air in thermal exchange with said evaporator, means for flowing a second stream of air in thermal exchange with said condenser, means for collecting the condensate separated from the air by said evaporator, a heat exchange coil arranged in thermal exchange relationship with said condensate, a compressor, a casing for said compressor, means for conveying refrigerant vaporized in said evaporator to the inlet of said compressor, means for conveying the compressed refrigerant leaving said compressor into said heat exchange coil, means for conveying the refrigerant leaving said heat exchange coil into said compressor casing, means for conveying the refrigerant leaving said casing to said condenser, and means for conveying refrigerant from said condenser to said evaporator, said last named means including a pressure regulating means.

2,355,290
NECK SCARF
Nathan Gold, Portland, Oreg.
Application March 25, 1941, Serial No. 385,109
6 Claims. (Cl. 2—91)

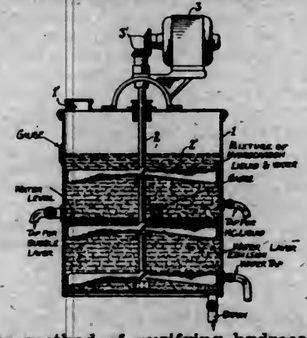
1. A neck scarf, the central portion of which is formed to drape collar-like when axially folded, comprising two similar flat end portions, a central portion with its axial line shorter than its outside edges, an inset rhomboidal gore along the axial line of said central portion, said end portions merging into the central portion, said

central portion being full along both outside edges and being made full by removal of a por-



tion of the material thereof from the axial central portion and joinder of the resulting edges to said inset rhomboidal gore.

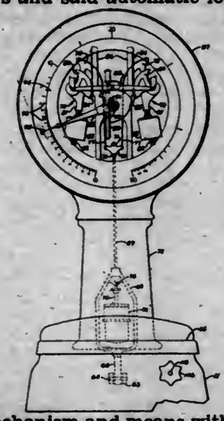
2,355,291
METHOD OF PURIFYING HYDROCARBON LIQUIDS
Thomas S. Hamilton, Beverly Hills, Calif., assignor to Dorothy Di Frasso, Beverly Hills, Calif.
Application December 10, 1941, Serial No. 422,324
5 Claims. (Cl. 196—146)



1. The method of purifying hydrocarbon liquids consisting in providing in a container a given number of gallons of water, adding a material composed of inert crystalline sharp solid particles in a predetermined proportion in relation to the water, introducing into said container a hydrocarbon liquid in a quantity substantially equal to the quantity of water, agitating the liquids and crystalline material in said container to bombard the particles of hydrocarbon liquids with said crystalline material, settling the agitated substances into a bottom layer of crystalline material, intermediate layers of water and impurities and a top layer of hydrocarbon liquid, and thereafter separating the hydrocarbon liquid from the impurities.

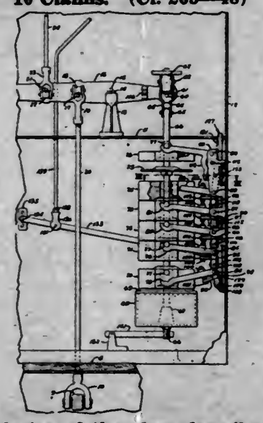
2,355,292
WEIGHING SCALE
Halvor W. Hem, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application July 26, 1940, Serial No. 347,676
14 Claims. (Cl. 265—27)

6. In a device of the class described, in combination, a base, a housing mounted upon said base, load supporting levers in said base, a platform supported upon said levers and positioned above said base, automatic load counterbalancing means stationed within said housing, manipulative load counterbalancing means cooperatively secured to said levers in said base, means connecting said levers and said automatic load counter-



balancing mechanism and means within said base and a handwheel on the exterior of said base for actuating said manipulative load counterbalancing means, said manipulative load counterbalancing means comprising an elongated member, a weight secured to each end thereof and means for slidingly mounting said elongated member on said levers in said base.

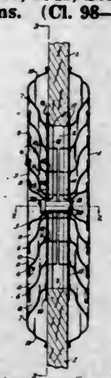
2,355,293
WEIGHING SCALE
Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application January 15, 1942, Serial No. 426,796
10 Claims. (Cl. 265—48)



1. In a device of the class described, in combination, weighing mechanism comprising load receiving means, automatic load counterbalancing mechanism operatively connected to said load receiving means, manipulative load counterbalancing mechanism operatively connected to said load receiving means for cooperation with said automatic load counterbalancing mechanism, a weight indicating means for each of said load counterbalancing mechanisms, said automatic

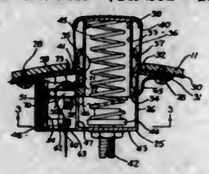
load counterbalancing mechanism comprising a pendulum, said manipulative load counterbalancing mechanism including a series of weights and a single weight, a pair of suspended weight receiving members, a sliding member for actuating said series of weights, a handle, a cam connected to said handle for actuating said single weight, gearing operatively connected to said handle and said cam and actuating said sliding member whereby upon actuation of said handle said cam causes the single weight to be alternately deposited upon and removed from, one of said weight receiving members and the weights of said series of weights to be successively deposited on the other of said weight receiving members whenever said single weight is removed from its weight receiving member, each of said indicating means indicating the amount of the load counterbalanced by that load counterbalancing mechanism actuating said indicating means, said weight indicating means for indicating the amount of weight counterbalanced by said pendulum comprising a relatively movable chart and indicator, said indicating means for said manipulative load counterbalancing mechanism comprising a movably mounted plate bearing a number of weight indicating numerals and such number of weight indicating numerals on said movable plate being greater than the total number of weights in said series of weights and said single weight.

2,355,294
VENTILATOR
George Herbster, Cleveland, Ohio
Application May 23, 1941, Serial No. 394,811
7 Claims. (Cl. 98—87)



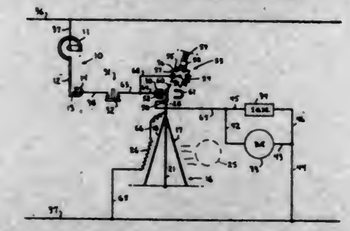
1. A vision obstructing ventilator for an opening in a wall and comprising a pair of grills, each grill comprising a plurality of generally frustoconical annular vanes, means supporting the vanes in coaxial relation to each other and spaced apart radially from each other to define annular passages for air between adjacent vanes, the vanes having their smaller bases at the inner end of each grill and their larger bases at the outer end, the radially outward edge of each vane lying radially outwardly beyond the radially inward edge of the next adjacent radially outward vane, said grills being adapted to overlie the opening when they are disposed in axial alignment on opposite sides of the wall opening with their inner ends facing each other, window means in the center vane affording greater vision therethrough in one direction axially of the grills than in the opposite direction, and means securing the grills in axial alignment with their inner ends facing each other.

2,355,295
TIRE PRESSURE INDICATOR
William Holinaty, New Westminster, British Columbia, Canada
Application August 25, 1941, Serial No. 408,269
6 Claims. (Cl. 201—48)



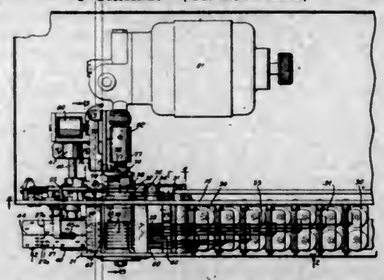
1. In tire gauge apparatus adapted to be mounted on the rim of a vehicle wheel to register on a meter within the vehicle the pressure of a pneumatic tire on said wheel, a housing mounted on the rim, a plunger mounted in the housing and projecting beyond the outer end thereof into the tire, spring means in the housing urging the plunger outwardly therefrom, said plunger being depressed against the pressure of the spring by the tube of the tire as the latter is inflated, a flange on the inner end of the plunger, a projection on the inner surface of the housing spaced below the outer end thereof, said projection being engaged by the plunger flange to limit the outward movement of the plunger, another projection on the inner surface of the housing at the top thereof forming a space between itself and the first projection in which a solid lubricant may be packed against the plunger, a resistance coil located in a casing adjacent the plunger, an arm projecting outwardly from the plunger into the casing, and a contact on said arm adapted to engage and to be moved up and down the coil by the plunger.

2,355,296
FUEL BURNER CONTROL SYSTEM
Gifford I. Holmes, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 5, 1942, Serial No. 433,495
10 Claims. (Cl. 158—28)



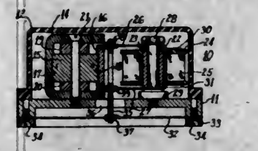
1. A fluid fuel burner control system comprising in combination, an electric device controlling the delivery of fuel to a burner for combustion, thermal means having a first heat responsive portion, electric heating means for said first portion, first circuit means including said electric heating means, second circuit means including said electric device, switch means controlling both of said circuits, means for energizing both of said circuit means in response to a demand for burner operation, said switch means being moved alternately to open and closed positions by said thermal means, in the absence of combustion, as a result of the alternate energization and deenergization of said electric heating means by said switch means, means actuated by said thermal means for preventing the automatic reclosure of said switch means by said thermal means after at least one such reclosure, and means comprising a second heat responsive portion of said thermal means which is responsive to the heat of combustion for preventing said thermal means from opening said switch means in the event that combustion is established first.

2,355,297
PERFORATING APPARATUS
Albert C. Holt, Oradell, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 10, 1942, Serial No. 465,113
3 Claims. (Cl. 164—113)



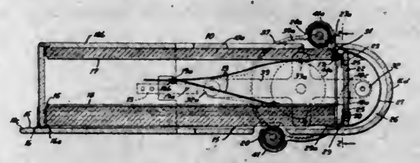
1. A tape perforating apparatus comprising a punching unit and a control unit, said punching unit comprising timing punch means and code punch means, said control unit comprising means selectively to control said code punch means, a carriage, and means for imparting to said carriage continuous movements of different extents requiring different periods of time for their completion; and means controlled by said last means to maintain said timing punch means in repeated operation during any such movement of the carriage, for a period of time not less than the time required to complete said movement of the carriage and for an additional period long enough to make one or more additional timing perforations after the movement of the carriage is terminated.

2,355,298
SOUND TRANSLATING DEVICE
Albert F. Horlacher, Genoa, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application January 27, 1941, Serial No. 376,095
7 Claims. (Cl. 175—339)



1. A magnetic unit for a sound translating device comprising a support, a unitary field structure including a permanent magnet and carried by said support, a core element carried by said support, a winding carried by said core element, said core element and said winding being arranged entirely exteriorly of said field structure, and a movable armature carried by said core element and arranged entirely exteriorly of said winding and cooperating with said field structure, said armature having a normal position with respect to said field structure and being so constructed and arranged that the magnetic flux produced by said permanent magnet and traversing said field structure is coupled by way of said armature to said core element only when said armature is displaced from its normal position with respect to said field structure.

2,355,299
RECORD CARD CONTAINER
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 11, 1942, Serial No. 430,395
11 Claims. (Cl. 281—44)

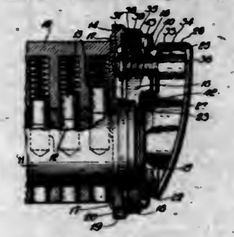


2. A card container comprising walls providing a hollow box-like structure having therein a magazine space adapted to hold a supply of cards and a receiving space adapted to receive said cards, and means for successively transferring said cards from said magazine space to said receiving space and said means comprising a first feed roller adjacent said magazine space and operable to frictionally engage and move the cards one at a time from said magazine space, a second feed roller adjacent said receiving space and operable to frictionally engage the cards as they are fed by said first roller and move such cards into said receiving space, a carrier rotatably supporting both said rollers and being movably supported by said box-like structure so that in one position of said carrier said first roller is in operative engagement with a card and the second roller is out of operative position and so that in a second position of said carrier said second roller is in operative engagement with a card and the first roller is out of operative position, manually operable gear means for driving said rollers, and cam means operable during the operation of said gear means for moving said carrier into its said one position and holding it there while a card is being moved by the first feed roller out of the magazine space and then moving said carrier into its second position and holding it there while the second feed roller moves the card into said receiving space.

2,355,300
KEYHOLE COVER AND ASSEMBLY
Theodore H. Johnstone, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application January 22, 1942, Serial No. 427,684
6 Claims. (Cl. 70—455)

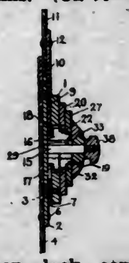
1. In a scalp adapted for assembly to a cylinder lock, means whereby said scalp is secured to said cylinder lock to form a portion thereof, a depressed portion formed on the face of said scalp in which is an opening to provide access to the keyway of the cylinder lock to which the scalp is assembled, a shutter, means mounting said shutter on said scalp for swinging movement parallel to the scalp face and for inward movement toward said depressed portion, said shutter having a substantial surface seated against a substantial surface of said scalp surrounding said opening whereby substantially to

seal said opening, and spring means for pressing said shutter in toward said opening adapted to



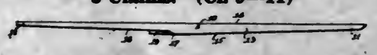
resist swinging movement of said shutter parallel to said scalp face.

2,355,301
COMBINATION LOCK
Sophie S. Karavia, New York, N. Y.
Application June 28, 1943, Serial No. 492,490
4 Claims. (Cl. 70—312)



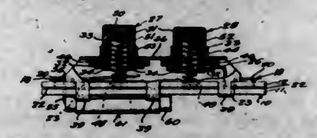
1. A combination lock comprising a base adapted to be attached to the side of a container and provided with a slot extending from its side to its middle portion, the slot being adapted to receive a keeper plate attached to the side of a cover of the container; a hub extending outward from the base plate; discs with central holes of progressively decreasing diameters rotatively mounted on the hub, the hub having a central hole; a locking member movably supported in the central hole adapted in its operative position to engage the keeper for preventing the same to be withdrawn from the base; a wing on the locking member, the base and the hub having a slot for the wing; means on the base to limit the movements of the locking member; the discs having slots for the wing; and means on the discs to indicate their positions in which the slots in the discs register with the slot in the base, and the locking member is free to be withdrawn from the engagement with the keeper plate.

2,355,302
SURFBOARD
Richard G. Kirchner, San Diego, Calif.
Application November 18, 1940, Serial No. 366,052
5 Claims. (Cl. 9—11)



1. A wave propelled surf board comprising an elongated plank member relatively thin in proportion to its length and width and having inclined bottom walls converging from the front and rear of said board to the intermediate portion thereof and terminating at their inner ends on different levels, obliquely-disposed vertical walls connecting said inclined bottom walls at their point of termination to provide an intermediate V-shaped stepped shoulder portion adapted to be engaged by the crest of a wave.

2,355,303
PUSH-BUTTON SWITCH CONSTRUCTION
Knud Knudsen, Danbury, Conn., assignor to Edwin G. Gaynor, Fairfield, Conn.
Application March 28, 1941, Serial No. 385,593
17 Claims. (Cl. 200—5)



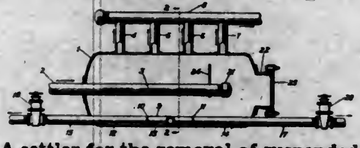
1. A push button switch comprising two sheet members of insulating material adapted to rest one against the other, at least one of said sheet members having aperture means therein, a plurality of sheet metal connector-contact elements each having a contact portion overlying one face of said one sheet with another portion resting against the other face of said one sheet and an intermediate portion extending through said aperture means, the other of said sheet members engaging against said other face of said one member with said second-mentioned portions of said plurality of elements positioned between said two sheet members, said aperture means locating said connector-contact elements in spaced relation, means including a push button for coacting with said connector-contact elements, and means for supporting said push button and said two sheet members with said push button and connector-contact elements in cooperating relation and for holding said two sheet members against separation and thereby holding said second-mentioned portion of each of said connector-contact elements substantially clamped between said two sheet members.

2,355,304
WORLD GLOBE
Walter F. Koch, Jacksonville, Fla.
Application March 29, 1943, Serial No. 480,961
8 Claims. (Cl. 35—46)



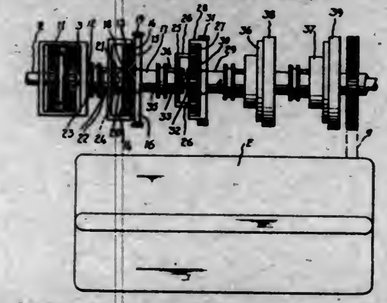
1. A world globe construction comprising a pair of closely arranged concentric globes mounted to turn independently on a common axis passing through the North and South Poles of the globes, one of said globes bearing a world map, and the other globe carrying a plurality of concentric circles spaced apart given scaled distances and having their common center on the Equator of such globe, the outer globe being formed of light transmitting material.

2,355,305
MILL SCALE SETTLING TANK
Edgar A. Koenig, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application February 1, 1943, Serial No. 474,370
10 Claims. (Cl. 210—57)



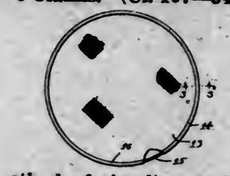
1. A settler for the removal of suspended solids from hydrocarbon liquids of the character described comprising a substantially cylindrical vessel having its principal axis horizontally disposed, an inlet pipe extending into said vessel and positioned intermediate the top and bottom thereof, an outlet pipe at the top of said vessel, a horizontally disposed sediment removal pipe extending along and in proximity to the bottom of said vessel, means dividing said sediment removal pipe into a plurality of sections, at least one slot in the underside of each of said sections of said last mentioned pipe, a sediment carry-off pipe connected to each section of said sediment removal pipe, and means for independently increasing the pressure differential across said sediment carry-off pipes between the vessel end and the other end thereof, whereby solids which have settled from suspension to the bottom of said vessel are forced into said sediment removal pipe and discharged through the sediment carry-off pipe.

2,355,306
POWER-TRANSMISSION MEANS FOR MOTOR VEHICLES
Leslie Adcock Koevort, Overport, Durban, Natal, Union of South Africa
Application November 17, 1941, Serial No. 419,484
In the Union of South Africa December 6, 1940
3 Claims. (Cl. 74—328)



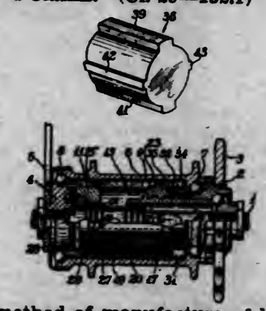
1. Means for transmitting power to the differential gearing of the wheel carrying axles of a motor vehicle, comprising a series of change speed gear sets mounted successively on one of said axles between a power means and the differential gearing, certain such gear sets including a tubular shaft free on the axle, a disc rotatable on the tubular shaft, a ring gear carried by the disc, and a planetary gearing including a sun wheel fixed to the tubular shaft and planet wheels carried by the disc and in constant mesh with the ring gear, manually operable clutch means to operatively connect the tubular shaft of one gear set to the tubular shaft of the adjacent gear set toward the differential at will, an element carried by such tubular shaft of the adjacent gear set and operatively supporting the planet wheels of the planetary gearing of the adjacent gear set toward the power means, and means to manually fix the disc against movement by the cooperating planetary gear.

2,355,307
PIECRUST TRIMMING RING
Henry F. Kors, Chicago, Ill.
Application March 9, 1942, Serial No. 433,968
6 Claims. (Cl. 107—54)



1. The method of simultaneously rolling and trimming pie-crust dough, which consists in placing the dough on a piece of flat material within a ring of the diameter and approximate thickness of the disk of pie-crust dough desired, and then rolling out the dough within the ring to the approximate thickness of the ring and precise inside diameter of the ring and so that any excess is sheared off by the ring.

2,355,308
METHOD OF MAKING BACKPEDALING BRAKES FOR VELOCIPEDES
Stanley B. Kurzina, Jr., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 31, 1940, Serial No. 348,791
4 Claims. (Cl. 29—152.1)

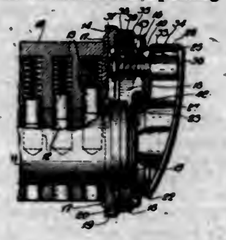


1. In a method of manufacture of brake controlling nuts for hub brakes from extruded bar stock having diametrically arranged longitudinal ribs, the steps of turning a taper on the ribs at one end of the stock, drilling, counterboring and forming an interior recess in one end of the stock, milling off the sides of two of the ribs obliquely to form wedge lugs, and turning off the face of the work so as to leave undercut tapered lugs extending beyond the face of the work.

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AUTOMATIC BURNER CONTROL SYSTEM
Frederick E. Lange, Lincoln, Nebr., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 10, 1941, Serial No. 401,736
19 Claims. (Cl. 158—28)

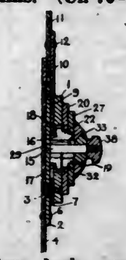
1. An automatic fuel burner control system comprising in combination, an electrical device for controlling the flow of fuel to said burner, means for igniting said fuel, control means for said device including a thermal means having

seal said opening, and spring means for pressing said shutter in toward said opening adapted to



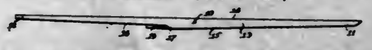
resist swinging movement of said shutter parallel to said scalp face.

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Sophie S. Karavia, New York, N. Y.
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1. A combination lock comprising a base adapted to be attached to the side of a container and provided with a slot extending from its side to its middle portion, the slot being adapted to receive a keeper plate attached to the side of a cover of the container; a hub extending outward from the base plate; discs with central holes of progressively decreasing diameters rotatively mounted on the hub, the hub having a central hole; a locking member movably supported in the central hole adapted in its operative position to engage the keeper for preventing the same to be withdrawn from the base; a wing on the locking member, the base and the hub having a slot for the wing; means on the base to limit the movements of the locking member; the discs having slots for the wing; and means on the discs to indicate their positions in which the slots in the discs register with the slot in the base, and the locking member is free to be withdrawn from the engagement with the keeper plate.

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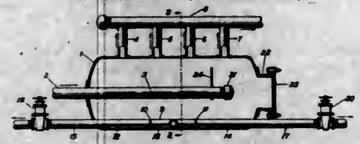
1. A push button switch comprising two sheet members of insulating material adapted to rest one against the other, at least one of said sheet members having aperture means therein, a plurality of sheet metal connector-contact elements each having a contact portion overlying one face of said one sheet with another portion resting against the other face of said one sheet and an intermediate portion extending through said aperture means, the other of said sheet members engaging against said other face of said one member with said second-mentioned portions of said plurality of elements positioned between said two sheet members, said aperture means locating said connector-contact elements in spaced relation, means including a push button for coacting with said connector-contact elements, and means for supporting said push button and said two sheet members with said push button and connector-contact elements in cooperating relation and for holding said two sheet members against separation and thereby holding said second-mentioned portion of each of said connector-contact elements substantially clamped between said two sheet members.

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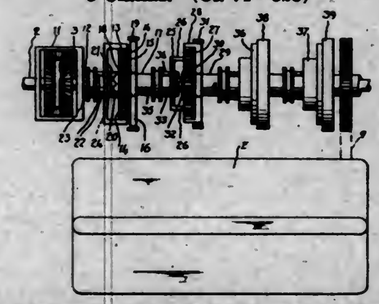
1. A world globe construction comprising a pair of closely arranged concentric globes mounted to turn independently on a common axis passing through the North and South Poles of the globes, one of said globes bearing a world map, and the other globe carrying a plurality of concentric circles spaced apart given scaled distances and having their common center on the Equator of such globe, the outer globe being formed of light transmitting material.

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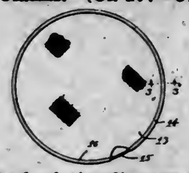
1. A settler for the removal of suspended solids from hydrocarbon liquids of the character described comprising a substantially cylindrical vessel having its principal axis horizontally disposed, an inlet pipe extending into said vessel and positioned intermediate the top and bottom thereof, an outlet pipe at the top of said vessel, a horizontally disposed sediment removal pipe extending along and in proximity to the bottom of said vessel, means dividing said sediment removal pipe into a plurality of sections, at least one slot in the underside of each of said sections of said last mentioned pipe, a sediment carry-off pipe connected to each section of said sediment removal pipe, and means for independently increasing the pressure differential across said sediment carry-off pipes between the vessel end and the other end thereof, whereby solids which have settled from suspension to the bottom of said vessel are forced into said sediment removal pipe and discharged through the sediment carry-off pipe.

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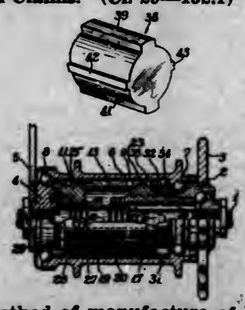
1. Means for transmitting power to the differential gearing of the wheel carrying axles of a motor vehicle, comprising a series of change speed gear sets mounted successively on one of said axles between a power means and the differential gearing, certain such gear sets including a tubular shaft free on the axle, a disc rotatable on the tubular shaft, a ring gear carried by the disc, and a planetary gearing including a sun wheel fixed to the tubular shaft and planet wheels carried by the disc and in constant mesh with the ring gear, manually operable clutch means to operatively connect the tubular shaft of one gear set to the tubular shaft of the adjacent gear set toward the differential at will, an element carried by such tubular shaft of the adjacent gear set and operatively supporting the planet wheels of the planetary gearing of the adjacent gear set toward the power means, and means to manually fix the disc against movement by the cooperating planetary gear.

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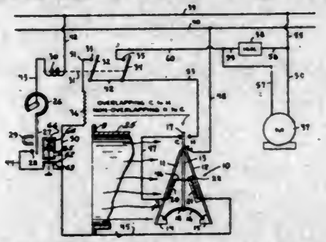


1. In a method of manufacture of brake controlling nuts for hub brakes from extruded bar stock having diametrically arranged longitudinal ribs, the steps of turning a taper on the ribs at one end of the stock, drilling, counterboring and forming an interior recess in one end of the stock, milling off the sides of two of the ribs obliquely to form wedge lugs, and turning off the face of the work so as to leave undercut tapered lugs extending beyond the face of the work.

2,355,309
AUTOMATIC BURNER CONTROL SYSTEM
Frederick E. Lange, Lincoln, Nebr., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 10, 1941, Serial No. 401,736
19 Claims. (Cl. 158—28)

1. An automatic fuel burner control system comprising in combination, an electrical device for controlling the flow of fuel to said burner, means for igniting said fuel, control means for said device including a thermal means having

two heat sensitive portions which, when they are both at substantially the same temperature, cause said control means to assume a predetermined position in which said electrical device is de-energized, means operated in response to a demand for burner operation for heating one of said portions rapidly and the other portion slowly



whereby said control means is moved in one direction to energize said electrical device for a predetermined period of time and then return to its original position, and means for additionally heating said one portion upon the establishment of combustion to prevent the control means from returning to its original position.

2,355,310

PETROLEUM SULPHONATE DERIVATIVES

Leo Liberthson, New York, N. Y., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application May 12, 1943, Serial No. 486,743

12 Claims. (Cl. 260—556)

1. A petroleum sulphonamide which essentially comprises an intramolecular dehydration product of a petroleum sulphonic acid salt of a polyalkylene polyamine.

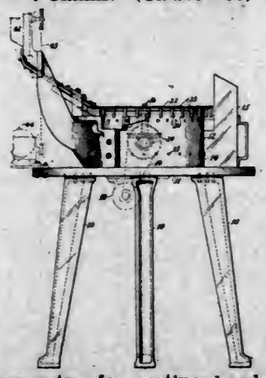
2,355,311

SORTING MACHINE

Edward H. Linkner, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application January 26, 1942, Serial No. 428,180

7 Claims. (Cl. 209—90)



3. In apparatus for sorting headed elements having stem portions of various lengths, a support, a substantially horizontal disc rotatably mounted thereon and having a plurality of peripheral notches, means to feed said elements to said disc for engagement in said notches with the heads of said elements resting on the upper surface of said disc and with their stem portions extending vertically below said disc, a plurality of serially disposed ejectors on said support having their upper edges spaced at varying distances vertically below said disc, and means operative upon rotation of said disc to radially snap said ejectors for snap discharge of said elements.

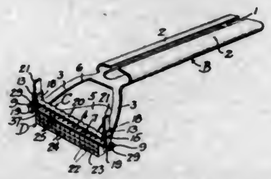
2,355,312

VEGETABLE CUTTER

Henry S. K. Lui, San Francisco, Calif.

Application June 8, 1943, Serial No. 490,098

8 Claims. (Cl. 30—279)



1. A vegetable cutter comprising a handle, a vegetable support, arms integral with the handle and support for positioning the plane of the support below the handle, said arms being spaced from each other for providing a passage through which a vegetable may be moved when resting on the support, a corrugated knife paralleling the support and being spaced thereabove, and adjustable means for positioning the knife the desired distance from the support for cutting the vegetable into slices of the desired thickness.

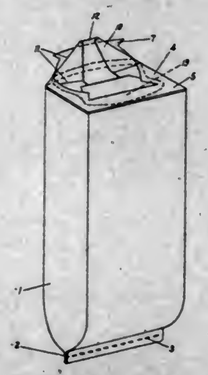
2,355,313

BAG

William A. Lurie, New Orleans, La.

Application July 22, 1942, Serial No. 451,934

3 Claims. (Cl. 229—66)



1. A bag including a bottom, said bottom including a foldable spout, a reinforcing plate attached to the bottom of the bag over the foldable spout in its folded position, said reinforcing plate being provided with a ring shaped adhesive zone on its under side in position to encircle the spout, said reinforcing plate being provided with a line of perforations inside of the adhesive zone by means of which an opening may be made through the reinforcing plate to permit the opening of the spout and a sealing patch attached to the under side of the reinforcing plate in a position to underlie the line of perforations and cover the spout.

2,355,314

PREPARATION OF UNSATURATED HYDROCARBONS FROM PRIMARY ALIPHATIC AMINES

Miles R. McCorkle, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application July 24, 1942, Serial No. 452,192

5 Claims. (Cl. 260—677)

1. The process which comprises heating salt of a primary aliphatic amine having at least eight carbon atoms and a non-oxidizing inorganic acid to decompose the same, and recovering the unsaturated hydrocarbon thus formed.

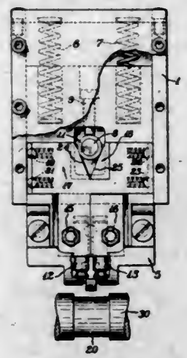
2,355,315

UNDERCUTTING TOOL

James MacBlane, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application September 15, 1942, Serial No. 458,480

4 Claims. (Cl. 82—11)



1. An under-cutting tool for an automatic machine including a pair of formed cutters, a holder therefor having means bearing on the work to limit the approach of the holder to the work, and means operative while the holder is so positioned, to move the cutters laterally in opposite directions to effect the under-cutting operation.

2,355,316

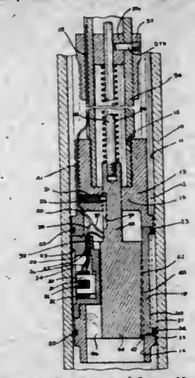
HONE GAUGING DEVICE

Ricardo Mestas, Los Angeles, Calif., assignor to Kobe, Inc., Huntington Park, Calif., a corporation of California

Application August 3, 1940, Serial No. 350,941

1 Claim. (Cl. 175—183)

In a gauge device adapted to indicate a dimension of a member, the combination of: a head element; a first gauge element including a first coil, said first gauge element being so constructed and arranged that a variation in the distance of said first coil from one side of the member varies the electrical impedance of said first coil; first box means containing said first gauge element and removably secured to said head element; a second gauge element including a second coil, said second gauge element being so constructed and arranged that a variation in the distance of said second coil from the other side of the member varies the electrical impedance of said second coil, said coils being connected in series so that upon lateral movement of said head element relative to said member the impedance of said coils will vary by amounts that are equal and opposite; second box means containing said second gauge element and removably secured to said head element; means for impressing an electric



potential across both said coils; and indicating means for measuring changes in the total impedance of said coils so as to indicate said dimension of the member.

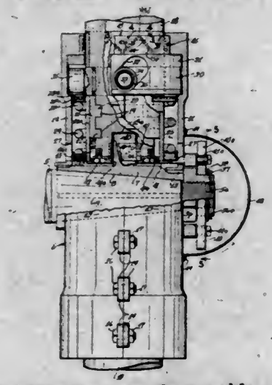
2,355,317

VARIABLE PITCH PROPELLER ASSEMBLY

Hamilton K. Moore, St. Louis, Mo.

Application May 22, 1942, Serial No. 444,012

3 Claims. (Cl. 170—162)



1. In combination, a changeable pitch propeller, including propeller blades having their shanks journaled radially in a hub and adapted also to radial movement in the hub in the process of changing their pitch, combined thrust and torque ball bearings for the propeller shanks, same comprising race-rings seated in the hub in spaced relation and embracing the propeller shanks, the said rings having tortuous and angular ball races formed around their inner peripheries, and balls filled into the said races to complete the bearings for the propeller shanks.

2,355,318

AUTOMATIC REEL

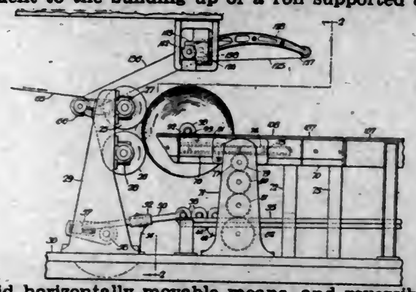
Rudolf A. Moravek, Neenah, Wis., assignor to Paper Patents Company, a corporation of Wisconsin

Application September 13, 1941, Serial No. 410,665

15 Claims. (Cl. 242—66)

1. In apparatus of the class described, a rotatably driven drum, means for conveying a reel

core upwardly into engagement with said drum, reel core supporting means horizontally movable from an initially spaced position relative to said drum to operative position under a portion of said core, said horizontally movable means being also movable from said drum as an incident to the building up of a roll supported on

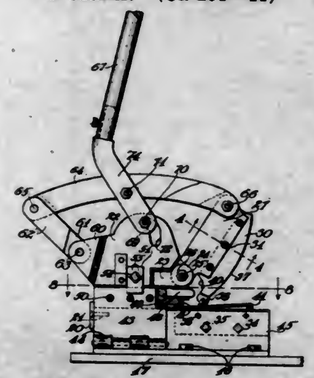


said horizontally movable means, and reversible means operative in one direction of movement to urge said horizontally movable means to move with a constant force toward said drum and in the opposite direction to move said horizontally movable means from said drum to thereby carry said reel core and reel formed thereon from the drum.

2,355,319
STABILIZATION OF HALOBUTENES
Rupert C. Morris, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 11, 1943, Serial No. 472,087
11 Claims. (Cl. 260—652.5)

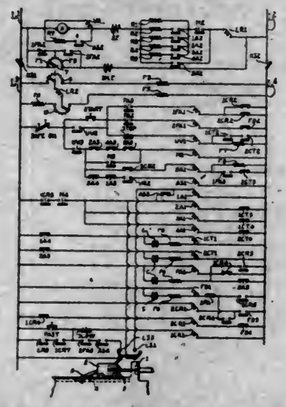
9. The method of preventing the decomposition of a monohalobutene in which the halogen atom is linked to an unsaturated carbon atom which comprises adding thereto a stabilizing amount of a compound from the group consisting of glycerol and methyl glycerol ether.

2,355,320
METAL-CUTTING SHEAR
Kurt W. Nebel, Chicago, Ill.
Application May 21, 1942, Serial No. 443,959
9 Claims. (Cl. 164—44)



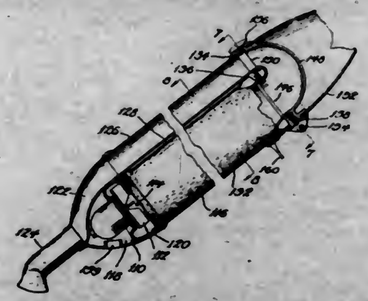
1. A metal cutting shear comprising a base, a frame rising from the same, a square-edged blade pivoted in the frame and swingable in a vertical plane relative to the base, and companion stationary blades carried by said base and spaced to receive the pivoted blade slidingly between them on the downswing thereof, the work being supported on said stationary blades, and said frame including a throat plate in the advancing path of the work as severed by the shear, said throat plate being thinner than said blade to provide a clearance for the advancing feed of the work through the shear.

2,355,321
MOTOR CONTROLLER
John M. Newman, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 14, 1942, Serial No. 461,961
9 Claims. (Cl. 205—3)



1. The combination with a direct current motor and a machine driven thereby, of means for starting said motor and for causing the same to normally operate at a predetermined slow speed below its base or full field speed with said machine in an unloaded condition, and means associated with said former means for accelerating said motor to a selected maximum speed when the load on said machine exceeds a predetermined value.

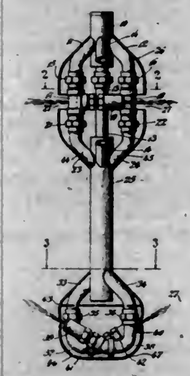
2,355,322
SUCTION CLEANER
Joseph H. Nuffer, Toledo, Ohio, and Lynn H. Latta, Deerfield, Ill., assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application September 25, 1942, Serial No. 459,606
1 Claim. (Cl. 15—16)



In a suction cleaner, a barrel section and a handle section, pivotal means joining said sec-

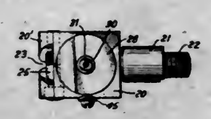
tions to form an elongated slender body having an external surface of substantially continuous streamlined contour, a cleaning tool attached to said barrel section and forming one extremity of the body, said handle section terminating in a handle constituting the other extremity of said body, said barrel section including a passage for conveying a dust laden air stream from said tool to said handle section, and including a dust receptacle chamber lying alongside said passage, said chamber having a mouth disposed at the junction with said handle section, said handle section including a casting providing an inverted U-shaped conduit for conveying said dust laden air stream from said air passage to said chamber mouth, said handle section also including as a separate member a dome-shaped member secured to said casting and terminating in a reduced tubular handle portion, and a dust collecting receptacle in said chamber, having a mouth secured between said chamber mouth and the outlet of said conduit, said handle section comprising an end ring which constitutes the means for joining the handle section to the barrel section and which embodies said conduit, and a bell-shaped cap portion the large end of which is joined to said ring and the small end of which is extended to form said handle.

2,355,323
COKE REMOVAL
Leo A. Ohlinger and Henry A. Heiss, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Original application November 16, 1939, Serial No. 304,790. Divided and this application February 15, 1941, Serial No. 379,090
2 Claims. (Cl. 299—69)



1. Apparatus for the hydraulic removal of solid coke from a reaction chamber comprising in combination a hydraulic conduit, at least two tubular members communicating with said hydraulic conduit, said tubular members diverging at an angle downwardly from said hydraulic conduit and so shaped that the axis of each of said tubular members is returned to a position parallel with the axis of said hydraulic conduit but at a distance therefrom, a nozzle attached to each of said tubular members, said nozzles having their axes horizontal and at right angles to the axis of said hydraulic conduit, a pipe arranged coaxially with said conduit, at least two additional tubular members communicating with said hydraulic conduit and with said pipe, said additional tubular members diverging at an angle downwardly from said hydraulic conduit and so shaped that the axis of each of said tubular members is returned to a position parallel with the axis of said hydraulic conduit but at a distance therefrom and thence converges downwardly to said pipe, at least two tubular members extending from said pipe, and nozzles attached to said tubular members, said last-mentioned tubular members being so shaped as to extend downwardly and then transversely so as to cross each other and terminating in an upward direction adjacent the axis of said pipe.

2,355,324
TOOLHOLDER
James H. Palmer, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 14, 1943, Serial No. 483,003
4 Claims. (Cl. 29—96)

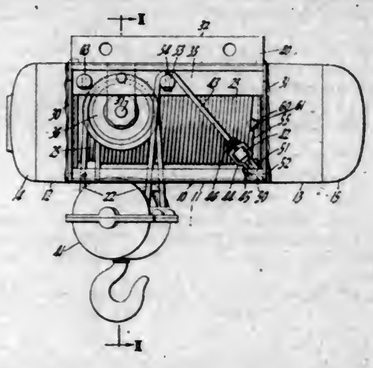


1. A tool holder comprising a body portion with a slit therein to permit clamping of a tool holding assembly therein, said assembly consisting of an outer sleeve provided with threads on its periphery and an inner cylindrical member provided with a longitudinal hole to receive a tool and having an integral head at one end abutting one end of the sleeve and threaded at its opposite end, a spanner nut threaded on the said opposite end of said cylindrical member to clamp the sleeve on the cylinder, said body portion being provided with a slot intermediate its ends, and a spanner nut located within said slot and threaded on said sleeve, said last named spanner nut being restrained from longitudinal movement by the sides of said slot, and means to prevent rotation of said tool holding assembly in said body portion, whereby the tool holder assembly may be adjusted longitudinally of the tool holder by turning said last named spanner nut.

2,355,325
ELECTRIC HOIST
Humphrey F. Parker, Kenmore, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application April 8, 1942, Serial No. 438,133
3 Claims. (Cl. 254—168)

2. An electric hoist comprising a frame, a drum journaled thereon and having a cable-anchoring socket, a motor carried on the frame and operatively connected to the drum for revolving the same, a positioning support carried by the frame, a detachable idler sheave journaled on the frame, a reversible cable having a hoist block thereon, the cable passing from the drum to the block and thence to the idler sheave and back to the block and finally over the support to the frame, readily-disconnect means associated with the support and operable to detachably hold the cable thereupon, a cable-anchoring socket on the frame, anchor-engaging heads permanently carried by the opposite ends of the cable and interchangeably engageable in the cable-anchoring sockets, whereby the reversible cable and its block may be reversed

upon the frame after first detaching the cable from the support and removing the idler sheave, the latter being journaled on the frame adjacent the pay-off end of the drum and remote from the cable-anchoring end of the drum,



whereby upon reversal of the cable block unit the formerly active and worn portion of the cable will be disposed on the cable-anchoring end portion of the drum to remain dormant during the initial operation of the hoist.

2,355,326

PREPARATION OF HIGH MOLECULAR CELLULOSE DERIVATIVES

Siegfried Petersen, Leverkusen-Schlebusch, and Karl Taube, Leverkusen-I. G. Werk, Germany; vested in the Alien Property Custodian

No Drawing. Application July 1, 1941, Serial No. 400,715. In Germany June 6, 1940

10 Claims. (Cl. 18—55)

1. The process of producing coatings and shaped articles of cellulosic materials which are stable to heat and organic solvents which comprises forming a solution of a cellulosic compound selected from the class consisting of cellulose and its alkylated, aralkylated and acylated derivatives which still contain hydroxyl groups, and of a non-cellulosic polyfunctional compound selected from the class consisting of polyesters of polybasic organic acids, esters of ortho organic acids and acetals, in a mutual solvent for said cellulosic compound and said polyfunctional compound, shaping said solution, and thereafter heating the same to effect reaction of the cellulosic compound and the polyfunctional compound with the elimination of a substance selected from the class consisting of alcohols and phenols.

2,355,327

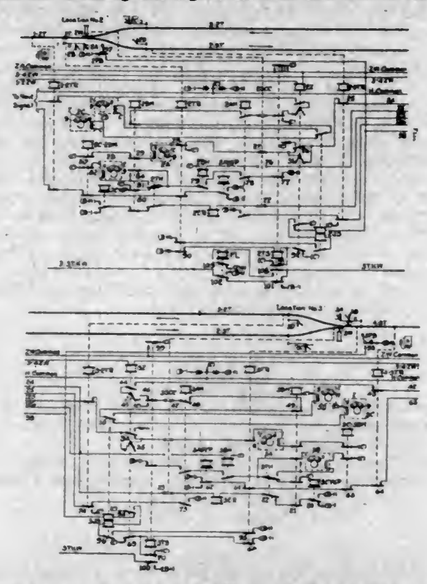
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Robert M. Phinney and Gordon W. Davison, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application March 1, 1943, Serial No. 477,540

9 Claims. (Cl. 246—3)

1. In a centralized traffic controlling system for railroads for a stretch of single track having signals at each end thereof for governing traffic in both directions, a signal control lever at a control office having respective first and second and neutral positions, a line circuit extending from the control office to the signals at the respective ends of said stretch of track, signal control means including said line circuit for causing the signal at one end of said stretch for governing traffic out of said stretch to indicate proceed when and only when said signal control lever is in either said neutral or said first position, signal control means including said line circuit for causing the signal at the opposite end of said stretch for governing traffic out of said stretch to indicate proceed when and only when said signal control lever is in either said neutral or said second position, signal control means including said line circuit for causing the signal at said one end of said



stretch for governing traffic into said stretch to indicate proceed only when said signal control lever is in said second position, signal control means including said line circuit for causing the signal at said opposite end of said stretch for governing traffic into said stretch to indicate proceed only when said signal control lever is in said first position, and means acting to prevent each signal control means from causing its associated signal to indicate proceed if the trackway immediately in advance of such signal is occupied by a train.

2,355,328

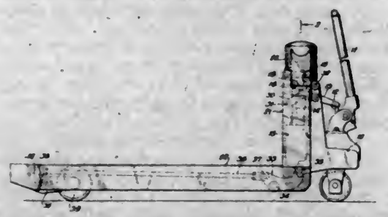
SPRING CUSHIONED LIFT TRUCK

George Quayle, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application July 23, 1941, Serial No. 403,646

7 Claims. (Cl. 254—2)

5. In a truck of the class described, a main



frame, an elevating frame, means mounting said elevating frame for upward lifting movement relatively to said main frame, a thrust mechanism mounted on said main frame, a thrust member forming a part of said thrust mechanism and movable relatively thereto when imparting lifting movement to said elevating frame, a thrust receiving device mounted for movement on said elevating frame and spring pressed relatively to said elevating frame and against said thrust member, whereby said thrust member imparts lifting movement to said elevating frame through the medium of said thrust receiving device and said spring.

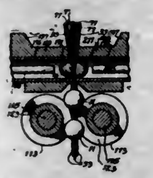
2,355,329

CAPSULE MAKING METHOD AND MACHINE

Edward A. Ravenscroft, Glencoe, and Robert E. Jordan, Deerfield, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

Original application January 11, 1940, Serial No. 313,338. Divided and this application March 27, 1943, Serial No. 480,782

7 Claims. (Cl. 18—5)



1. The method of continuously manufacturing two-compartment, liquid filled, soft gelatine capsules which consists in conducting three sheets of gelatine into proximity with a pair of nozzles in such manner that said nozzles are sandwiched between said sheets, confining predetermined areas of said sheets so as to form two expansible sacks having a common wall and which sacks are in substantial alignment with each other and each of which is open only to the outlet of one of said nozzles, expanding said sacks by forcing liquid filling material into said aligned sacks and thereby expanding said sacks, and then simultaneously severing both of said filled sacks from said gelatine sheets by an operation which simultaneously seals the edges of both sacks and unites those edges together so as to form a single capsule.

6. In a machine of the class described, a pair of generally wedge-shaped nozzles arranged side by side, means for intermittently and simultaneously moving a sheet of gelatine between said nozzles and a sheet of gelatine along the outer face of each of said nozzles, whereby said nozzles are, in effect, sandwiched between said sheets, a pair of oppositely arranged sealing members axially movable toward each other from a separated position to a sealing position, said sealing members being provided with aligning, cylindrical passageways which define a cylindrical cavity when said members are in the sealing position, tubular cutter members movable through said aligning passageways from a separated position to an engaging position, means actuable following each intermittent forward movement of said sheets to move said cutter members from the separated position into an intermediate position in which said cutter members press said sheets together with sufficient force to expel any air which may be entrapped therebetween, another means actuable following each movement of said cutter members to said intermediate position to move said sealing members from the separated position to the sealing position in which said sealing members confine a circular area of said sheets and thereby form two separate, expansible sacks which are in substantial alignment with each other and each of which is open only to the outlet of one of said nozzles, retracting means operable following each movement of said sealing members to the sealing position to retract said cutting members a short distance, said nozzles being operative to deliver a quantity of filling material into the respective sacks connected therewith when said cutting members are so retracted, said first mentioned means being actuable following each filling operation to move said cutter members into engagement with each other, thereby simultaneously severing both of said aligned sacks from said sheets and simultaneously uniting the edges of said sacks to form a two-compartment capsule, and means for moving said sealing members to the separated position following each cutting operation, said first mentioned means and said retracting means being also operative to effect separation of said cutting members and return thereof to their initial, separated position.

2,355,330

ALLYL AND METHALLYL ESTERS OF ALPHA-HYDROXY-ISOBUTYRIC AND ALPHA-ACETOXY-ISOBUTYRIC ACIDS

Chessie E. Rehberg, Philadelphia, and Charles H. Fisher, Abington, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application February 4, 1943, Serial No. 474,758

4 Claims. (Cl. 260—484)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A composition of matter comprising allyl alpha-hydroxy-isobutyrate represented by the formula $(CH_3)_2C(OH)COOCH_2CH{:}CH_2$.

2,355,331

RATCHET CLAMP ATTACHED OVERALL BUCKLE

Ray R. Roberts, Thomaston, Theodore Russell, Naugatuck, and Robert J. Hodge, West Haven, Conn.

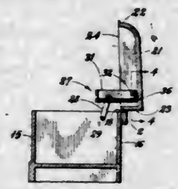
Application July 9, 1943, Serial No. 493,978

2 Claims. (Cl. 24—73)



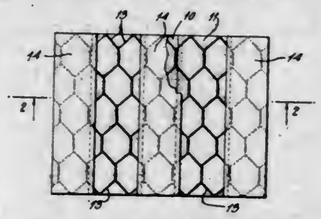
1. In a buckle, a substantially rectangular frame having a transverse opening therein, and a straight upper edge, a narrow groove extending below the surface of said frame adjacent said upper edge, a pair of apertured ears upstanding from the plane of said frame at the opposite sides thereof adjacent said upper edge, a toggle crossbar having a pair of pins on the extremities thereof pivotally mounted in the apertures of said ears to permit said crossbar to swing with respect to said buckle frame, said crossbar having an upstanding short locking section at its upper end which lies at right angles to the plane of said buckle frame and in alinement with said groove when said crossbar is in locked position whereby it will forceably press a shoulder strap in kinked condition into said groove with a strong toggle action, the width of said narrow groove being substantially the same as the thickness of said short locking section.

2,355,332
CHEST
Edward Roos, Jr., Western Springs, and Walter H. Ziegler, Forest Park, Ill.
Application April 29, 1943, Serial No. 485,030
2 Claims. (Cl. 312—186)



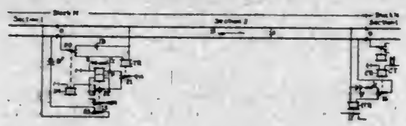
1. In a chest having front, back, bottom and end walls, a closure hinged to the upper edge of said back wall, said closure having front, back, top and end walls, a tray, a wooden hinge pin rigidly secured in each end wall of said closure and extending inwardly loosely into openings in the end walls of said tray adjacent the rear ends thereof, wooden links pivoted at their upper ends to the forward portions of the end walls of said tray and at their lower ends to the end walls of said body portion for holding said tray in a horizontal plane in all positions of said closure, abutment means on the back wall of said chest flush with the upper edge thereof, the lower portion of the end walls of said tray being extended rearwardly for engaging the inner surface of the top wall of said closure for cooperating with said abutment members for limiting the opening movement of said closure.

2,355,333
REINFORCED WATERPROOFING SHEET MATERIAL
Harry N. Sandell, Brookline, Mass., assignor to Sandell Manufacturing Company, Inc., Watertown, Mass., a corporation of Massachusetts
Application June 17, 1943, Serial No. 491,247
11 Claims. (Cl. 72—116)



1. Reinforced waterproofing sheet material adapted for contact application thereto of hydraulically setting cementitious material, which comprises a base sheet of fibrous sheet material impregnated with a waterproofing material, an apertured sheet-like metallic reinforcement overlying said base sheet, and a plurality of spaced strips of fibrous sheet material impregnated with a waterproofing material and overlying said sheet-like metallic reinforcement and bonded to said base sheet by waterproofing binder material through apertures in said metallic reinforcement, said apertured metallic reinforcement between said strips being exposed in regions of substantial area for direct contact with hydraulically setting cementitious material.

2,355,334
CODED TRACK CIRCUIT SIGNALING SYSTEM
Marcian A. Scheg, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application March 10, 1942, Serial No. 434,039
7 Claims. (Cl. 246—34)



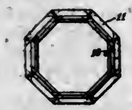
1. In a signaling system of the coded track circuit type, the combination with a railway track block divided into two sections by insulating joints, code creating means at the exit end of the second section for applying code impulses to said second section for actuating a code following track relay at the entrance end of said second section, a track repeater relay at the entrance end of said second section and having a front contact for repeating said code into the exit end of the first section, an energizing circuit for said track repeater relay including a front contact of said track relay, an impulsing relay, an energizing circuit for said impulsing relay including a front contact of said track repeater relay and a back contact of said track relay, means for retarding the dropping of said track repeater relay to determine the period of energization of said impulsing relay, and means for retarding the picking up of said track repeater relay so that in spite of the retardation of its dropping its front contacts will not be closed any longer than the duration of the code impulses applied to said track relay, whereby the same track repeater relay may be used to time the duration of the impulses of the inverse code and the duration of the impulses of the code repeated into the track section in the rear.

2,355,335
PURIFICATION OF MERCAPTANS
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application January 29, 1943, Serial No. 473,974
5 Claims. (Cl. 260—609)

1. The process of separating a mercaptan from the corresponding alcohol, which comprises esterifying the alcohol with boric acid and separating the mercaptan from the ester by distillation.

2,355,336
REINFORCED WOODEN CULVERT AND THE LIKE
George E. Shafer, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application July 2, 1942, Serial No. 449,433
6 Claims. (Cl. 138—79)

1. In a culvert or conduit structure, a resilient basic conduit, and a reinforcing overstructure therefor, comprising a series of tongued elements with their tongues crossing and interengaged to form a structure in which an increase in the angularity between elements is strongly resisted, the tongues of one element resting on end portions of other elements conformed to the angularity of interengagement, said elements being interengaged one with another to form a ring



superposed upon and extending circumferentially of the basic conduit and closely conforming thereto.

2,355,337
PREPARATION OF ETHER AMINES
Le Roy U. Spence, Elkins Park, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 28, 1942, Serial No. 456,525
9 Claims. (Cl. 260—584)

1. The process of preparing ether amines of the formula

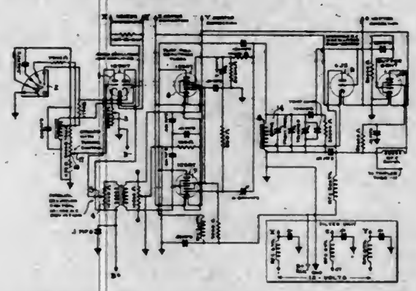
$$[R(OC_nH_{2n})_x]_mNH_{3-m}$$

which comprises reacting between about 100° C. and about 200° C. ammonia and a haloalkyl ether of the formula

$$R(OC_nH_{2n})_xY$$

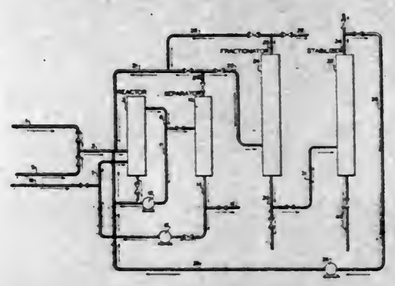
in the presence of an aqueous alkali metal hydroxide in an amount at least equivalent to the haloalkyl ether, wherein in the above formulae R signifies a hydrocarbon group, C_nH_{2n} represents an alkylene group in which n has a value of two to four, inclusive, x represents an integer having a value of at least one, m is an integer having a value of one to three, inclusive, and Y represents a halogen from the class consisting of chlorine and bromine.

2,355,338
FREQUENCY MODULATION SIGNAL GENERATOR
Arthur W. Stewart, Detroit, Mich., assignor to Detrola Corporation, Detroit, Mich., a corporation of Michigan
Application February 20, 1943, Serial No. 476,545
8 Claims. (Cl. 250—36)



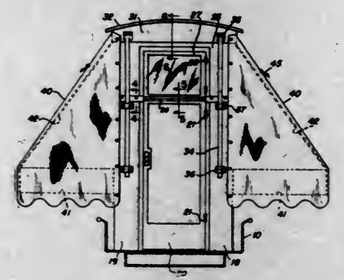
1. A frequency modulation signal generator comprising means for producing a signal of audio frequency, means for producing a signal of radio frequency, means for modulating the frequency of said radio frequency signal with said audio frequency signal, means for varying the frequency of said radio frequency signal, and means for maintaining the frequency deviation of said frequency modulated signal constant throughout the range of said radio frequency oscillator.

2,355,339
MANUFACTURE OF MOTOR FUELS
Le Roy G. Story, Chicago, Ill., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Original application March 21, 1939, Serial No. 263,114. Divided and this application April 20, 1943, Serial No. 483,747
12 Claims. (Cl. 260—683.4)



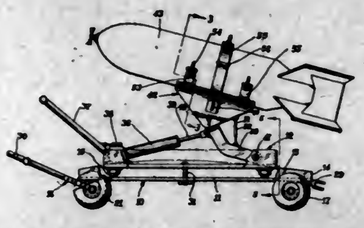
1. The process of alkylating paraffins with olefins wherein paraffins and olefins are charged to the alkylation reaction which comprises contacting the paraffins and olefins under alkylating conditions in the presence of an alkylation catalyst and a hydrogenation catalyst that has appreciable hydrogenation activity at said alkylating conditions.

2,355,340
KNOCKED-DOWN HOUSING STRUCTURE
Alva L. Strope, Wallace, Idaho, assignor of one-half to Daniel Hannah, Wallace, Idaho
Application March 19, 1943, Serial No. 479,808
1 Claim. (Cl. 20—2)



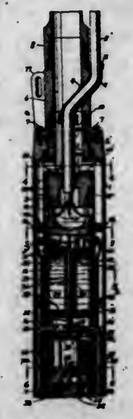
A housing structure, comprising a base box having end wall sections, side wall sections of less height than said end wall sections, one of said end wall sections having a door therein, a rectangular roof unit supported upon said end wall sections and adapted to be raised thereabove, means for slidably securing said roof section to said end wall sections and for guiding the same during the raising operation, supplemental end wall sections to be disposed between said roof sections and the upper edge of said wall sections, a bunk pivoted to the upper edge of each side wall to swing outwardly from the area defined by the base box unit for right angular disposition in a horizontal plane, means between said roof section and the outer edge of said bunk section whereby said bunks are supported at their outer edges from said roof, and fabric means for enclosing said bunk when in the extended position.

2,355,341
BOMB-HANDLING EQUIPMENT
Clem G. Trimbach, Eggertsville, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 12, 1943, Serial No. 482,801
6 Claims. (Cl. 214—1)



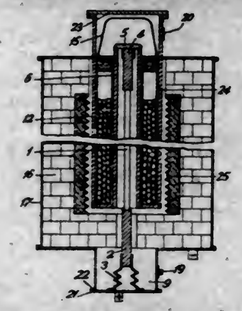
1. In a bomb-handling arrangement, a supporting carriage adapted for movement over the ground, hoisting means on the carriage to give vertical adjustment to a bomb being carried by the arrangement and including a bomb-retaining carrier, rotatable elements on said carrier for supporting said bomb, said elements permitting rotation of the bomb about its axis and having sharp projections which bite into the casing of said bomb to hold the latter against movement in the direction of said axis, whereby in addition to vertical adjustment of the bomb on its carriage a rotative movement of bomb about its axis may be had.

2,355,342
DRILLING APPARATUS
Carl W. Van Wormer, Bellaire, Tex.
Application June 13, 1942, Serial No. 446,856
13 Claims. (Cl. 255—4.8)



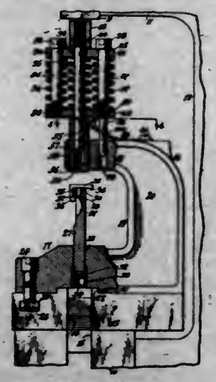
1. In a drilling mechanism adapted to be secured to the lower end of a nonrotating drill string, a body, means for securing the upper end of said body to a drill string, a motor carried by said body and having a drive shaft extending downwardly therefrom and having its lower end adapted to receive a drill bit, a cooling fluid jacket around said motor within said body, the upper end of said jacket being in communication with the interior of said drill string to receive a drilling fluid therefrom and the lower end in communication with the interior of a drill bit secured to said shaft to deliver drilling fluid thereto.

2,355,343
FURNACE FOR THE ELECTROTHERMAL PRODUCTION OF MAGNESIUM
Alfred von Zeerleder, Neuhausen-on-the-Rheinfall, and Werner Syz, Sous-Geronde, Chippis, Valais, Switzerland, assignors to Societe Anonyme pour l'Industrie de l'Aluminum, Chippis, Switzerland
Application September 17, 1942, Serial No. 458,750
In Switzerland July 23, 1941
6 Claims. (Cl. 13—8)



1. Furnace for the electrothermal production of magnesium by reduction of oxidic magnesium compounds with the aid of a reducing agent furnishing only non-gaseous oxidation products, comprising in combination, a reaction chamber, an elongated electric heating element adapted to heat the reaction mixture from the inside, a metallic protecting tube surrounding said heating element and separating it hermetically from the reaction chamber, said heating element and said protecting tube being united electrically at one end, and electric connections from the current supply conductors to the heating element and to the metallic tube disposed in such a manner that that end of the tube which is united with the heating element is free to permit access to the reaction chamber without unsealing the space between said tube and said element, and that the tube serves also to conduct the current from or to the heating element.

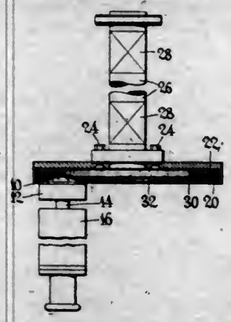
2,355,344
SHEET MATERIAL PUNCHING APPARATUS
George F. Wales, Kenmore, N. Y.
Application January 12, 1942, Serial No. 426,447
38 Claims. (Cl. 164—94)



1. In a press having a bed and a ram movable toward and from the bed, multiple perforating

units, each of said units comprising a holder which is adjustably mounted on said bed and movable lengthwise thereon, a normally stationary die member mounted on said holder, a punch member movably mounted on said holder and adapted to be moved by said ram toward said die member and the workpiece to be perforated, resilient means for moving said punch away from said die and the workpiece, and adjusting means for adjusting the relative position of said die and punch members for bringing their cooperating parts in the proper cooperating position with other like units independently of said bed and ram.

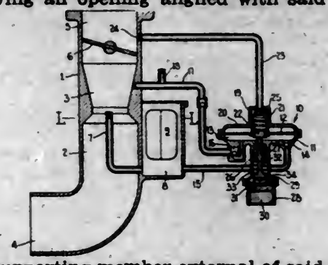
2,355,345
OPTICAL DEVICE AND METHOD OF MAKING SAME
Victor Walker, Fort Erie, Ontario, Canada, assignor to AlnCin, Inc., Buffalo, N. Y.
Application October 2, 1941, Serial No. 413,330
6 Claims. (Cl. 51—284)



1. A method of shaping a glass body so as to produce thereon a convex shaped finished surface generated about an axis of symmetry, said method comprising the operation of rotating said body about said axis of symmetry while pressing an abrading wheel against said body to thrust thereagainst in the same direction as said axis of symmetry and while rotating said wheel about an axis substantially parallel to but offset from said axis of symmetry, said wheel having an abrading face portion thereof symmetrically contoured relative to said axis of wheel rotation and sectionally profiled to complement the prescribed sectional profile form of the portion of the finished surface to be produced at only one side of the axis of symmetry thereof, said wheel being disposed throughout said operation to bear against said body so as to provide abrading contact therewith only at one side of the axis of symmetry thereof.

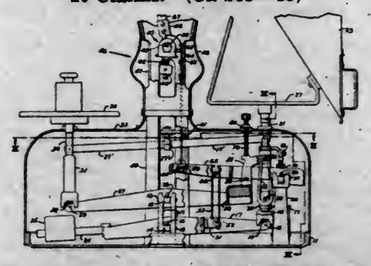
2,355,346
CARBURETOR ACCELERATING PUMP
Walter H. Weber, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application March 13, 1942, Serial No. 434,485
2 Claims. (Cl. 261—34)

1. In a carburetor, a casing having a mixture passageway, a throttle valve controlling flow through said passageway, a pump casing having a power cylinder communicatively connected to said passageway on the outlet side of said throttle valve, a plunger in said cylinder, a resilient diaphragm displacement member in said pump casing and operatively connected to said plunger, said pump casing and said diaphragm member forming a pump chamber having a fuel inlet and having an outlet leading to said passageway, a spring in said cylinder and operable to move said diaphragm member to discharge fuel from said chamber upon opening movement of said throttle valve, the wall of said pump casing having an opening aligned with said cylin-



der, a supporting member external of said chamber and extending from said wall, a crystalline material thermostat carried by said supporting member, and a rigid thrust rod operable by said thermostat and extending through said wall opening for engagement with said plunger to limit the discharge stroke of said diaphragm member.

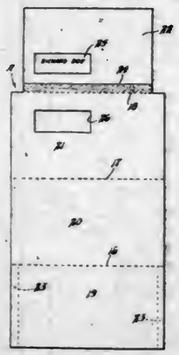
2,355,347
WEIGHING SCALE
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application April 17, 1942, Serial No. 439,355
10 Claims. (Cl. 265—48)



1. In a device of the class described, in combination, weighing mechanism comprising load supporting means, load counterbalancing mechanism operatively connected thereto and load indicating means actuated by said load counterbalancing mechanism, said load supporting means including a load lever and a counterpoise lever, a pair of fulcrum pivots in each of said levers, bearings mounted in spaced vertical relation for receiving said pairs of fulcrum pivots and supporting said levers for oscillating movement, a pair of load pivots in one end of each of said levers, a load supporting spider mounted upon said load pivots in said load lever, a load receiver mounted upon said load supporting spider for supporting a load to be weighed, a counterpoise supporting spider mounted on said load pivots in said counterpoise lever and a receiver mounted on said counterpoise supporting spider for supporting a counterpoise, means on each of said levers for offsetting the dead weight of the said spider and receiver mounted thereon, a pivotally mounted motion transmitting lever, a pivotal connection between said load lever and said motion transmitting lever, a pivotal connection between said motion transmitting lever and said load counterbalancing mechanism for transmit-

ting such oscillating movement of said load lever to said load counterbalancing mechanism, a link operatively connecting said load lever and said counterpoise lever, and adjustable stop to arrest the motion of said counterpoise lever for disengaging said link from one of said levers at a predetermined angle of its oscillating movement whereby such load supported on said load receiver is counterbalanced solely by said load counterbalancing mechanism and its weight is directly indicated by said load indicating means.

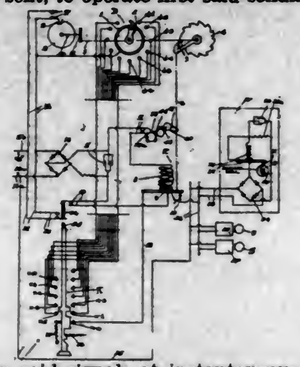
2,355,348
MULTIPLE USE MAILING FOLDER
Le Roy Welliver, St. Paul, and Hugh H. Sievers, Minneapolis, Minn.
Application July 18, 1941, Serial No. 402,932
1 Claim. (Cl. 229—73)



In a multiple use mailing folder, an elongated strip of sheet material having transverse fold lines dividing said strip into a plurality of panels, two of said panels being folded against each other and secured at certain of their edges to form a pocket, the panel next to said pocket panels having a window formed therein, and a panel immediately adjacent said windowed panel having on opposite sides thereof an original address and a return address, said last mentioned panel being foldable alternately against opposite sides of said windowed panel and said original and return addresses being alternately visible through said window.

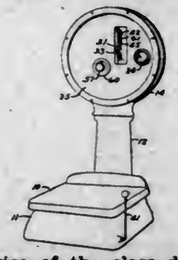
2,355,349
SIGNAL IMPULSE SENDING SYSTEM
John H. Wheelock, Fitzwilliam, N. H., and Hugo F. Cypser, New York, N. Y., assignors to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application June 21, 1940, Serial No. 341,740
4 Claims. (Cl. 177—380)

1. An impulse sending system, comprising in combination, a source of electrical energy having a limited instantaneous rate of power output, electrically operated signals, an electrically operated device for sending electrical impulses to said signals, with said signals and sending device having instantaneous rates of power intake higher than the power output rate available at said source, condensers for receiving charges of current from said source at the limited power output rate available, and means in the system, including said impulse sending device, for successively charging said condensers and discharging the stored energy of said condensers, for each impulse sent, to operate first said sending device



and then said signals at instantaneous rates of power input greater than the charging rates of said condensers from said source.

2,355,350
PERCENTAGE INDICATING SCALE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application July 24, 1942, Serial No. 452,138
7 Claims. (Cl. 116—129)

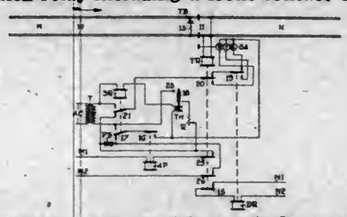


1. In a device of the class described having a housing, a chart within said housing and movable in response to loads being weighed, an elongated opening in said housing through which said chart is visible, said chart bearing curved index lines so arranged as to appear through said opening to move through apparently equal linear distances for equal percentage changes in the weight of such load and a pair of pointers projecting into said opening for cooperation with said index lines for indicating the distance through which said lines are to be moved by increasing such load, means adjustably connecting said pointers to vary the distance between them, a third pointer differentially linked to the first mentioned pointers for dividing the distance between the first mentioned pointers in constant proportions irrespective of the total distance between said pointers.

2,355,351
PRIMARY BATTERY DEPOLARIZING SYSTEM
Joseph E. Willing, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 5, 1943, Serial No. 474,883
11 Claims. (Cl. 246—41)

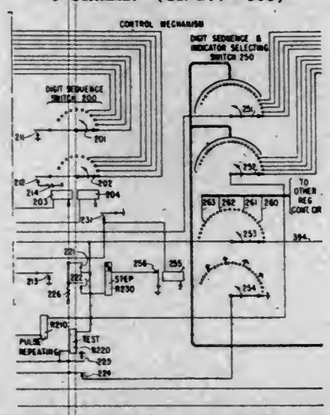
1. A system for depolarizing a primary battery used for railway signalling purposes com-

prising; a primary battery; another source of current; a stick relay; an approach relay and a slow pick-up relay; a railway signal; means for actuating said approach relay when a train approaches said signal in the direction said signal governs traffic; a circuit for said slow pick-up relay including a back contact of said stick relay and a contact closed when said approach relay is in its actuated condition; a pick-up circuit for said stick relay including a front contact of said



slow pick-up relay; a stick circuit for said stick relay including a contact of said approach relay closed when said approach relay is in its actuated condition; and two circuits for said signal one including said primary battery and a back contact of said stick relay, and the other including said other source of current and a front contact of said stick relay; whereby said signal is energized by current from said primary battery each time said approach relay is actuated and for the pick-up duration of said slow pick-up relay.

2,355,352
INDICATING SYSTEM
Bernard D. Willis, deceased, late of Oak Park, Ill., by Wm. Walter Owen, executor, Elgin, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application April 30, 1942, Serial No. 441,118
3 Claims. (Cl. 177—353)



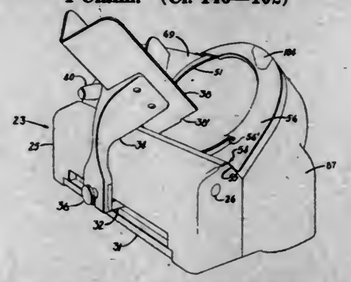
1. An indicating system comprising a plurality of groups of individual multi-positioned character indicating means, means whereby each indicating means is moved to its different positions indicating its characters by a series of successive impulses, the number of which corresponds to the character to be indicated, impulsing means for transmitting series of impulses, the number in each series being indicative of the character represented by said series, a multi-position sequence switch having a position for each indicating means through which the impulses for operating it are routed, means for advancing the sequence switch from position to position, means operated at the termination of each series of impulses for operating the advancing means to advance the sequence switch to the next position, and means operated when the sequence switch encounters a group of indicators in which an indication is set up for operating the advancing means to move the sequence switch from position to position for said group until it moves to a position corresponding to the first indicating means of the next group.

2,355,353
SLIP RING FOR LIGHTING FIXTURES
Jerome D. Wolfe, New York, N. Y.
Application April 25, 1942, Serial No. 440,499
2 Claims. (Cl. 248—345)



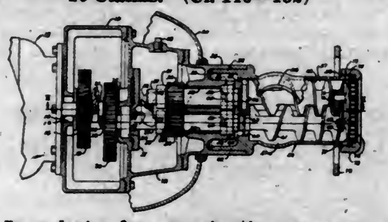
1. A slip ring for the pipes and rods of lighting fixtures and the like, comprising a sheet metal ring for engagement on the pipe or rod of a lighting fixture, lugs extending from the top edge of said ring and having a downwardly extending portions projecting along the face of said pipe, and a screw threadedly engaged through said ring in alignment with one of said downwardly extending portions to bear thereagainst and urge said downwardly extending portion into face engagement with said pipe or rod.

2,355,354
SLICING MACHINE
George R. Wood, Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application September 15, 1941, Serial No. 410,927
1 Claim. (Cl. 146—102)



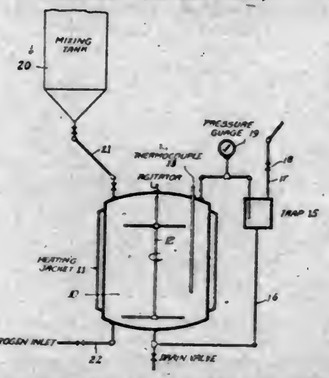
In a slicing machine having a revoluble circular knife blade the edge of which is inclined from the vertical, a frame having a housing portion extending fore and aft along the lower portion of said knife blade, a stationary shaft extending fore and aft within said housing portion, a pair of stationary parallel rails lying below said stationary shaft, a carriage slidably mounted on said stationary shaft and having a guiding roll located between said pair of stationary parallel rails, said carriage having a part extending exteriorly of said housing portion, a commodity tray having a depending bracket detachably secured to the part of said carriage extending exteriorly of said housing portion, a knife guard overlying said knife blade and being cut away to expose the forward portion of said knife blade, the top of said housing portion being shaped to form a smooth ledge lying along the lower portion of said circular knife blade and adapted to support and guide commodities for slidable movement therealong past the exposed forward portion of said knife independently of said commodity tray.

2,355,355
FOOD HANDLING APPARATUS
George R. Wood, Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application April 11, 1942, Serial No. 438,610
10 Claims. (Cl. 146—182)



1. In a device for comminuting meat, in combination, a chamber, a pair of intermeshed feeding worms in said chamber, a perforated plate across the discharge end of said chamber, a rotary knife socketed in the end of each of said worms and adapted to sweep over the surface of said plate, an a thrust and pressure equalizer rockingly mounted at the inner end of said chamber and acting on said worms for compensating for unequal thrusting pressure acting longitudinally on said knives and said worms.

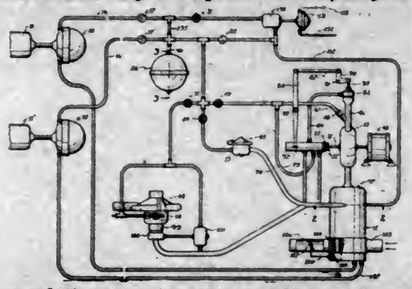
2,355,356
PREPARATION OF AMINES
Hobart P. Young, Jr., Winnetka, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application May 6, 1941, Serial No. 392,117
6 Claims. (Cl. 260—583)



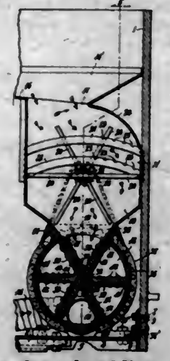
1. In the process of hydrogenating aliphatic nitriles to amines, the method of increasing the yield of amines having at least two alkyl radicals which comprises removing gaseous ammonia from the reaction zones as the hydrogenation of the nitriles proceeds.

2,355,357
HYDRAULIC POWER TRANSMISSION SYSTEM
Harold W. Adams and Earl Schuyler Kleinhans, Santa Monica, Calif., assignors to Douglas Aircraft Company, Incorporated, Santa Monica, Calif.
Application March 20, 1939, Serial No. 262,958
6 Claims. (Cl. 60—97)

2. A hydraulic power transmission system including a plurality of independently operating prime movers operating at widely varying speeds and adapted to drive a vehicle directly, separate pump means actuated by each of said prime movers and adapted to supply fluid at constant pressure and in variable volume regardless of the speed of their respective prime movers, a hydraulic conduit system interconnecting said pump means, and a plurality of hydraulically driven units operatively connected to said hydraulic system and imposing different types of demands thereon, each of the pump means being adapted to supply all demands simultaneously regardless of the operation of any other pump means.



2,355,358
BLOWING MACHINE
Frank W. Anderson, Hinsdale, Ill., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application August 2, 1940, Serial No. 349,707
12 Claims. (Cl. 83—6)

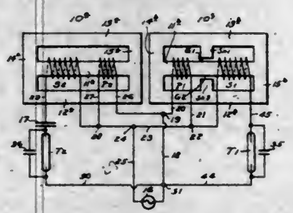


1. A machine for shredding or nodulating loosely matted fibrous material comprising a shredding or nodulating device for progressively breaking up the material from larger to smaller shreds, rotatable picker fingers and a plurality of rows of shear bars radially spaced apart within the radius of the picker fingers between which all of the material is fed for being progressively broken up from larger to smaller shreds.

2,355,359
FLUORESCEIN AND HALOGENATED FLUORESCEINS DYE ACIDS
William C. Bainbridge, Brooklyn, N. Y., and Frederick J. Hope, Teaneck, N. J., assignors to H. Kohnstamm & Co. Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 17, 1941, Serial No. 423,272
11 Claims. (Cl. 8—6)

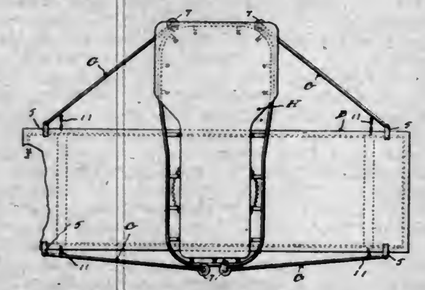
7. The method of producing a dye acid of the group consisting of fluorescein and halogenated fluoresceins which comprises forming an aqueous solution containing about 10 grams per liter of a water soluble alkali metal salt of said dye acid and about 1 gram per liter of a water soluble alkali salt of a fatty acid of the group of fatty acids having at least 11 carbons in the carbon chain attached to its COOH group, acidifying the solution with a mineral acid to precipitate the dye acid and fatty acid, and separating the precipitated acids from the solution.

2,355,360
FLUORESCENT TUBE SYSTEM AND APPARATUS
Charles Philippe Boucher, Fostoria, Ohio, and Aubrey E. Noble, Verona, N. J., assignors to Boucher Inventions, Ltd., a corporation of Delaware
Application September 14, 1942, Serial No. 458,274
10 Claims. (Cl. 315—255)



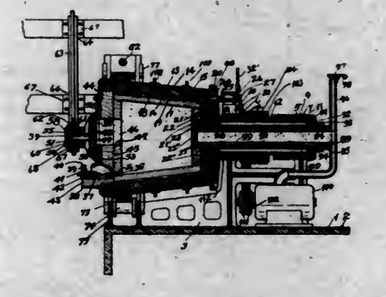
1. An electric lighting system, comprising, in combination, transformer means having two main magnetic cores disposed in substantially separate magnetic relationship, primary and secondary windings mounted on each main magnetic core magnetically independent of the other core, said secondary winding being connected in individual circuits with individual electric discharge lamp loads, shunt means extending magnetically between the primary and secondary windings of one of said main magnetic cores, and a current-limiting condenser in the lamp circuit of said secondary winding of the other main magnetic core.

2,355,361
SAFETY DEVICE
John H. Brown, Wakefield, Mich.
Application March 23, 1943, Serial No. 480,238
5 Claims. (Cl. 212—70)



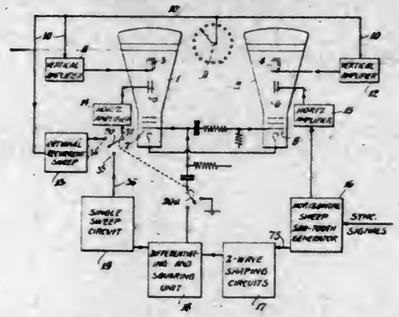
1. The combination with a supporting body and a structure mounted thereon for turning movement to swing to positions beyond opposite sides of the body; a pair of gates pivotally attached to each of said opposite sides of the body to swing into positions substantially parallel with the adjacent side of the body, the pivot for each pair of gates having positions fore and aft of the turning axis for said structure, an endless trackway encircling the lower portion of the pivoted structure, an anti-friction connection between each gate and the trackway whereby the gates will be swung outwardly away from the body upon movement of the pivoted structure to a position transversely of the body, and resilient means normally urging swinging of the gates inwardly toward the body.

2,355,362
METHOD AND APPARATUS FOR REMOVING SULPHUR AND PHOSPHORUS FROM MOLTEN METALS
Donald J. Campbell, Spring Lake, Mich.
Application May 20, 1942, Serial No. 443,774
9 Claims. (Cl. 266—34)



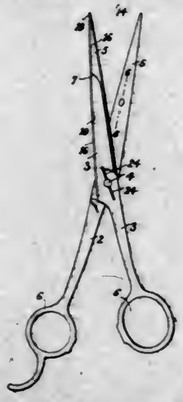
1. Apparatus for removing sulphur and phosphorus from molten metals, comprising a conical shell of wrought metal having a back at its smaller end, and an inwardly extending flange at its larger end, with a semi-circular hole at its axis having a flattened side, the shell having a lining of heat insulating material, a second lining of refractory blocks each having a recess with a portion of an electrical heating unit therein, having a connector extending exterior of the shell for engaging an electrical contact member connected to an electrical circuit, and a third lining of refractory blocks within the said second lining, the said inwardly extending flange front of the shell having a refractory linging with a tap out hole at the inner periphery of the shell lining, and in radially spaced apart relation to the flattened side of the hole at the axis of the inwardly extending flange front, and having a spout extending from adjacent the said tap out hole for conveying the molten metal away from the said tap out hole, a skim apron adapted to be attached to the front of the shell between the flat side of the skim hole at the axis of the inwardly extending flange and the said tap out hole, a hollow shaft extending axially from the back of the said shell, and rotatable in bearings supporting an end of the shell and refractory lining therein, a dog latch engaging the back of the shell for preventing rotation of the shell during the skim and tap out periods of the molten metal within the lining of the said shell, the said dog latch forming a part of a slidable rack moved by a gear rotated by a hand wheel, a tubular member extending longitudinally of and within the said hollow shaft, and supported by a hollow head having connection with a pipe connected to an air pump, for drawing a partial vacuum in the said shell, and a valve associated with the said pipe for breaking the said partial vacuum.

2,355,363
CATHODE-RAY IGNITION ANALYZER
Peter S. Christaldi, Wood-Ridge, N. J., assignor to Allen B. DuMont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application September 29, 1942, Serial No. 460,142
19 Claims. (Cl. 171—95)



1. An analyzer comprising two cathode-ray tubes, x-axis and y-axis deflecting means for the rays of said tubes, and means to render a series of signals visible on one of said cathode-ray tubes and means to render one of the same signals simultaneously visible on a larger scale on the other cathode-ray tube.

2,355,364
SCISSOR
Maurice L. Cohn, New York, N. Y., assignor to Change-A-Blade Corporation, New York, N. Y., a corporation of New York
Application September 17, 1943, Serial No. 502,745
1 Claim. (Cl. 30—260)

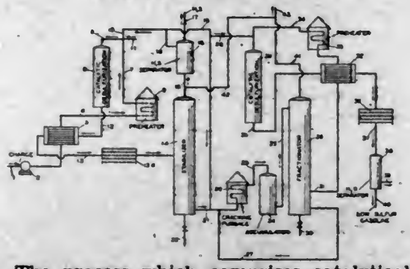


A scissor having a detachable blade, said scissor having a handle part provided with a pivot-pin opening, a shank formed integrally with the handle part and extending from the pivot-pin opening toward the tip of the blade but terminating at a distance from said tip, a detachable blade removably secured against a face of the shank, the blade being of tapered form and extending beyond the end of the shank and having a bent-over flange extending along its rear edge only and at right angles to the body of the blade, the shank extending over and covering one face of the blade for the greater part of the length of the blade with a part of the blade extending beyond the shank to form a relatively sharp point, said blade being stiffened by the shank, the shank having a flat edge disposed against the flange of the blade and having its opposite edge tapering toward the cutting edge of the blade.

2,355,365
CONCENTRATION OF SYLVINITE ORES
Allen T. Cole, Lakeland, Fla., assignor, by mesne assignments, to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application December 23, 1942, Serial No. 469,915
19 Claims. (Cl. 209—166)

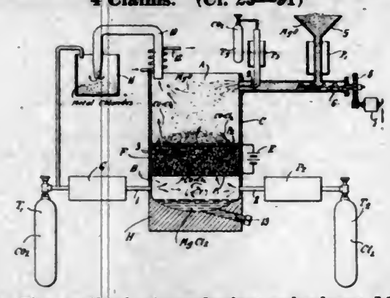
1. The improvement in the method of separating sylvite from a pulp containing it which comprises subjecting said pulp to a concentrating process employing a collector selected from the group consisting of aliphatic amines containing a straight chain hydrocarbon group of at least 7 carbon atoms and their soluble salts formed by their combination with acids which are relatively devoid of surface active properties, which resides in distributing in said pulp a useful amount of an auxiliary collecting agent selected from the class consisting of lignin derivatives which are water-soluble or capable of being colloidally dispersed in water, and thereafter subjecting the pulp to a separation treatment to remove the desired sylvite.

2,355,366
PROCESS FOR CATALYTICALLY DESULPHURIZING HYDROCARBON OIL
Miller W. Conn, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 12, 1942, Serial No. 426,533
3 Claims. (Cl. 196—24)



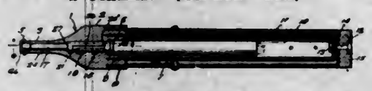
1. The process which comprises catalytically desulphurizing hydrocarbon oils of the gasoline range and heavier by passage of said oils in the vapor phase over a desulphurization catalyst at a temperature from approximately 500° to 800° F. in the presence of from about 10 to 50% by volume of hydrogen sulphide free gases consisting essentially of hydrogen and C_4 and lighter hydrocarbons, said gases being derived from a subsequent step, removing hydrogen sulphide, hydrogen, and C_4 and lighter hydrocarbons from the desulphurization effluent, subjecting the resulting material in the vapor phase to a cracking step at a temperature of approximately 900° to 1200° F. in the presence of an additional portion of said hydrogen sulphide free gases in amount equal to from about 10 to 50% by volume, fractionating the cracking effluent into a gaseous fraction comprising hydrogen sulphide, hydrogen and C_4 and lighter hydrocarbons, a heavy bottoms product and a gasoline boiling range product, and removing the latter; combining the gases comprising hydrogen sulphide, hydrogen and C_4 and lighter hydrocarbons from the desulphurizing step and from the cracking step, removing the hydrogen sulphide and other sulphur containing compounds and recycling the hydrogen sulphide free gases to the desulphurization and cracking steps as above stated.

2,355,367
METHOD OF PRODUCING ANHYDROUS $MgCl_2$
Hugh S. Cooper, Cleveland, Ohio, assignor of one-half to Frank H. Wilson, Cleveland, Ohio
Application June 28, 1941, Serial No. 400,184
4 Claims. (Cl. 23—91)



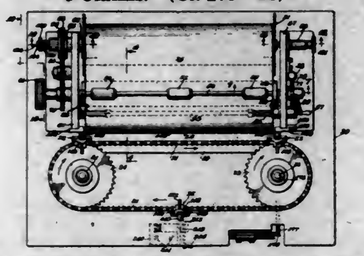
1. The method of producing anhydrous $MgCl_2$ substantially free from MgO which comprises dispersing MgO of relatively small particle size below about 100 mesh heated to temperatures approximating 1000° C. into the top of an ascending column of a reducing and chlorinating gas mixture consisting of the gases carbon monoxide and chlorine in approximately equal molecular proportions heated to temperatures approximating 1000° C. to convert the MgO to liquid $MgCl_2$, collecting the $MgCl_2$ formed during the free fall of the MgO particles through the said column upon a porous filter heated to temperatures approximating 1000° C. and flowing said reducing and chlorinating gas through said filter countercurrent to the draining of said $MgCl_2$ therethrough to a collecting hearth.

2,355,368
CIGARETTE HOLDER AND BUTT EJECTOR
Antonio Di Rubbio, Brooklyn, N. Y.
Application March 12, 1943, Serial No. 478,937
2 Claims. (Cl. 131—182)



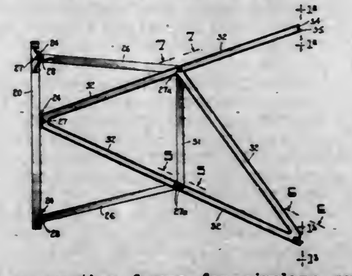
1. A cigarette holder comprising a mouth bit having an outer cigarette-holding end provided with an axial socket therein for the insertion of the butt end of a cigarette thereunto, a butt ejector sleeve endwise slidable in said bit in the axis thereof in opposite directions for projection outwardly of said socket and retraction into the bit inwardly of the socket, and means to advance and retract said sleeve, comprising a tubular plunger endwise slidable inwardly and outwardly of the other end of said bit in the axis thereof and including a flanged end abutting said other end of said bit to establish the limit of inward sliding movement of the plunger, said plunger being also rotatable in said bit, and coacting devices on said sleeve and plunger, respectively, for interlocking the plunger with opposite end portions of the sleeve under rotation of the plunger in opposite directions, respectively.

2,355,369
MULTISTYLUS FACSIMILE RECORDER
William G. H. Finch, Newtown, Conn., assignor to Finch Telecommunications, Inc., Passaic, N. J., a corporation of Delaware
Original application November 16, 1938, Serial No. 240,675, now Patent No. 2,212,970, dated August 27, 1940. Divided and this application August 24, 1940, Serial No. 354,127
6 Claims. (Cl. 178—11)



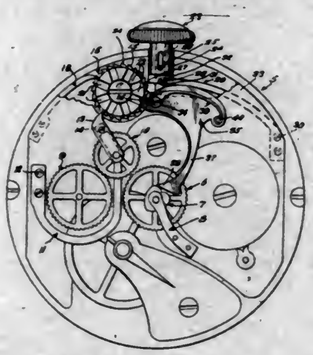
1. A continuous facsimile recorder employing a record sheet in the form of a roll comprising mechanism for continuously feeding said sheet during recording periods, means for taking-up recorded sheet portions including supports for a sheet pick-up roll, a gearing connection between said feeding mechanism and said means proportioned to over-drive said pick-up roll, and apparatus to permit slippage of said means whereby said record sheet is maintained taut during recording thereon.

2,355,370
ENGINE MOUNT
Christopher J. Frey, Forest Hills, N. Y.
Application February 27, 1942, Serial No. 432,657
5 Claims. (Cl. 248—5)



1. A supporting frame for airplane engines comprising a pair of spaced longérons, each longéron being bent to an angle forward, with the legs extending rearwardly, a circular engine mount, vertically spaced transverse members connecting corresponding legs of said longéron intermediate their ends, substantially parallel longitudinal members in approximately rectangular array connecting said circular engine mount to the junctures of said longéron legs and said transverse member, inclined truss members extending each from the lower two of said junctures to a point of the upper transverse member intermediate its ends, downwardly and rearwardly extending members connecting the upper two junctures of the longitudinal members with the upper longéron legs to the rearward ends of the lower longéron legs, and a pair of bracing members extending each respectively from a common point intermediate the ends of the lower transverse members to the rear ends of the lower legs of the longérons.

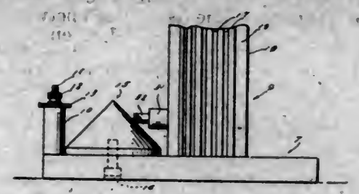
2,355,371
STOP WATCH MECHANISM
John Hans Furbach, Amarillo, Tex.
Application July 16, 1942, Serial No. 451,176
1 Claim. (Cl. 58—76)



In a stop watch mechanism for operating a sweep second hand, said mechanism comprising a center wheel adapted to operate the sweep second hand, a heart wheel on said center wheel, a spring pressed flyback lever pivotally supported to normally engage said heart wheel and return the sweep second hand to zero position, said flyback lever having a nose at one side of its pivot, a slotted wheel having ratchet teeth on its periphery and having an axial extension formed with radial slots defining segments between them, with which segments and slots the nose on the flyback lever is arranged to operatively engage, a spring dog engaging the teeth of said slotted wheel to prevent reverse rotation thereof, said mechanism having a fourth wheel at one side of said center wheel, a first lever spring carrying an intermediate wheel normally connected with said fourth wheel, said first lever spring including a pawl engaging with either the slots or the segments of the slotted wheel in accordance with the position of the slotted wheel, a second lever spring anchored at one side of said mechanism and having its free end located adjacent to said slotted wheel, a click pivoted on the free end of said second lever spring, a depressible crown over said click, said crown having a relatively slidable stem connected thereto for winding and setting said mechanism, said crown being adapted to be depressed to engage said click with one of the ratchet teeth of said slotted wheel to turn the same to cause the nose of the flyback lever to be displaced and said pawl to be displaced, thereby removing the flyback lever from engagement with the heart wheel, and freeing the heart wheel for rotation while operatively connecting said fourth and center wheels for moving the sweep second hand away from zero position.

2,355,372
GRINDING WHEEL FORMING AND DRESSING MEANS
Elie Haddad, Royal Oak, Mich.
Application February 19, 1944, Serial No. 523,079
4 Claims. (Cl. 125—11)

1. In a structural assemblage of the class described, in combination, a base, a tool carrier unit shiftably supported on the surface of the base, a conical template on said base, and a feeler



finger carried by said unit and cooperable with the surface of said conical template.

2,355,373
APPARATUS FOR FILTERING AND DEHYDRATING FLUIDS
Lewis E. Hankison, Dormont, Pa.
Application March 3, 1942, Serial No. 433,108
3 Claims. (Cl. 183—32)

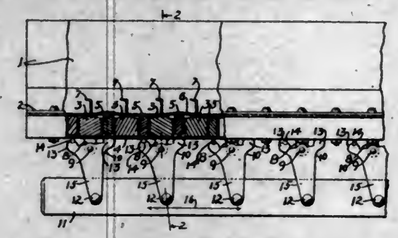


1. In combination in a combined filter and dehydrator, an upright casing comprising a cylindrical shell and a separate head engaging and closing each end of said shell, a tubular member extending through and located concentrically of said shell and having two sets of ports formed therein between said heads, a partition in the tubular member isolating one such set of ports from the other, a cylindrical cooler located within said casing surrounding said member in open communication with one set of the ports formed therein and supported in spaced relation by the lower head, a filter located within said casing surrounding said member in open communication with the other set of ports formed in said member and supported by said cooler means for securing both said heads to said member and in place on said shell and float controlled means within said casing for controlling a liquid delivery port formed in said shell.

2,355,374
CONCENTRATING TABLE
Charles C. Herbert, San Jose, Calif.
Application December 16, 1942, Serial No. 469,263
1 Claim. (Cl. 209—458)

A concentrating table of the character described comprising, a pair of spaced parallel side parts, uniformly spaced transversely disposed members of similar cross-sectional proportions

associated fixedly therewith to form vertical guideways extending from one side to the other, vertically slidable elements disposed between said members in said guideways and extending substantially the length thereof, a flexible covering overlying said members and elements and supported thereby, means operative to support said elements in contact with said covering, riffles disposed over said covering in planes bisecting said members longitudinally and vertically, and means operative to slide said elements vertically in said guideways and effect displacement of material between said riffles.



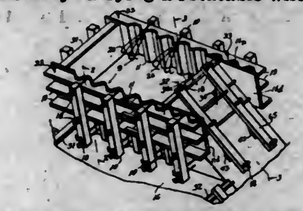
2,355,375
ORE CONCENTRATOR
Charles C. Herbert, San Jose, Calif.
Application June 9, 1943, Serial No. 490,386
3 Claims. (Cl. 209—475)



1. A dry ore concentrating table of the character described comprising, an inclined oblong frame, a textile fabric stretched over the same and attached thereto at its edges only, supporting bars for the unattached portion of the fabric disposed laterally of the frame, means operative to force air to flow alternately in opposite directions through the fabric to raise and lower the same on the supporting bars, riffles and supporting means therefor disposed on the top of said fabric to prevent the fabric being raised by the air forced therethrough, and means operative to simultaneously raise all of the riffles with respect to said fabric to permit raising of the fabric by the air passing therethrough.

2,355,376
CONCRETE-FORM STRUCTURE
Julian Huddleston, Clovis, and Elwyn W. Simpson, Friant, Calif.
Application July 25, 1941, Serial No. 404,004
9 Claims. (Cl. 25—131)

1. In a concrete form structure, a panel having a face portion adapted to contact and shape concrete poured into the form, said panel having a portion extending downwardly below said face portion spaced laterally from said surface portion to provide a space between said downwardly extending portion and the concrete when poured, a dolly carried by said downwardly extending portion of said panel and occupying the space between said last mentioned portion and the concrete, said dolly carrying a rotatable wheel which



is positioned to travel upon the face of the poured concrete, and means to hoist said panel in a step-by-step manner as the concrete hardens.

2,355,377
ATTACHING MEANS FOR CLOSURES
Hugo R. Hustad, New York, N. Y.
Application August 17, 1940, Serial No. 353,018
4 Claims. (Cl. 215—70)



2. In combination, an article; a cover for said article; resilient linkage means; means attaching said resilient linkage means to said article; a pintle secured to said cover and arranged to engage said resilient linkage means during the removal of said cover from said article thereby articulatively attaching said cover to said article; and cam means secured to said cover adjacent said pintle, said cam means being adapted to cause said pintle to flex said resilient linkage means when said cover is swung back from said article and to thereby retain said cover in its swung-back position until forcibly removed therefrom, wherein the resilient linkage means comprises a resilient arm having a hooked terminus; wherein the cam means comprise a pair of spaced cam elements; and wherein the linkage engaging means comprises a pintle element extending between and having its ends secured in the said cam elements, the said pintle being arranged to engage the said hooked terminus of the resilient arm.

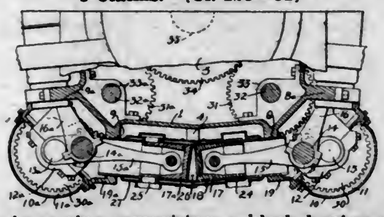
2,355,378
DETACHABLE TOILET SEAT AND COVER
Arthur Jacobs, Newark, N. J.
Application July 8, 1942, Serial No. 450,114
3 Claims. (Cl. 4—234)



1. For connecting a toilet seat and cover therefor to a toilet bowl, a pair of standards, spaced lugs projecting from the underside of the cover, a reduced extension on the seat fitting between said lugs, and a hinge pin for each standard, each lug and said extension on said seat having a recess to register with the recess in the other part,

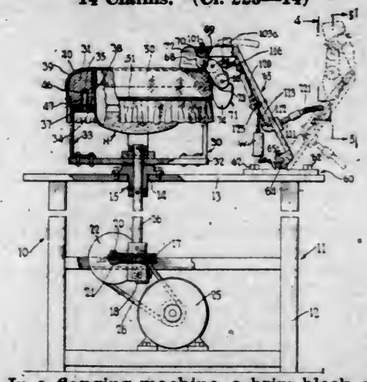
one of said hinge pins being longitudinally slidable into and out of said registering openings, and means mounting each hinge pin in one of said standards such as to permit removal of said pin from said standard and to prevent said longitudinal movement of the pins when they are connected to the corresponding standards, whereby the cover and seat can be connected to and disconnected from each other and the standards by mounting and dismounting said pins on and from said standards and sliding said pins into and out of said recesses respectively.

2,355,379
MULTIPLE PISTON ENGINE
Alfred C. Johnson, Santa Clara, Calif.
Application February 1, 1943, Serial No. 474,395
3 Claims. (Cl. 123—51)



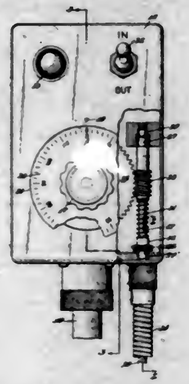
2. An engine comprising, a block having parallel cylinders disposed thereon and provided with a boss between each two cylinders, adjoining cylinders being provided with opposed elements formed with registering grooves and disposed to seat on the intervening boss, means engaging said grooves and boss to fixedly hold the cylinders in position, and means operatively disposed on the block to slidably support the ends of the cylinders.

2,355,380
HAT BRIM FLANGING MACHINE
Henri H. Kaufman, New York, and Rudolph G. Segschneider, Yonkers, N. Y.
Application November 28, 1941, Serial No. 420,786
14 Claims. (Cl. 223—14)



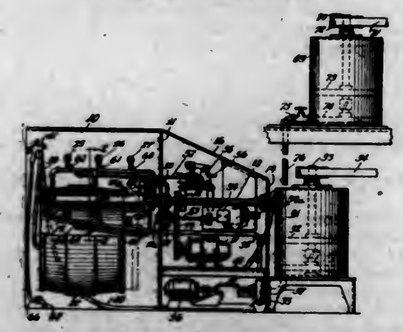
1. In a flanging machine, a brim block, means to rotate the block about its axis, and means to press the brim of a hat against the brim block, said last means comprising a movable member, a shaft on said member, and a plurality of fingers each pivotally suspended at one end thereof, only, from said shaft, the opposite end of each finger hanging freely, each of said fingers comprising a plurality of interpivoted knuckles, said fingers being adapted to be moved against the brim block.

2,355,381
PRESELECTION CONTROL MECHANISM
William P. Lear, Piqua, Ohio, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio, a corporation of Illinois
Application February 25, 1942, Serial No. 432,195
18 Claims. (Cl. 33—136)



1. A remote control system comprising: a device operable between extended and retracted positions; reversible motive means coupled to said device; mechanism for selectively controlling the degree of extension and retraction of said device including a movable member, means remotely coupling said member with said device for displacing said member in accordance with the motivation of said device, an element mechanically coupled with said member and normally displaceable therewith, said element being displaceable in either direction with respect to said member for correspondingly predetermining the degree of extension or retraction of said device; and reversible switching apparatus actuated by said element upon its relative displacement in either direction for energizing said motive means to operate said device in the direction corresponding to the direction of the displacement of said element.

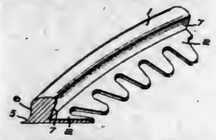
2,355,382
APPARATUS FOR COATING TIRE ARTICLES
Charles W. Leguillon, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 5, 1942, Serial No. 441,784
7 Claims. (Cl. 91—45)



1. Apparatus for coating a tire article of annular form, said apparatus comprising a spindle

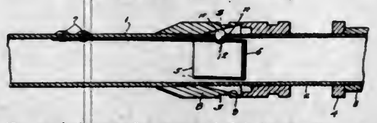
for supporting the article, means for driving the spindle to rotate the article, tapered means on the spindle for urging the article along the same to a coating position, means for supplying a dispersion of the coating material, means for spraying the dispersion upon the article and means operable upon the arrival of said article in said coating position for starting operation of the spraying means.

2,355,383
WELT INSOLE AND PREFORMED SEWING RIB THEREFOR
Wallace C. Wright, Brookfield, N. H.
Application March 17, 1943, Serial No. 479,528
4 Claims. (Cl. 36—22)



1. A welt insole for use in the manufacture of welt boots and shoes, comprising an insole blank of one material and a preformed sewing rib of different material having an integral attaching flange secured to the marginal portion of the insole, said rib being of resilient plastic material, and having its upper portion of greater thickness than at the base of the rib adjacent said flange.

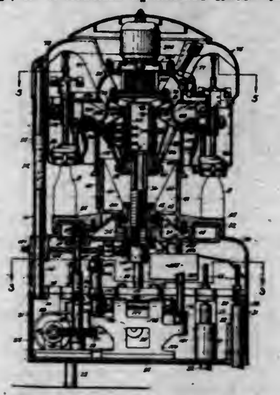
2,355,384
TELESCOPIC SIGHT
Ralph A. Litschert, Winchester, Ind.
Application September 1, 1943, Serial No. 500,828
3 Claims. (Cl. 33—50)



1. In a telescopic gun sight including a telescope tube and a reticule cylinder in said tube, means to mount said cylinder in the tube for adjustment crosswise of the tube, means to adjust said cylinder comprising an adjusting sleeve on said tube movable along the same into different set positions, and means to lock the adjusting sleeve in different set positions comprising a locking sleeve on said tube adjustable on the tube into locking engagement with said sleeve.

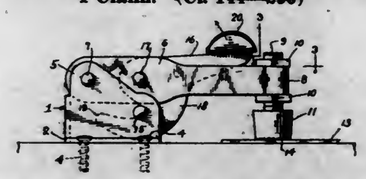
2,355,385
MACHINE FOR APPLYING CLOSURES TO BOTTLES
Edward N. Lowry, Syracuse, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application February 23, 1940, Serial No. 320,366
17 Claims. (Cl. 226—83)

1. A machine for applying hood caps to bottles, the skirt portions of which caps are coated with a substance rendered adhesive by the application of heat to make the caps self-securing on the bottles comprising a frame, means operable to advance a procession of bottles with caps positioned thereon, a series of cap contracting members arranged above said bottles, and said members being movable in unison with the procession of bottles, each of said members being provided with a heater unit, said cap contracting members being positioned with the heater unit of each of said members in heat exchanging relation with the cap on the bottle below said member for a predetermined distance of the advancement of the bottles to heat the marginal portion of the cap, and means operable after the heating



of the cap to effect relative axial movement between the bottles and said contracting members to fold the marginal portion of the cap about the top of the bottle and contract the folded portion against the top of the bottle, and to subsequently move the contracting members out of engagement with the capped bottles.

2,355,386
CLAMP
Clarence L. McCullough, Zanesville, Ohio
Application July 27, 1943, Serial No. 496,345
1 Claim. (Cl. 144—290)



A clamp for use on a fixed part of a machine or the like to clamp a piece of work against said part comprising a bracket adapted for attachment to said part, a clamping arm pivotally mounted at one end on said bracket for swinging toward and from said part, a clamping leg extending from the other end of said arm at a right angle thereto for engagement with the piece of work, a member mounted on said bracket, and a clamping lever pivoted at one end to said arm intermediate the ends of the latter for swinging on said arm, said lever including a hook on the pivoted end thereof for camming engagement with said member when swinging the lever toward said part to force the arm toward, and the clamping leg against the piece of work.

2,355,387
CONNECTOR FOR ELECTRIC WIRES
William R. Main, Delanco, N. J.
Application May 14, 1942, Serial No. 442,956
11 Claims. (Cl. 174—87)

2. A connector for electric wires comprising a pair of tubular members in telescoping engagement; one of said members being of a compressible metal and snugly fitting within the other

member and permanently secured thereto; said inner member enclosing a group of wires in substantially parallel arrangement to be electrically



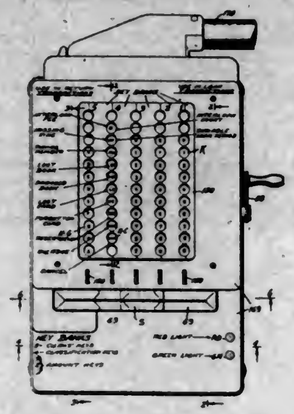
connected, and means movable with respect to the outer member for compressing said inner member and its contained wires with respect to said outer member.

2,355,388
PROCESS FOR THE THERMAL TREATMENT OF CARBONACEOUS MATERIAL
Wilhelm Michael, Ludwigshafen-on-the-Rhine, Otto Goehre, Heidelberg, Gerhard Free, and Wilhelm von Fuener, Ludwigshafen-on-the-Rhine, and Wilhelm Schneider, Mannheim, Germany; vested in the Alien Property Custodian
No Drawing. Application July 30, 1938, Serial No. 222,144. In Germany August 9, 1937
4 Claims. (Cl. 196—53)

1. In a process for the destructive hydrogenation of a carbonaceous material in the presence of a catalyst comprising using as the catalyst a substance obtained by heating a mixture of a mineral hydrogel precipitated from a gel-forming solution with at least one compound of a polyvalent metal which by the heating of said mixture is converted into an oxide of said metal, said mixture having been effected without separating the said hydrogel from its precipitation liquid, the step of mixing the gel-forming solution with an acid and at least one salt of a polyvalent metal.

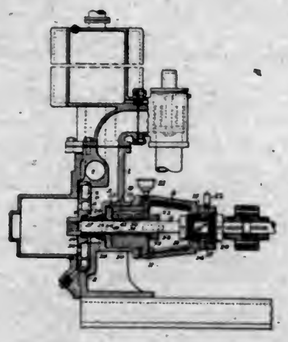
2,355,389
RECORDING MACHINE
Albert W. Mills, Endicott, Edward J. Rabenda, Binghamton, and Frank J. Furman, Endicott, N. Y., and Edward J. Keough, Stamford, Conn., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 24, 1942, Serial No. 470,038
40 Claims. (Cl. 164—113)

1. A data transmitting and reproducing apparatus in which a transmitter electrically controls a remote reproducer, said transmitter including a pocket to receive insertable record material and also including a keyboard to set up supplemental data, sensing devices in the transmitter to sense the record material for record data, an operating handle, actuating means operated by the handle for bringing the sensing devices into sensing coaction with the record data, said reproducer being cyclically operable and including recording devices to record selected data, electrical selectors for controlling the recording devices to record selected data, circuits for operating the electrical selectors and selected for operation under control of the sensing devices and the keyboard according to the sensed record data and the supplemental data set-up, an emitter in the reproducer to impulse said circuits successively during a cycle, electrical relay means operated under control of said actuating means, contacts controlled by said relay means for initiating a cycle of the reproducer, and other contacts controlled by the relay means for enabling the selected circuits to be closed successively under control of said emitter for selectively operating said electrical selectors to cause the recording de-



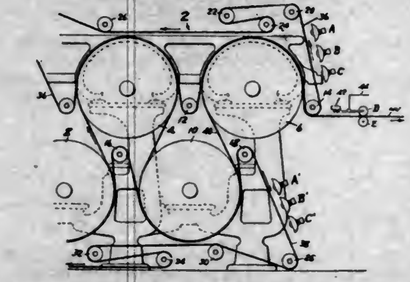
vices to record the record data and the supplemental data upon a single record card during a single, initiated cycle of the reproducer.

2,355,390
BEARING
Daniel Murphy, New Castle, Pa.
Application March 2, 1943, Serial No. 477,703
8 Claims. (Cl. 308—36.2)



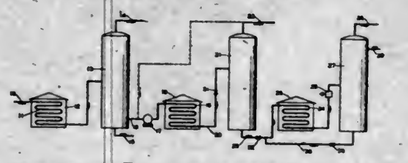
1. In a bearing for a rotary shaft that penetrates a wall and that includes an open-ended cylindrical seat formed integrally with the wall upon one side thereof, a sealing plate encircling the shaft, and a bearing block clamped to place in the seat with the said plate interposed between the seat and the block, the invention herein described, of the provision upon one side of the said sealing plate of a lubricated abutment surface, a spring-backed sealing ring mounted upon the shaft, and adapted to rotate with the shaft and in abutment upon the lubricated surface of the said plate, and a packing gland formed upon the opposite side of the said sealing plate by the bearing block in its encirclement of the shaft, closed at one end by the said sealing plate and at the opposite end by a block borne by the bearing block and adjustable thereon in the direction of the longitudinal extent of the shaft.

2,355,391
PAPERMAKING METHOD AND APPARATUS
Robert F. Nelson, Ardmore, and John N. Tuttle, Philadelphia, Pa., assignors to The Glassine Paper Company, West Conshohocken, Pa., a corporation of Delaware
Application July 27, 1940, Serial No. 347,866
9 Claims. (Cl. 34—4)



5. The method of making paper comprising drying a sheeted web of paper by passage between heated drums and at least one felt, and subjecting said felt to infra-red radiation to substantially in the range of 6500 to 14,000 Angstrom units to effect drying thereof.

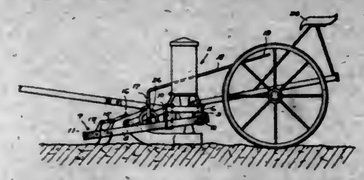
2,355,392
PROCESS FOR TREATMENT OF HYDROCARBONS
George G. Oberfell, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 12, 1940, Serial No. 352,306
6 Claims. (Cl. 260—681.5)



1. The process for the separation of a low-boiling open chain diolefin from a mixture of hydrocarbons having boiling points substantially the same as the boiling points of said diolefin which comprises subjecting the hydrocarbon mixture in a polymerization step to conditions of elevated temperature and superatmospheric pressure which promote dimerization of said diolefin to the dimer thereof as the principal reaction occurring, separating the resulting dimer from the effluent of the polymerization step, and subjecting the dimer in a depolymerization step to conditions of elevated temperatures and in the presence of sufficient steam to maintain low partial pressure of said dimer effecting conversion of said dimer to the monomeric low-boiling open chain diolefin.

2,355,393
PLANTER ATTACHMENT
Kelly Powers, Lagrange, Ind.
Application December 12, 1941, Serial No. 422,740
1 Claim. (Cl. 97—5)

A soil evener attachment for agriculture machines comprising a frame including a pair of side members, a pair of front and rear rolls rotatably mounted and interposed between said side members, a series of closely spaced tines depending from the front roll including a central tine inclining forwardly of the other tines of the series, a pair of tines depending from the rear rolls and spaced outside said series of tines, said rolls being provided with upstanding arms,

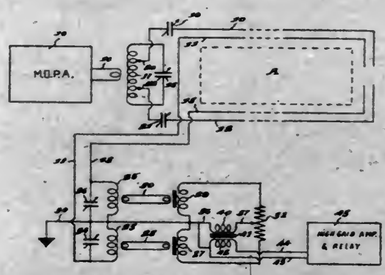


a control member, the upper ends of the arms being pivotally connected to the control member, a quadrant rack mounted on the frame, a lever provided with a detent cooperative with the rack and to which one end of the control member is pivotally connected.

2,355,394
PROCESS FOR PREPARING FOODS
Betsy Ross, Stouchsburg, Pa.
No Drawing. Application December 7, 1943, Serial No. 513,306
7 Claims. (Cl. 99—124)

1. A process for preparing dehydrated cooked vegetables which comprises comminuting the raw vegetable into thin pieces, immersing the pieces in a bath of edible oil at an initial temperature of about 410° F., then after one minute reducing the temperature at successive intervals of about one minute to 390°, 380° and 360° F. for a total treating time of about four minutes, to remove the water present and completely cook the vegetable, and pressing the dehydrated vegetable to remove retained oil and produce a dry powdered vegetable consisting of normally discrete non-agglomerating particles.

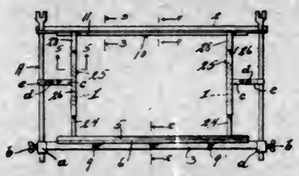
2,355,395
ELECTROMAGNETIC ALARM DEVICE
Jacob H. Rubenstein, Syracuse, N. Y.
Application November 6, 1942, Serial No. 464,820
2 Claims. (Cl. 177—352)



1. An electromagnetic alarm device comprising a pair of conductors extending in proximity to the area to be protected and being insulated from each other and from ground, one of said conductors being energized with a source of alternating current, the other of said conductors being positioned in the magnetic induction field of said first conductor and being energized thereby, said second conductor being connected to a tuned resonant circuit, a second tuned resonant circuit connected to an alternating current source having the same wave characteristics as the cur-

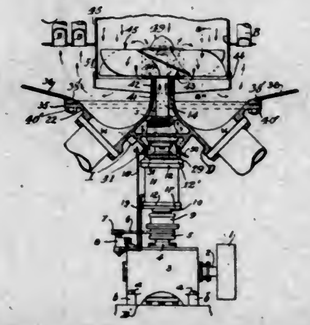
rent in said second conductor, one of said tuned resonant circuits including means operable to vary the phase of the current therein to match the phase of the current in said other tuned resonant circuit, said tuned resonant circuits being coupled respectively to opposite sides of a bridge circuit, an electro-responsive device connected to the center leg of said bridge circuit, and means operable to normally effect substantially zero current in said center leg.

2,355,396
FLOAT
Edward F. Rupp, Cleveland, Ohio
Application January 25, 1943, Serial No. 474,250
6 Claims. (Cl. 271—89)



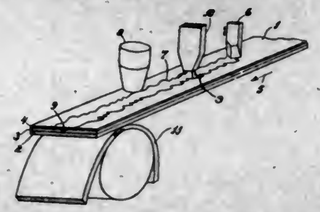
1. A float for use in connection with a jogger mechanism of a printing press including operating members, front and rear bars carried by the operating members, and side boards carried by said members; said float comprising a rear plate, channel means carried by said plate for engagement over and along the rear bar of the jogger mechanism, a front plate, channel means for engagement over and along the front bar of the jogger mechanism, side plates, means carried by the side plates for supporting the same upon the side boards of the jogger mechanism between the front and rear plates of the float, one of the plates being provided with air openings, and means for regulating the flow through said openings.

2,355,397
LIQUID-TREATING AND ANTI-SHORT-CIRCUITING DEVICE
Herman J. B. Scharnberg, deceased, late of Clewiston, Fla., by Marie Margaret Scharnberg, executrix, Clewiston, Fla., assignor to herself
Application February 1, 1941, Serial No. 377,068
18 Claims. (Cl. 159—25)



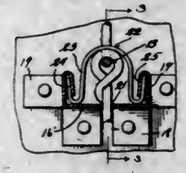
4. A vacuum pan having a bottom comprising an inverted funnel shaped hollow stem projecting upwardly into the interior of said pan; a propeller shaft extending upwardly through said stem and bearingly mounted in annular spaced relation thereto so as to form a feed inlet between said shaft and the inner face of said stem.

2,355,398
OSCILLATION RECORD
Paneras Schoonenberg, Jan Jesayas Hardenberg, and Cornelis Johannes Dippel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 12, 1939, Serial No. 284,124
In Germany June 15, 1936
4 Claims. (Cl. 106—37)



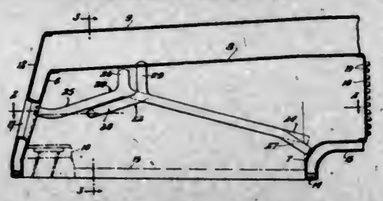
1. As a filling material for a sound track of the hill and dale type, a highly-concentrated gelatinous semi-liquid material containing a water-soluble sulphonated oil.

2,355,399
JACOB'S LADDER
Edward J. Schneider, New York, N. Y., assignor to John B. Salterini and Nan B. Salterini, copartners doing business under the firm name and style of John B. Salterini Company, New York, N. Y.
Application September 1, 1942, Serial No. 456,916
6 Claims. (Cl. 228—40)



2. A Jacob's ladder comprising a pair of side chains, steps located between said side chains, each of said steps comprising a channel bar having inturned side flange portions, a wooden portion partially housed within the channel bar between the inturned flange portions, and a U-shaped clip extending through a link and having hook-like end portions secured beneath the inturned portions of the flanges.

2,355,400
EQUIPMENT FOR LOCOMOTIVE FIREBOXES
Chester A. Siegel, Newark, N. J., assignor to American Arch Company, New York, N. Y., a corporation of Delaware
Application December 20, 1941, Serial No. 423,846
8 Claims. (Cl. 122—68)



1. For a locomotive firebox having a throat sheet, a crown sheet and a backhead, a circulator device having an inlet leg connected with the throat sheet, a second inlet leg connected with the backhead, said inlet legs extending upwardly from the throat and backhead, and outlet means common to the two inlet legs and extended therefrom to the crown sheet.

2,355,401
ICE SKATE
William Sim, Ralston, and Katherine Mary Shields, Prestwick, Scotland
Application February 15, 1944, Serial No. 522,424
In Great Britain January 8, 1944
1 Claim. (Cl. 280—11.18)

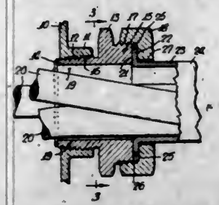


An ice skate having a blade formed with a depending spike at its forward extremity, and, at a short distance behind the spike, with an inwardly directed tooth having a plane under face presenting in conjunction with the vertical face of the tooth near to the spike an edge transverse to the length of the blade.

2,355,402
RESINOUS PRODUCTS
Sidney Sussman, Moorestown, N. J., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 12, 1941, Serial No. 388,273
18 Claims. (Cl. 210—24)

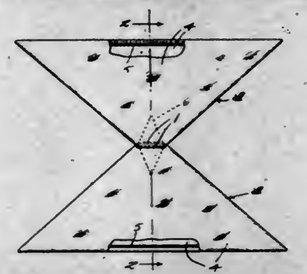
15. A method of removing acid from a liquid comprising bringing said liquid into contact with an anion exchanger comprising a substantially water insoluble reduced resinous condensation product of an aldehyde and a nitroparaffin, separating the liquid and exchange product, and thereafter regenerating said product with a solution of a base.

2,355,403
TERMINATOR
William Anthony Tripp, Boston, Mass.
Application October 28, 1942, Serial No. 463,646
2 Claims. (Cl. 285—6.5)



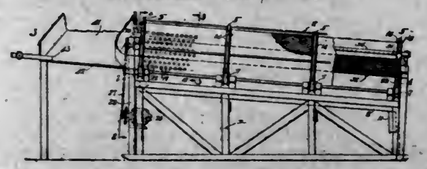
1. A terminator for mechanically gripping and sealing the sheath of an electric cable to an apertured enclosure, the end of which sheath is bent to form a flange, comprising a tubular collar provided with a longitudinally extending threaded section at each end thereof, one threaded section having a standard male pipe thread for attachment to the apertured enclosure, and the other threaded section having a seat for receiving the flanged end of the sheath, and a compression nut threaded for engagement with the seated and threaded end of the tubular collar and having an internal shoulder forming a seat for receiving the flanged end of the sheath, said seats cooperating to simultaneously clamp and support the flanged end of the cable sheath upon taking up on the engaging threads of the compression nut and the tubular collar, thereby sealing the sheath to the apertured enclosure with the electric cable extending through the tubular collar and the aperture of the enclosure.

2,355,404
NETHER GARMENT
Lewis E. Virden and Keith L. Skidmore, Bakersfield, Calif.
Application March 8, 1943, Serial No. 478,392
1 Claim. (Cl. 2—67)



A garment as described, comprising a front section and a rear section, each of said sections being substantially duplicate in dimensions and trapeziform in outline, the longer of the parallel edges of each section being of sufficient length to encircle a wearer's body and overlap to facilitate tying together the corners of the section at the ends of such longer edges, the shorter of the parallel edges of the sections being bisected by a line passing through the mid-points of the longer edges and being joined together, each of said sections comprising two duplicate superimposed pieces of material, and a diamond shaped reinforcement bridging the joined shorter edges and secured between the pieces of the two sections.

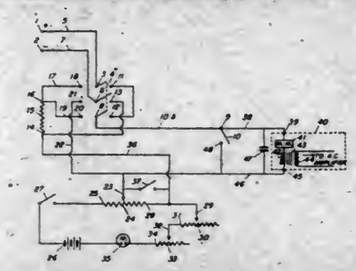
2,355,405
METHOD AND APPARATUS FOR REMOVING SCALES FROM FISH
Michel P. Vucassovich, Beverly, Mass., assignor by mesne assignments, to Gloucester Research Corporation, New York, N. Y., a corporation of New York
Application November 21, 1939, Serial No. 305,437
13 Claims. (Cl. 17—5)



1. The method of removing the scales from fish in which the scales are firmly held, comprising

the steps of delivering a plurality of the fish upon an inclined surface, moving said surface in the direction of said incline upwardly, directing the fish from said first surface against a second surface, spaced from and opposed to the first surface, whereby the fish are arrested from falling freely, at least one of said surfaces being characterized by being a scaling surface, effecting a cutting penetrating engagement of the scaling surface with the scales of the fish, and plucking out the scales, upon relative movement between the scaling surface and the fish, without penetration of the flesh of the fish.

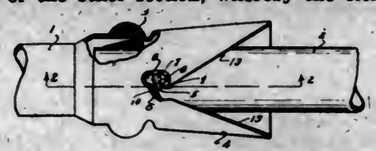
2,355,406
DEVICE FOR USE AS MICROAMMETERS AND POTENTIOMETERS
John B. Wilkie, Silver Spring, Md.; dedicated to the free use of the People in the Territory of the United States
Application March 17, 1942, Serial No. 435,032
4 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device of the character described comprising a current meter, a source of direct current, a variable resistor and a slide wire resistor electrically connected in series relation, arranged so that one end of said slide wire resistor is of a negative polarity with respect to the other end, a contact slider for said slide wire resistor, a null indicator, and a triple pole double throw switch, one pole of said switch being for electrical connection to the positive side of an external unknown source of electricity to be measured, the second pole being for electrical connection to the negative side of said external source, and the third pole being electrically connected to one pole of said null indicator, one contact of said first pole being electrically connected to the corresponding contact of the third pole, the corresponding contact of said second pole being electrically connected to the negative end of said slide wire resistor, a fixed resistor, the alternate contact of the first pole being electrically connected to one end of said fixed resistor and to the corresponding alternate contact of said third pole, the corresponding alternate contact of said second pole being electrically connected to said contact slider and to the other terminal of said null indicator, the other end of said fixed resistor being electrically connected to the negative side of said slide wire resistor.

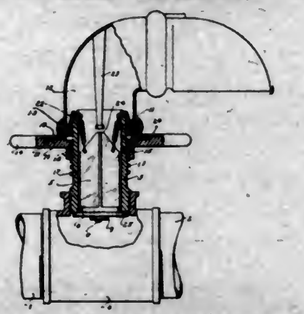
2,355,407
LOCK FOR PIPE JOINTS
Chris Wyss, Tillamook, Oreg.
Application April 28, 1943, Serial No. 484,899
1 Claim. (Cl. 285—175)

A lock for interfitting pipe sections, including an element carried by one section and a cooperating recess formed in the other section, the element being normal to the axis of one section and the walls defining the entrance to the recess being at an angle other than a right angle to the axis of the other section, whereby the element



carrying pipe section must be inclined with respect to the recess-carrying pipe section to a degree to dispose the element at an angle corresponding with that of the recess to permit connection or disconnection of the pipe sections.

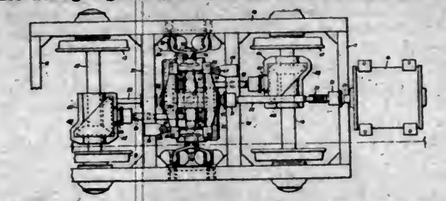
2,355,408
VALVE AND PIPE CONNECTION
Chris Wyss, Tillamook, Oreg.
Application April 28, 1943, Serial No. 484,900
1 Claim. (Cl. 284—17)



A combined valve and fitting between a branch pipe and a main pipe, including a nipple section connected at one end to the main pipe and having a valve normally closing the connection between the main pipe and nipple, said fitting including a terminal of the branch pipe having free sliding and sealing connection with the nipple remote from the main pipe and formed with a lateral annular flange, a hand wheel encircling the nipple and having threaded connection therewith, said wheel being recessed to receive said flange, and a plate overlying the flange and secured to the hand wheel to connect the hand wheel and branch pipe against other than relative rotary movement, the rotary movement of the hand wheel relative to the nipple compelling direct longitudinal non-rotary movement of the branch pipe, and means in said branch pipe to cooperate with and control the position of the nipple valve in such longitudinal movement of the branch pipe.

2,355,409
VEHICLE DRIVE
Robert G. Anderson, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application September 29, 1942, Serial No. 460,049
13 Claims. (Cl. 105—117)

1. A vehicle drive construction for a vehicle having a frame and a plural axle truck for supporting said frame including a motor secured to said vehicle frame, a gear box rigidly secured to said vehicle frame adjacent the center of said truck, gearing mounted in said gear box, means for providing a driving connection between said gearing and said motor, means including a universal connection for providing a driving connection between said gearing and said axles without the transmittal of stresses therebetween due to misalignments thereof, means including a gravity centering device connected to

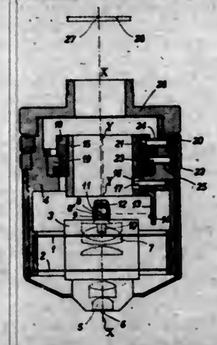


said gear box and to said truck for transversely centering said gear box relative to said truck and for supporting said vehicle on said truck through said gear box and providing for transverse swiveling of said truck relative to said vehicle, and means for transmitting longitudinal forces from said truck to said vehicle through said gear box.

2,355,410
PROCESS FOR THE BROMINATION OF KETONES
Franz Bergel, Welwyn Garden City, England, assignor to Roche Products Limited, Welwyn Garden City, Hertfordshire, England
No Drawing. Application June 5, 1942, Serial No. 445,997. In Great Britain June 24, 1941
6 Claims. (Cl. 260—488)

1. A process for the manufacture of brominated ketones which comprises reacting a ketone of the general formula $CH_3CO.CH_2R$ in which R is a radical selected from the group consisting of alkyl, hydroxy alkyl and esterified hydroxy alkyl radicals, with sulphuryl chloride in the presence of an alkali metal bromide under anhydrous conditions.

2,355,411
HARDNESS TESTING INSTRUMENT
Eugen Oskar Bernhardt and Werner Bischoff, Jena, Germany; vested in the Alien Property Custodian
Application January 30, 1941, Serial No. 376,576
In Germany February 1, 1940
2 Claims. (Cl. 265—12)



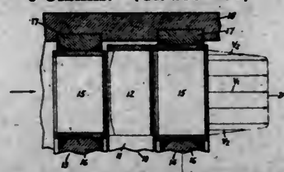
1. An instrument including a microscope having a tube for testing the hardness of a substance, comprising an indentation body of hard material disposed on the axis of said tube for producing an impression in said substance, a spring system connected with said tube and coating with said indentation body and allowing a movement of said indentation body parallel to the optic axis of said microscope, an indicating device comprising a scale member and an index member adapted to coact with each other, at least one of these members being fitted to said tube at the image plane, and an optical system connected with said indentation body and interposed between the other of said members and the image plane of said microscope, said optical system being adapted to form an image of the other of said members in the image-plane of said microscope.

2,355,412
VENTILATOR SHUTTER
Homer M. Bird, Maumee, Ohio
Application February 18, 1943, Serial No. 476,288
6 Claims. (Cl. 98—119)



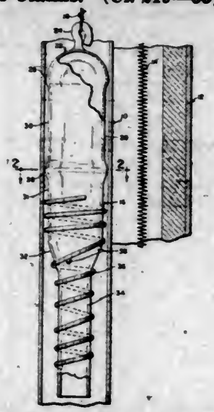
1. In a ventilator having a vertically swinging blade normally standing at closed position and which swings from closed pendent toward a horizontal position when opening, an extension on the blade above its swinging axis, and means swingingly carried by said extension and automatically acting to progressively increase the counterbalancing action of said extension on the blade as it swings from closed toward full open position so that its resistance against opening remains substantially constant for any position of the blade.

2,355,413
ELASTIC FLUID TURBINE BLADING
David J. Bloomberg, Newton, Mass., assignor to General Electric Company, a corporation of New York
Application January 21, 1942, Serial No. 427,601
6 Claims. (Cl. 253—77)



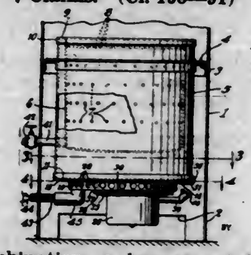
1. Elastic fluid turbine bucket blade for receiving elastic fluid from a diaphragm having a plurality of circumferentially spaced partitions held between inner and outer rings, such blade having an intermediate portion extending over a length of about 80% of the entire length of the blade and having a uniform crescent-shaped cross-section with a constant entrance angle and the blade having a portion at each end with an entrance angle larger than that of the intermediate portion.

2,355,414
VAPORIZING DEVICE
Lester F. Borchardt and William Brastad, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
Application December 12, 1942, Serial No. 468,828
5 Claims. (Cl. 219—38)



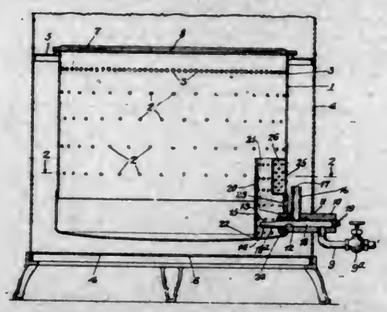
1. Apparatus for melting and vaporizing a solid dropped upon it from above comprising a straight vertical tube, a member positioned therein comprising a body fitting loosely within the tube and having a spiral on its outer surface so that a liquid flowing down the body will flow along and over the spiral, the body having a reduced lower portion with the spiral extending about a portion of the upper part of the body where the spiral nearly engages the inner surface of the tube, and means for heating said member.

2,355,415
FORCED DRAFT UNIT FOR OIL BURNERS
James L. Breese and Bruce Hayter, Santa Fe, N. Mex., assignors to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application October 21, 1939, Serial No. 300,593
7 Claims. (Cl. 158—91)



1. In combination, a burner pot having air apertures at a plurality of levels in the side wall thereof, means for delivering a liquid fuel to the interior of the pot, and means for delivering air under pressure to the space about the exterior of said pot, including an air tight housing surrounding said pot and having a bottom with an air inlet aperture vertically aligned with the center of the pot bottom, and a forced draft unit including a plate, a motor on said plate, a motor shaft mounted for rotation about a generally vertical axis and a fan mounted on said motor shaft, means for supporting said plate below and spaced downwardly from the bottom of said housing, with the axis of said fan aligned with the center of the aperture in said bottom and with the central axis of the pot, said fan comprising vanes extending upwardly from the plane of said housing bottom and located radially substantially within the periphery of said pot, air being free to flow into the space between said plate and the bottom of the housing, and means located between the pot bottom and the bottom of the housing and in the space defined therebetween for causing a radial delivery of the air delivered by said vanes, including a plurality of fixed vanes mounted on and upwardly extending from the bottom of the housing, and located in the direct line of delivery of air from the fan vanes, and terminating at their outer edges adjacent the periphery of the pot, said fixed vanes including generally radial inner portions and being curved laterally toward their outer delivery edges, whereby a substantially circumferential movement is imparted to the air delivered thereby.

2,355,416
OIL PILOT WITH SUPPLEMENTAL AIR SUPPLY
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application July 11, 1941, Serial No. 401,917
3 Claims. (Cl. 158—91)

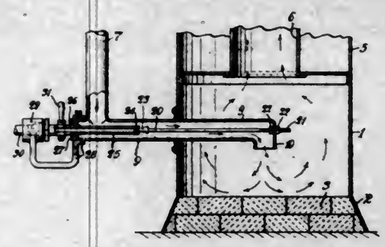


1. In combination with a pot type burner including a pot with a circumferential wall, having a plurality of air inlet apertures located at various levels and a liquid fuel line extending thereto, a fuel nozzle adapted for pilot combustion and extending into the lower portion of the pot adjacent but above the bottom thereof, means for supplying air to the inflowing stream of fuel before it leaves the nozzle, a foraminous pilot piece located within said pot and adjacent said nozzle and adapted to receive the stream of fuel and air delivered from said nozzle, said pilot piece defining, with an adjacent part of the pot wall, a space of much smaller cubic content than the rest of the space within the pot, and means for delivering to the interior of said pilot piece an excess supply of air from outside the pot, including an air distributor located within an upper portion of said pilot piece.

2,355,417
LIQUID FUEL BURNER AND THERMAL CONTROL VALVE THEREFOR
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application September 18, 1941, Serial No. 411,329
6 Claims. (Cl. 158—91)

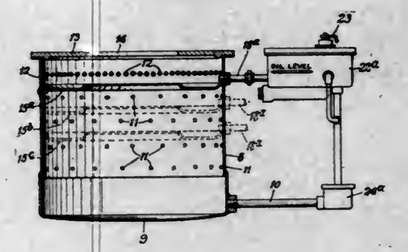
1. In combination, in a liquid fuel burner, a burner chamber, and flue means therefor, an air

inlet pipe extending generally horizontally a substantial distance into the chamber at a level intermediate the top and bottom of the chamber and terminating in a discharge end, said air inlet pipe having an exterior air inlet portion adapted to admit outside air for movement through the pipe and into the burner chamber, a liquid fuel pipe, of substantially smaller diameter than the air inlet pipe, in communication with the interior of the air inlet pipe, at a point substantially



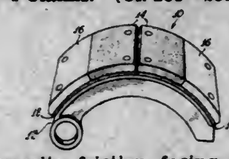
spaced from the discharge end of the air inlet pipe, and means for controlling the flow of liquid fuel through said fuel pipe and into the air inlet pipe, the bottom of the air inlet pipe being generally horizontal, the liquid fuel being in contact with the bottom of said air inlet pipe, and the air inlet pipe being directly subjected to the heat of combustion taking place within the burner chamber.

2,355,418
TWO-LEVEL LIQUID FUEL BURNER
James L. Breese, Santa Fe, N. Mex., and Milton D. Huston, Chicago, Ill., assignors to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application May 16, 1942, Serial No. 443,261
5 Claims. (Cl. 158—91)



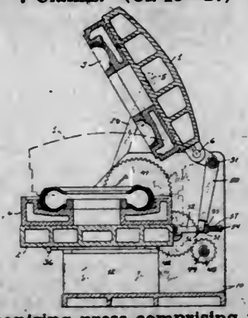
1. In a pot type burner, a burner pot with a circumferential wall having a plurality of air inlet apertures located at various levels in the wall, means for delivering secondary air adjacent the top of the pot, an open topped liquid fuel vaporizing container located intermediate the top and bottom of the pot, and spaced upwardly above and away from the bottom of the pot, means for delivering a liquid fuel to said vaporizing container and for maintaining a predetermined level of liquid fuel therein, and additional means for delivering liquid fuel to the bottom of the pot at a level below said vaporizing container, the fuel in said vaporizing container being subjected to the heat of combustion taking place in and above that portion of the pot which is located above said vaporizing container.

2,355,419
COMPOSITE BRAKE LINING
Donald S. Bruce, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application November 4, 1942, Serial No. 464,459
4 Claims. (Cl. 188—251)



1. A composite friction facing for a pivoted arcuate brake shoe comprising, a plurality of radially spaced segments of heat and pressure hardened fibro-cementitious friction sheets of differential wearing properties, the segments of low wear resistance being assembled as facings for the heel and toe portions of the shoe and the segments of high wear resistance forming the facing of the central portion of the shoe.

2,355,420
PRESS
William J. Carter, Akron, Ohio, assignor, by mesne assignments, to Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application June 16, 1939, Serial No. 279,478
7 Claims. (Cl. 18—17)

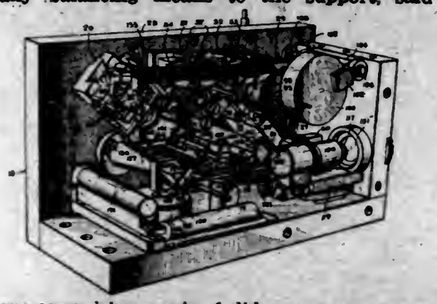


7. A vulcanizing press comprising in combination, a frame, a lower mold section pivotally mounted on the frame for movement in a horizontal plane, an upper section pivotally mounted on the frame for swinging movement toward and away from the lower section, the pivotal connection for the upper section including a rock shaft and a bell crank having one arm thereof pivotally connected to the section and having the other arm pivotally connected to a link, a movable rack guided by the frame and pivotally connected to said link, a second link having a pivotal connection with the rack and with the upper section, a driving pinion meshing with the rack, means for actuating the pinion, and an operative connection between the rock shaft and the lower section.

2,355,421
GRAVITY METER
Dayton H. Clewell and Henry A. Maeder, Dallas, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application August 6, 1941, Serial No. 405,634
17 Claims. (Cl. 265—1.4)

1. A force measuring device comprising in combination, a housing, a support within said housing secured thereto, a mass, means for pivotally securing the mass to the support for rotation in

a vertical plane, means secured to the mass for elastically balancing the effect of gravitational forces on said mass, means for securing said elastically balancing means to the support, said



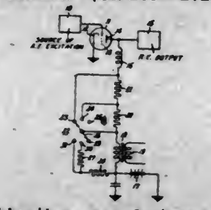
means comprising a pair of slides, common means for adjusting one of said slides and locking it in adjusted position, and means for observing the position of the mass relative to the housing and support, whereby changes in the position of the mass due to the action of gravitational force thereon can be measured.

2,355,422

MODULATING SYSTEM

Howard M. Crosby, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 2, 1942, Serial No. 464,163
5 Claims. (Cl. 179—171.5)



1. In combination, an electron discharge device having an anode, a cathode, and a control electrode, means for applying a radio frequency electromotive force to said control electrode for reproduction on said anode, a circuit between said anode and said cathode including a source of operating potential and a source of signal potential, means for varying the impedance of said anode circuit to vary the radio frequency output of said device, and means for varying the impedance of said anode circuit to maintain constant the total load impedance presented to said source of signal potential.

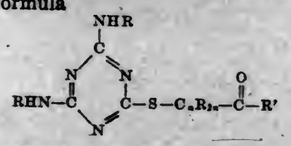
2,355,423

TRIAZINE DERIVATIVES

Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

No Drawing. Application June 19, 1942, Serial No. 447,731
17 Claims. (Cl. 260—249.5)

1. Chemical compounds corresponding to the general formula



where n represents an integer and is at least 1 and not more than 2, R represents a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and R′ represents a member of the class consisting of aryl and halo-aryl radicals.

2,355,424

MANUFACTURE OF COMPOSITE PRODUCTS

Karl Dammann, Trenton, N. J., assignor to Patterson Parchment Paper Company, Bristol, Pa., a corporation of New Jersey

Application June 4, 1941, Serial No. 396,498
18 Claims. (Cl. 91—18)



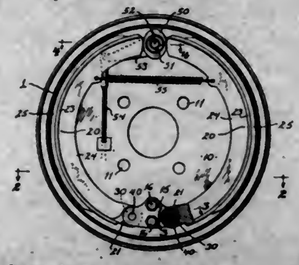
1. A machine for applying a layer of coating material to a web of paper or the like, comprising a reservoir for the coating material, a pick-up roller for carrying the coating material from the reservoir to a coating roller, a coating roller for transferring the coating material from the pick-up roller to the web, said coating roller having its entire coating surface pitted with cavities, means for driving said coating roller at a surface speed less than the speed of feed of the web so that the web slides over the engaged surface portion of said coating roller and the coating material is applied from such roller to the web with a wiping action, a rotating roller engaging the applied coating material, said rotating roller being supported throughout its entire length and having a relatively small radius so as to engage the coating material in a substantially line contact, means in rear of said rollers for feeding the web and means in advance of said rollers for causing the web to be fed at a continuous, uniform rate and under a predetermined, relatively high tension.

2,355,425

BRAKE

Lee C. Daniels, Cleveland, Ohio, assignor to Sam Moore & Co., Cleveland, Ohio, a corporation of Ohio

Application April 9, 1942, Serial No. 438,234
1 Claim. (Cl. 188—78)



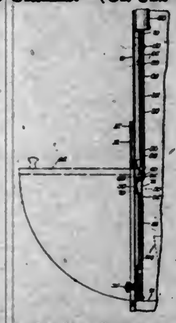
In a brake, a brake drum, a bracket removably secured to said drum adjacent its periphery and having a pair of oppositely extending bifurcated arms, a pivot pin carried by each bifurcated arm and secured against movement relative thereto, a third pivot pin secured to said drum adjacent its periphery diametrically opposite said bracket, a brake mechanism mounted on said pins, said mechanism comprising a pair of brake shoe members, each having a brake facing rigidly secured thereto and having one end thereof disposed in the bifurcation of its respective bracket arm, an operating cam member mounted on said third pin and positioned between the free ends of said shoes, and a spring interconnecting said shoes to retain them in contact with said cam, there being a bushing disposed between each pin and its coacting brake mechanism member, each bushing comprising a yielding sleeve of rubber-like material tightly embraced between inner and outer metallic sleeves, the inner sleeves being in tight non-slipping engagement with said pins and the outer sleeves in tight non-slipping engagement with their respective brake members, said brake mechanism being spaced from said drum in all regions apart from the engagement of said bushings with the drum, whereby all vibrations of said brake mechanism are absorbed by said bushings.

2,355,426

CUP CHAMBER DOOR ASSEMBLY FOR BEVERAGE VENDING MACHINES

Leo W. Doggett, Chicago, Ill., assignor to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware

Application December 13, 1940, Serial No. 369,975
5 Claims. (Cl. 312—189)



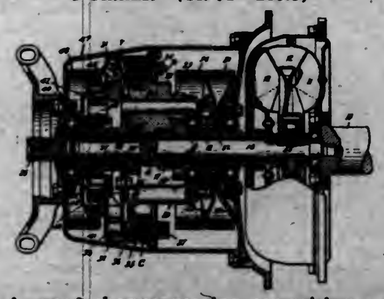
2. A closure device for an opening in a wall comprising, a closure member, means for mounting said closure member for longitudinal sliding movement only, said means comprising means operable when said closure member is in open position for altering said first means to thereby permit swinging movement of said closure member.

2,355,427

FIVE-SPEED TRANSMISSION

William A. Duffield, Windsor, Ontario, Canada, assignor to Windfields, Limited, Montreal, Quebec, Canada, a corporation of Canada

Application March 24, 1943, Serial No. 480,270
8 Claims. (Cl. 74—189.5)



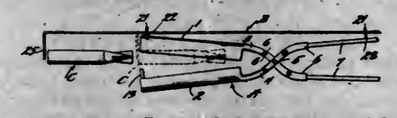
1. A speed change gearing comprising a first sun gear, means for rotating said gear, a second larger sun gear coaxial with the first gear, means for rotating said second gear, a third gear larger than said sun gears and coaxial therewith, an output shaft coaxial with said gears, a driving connection between the third gear and the output shaft, a fourth gear coaxial with and larger than said three gears, means by which said fourth gear may be selectively held against rotation, a planetary gear unit comprising four portions simultaneously meshing respectively with said four coaxial gears, a carrier for said planetary gear unit coaxial with said four gears, means for selectively blocking or permitting reverse rotation of said carrier but permitting forward rotation thereof, a gear carried by said carrier and coaxial therewith, a planetary gear carried by the output shaft and meshing with said coaxial gear carried by the carrier, an orbit gear meshing with said last-mentioned planetary gear, means by which said orbit gear may be selectively held against rotation or released, and means for selectively coupling the third gear and the carrier of the unit planetary gear for unit rotation about the axis of the sun gears.

2,355,428

INCENDIARY BOMB SNUFFER AND CARRIER

Eva W. Dunbar and Daniel E. Dunbar, Jr., Atlanta, Ga.

Application February 24, 1942, Serial No. 432,162
3 Claims. (Cl. 169—2)



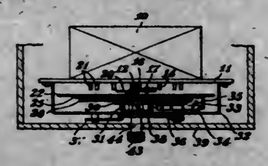
1. A bomb snuffer and carrier comprising a pair of segmental members arranged and constructed to form an enclosure, control means for actuating said members to bomb enclosing and discharging positions, and means for loading the members with said bomb said means including guide means on one of said members, and a rake means having a handle slidably movable in said guide means to direct the bomb within said member.

2,355,429

TIMEPIECE

James Fletcher, Swindon, England

Application February 15, 1943, Serial No. 475,957
In Great Britain March 3, 1942
7 Claims. (Cl. 58—126)



1. In a timepiece for indicating visually successive periods of time and fractions of said periods of time periodically, a main driving shaft, three discs one of which is driven by and in unison with said shaft, and the other two of which are driven intermittently, a lost motion device transmitting from said shaft intermittent rotational movement to one of said intermittently driven discs, a further lost motion device transmitting from said latter disc once each complete rotation thereof a partial rotation representing a unit of time to the other intermittently driven disc, a means additional to said rotation imparting mechanism automatically locating said latter disc in accurate indicating position at the

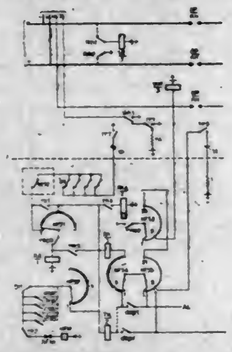
completion of each movement of such latter disc, the arrangement being that the disc driven in unison with said shaft indicates the progress of time between each movement of both of the intermittently driven discs, and one of the intermittently driven discs indicates successively periodically a complete sequence of fractions of said unit of time between each said partial rotation, insignia appropriate to said progress, fractions and units of time being marked on said discs, a face member screening said discs, and openings in said face member to display distinctively the appropriate insignia.

2,355,430
DELINEATED AREA
Walter H. Flood, Chicago, Ill.
Application January 19, 1942, Serial No. 427,289
5 Claims. (Cl. 94—1.5)



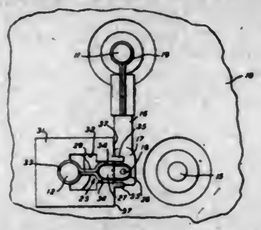
1. A delineated area, comprising a binder layer having adheringly distributed thereon crystalline metallic particles having four or more specular plane faces.

2,355,431
TELEPHONE OR LIKE SYSTEM
Charles Gillings and Lawrence John Murray, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 30, 1942, Serial No. 467,316
In Great Britain January 30, 1942
16 Claims. (Cl. 179—22)



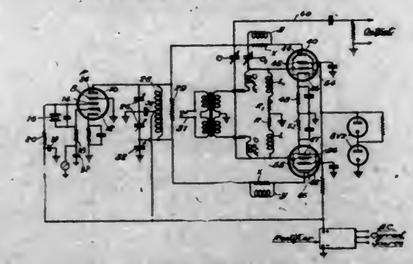
1. In a telephone system, a crossbar switch wherein any contact set in a coordinately arranged field of contact sets may be operated through the temporary operation of one of a plurality of selecting magnets arranged in one of the coordinate directions and, during the period of operation of said selecting magnet, the operation of one of a plurality of holding magnets arranged in another of the coordinate directions, a plurality of subscribers' lines corresponding respectively to said holding magnets, each line being connected in multiple to all contact sets under the control of its corresponding holding magnet, a plurality of link circuits corresponding respectively to said selecting magnets, each link circuit being connected in multiple to all contact sets under the control of its corresponding selecting magnet, equipment common to said lines and also common to said link circuits operated responsive to a calling condition on any line to search for said calling line and for an idle link circuit, said equipment effective, when they are found, to operate the selecting magnet corresponding to said idle link circuit and the holding magnet corresponding to said calling line, said two operated magnets effective conjointly to control one of said contact sets to complete a connection between said calling line and said idle link circuit.

2,355,432
ELECTRON DISCHARGE DEVICE AND THE METHOD OF ASSEMBLY THEREOF
Charles T. Goddard, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 4, 1942, Serial No. 453,514
24 Claims. (Cl. 250—27.5)



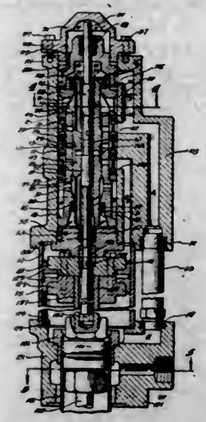
1. The method of assembling an electron discharge device having a vessel of two shell sections, one provided with spaced leads, the method comprising mounting a filament support with a filament receiving portion on its respective lead with the said portion a given distance from the lead for a grid having a grid wire formed arcuately about a center, positioning the grid on its lead, aligning the grid center with the said portion of the filament support, mounting another filament support on its lead with a filament receiving portion thereof disposed in alignment with the said center, securing a filament to the said portions, mounting an anode on its lead, and completing the device by sealing the shells together and evacuating them.

2,355,433
WAVE LENGTH MODULATION CIRCUIT
Hallan E. Goldstine, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 21, 1942, Serial No. 435,654
9 Claims. (Cl. 179—171.5)



1. In a wavelength modulation system, an oscillation generator comprising, a tube having a plurality of electrodes regeneratively coupled in an oscillation generating circuit including a reactance, an electron discharge device having an electrode serving as an anode, a cathode and a control grid, a coupling coupling said reactance to the electrode of said device serving as an anode and a coupling coupling the cathode of said device to said reactance, the space between said last two mentioned electrodes being effectively in shunt to at least part of said reactance, a network for impressing voltages from said generating circuit on said control grid which are substantially in phase quadrature relative to the voltages on the anode of said device, means for modulating the impedance of said device in accordance with signals, and means for preventing generation of oscillations at parasitic frequencies in said device including an inductance of high impedance to high frequency oscillations and a loading resistance in one of the couplings between the reactance and the electrodes of said device, said inductance being of low impedance to oscillations of the frequency generated by said first tube.

2,355,434
HYDRAULIC OPERATOR
Robert L. Harter, Cleveland, Ohio, assignor to Traben Engineering Corporation, Cleveland, Ohio
Application April 4, 1941, Serial No. 386,819
8 Claims. (Cl. 121—157)



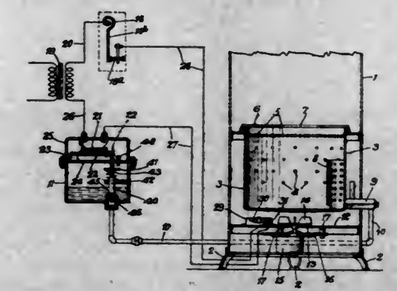
2. A flow-reversing valve mechanism comprising a housing having a cylindrical chamber and a central inlet passage and side outlet passages communicating therewith, an open ended, hollow valve slidably engaging the inner walls of said chamber, said valve having an opening connecting its central interior portion with said inlet passage at all times, and longitudinal passages connecting each end of the valve with said central interior portion and exhaust passages through the valve side wall between the ends of the valve and the inlet ends of said longitudinal passages, said valve having an exterior, annular groove of sufficient axial length to connect said inlet passage with one or the other of said outlet passages, a valve rod having sealing heads slidably engaging the inner surface of said valve, each head being of sufficient axial length to close the inlet of either the adjacent longitudinal passage or exhaust passage, the space between said heads being of sufficient axial length to connect the said inlet passage with either of said longitudinal passages, the assembly of the said housing, valve and rod defining fluid retaining chambers at each end of the valve, the said rod being movable axially toward one of said chambers while the exhaust passage therefrom is open.

2,355,435
THREAD SPOOL
Beatrice M. Harvey and Henry B. Harvey, Brookline, Pa.
Application February 23, 1944, Serial No. 523,598
7 Claims. (Cl. 242—118)



1. A thread spool having a needle-receiving insert therein of penetrable material, said insert being seated in a recess at the end of the spool and being formed hollow in line with the normal opening through the spool, the spool having an over-hanging part to secure the insert against escape from the end of the spool.

2,355,436
THERMALLY RESPONSIVE CONTROL SWITCH FOR LIQUID FUEL LINES
Bruce Hayter, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application March 13, 1941, Serial No. 383,119
1 Claim. (Cl. 158—28)

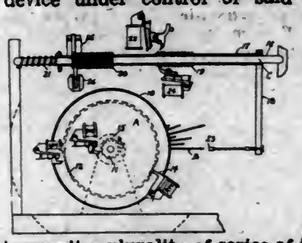


In combination, a pot type burner, a fuel line therefor, a valve controlling the fuel line, electrically actuated means for controlling the valve, a circuit including said means and adapted when energized to open the valve, the burner including a pot, an air chamber and a fan, a thermostatically actuated switch in the air chamber exposed to the flow of air from the fan, contacts associated with said switch adapted to close the circuit when the thermostatically actuated switch is in a cold condition and to open the circuit when the switch is heated said thermostatically actuated switch being subjected directly to the heat of the pot.

2,355,437
REGISTER TRANSLATOR OR LIKE DEVICE
Dennis Leonard Heptinstall, Bristol, England
Application May 29, 1941, Serial No. 395,707
In Great Britain June 19, 1940
12 Claims. (Cl. 179—18)

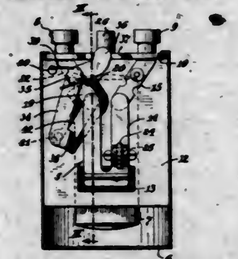
1. In a register sender, a plurality of series of mechanical devices, each series preset in accordance with a plurality of digits, means responsive to received impulses and operated thereby to select a particular one of said series, a transmit-

ting device, and means for operating said transmitting device under control of said selected



series to transmit a plurality of series of impulses corresponding to the digits for which the preselected series of devices is preset.

2,355,438
FLUORESCENT LAMP STARTER
Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application February 14, 1942, Serial No. 430,887
10 Claims. (Cl. 200—122)



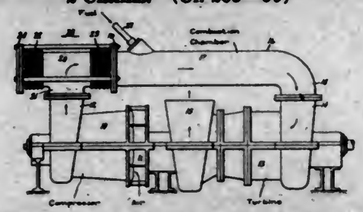
1. A relay for starting an electric discharge lamp comprising a base, heat-responsive means carried by said base, an electric heater disposed in heat transfer relation to said heat-responsive means for causing deflection of the latter upon the accumulation of heat therein, circuit controlling means operable to open and close in response to deflection of said heat-responsive means due to heating and cooling thereof, and means automatically movable into a position to prevent circuit closing operation of said circuit controlling means only upon the application of a potential to said electric heater for a predetermined period of time.

2,355,439
RIVET
Kenneth W. Horton, De Freestville, and Charles H. Andros, Nassau, N. Y.
Application June 22, 1943, Serial No. 491,844
7 Claims. (Cl. 85—40)



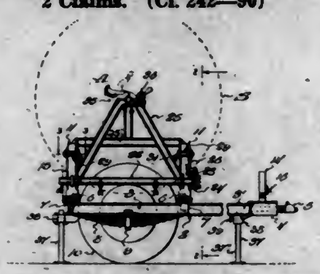
4. A rivet comprising a hollow cylindrical body open at each end and having a portion intermediate the ends extending outwardly from said body and forming an annular head for said rivet; the wall of said body between the head and one end of said rivet being a continuous cylinder throughout and of a length and thickness adapting it to be spun inwardly to form a substantially complete closure for said body at said one end.

2,355,440
PIPING ARRANGEMENT
Alan Howard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 21, 1942, Serial No. 455,665
2 Claims. (Cl. 285—90)



1. The combination of a T-connector having a leg and a top communicating with the leg, two bellows connected to opposite ends of the top, an end plate closing the free end of one bellows, and a plurality of circumferentially spaced rods each having an end rigidly secured to said end plate and another end secured to the free end of the other bellows to maintain the total length of the top and the two bellows substantially constant.

2,355,441
COMBINATION TRAILER
Thomas H. Jacob, Wausau, Wis.
Application May 8, 1941, Serial No. 392,402
2 Claims. (Cl. 242—90)



1. A truck having side beams transversely disposed bunks connecting the beams, foldable spaced uprights in pivotal union with the bunks, a removable skeleton frame the same embodying companion pairs of side supports comprising legs in nested engagement with the uprights, eccentrics in pivotal union with the legs near the upper ends of said uprights for encasing and manually gripping said uprights, diverging standards secured to the legs near their lower ends, blocks connecting the upper ends, a removable spool secured to the blocks whereby the side elements of the frame are braced transversely and a horizontal brace connecting the upper ends of the legs and diverging standards.

2,355,442
PROCESS FOR PRODUCING AMINO ALCOHOL ESTERS
David W. Jayne, Jr., Old Greenwich, and Harold M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 10, 1941, Serial No. 422,404
4 Claims. (Cl. 260—404)

1. A method of producing esters of higher fatty acids and alkylol amine hydrohalides of the group

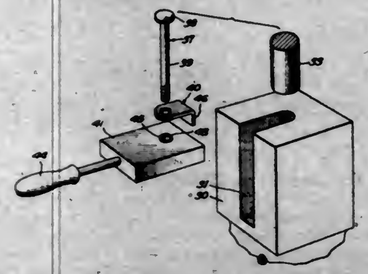
consisting of alkiol amine hydrohalides containing a primary amino group and alkylol amine hydrohalides containing a secondary amino group which method comprises reacting a higher fatty acid halide with an alkylol amine hydrohalide selected from the group consisting of alkylol amine hydrohalides containing a primary amino group and alkylol amine hydrohalides containing a secondary amino group at temperatures of from about 70–100° C. in the presence of a catalyst comprising an aromatic sulfonic acid.

2,355,443
METHOD OF SEALING SPARK PLUG ELECTRODES IN CERAMIC INSULATORS
Joseph A. Jeffery, Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware
Application February 23, 1942, Serial No. 432,024
5 Claims. (Cl. 18—59)



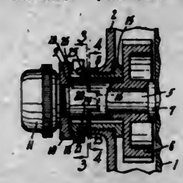
1. The method of sealing an electrode in the bore of a ceramic insulator for a spark plug and wherein the electrode is smaller in diameter than the bore of the green insulator, which consists in initially firing the green insulator to an extent slightly short of maturity to shrink the bore a predetermined extent so that the electrode has a sliding fit therein, then positioning the electrode in the bore, and giving the insulator a final fire to maturity to shrink the bore of the insulator into intimate and sealing contact with the electrode therein.

2,355,444
WELDING APPARATUS
William J. Kenny, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 7, 1942, Serial No. 464,855
4 Claims. (Cl. 219—4)



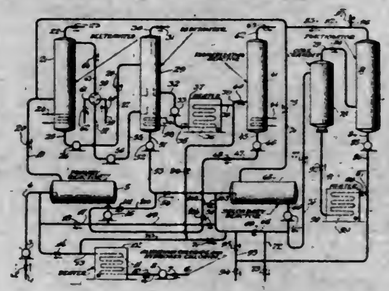
3. In a welding apparatus having relatively movable electrodes, a combined work holder and electrode extension comprising an apertured block of conducting material adapted to support parts to be welded and insertable between said electrodes, a portion of one of the parts to be welded being entered in and extending from the aperture, one of the electrodes having a slot for laterally receiving said portion of the part and a handle secured to said block.

2,355,445
FISHING REEL
Herman F. Khoenle, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio
Application June 28, 1941, Serial No. 400,215
14 Claims. (Cl. 242—84.5)



1. In a fishing reel comprising an end plate and a gear casing thereon, a post on the end plate, a driving gear rotatable upon the post and a ring-shaped bearing member having screw-threaded engagement with the gear casing and adjustable toward and from the face of the gear.

2,355,446
ALUMINUM CHLORIDE TREATMENT OF HYDROCARBON OILS
Vasili I. Komarewsky and Lev A. Mekler, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 12, 1940, Serial No. 356,458
6 Claims. (Cl. 260—683.5)

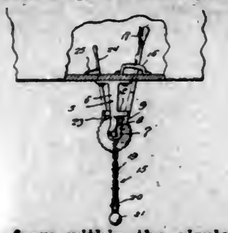


5. A conversion process which comprises subjecting hydrocarbon oil to the action of aluminum chloride under isobutane-producing conditions, separating vapors and liquid, subjecting the liquid to the further action of aluminum chloride under gasoline-forming conditions, commingling vaporous products of the last-mentioned step with said vapors, fractionating the resultant mixture to separate therefrom a fraction containing isobutane and a condensate containing gasoline fractions, and subjecting said condensate to isomerization in the presence of additional aluminum chloride.

2,355,447
AIRCRAFT DESTROYER
Dimitri K. Kosich, Hales Corners, Wis.
Application March 1, 1943, Serial No. 477,577
1 Claim. (Cl. 89—1)

In combination with an airplane, a hanger secured to said airplane and including spaced depending members and bearings on the lower extremities thereof, said bearings being of hook shape and pivotally connected to the extremities of the depending members, dogs engaging and normally restraining the bearings against pivotal movement on the depending members, an entangling net including a bar having the

net secured thereto and wound thereon and journaled in the bearings and releasable therefrom on the release of the dogs from engagement with said bearings, a manually operated means for sustaining the bar against rotation



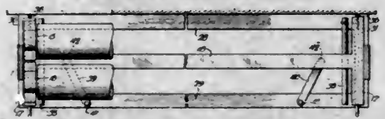
and operable from within the airplane, a shaft journaled on the depending members and having one of the dogs secured thereto, and a hand operated means secured to said shaft and having the other dog formed thereon and extending into the airplane for manual actuation.

2,355,448

BAND LEVELING APPARATUS

Edouard M. Kratz, Gary, Ind., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York

Application November 12, 1941, Serial No. 418,763
5 Claims. (Cl. 198—184)



1. In sheet forming apparatus embodying a driven, elongated, endless, metal conveyor band having a substantial portion of its length suspended, the length of the band being such that said suspended portion is under substantial tension as an incident to the weight of the band, said band being employed to carry a coating of liquid applied to the longitudinally extending central area but not to the marginal side areas of the band, through an oven for converting the coating into a sheet, said band being thereby unequally effected in said central and marginal areas by the oven temperature whereby expansion or contraction of the band occurs in different degrees in said central and marginal areas of the band, and whereby the band, in time, becomes permanently distorted with a transverse curl sufficient to severely impair the utility of the band for said purpose, means for leveling the band comprising band-flexing roll means disposed so as to act on said suspended portion of the band when driven to effect stretching of any portion thereof which is under higher tension than another portion, thereby to equalize the length of such portions, and means for supporting said roll means for movement in an axial direction, whereby said roll means is capable of following sidewise shifting of the belt.

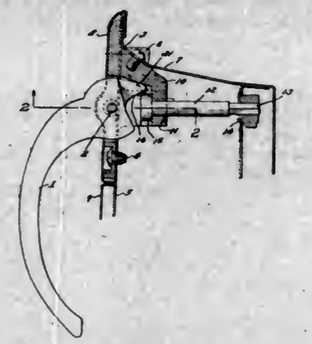
2,355,449

OUTSIDE DOOR HANDLE ASSEMBLY

John W. Lakin, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application February 27, 1942, Serial No. 432,591
2 Claims. (Cl. 292—356)

1. A unit handle assembly for a pull-to handle of a door lock, having in combination a supporting member which can be mounted in the door, said supporting member having an enlarged recessed portion and a smaller bearing portion having an opening therein, the latter at the inner end of the supporting member, a spindle passed into the bearing opening through the enlarged recess, said spindle provided with a crank arm which remains in the recess and provided at the inner end with a non-circular portion ar-



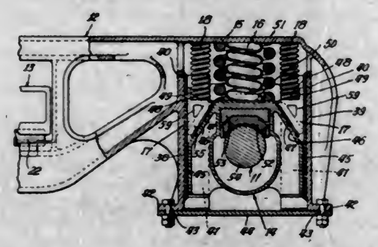
ranged to fit into the rollback of the lock and a hand lever of the pull-to type pivoted to swing on a pin passing transversely across the recess of the supporting member near the outer end thereof, said hand lever provided with a load arm arranged to contact with the crank arm of the spindle and to convert the rotary motion of the hand lever in one plane into rotary motion of the spindle in a plane at right angles to the first mentioned plane.

2,355,450

CAR TRUCK

Charles P. Leese, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey

Application February 14, 1942, Serial No. 430,889
3 Claims. (Cl. 105—224)



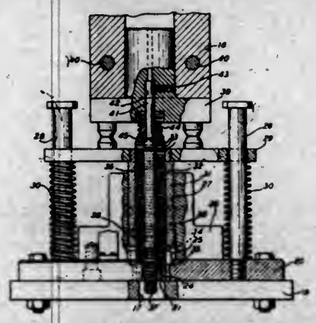
1. Car truck comprising: side frames having guide members at opposite ends thereof; means for supporting a car body on said side frames with capacity for lateral movement in respect thereto; journal boxes slidable in said guide members; load carrying springs interposed between and engaging the journal boxes and side frames; stabilizing devices for said load carrying springs comprising a pair of wedges interposed between each journal box and adjacent portions of the side frame and springs bearing on said wedges respectively; and said side frames and wedges being formed with aligned openings adapted to receive rods to hold the wedges and stabilizing springs in position when the journal boxes are removed.

2,355,451

MATERIAL WORKING TOOL

Oscar P. Lindberg, Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 13, 1941, Serial No. 383,085
4 Claims. (Cl. 90—33)



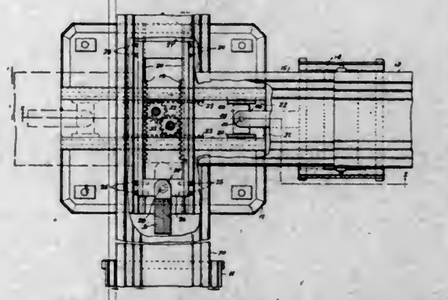
1. In an apparatus for broaching perforated work pieces, a press having a bed and a ram reciprocable toward and from the same, in combination with a base member stationarily supported on the bed, a block resiliently supported on the base member to be driven by the ram and formed with a bore in axial alignment with the ram to contain and support a stack of perforated work pieces in alignment and a broaching tool to be driven by the ram differentially with respect to the block and supported and guided wholly and solely by the walls of the aligned perforations of the stack of work pieces.

2,355,452

SHAKER CONVEYER

Hermann Linkowski, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application May 16, 1942, Serial No. 443,228
5 Claims. (Cl. 198—220)



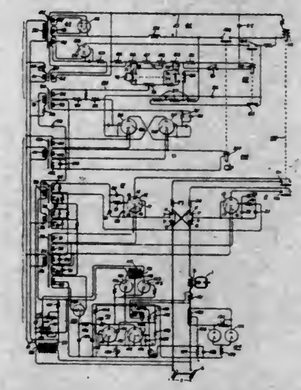
2. In a shaker conveyer angle drive, a driving trough section, a driven trough section arranged at a horizontal angle with respect to said driving trough, and means for driving said driven trough section from said driving trough section including a pair of racks reciprocably driven by one trough section, another pair of racks having connection with said other trough section, and a pair of meshing gears oscillatively driven by said first mentioned racks and forming a reciprocable drive means for said second mentioned racks.

2,355,453

ELECTRIC VALVE CIRCUIT

Orrin W. Livingston, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application December 18, 1941, Serial No. 423,522
12 Claims. (Cl. 171—119)



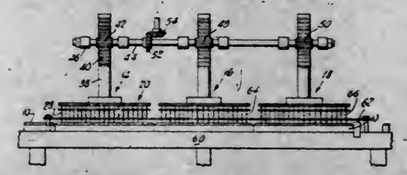
1. In combination, an alternating current supply circuit, a load circuit, electric translating apparatus connected between said circuits and comprising electric valve means having a control member for effecting energization of said load circuit for a predetermined number of half cycles of voltage of said supply circuit, excitation means for impressing on said control member a voltage which is variable in phase with respect to the voltage of said supply circuit, said excitation means comprising a phase shifting circuit including an electric discharge device having a grid, means responsive to the current transmitted between said supply circuit and said load circuit for varying the potential of said grid to maintain said current substantially constant, and means responsive to said current for controlling said discharge device and for limiting the phase displacement of said variable phase voltage with respect to the voltage of said supply circuit.

2,355,454

METHOD AND APPARATUS FOR THE PRODUCTION OF SOUND-ABSORBING MATERIALS

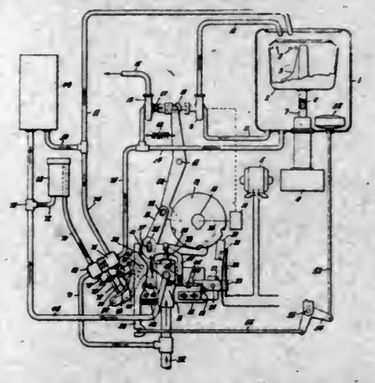
William I. Lucius, Bronxville, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application April 13, 1943, Serial No. 482,878
6 Claims. (Cl. 164—125)



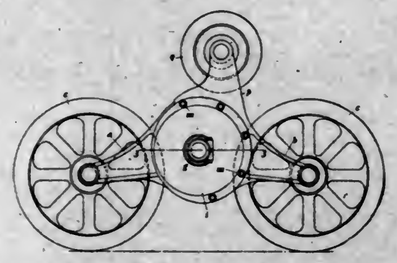
1. A method of improving the sound-absorbing characteristics of a fibrous sheet material comprising forming at spaced points in the sheet a multiplicity of elongated openings extending inwardly from a face thereof by penetrating said sheet at each of said points with a plurality of punches of successively increasing diameters.

2,355,455
WASHING MACHINE
Richard C. McPhilomy, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 23, 1941, Serial No. 394,901
9 Claims. (Cl. 68—12)



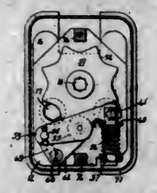
1. In a washing machine of the type having a casing and a rotatable receptacle for receiving clothes to be washed and centrifugally dried, said receptacle being constructed to hold liquid during washing and to overflow to the casing, a water softener, a salt box, a water supply conduit leading through the water softener to the receptacle, an alternative water supply conduit leading through the salt box and the water softener to the casing, means responsive to the water level in the casing for shutting off said water supply conduits, a pump for withdrawing water from the casing, and a control for selectively opening the water supply conduits, said control causing the pump to run upon opening the conduit through the salt box.

2,355,456
RESILIENT MOUNTING
Colin Macbeth, Birmingham, England, assignor of one-half to Vivian Graham Loyd, Camberley, England
Application September 21, 1942, Serial No. 459,122
In Great Britain September 5, 1941
4 Claims. (Cl. 267—21)



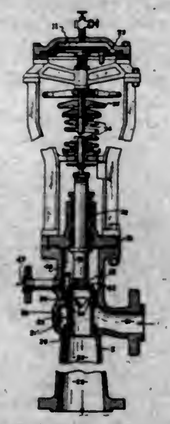
1. A resilient mounting comprising a supporting pivot pin, a pair of arms relatively and independently movable about said pin, spaced plates arranged about said pin and having internal and external edges, a resilient disc facially bonded with said plates, means connecting the external edge of one of said plates to one of said arms, and means connecting the internal edge of the other plate with the other arm.

2,355,457
MECHANISM FOR ELECTRIC SWITCHES
Virgil L. Mares, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application February 4, 1943, Serial No. 474,633
8 Claims. (Cl. 74—97)



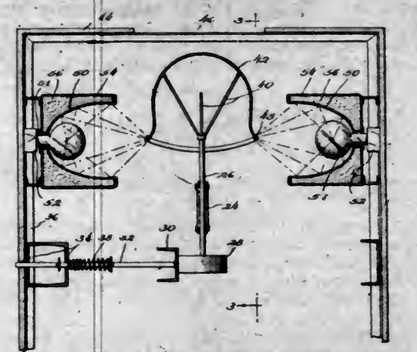
1. Means for locating and maintaining a member movable to a plurality of positions in each of said positions comprising an element provided with an indented surface and mounted to partake of the movement of said member, a roller, and means mounting said roller for engagement with said indented surface including a support for said roller and a mounting for said support comprising an arm mounted for movement about an axis substantially in line with the centering axis of said roller, means for angularly varying the position of said arm, and means biasing said support in a direction to cause said roller to engage said indented surface under a force whose magnitude is dependent on the position of said arm.

2,355,458
DESUPERHEATING VALVE
Henry J. Mastenbrook, Cleveland, Ohio, assignor to The Swartwout Company, Cleveland, Ohio, a corporation of Ohio
Application September 6, 1941, Serial No. 409,853
12 Claims. (Cl. 122—479)



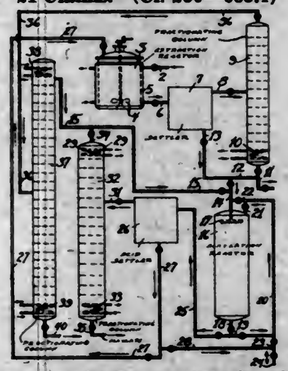
1. A desuperheating valve having a steam inlet, a steam outlet, a water inlet, and a movable valve closure member having ports disposed to control the flow of steam from said steam inlet to said steam outlet, said closure member having passages therein distinct from said ports communicating with the steam outlet side thereof and with the said water inlet, said closure member constraining the flow of steam to change its direction abruptly and turbulently where water is introduced thereinto.

2,355,459
APPARATUS FOR DRYING HELMETS AND THE LIKE
William J. Miskella, Cleveland, Ohio
Application September 29, 1942, Serial No. 460,096
1 Claim. (Cl. 34—105)



An army helmet pretreater comprising means for conveying army helmets in endless succession through a treatment zone, means for rotating said helmets while within said zone, a battery of infra-red lamps located within said zone in a position adjacent to said helmet rims, and reflecting means to concentrate the radiant energy from said lamps upon the rims of said helmets passing through said zone.

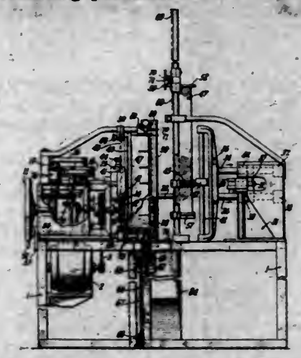
2,355,460
TWO-STAGE ALKYLATION PROCESS
Charles E. Morrell, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 28, 1939, Serial No. 311,270
21 Claims. (Cl. 260—683.4)



10. A process which comprises forming an extract of normal monoolefin in 90–100% sulfuric acid, containing a mixture containing substantial amounts of the corresponding iso-monoolefin with said extract to absorb the iso-monoolefin therein, and alkylating isoparaffin with said resulting extract under alkylation reaction conditions.

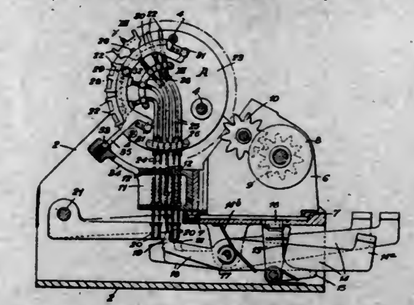
2,355,461
CELL ASSEMBLING PROCESS AND APPARATUS
Charles R. Nichols, Jr., Jersey City, N. J.
Application August 1, 1941, Serial No. 405,090
21 Claims. (Cl. 93—37)

1. A method of forming partition cells which comprises feeding partition blanks into predetermined positions in each of two stationary feeding magazines, and forcing a plurality of said blanks from each of the two magazines simultaneously into assembling position.



7. In an apparatus for assembling preformed partition blanks to provide a cell structure, the combination of means for simultaneously ejecting a predetermined plurality of said blanks from a single magazine into an assembling zone and oppositely disposed means for simultaneously ejecting a predetermined plurality of blanks from a single magazine into the assembling zone.

2,355,462
CALCULATING MACHINE
Robert Severin Nilsson, London, England
Application November 4, 1942, Serial No. 464,469
In Great Britain March 17, 1941
1 Claim. (Cl. 235—79)



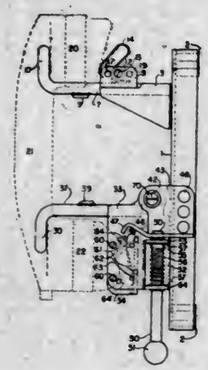
In a calculating machine, a plurality of rotatable actuating wheels, a plurality of tooth units mounted on each wheel for projection and retraction radially to operative and inoperative positions, respectively, relative thereto, sheaths individual to said tooth units secured to said wheels, a flexible wire extending through each sheath and connected at one end to the related tooth unit for projecting the same to its operative position, yieldable means tending constantly to retract said tooth units, a carriage, said carriage and said wheels being longitudinally movable relative to each other, key actuated studs carried by said carriage to press against the other ends of selected ones of said wires to shift them longitudinally in their sheaths to selectively project said tooth units to their operative positions, a latch element individual to each wheel and common to all of the tooth units carried thereby to hold any projected tooth unit in projected position, an accumulator mechanism operable by projected ones of said tooth units in response to rotation

of said wheels, and means operable by longitudinal movement of said carriage and said wheels relative to each other to release said latch elements to permit return of projected ones of said tooth units to their normal retracted positions.

2,355,463
PROCESS FOR MAKING SOLUBLE STARCH
Walter A. Nivling, Newton, Mass.; Lyman E. Nivling and Owen C. Nivling, administrators of said Walter A. Nivling, deceased
No Drawing. Application May 19, 1941, Serial No. 394,096
12 Claims. (Cl. 127—33)

1. In a method for making an oxidized starch conversion product, the steps which comprise treating a mass of starchy material to coat constituent particles thereof with a water immiscible retardant to oxidation, then adding to said material an oxidizing agent in the form of an aqueous liquid, said water immiscible coating initially inhibiting reaction of said oxidizing agent with the starch, and removing said coating to expose the starch to the action of the oxidizing agent.

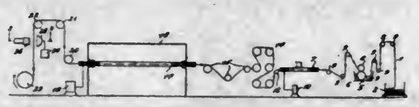
2,355,464
HANDSET TELEPHONE MOUNTING
Herbert F. Obergfell, River Forest, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 27, 1942, Serial No. 448,810
17 Claims. (Cl. 179—146)



10. A mounting for handset telephones including a handle, a receiver at one end of said handle, and a transmitter at the other end of said handle, comprising a pair of retaining means for engaging both the rear and front surfaces of the receiver and transmitter portions of the handset to maintain the handset in place, and means for pivotally mounting one of said retaining means to permit removal and replacement of said handset.

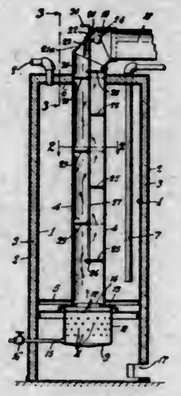
2,355,465
DEVICE TO DETECT SKEW IN FABRICS
William C. Oberkirk, Bronx, N. Y., assignor to United Merchants & Manufacturers, Inc., Wilmington, Del., a corporation of Delaware
Application October 2, 1943. Serial No. 504,697
3 Claims. (Cl. 26—51)

1. In conjunction with apparatus for finishing woven fabrics including a tenter frame and means to continuously pass the fabric in sheet form from the tenter frame to a place of disposal at a predetermined linear speed, a pair of stroboscopic lamps arranged on one side of said cloth, each of said lamps being adjacent an edge of said fabric; means to vary the frequency of the light flashes from said lamp in accordance with the speed of movement of said fabric, said lamps being adapted to direct a series of light flashes of controllable frequency transversely of said fabric and through the interstices of the strands thereof; a



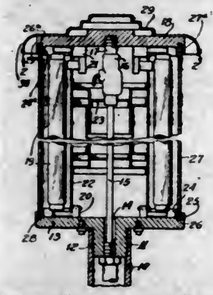
tube having an axis substantially parallel to the plane of said fabric and positioned on the other side of said fabric and in adjacent spaced relation thereto; said tube having projection lens means at each end thereof opposite said lamps, image viewing means intermediate the ends and means to direct the projected pair of images of the warp and weft strands of the opposite edge portions of said fabric and to group said pair of images so that they are visible to the eye of an observer in closely juxtaposed position at the viewing means.

2,355,466
BURNER OBSERVATION MEANS FOR HEATERS
Stanley Perry, Chicago, Ill., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application January 18, 1941, Serial No. 375,082
12 Claims. (Cl. 126—361)



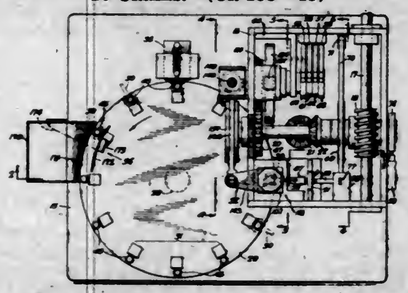
1. In combination, in a heater, a tank having a generally central vertical passage therein extending substantially from top to bottom thereof, a burner located adjacent a lower portion of said tank and having an open top aligned with and in communication with said central passage, a flue in communication with an upper portion of said passage, said flue extending outwardly therefrom, an observation passage in line with said central passage and said burner, and adapted to permit an observer to inspect combustion conditions in said burner through said central passage, movable baffle means located in said central passage, and means for moving it out of alignment with said observation passage and burner.

2,355,467
WATERPROOF FIXTURE FOR FLUORESCENT LAMPS
Leo Ralph Proulx, Los Angeles, Calif., assignor of one-half to Henry Boerstin, Santa Monica, Calif.
Refiled for abandoned application Serial No. 369,959, December 13, 1940. This application September 30, 1943, Serial No. 504,429
1 Claim. (Cl. 240—11.4)



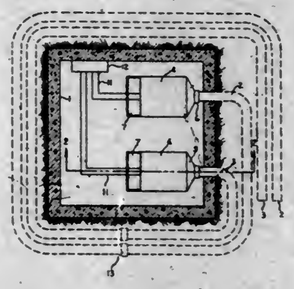
A fixture, as described, comprising a plate member having peripheral flanged portions forming a groove, a tubular member having one end seated in said groove and having a sealed engagement therewith, a tubular member of smaller diameter than said first tubular member and mounted thereon, a cover member on said second tubular member having an eave portion and a plate portion having a plurality of apertures, said first tubular member having a plurality of flanged apertures, a plurality of transparent tubular members each having one end secured to the flange of one of said flanged apertures and the other end extending through one of the apertures of said plate portion, for enclosing a fluorescent tube.

2,355,468
ADJUSTING APPARATUS
Donald T. Robb, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 16, 1942, Serial No. 461,624
10 Claims. (Cl. 153—48)



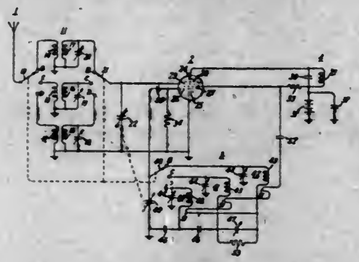
1. An article adjusting apparatus comprising means for repeatedly testing the article to determine the quality thereof, means for making progressive adjustments in the article to impart said quality to it including means normally held in position to engage and adjust the article, and a solenoid responsive to said testing means and operable to remove the means normally engaging the article from contact with the article for interrupting the operation of the means for making progressive adjustments in the article when the article has said quality.

2,355,469
FRESH-AIR TEMPERING MEANS FOR BUILDING UNITS
Edward D. Robertson, Helena, Ark.
Application July 27, 1943, Serial No. 496,341
7 Claims. (Cl. 257—121)



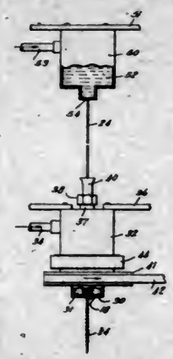
1. An air tempering system comprising a plurality of air conduits buried underground to a depth where a uniform temperature is maintained, each conduit having an atmospheric air inlet at one end and the other end terminating in a housing unit, and means alternatively operative to positively feed the air through only one of said conduits at a time.

2,355,470
MULTIBAND RECEIVER CIRCUIT
Charles S. Root, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 11, 1943, Serial No. 471,965
5 Claims. (Cl. 250—40)



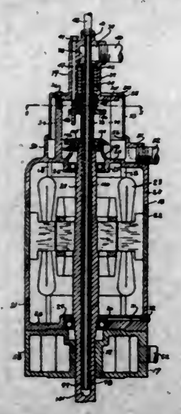
1. The combination, in a local oscillator for a multi-band superheterodyne receiver, of an electron discharge device having an anode, a cathode, and a control electrode, a plurality of oscillatory circuits each including a stationary switch contact connected through an inductance and a capacitance to said cathode, and a single movable contact cooperating with said stationary contacts and connected to said control electrode and through a common tuning condenser having a movable tuning element to said cathode, said oscillatory circuits being tunable over different ranges by said tuning condenser, said capacitances being proportioned to produce desired rates of change of tuning through said range with variation of said movable element, said capacitances all being connected in series in the lower frequency of said circuits and between said anode and cathode to provide regeneration of said local oscillator.

2,355,471
MAKING COVERED THREADS
Aaron Rosenstein, New York, and Harry Dolan, Brooklyn, N. Y., assignors to Rosenstein Bros., New York, N. Y., a firm
Application September 10, 1942, Serial No. 457,843
3 Claims. (Cl. 18—8)



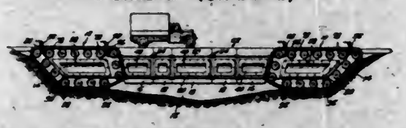
3. An apparatus for producing an elastic yarn having an inelastic cover, said apparatus comprising, in combination, means having an extrusion opening for continuously extruding an elastic core thread from a solution, other means having an extrusion opening for substantially simultaneously continuously extruding a non-elastic thread from a solution, means for continuously moving the elastic thread as extruded in the general direction of its length and in a path past the extrusion point of the non-elastic thread, and means continuously moving the non-elastic thread while in a plastic and sticky state in a path of revolution about the elastic thread while the latter is still in a sticky state to wind the non-elastic thread about the elastic thread and to cause their adherence together.

2,355,472
MOTOR
Edward J. Ruthman, Cincinnati, Ohio
Application October 4, 1940, Serial No. 359,762
7 Claims. (Cl. 172—36)



1. In a mechanism of the class described the combination of an electric motor, a shaft centrally thereof, bearings for the shaft, means for circulating a cooling medium centrally of said shaft to maintain the motor and shaft bearings in a cool state, comprising a bore centrally of the shaft, and a tube centrally of the bore, thereby providing reverse travel of a cooling medium relative to the shaft bore, means for packing the shaft against flow exteriorly thereof, means on said shaft for intercepting any leakage past the packing and to discharge same away from the shaft, and a water jacket around the shaft below the motor.

2,355,473
MILITARY VEHICLE AND BRIDGE
John O. Savage, New York, N. Y.
Application May 19, 1943, Serial No. 487,655
4 Claims. (Cl. 14—1)



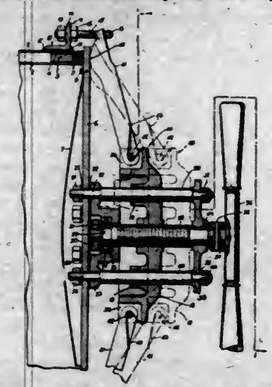
1. A bridge device of the type described comprising two self-propelled vehicles, bridge bodies arranged between the vehicles with their ends in contact with each other and with the ends of the vehicles, the vehicles and bridge bodies having flat upper sides, and means connecting the bridge bodies together and to the vehicles to maintain the upper sides of the vehicles and bridge bodies in a common plane.

2,355,474
REPAIR OF VITREOUS ENAMELWARE EQUIPMENT
Spencer Walsh Shepard, Warren Township, Somerset County, and John Stanley Magielnicki, South River, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 9, 1943, Serial No. 482,508
3 Claims. (Cl. 117—2)

1. A method of repairing breaks in the vitreous lining of steel equipment lined with vitreous material, which comprises producing a clean roughened surface extending through to the metal by abrasive blasting and applying a coating of precious metal by means of a metallizing gun.

2,355,475
CLOSURE MECHANISM
Hans George Skaller, Flushing, N. Y., assignor to The Hospital Supply Company, New York, N. Y., a copartnership composed of Leon L. Watters and William G. Watters
Application November 2, 1942, Serial No. 464,311
2 Claims. (Cl. 220—57)

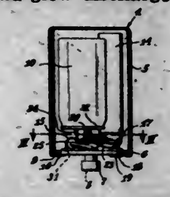
1. A casing which has an opening, a peripheral member located external to said casing and fixed to the outer wall of said casing, a door shaped to close said opening, hinge-members turnably connected to each other and fixed respectively to said peripheral member and to the outer face of said door, a first bearing member which is external to said door, a sealing gasket abutting the outer face of said door and also abutting the respective adjacent face of said first bearing member, guide rods which have extensions which extend through respective alined bores of said door and of said first bearing member and of said gasket, said guide rods having clamping shoulders which abut said first bearing member, fastening members located on said extensions inwardly of said door and clamping said shoulders of said guide rods against said first bearing member and clamping said gasket between the outer face of said door and said respective adjacent face of said first bearing member, a one-piece slide which has bores through which said guide rods extend, said slide being located between said first bearing member and a second bearing member, said second bearing member being fixed to said guide rods, said bearing members and said slide having respective aligned openings in which a shaft is turnably located, said shaft being turnably connected to said first bearing member, said shaft and the respective bore of said slide having corresponding threadings so that the turning of said shaft actuates said slide slidably on said guide rods



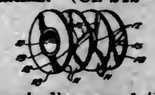
towards or away from said door, said slide having respective pairs of pivot lugs, locking rods, each locking rod having one end-portion thereof located between and turnably connected to a respective pair of pivot lugs, spring means biasing the respective free end-portions of said respective locking rods to contact with the outer face of said door, hook members fixed to said peripheral member, the free end-portion of each rod being located to enter a respective hook member when said slide is moved slidably on said guide rods in a direction towards said door, said free end-portions of said locking rods being tapered to force said door to closing position when said free end-portions enter said respective hook-members, said slide being slidable in a direction away from said door until said free end-portions clear said hook-members.

2,355,476
FLUORESCENT LAMP STARTER
Roy M. Smith, Fairfield, and John R. Steegstra, Bridgeport, Conn., assignors to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application June 24, 1942, Serial No. 448,240
8 Claims. (Cl. 315—100)

1. In combination, a gaseous electric discharge lamp containing a thermionic cathode and a cooperating electrode, and a starting and operating circuit therefor comprising an inductance, means connecting one end of said thermionic cathode and said cooperating electrode across the terminals of a current source in series with said inductance, and a relay device connected across the opposite end of said thermionic cathode and to said electrode for initiating a discharge in said lamp and for locking out said lamp in the event the same becomes defective comprising a glow discharge device operable to initiate a discharge in said lamp, a relay including actuating means included in series with said glow discharge device and a pair of normally closed contacts for completing a circuit to said actuating means and to said glow discharge device and operable by said actuating means only upon continued operation of said glow discharge device for a predetermined period of time to cause opening of said contacts, means normally connected in a shunt circuit with said glow discharge device and said actuating means and operable upon opening of said contacts to maintain said contacts in an open position and interrupt the circuit to said glow discharge device when said discharge lamp becomes defective, and said last mentioned means being automatically operable to cause closure of said contacts and restoration of said relay device for normal operation upon replacement of the defective lamp.



2,355,477
FORM FOR WINDINGS AND THE LIKE
William F. Stahl, Evanston, Ill.
Application October 15, 1942, Serial No. 462,075
7 Claims. (Cl. 242—119)

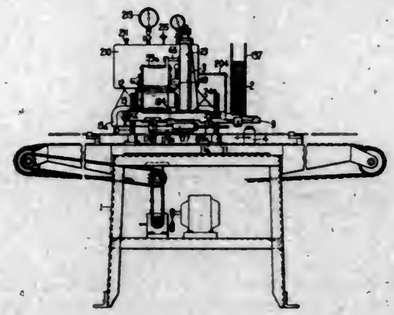


1. A form for windings and the like, comprising a tubular core, a plurality of centrally apertured flanges on said core with the core extending through and fitting snugly within said apertures, a pair of said flanges being disposed at one end of the core, another pair of flanges being disposed at the other end of the core, and the remaining flanges being disposed at intermediate portions of the core, the flange of each of said end pair of flanges adjacent the central longitudinal portion of the core and each of the intermediate flanges being equipped with a slot therein extending from the central portion of the flange to the periphery thereof, and tubular spacing members of internal diameter only slightly greater than the external diameter of said core received on said core, one of said spacing members being adjacent each end of the core and engaging the slotted end flange, the other end of each of said spacing members engaging an intermediate flange, said core having outwardly swaged ends which engage the adjacent flanges and lock the flanges and spacing members in engagement with each other.

2,355,478
APPARATUS FOR SEALING CONTAINERS
Harry E. Stover, Long Island City, N. Y., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Original application August 2, 1940, Serial No. 349,655. Divided and this application June 12, 1941, Serial No. 397,761
2 Claims. (Cl. 226—88.1)

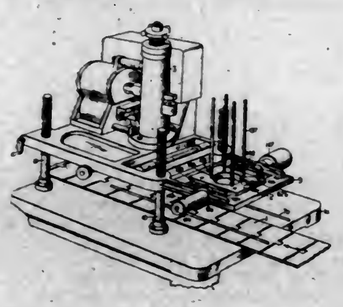
1. In combination with a movable conveyer for supporting a plurality of containers and a unit

adapted to be operated when a container is moved into association therewith, a control system for operating said unit, said control system including a fluid-actuated power unit, a main control valve for controlling the supply of fluid to said power unit, a pilot valve for controlling the supply of fluid to said control valve, and means for moving



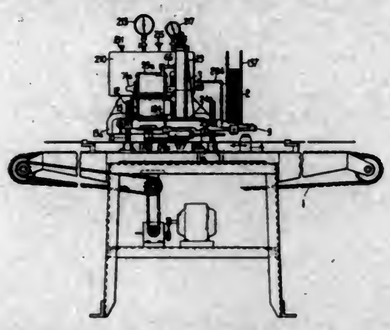
said pilot valve to actuate said main valve, said means comprising a trigger movably mounted, and a stop member spaced therefrom, said trigger and said stop member being associated with the conveyer so that the containers will successively pass therebetween and normally being spaced apart a distance less than the transverse dimension of the containers.

2,355,479
CAP-FEEDING APPARATUS
Harry E. Stover, Connellsville, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application January 23, 1942, Serial No. 427,966
14 Claims. (Cl. 226—88.1)



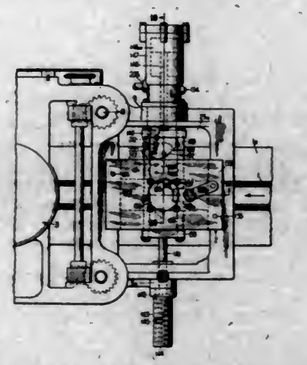
1. In combination a conveyer, a cap-feeding unit associated with the conveyer, said cap-feeding unit comprising a source of supply of caps, movable means for feeding said caps from said source of supply, a fluid-actuated unit for controlling operation of said movable means, a trigger for actuating said unit located at one side of and projecting into the path of movement of containers carried by said conveyer and adapted to be engaged by a container being moved by the conveyer into association with said unit, and means located at the same side of said path and adjacent the trigger for directing a jet of fluid on said trigger to keep it clean of contents of the container which might spill thereon.

2,355,480
APPARATUS FOR SEALING CONTAINERS
Harry E. Stover, Connellsville, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Original application August 2, 1940, Serial No. 349,655, now Patent No. 2,321,779, dated June 15, 1943. Divided and this application October 26, 1942, Serial No. 463,347
8 Claims. (Cl. 226—82)



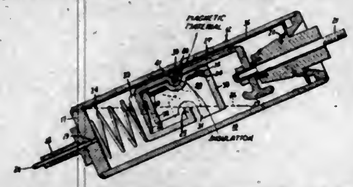
1. Apparatus of the type described for closing and sealing open-mouth containers comprising means for applying a closure loosely on the open mouth of a container, means for lifting the closure from the container, nozzle members for supplying steam for the purpose of displacing air from the upper end of the container while the closure member is spaced therefrom, and heating means associated with said nozzle members for heating the steam passing therethrough.

2,355,481
CAP-FEEDING APPARATUS
Harry E. Stover, Connellsville, Pa., assignor to Anchor Hocking Glass Corporation, Connellsville, Pa., a corporation of Delaware
Application January 7, 1943, Serial No. 471,529
15 Claims. (Cl. 226—88.1)



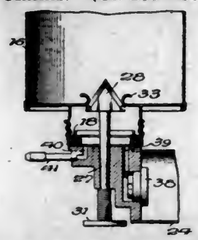
1. In a cap-feeding apparatus, a source of supply of caps, movable means for feeding caps successively from said source of supply, control means for moving said movable means and including a movable control member, means for locking said control member after it has been moved to actuating position, and means for releasing said control member as said movable cap-feeding means nears the extent of its movement.

2,355,482
ELECTRIC CIRCUIT BREAKER
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 26, 1940, Serial No. 331,797
6 Claims. (Cl. 200—152)



6. An electric circuit interrupter of the type capable of interrupting low currents as well as high currents, comprising a pressure confining chamber, means including liquid contacts within said chamber arranged to draw an arc upon separation thereof, an arc chute comprising a plurality of baffle plates arranged in said chamber above said contacts, means for forcing said arc into said arc chute to extinguish the same under high current conditions, and means for forcing said arc into said arc chute under low current conditions quickly to extinguish the same comprising hydrogen under a pressure of ten atmospheres or more contained in said chamber so as greatly to enhance the convection effect forcing said arc into said arc chute.

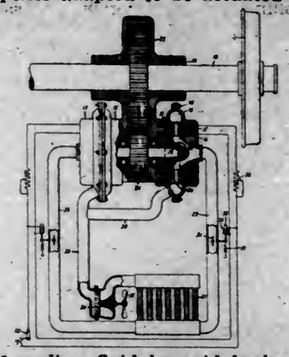
2,355,483
FIRE EXTINGUISHER
Samuel V. Swarr, Sr., Lancaster, Pa., assignor of twenty per cent to Leon L. Eckert and Sue M. Eckert, both of Lancaster, Pa.
Application January 8, 1942, Serial No. 426,090
2 Claims. (Cl. 169—33)



1. A fire extinguisher including a sealed fluid container, means including a pump engaged with a wall of the container and having puncturing means therein operable to produce an opening in said wall to provide communication between the container and pump, and a nozzle carried by the pump through which fluid flowing through said opening is discharged upon operation of said pump.

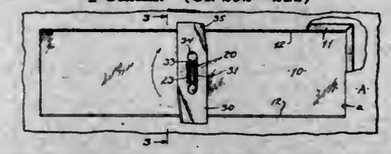
2,355,484
BRAKE SYSTEM
John W. Teker, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York
Application April 16, 1943, Serial No. 483,259
4 Claims. (Cl. 188—104)

1. A brake system including an electrically operated brake having a relatively stationary member with an exciting winding and a rotatable electrically inductive member formed as a fluid impeller for circulating cooling fluid through said brake, means for driving said brake rotatable member, and means including a heat exchanger connected to said brake having a ventilating medium impeller adapted to be actuated by circu-



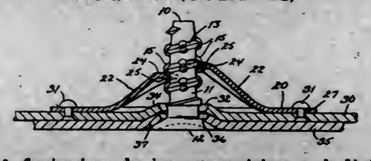
lation of cooling fluid by said brake rotatable member for circulating ventilating medium through said heat exchanger for cooling the cooling fluid circulated by said brake rotatable member.

2,355,485
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 4, 1942, Serial No. 445,711
1 Claim. (Cl. 292—218)



A fastening device of the character described comprising a rotatable stud having a head and a flat sided shank and a sheet metal bar formed with two longitudinally spaced openings through it and a longitudinal slit connecting said openings to leave two short tongues of greater width than the shank, said tongues being bent at acute angles to the body of the bar at the long sides of the slit and adapted to engage the opposite flat sides of the shank, whereby the bar may automatically lock itself to the shank, so that rotation of the stud may correspondingly turn the bar.

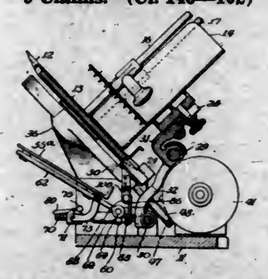
2,355,486
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 15, 1943, Serial No. 475,869
13 Claims. (Cl. 151—14)



1. A fastening device comprising a bolt having a thread and projections on the bolt arranged in a helical course between the crests of adjacent thread turns on the bolt and a locking device

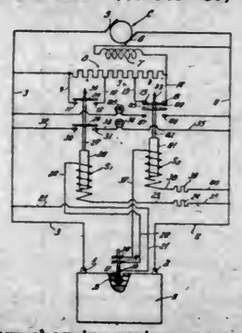
adapted to engage the thread groove of the bolt and having spring detent means to coact with successive projections as the bolt is turned into the locking device.

2,355,487
SLICING MACHINE
Wilhelmus Adrianus van Berkel, The Hague, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application September 17, 1941, Serial No. 411,228
In Great Britain December 2, 1939
9 Claims. (Cl. 146—102)



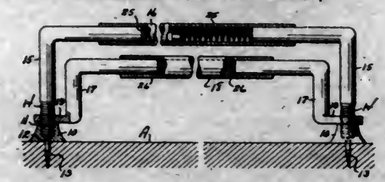
7. A slicing machine of the character described comprising a base, an inclined rotary slicing knife, a reciprocal carrier having an inclined substance supporting surface for feeding substance towards the cutting plane of said knife under aid of gravity, an adjustable gauge plate for determining thickness of slice, means for rotatably supporting said knife on said base providing a space of substantial size beneath the inclined knife and above the base, striker means carried by said gauge plate, means for adjustably moving said gauge plate providing for vertical movement of said striker means, slice receiver tray means movably carried by said carrier, and means operated by said striker means for effecting movement of said tray means away from the cutting plane of said knife upon each slicing operation of the carrier in accordance with adjustment of said gauge plate and vertical positioning of said striker means.

2,355,488
BATTERY CHARGING SYSTEM
John Van Vulpen and Everett H. Burgess, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application January 7, 1943, Serial No. 471,530
3 Claims. (Cl. 320—35)



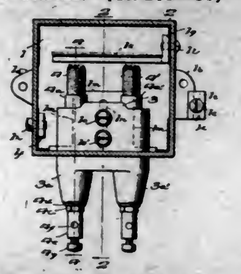
1. A battery charging system comprising a generator comprising a field and a variable resistance in series with said field, means for connecting the battery with the generator, and means for increasing said resistance and thereby reducing the charging rate of the generator whenever the temperature within the battery is below a predetermined minimum or above a predetermined maximum.

2,355,489
CURTAIN ROD
Graham B. Waddell, Mount Lebanon, Pa.
Application July 14, 1943, Serial No. 494,679
2 Claims. (Cl. 211—105.6)



1. A curtain rod comprising a pair of lug members, means fastening the lug members to a support, the lug members being provided with threaded sockets, arms, bent at one end and threaded into the sockets, a coupling sleeve releasably telescoped upon said arms, a pair of auxiliary arms having bent ends provided with threaded eye terminals engaged with the first mentioned arms, and a coupling sleeve releasably telescoped upon the second named arms.

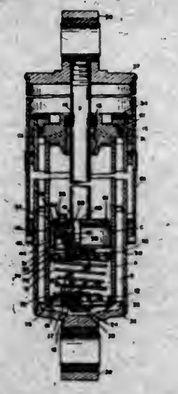
2,355,490
LIGHTNING ARRESTER
Albert J. Wayman, Youngstown, Ohio
Application August 3, 1940, Serial No. 350,302
7 Claims. (Cl. 175—30)



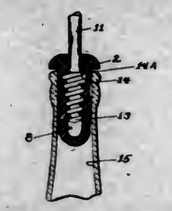
1. A protective discharge device comprising a grounded metallic housing, a pair of insulated carborundum rod electrodes, means for mounting said electrodes in parallel relation within said housing with the ends thereof arranged in adjustable spaced relation to a portion of said housing for forming discharge gaps between the ends of said rod electrodes and said housing, each of said rods being of a length sufficient to provide a resistance path of the order of one to five ohms per volt of the circuit to be protected.

2,355,491
HYDRAULIC SHOCK ABSORBER
Ralph H. Whisler, Jr., Monroe, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application March 22, 1943, Serial No. 480,081
16 Claims. (Cl. 188—88)

1. A hydraulic shock absorber having a cylinder containing a hydraulic medium, a piston slidable in the cylinder and having two sets of passages through which hydraulic medium in the cylinder is adapted to flow upon movement of the piston in one direction in the cylinder, means normally closing one set of passages and operable to offer a low stage of resistance to the flow of hydraulic medium through said passages, means operable when movement of the piston in the direction aforesaid is increased to cut off the flow of hydraulic medium through the first mentioned set of passages, and means normally closing the second set of passages and operable when the flow of hydraulic medium through the first set of passages is cut off to offer a secondary high stage of resistance to the flow of hydraulic medium through the second set of passages.

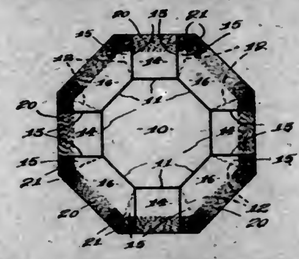


2,355,492
BOTTLE STOPPER
Gilbert White, Milwaukee, Wis.
Application July 5, 1941, Serial No. 401,122
1 Claim. (Cl. 215—54)



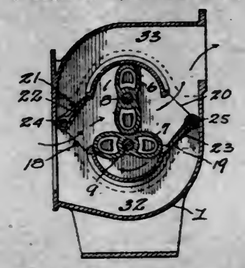
An expansible stopper for bottle necks, said stopper comprising a hollow resilient member closed at its bottle stopping end and having a constricted opening at its opposite end, said end with the constricted opening having an annular flange engageable with the end of a bottle neck, the interior wall of the hollow in said member being defined by a tapered thread converging toward said closed end and the exterior wall of the hollow having an annular bulge located in a plane disposed intermediate the ends of said tapered thread, and an expander having a shank projecting into and fitting said constricted opening and a tapered threaded portion in said hollow complementary to the tapered thread therein, said hollow being appreciably longer than the threaded portion on said expander, whereby when said stopper is placed in the neck of a bottle and the expander appropriately rotated said annular bulge and adjacent annular portions of said stopper will be expanded into sealing contact with the inner wall of the bottle neck.

2,355,493
CONTAINER CAP
Isaac L. Wilcox and Robert F. Huntley, Fulton, N. Y., assignors to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application July 12, 1937, Serial No. 153,084
2 Claims. (Cl. 215—38)



1. A hood cap for bottles and the like comprising a blank formed of thin sheet fibrous material scored to form overlapping pleat portions when the cap is applied to the bottle, the peripheral margin of said blank being impregnated with a thin, penetrating solution of benzol and rubber, and the overlapping portion of certain of said pleats being coated with a substance substantially non-adhesive with said fibrous material and strongly self-adhesive at normal temperature, and said substance readily combining with said benzol and rubber solution.

2,355,494
REVERSIBLE ROTARY BLOWER
Frank B. Yingling, Hamilton, Ohio
Application September 19, 1941, Serial No. 411,560
9 Claims. (Cl. 230—137)

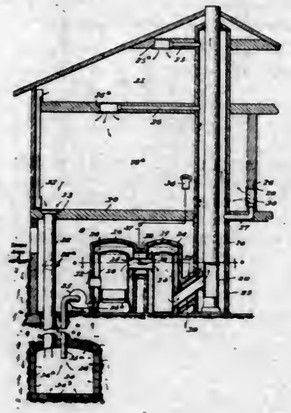


1. In a reversible rotary blower, the combination with a housing having constant-volume spaced intake and delivery chambers, a constant interior casing within said housing located between the chambers, a pair of reversible rotary interengaging impellers within the casing and operating means therefor, of a valve at one side of the impellers adapted to close an intake port and open an outlet port at one side of the impellers, a valve at the other side of the impellers adapted to open an intake port and close an outlet port, said valves being connected to operate simultaneously, and means for reversing the position of the valves.

2,355,495
HEATING AND AIR CONDITIONING SYSTEM
Edward M. Zier, Jr., New Albany, Ind.
Application June 11, 1942, Serial No. 446,672
3 Claims. (Cl. 237—55)

1. In a heating and air conditioning system, the combination with a building, of a furnace hav-

ing a vertically extending combustion chamber and a casing surrounding the same, an elongated cylindrical vertically extending heating drum of substantially the same height as the combustion chamber arranged alongside the furnace, a casing surrounding said drum, a pipe connection between the upper part of the furnace chamber and the upper part of the heating drum, a tubular connection between the upper part of the furnace casing and the upper part of the drum casing surrounding said pipe connection, a smoke flue, a



casing surrounding the smoke flue to provide a closed hot air chamber thereabout extending to the upper part of the building, a pipe connection between the lower part of the heating drum and smoke flue, a tubular connection between the lower part of the drum casing and the casing of the smoke flue and surrounding said last mentioned pipe connection, ducts leading from the hot air chamber surrounding the smoke flue to rooms of the building, and a fresh air supply duct leading to the furnace casing.

2,355,496

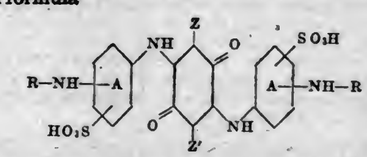
DIOXAZINE-TYPE DYESTUFFS AND PROCESS FOR PREPARING THE SAME

Frithjof Zwilgmeyer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 13, 1943, Serial No. 475,803

6 Claims. (Cl. 260—246)

1. Dioxazine dyestuffs of the group obtainable by ring-closing a quinone diamine of the general formula



wherein each of the benzene radicals marked A has at least one free ortho position, and wherein Z and Z' individually represent a substituent selected from the group consisting of hydrogen, halogen and alkyl, while R is the radical of a quinoxaline compound attached to the NH group through its Bz-ring.

2,355,497

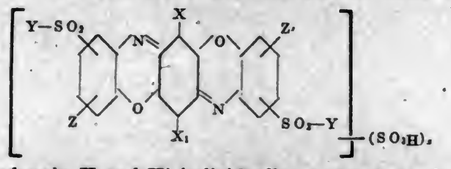
DIOXAZINE COLORING MATTERS AND PROCESS FOR PREPARING THE SAME

Frithjof Zwilgmeyer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 20, 1943, Serial No. 476,647

8 Claims. (Cl. 260—246)

1. Dioxazine dyestuffs of the general formula



wherein X and X' individually represent a substituent from the group consisting of hydrogen, halogen and alkyl; Y represents an amine radical; Z represents a substituent selected from the group consisting of hydrogen, halogen, hydroxyl, amino, substituted hydroxy and substituted amino; while x is a numeral not greater than 4.

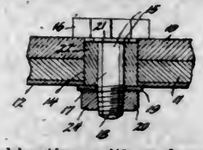
2,355,498

SECTIONAL BOLT

Hughlon Akin, Sr., Jackson, Tenn.

Application June 28, 1943, Serial No. 492,607

8 Claims. (Cl. 85—1)



1. The combination with a longitudinally divided bolt having a shank of less diameter than the hole in which it is to go, of a sleeve within the hole and surrounding the shanks of the assembled sections of the bolt, said sleeve being concentric with the hole and the axis of the bolt and fitting both the hole and the assembled shanks.

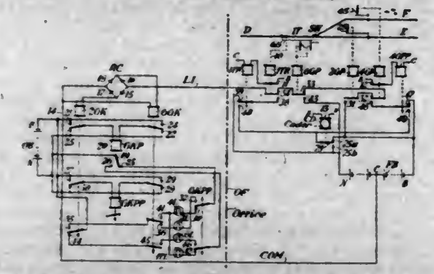
2,355,499

INDICATION APPARATUS

Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application October 9, 1942, Serial No. 461,379

6 Claims. (Cl. 246—122)



1. In combination with an office and a station connected by a line circuit, a source of direct current at said station, a first and a second device at said station and each operable to a first and a second condition and each device governing a slow acting relay according to its condition;

a coder at said station, circuit means including contacts of said coder and contacts governed by said devices and said slow acting relays to supply from said source to said line circuit non-coded current of positive polarity for a predetermined interval followed by coded current alternately positive and negative in polarity and non-coded current of negative polarity for a predetermined interval followed by coded current alternately positive and negative in polarity in response to the second condition of the first and second devices respectively, office indication means including a polar relay and a code responsive means to receive current from said line circuit and differently responsive to said two forms of current thus supplied to the line circuit at said station.

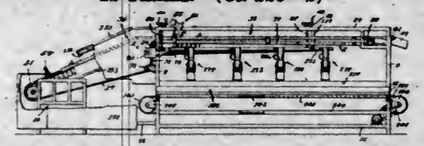
2,355,500

CONFECTION PACKAGING MACHINE

Swan F. Anderson, Rockford, Ill.

Application October 18, 1941, Serial No. 415,545

12 Claims. (Cl. 226—2)



1. The combination in a confection bagging machine of a frame having a loading station substantially at waist level, a packaging table for receiving bagged confections a stick holder for holding completed confections in a plurality of rows, a conveyor disposed longitudinally of said table for conveying said stick holders in succession from said loading station along said frame in an elevated plane, a plurality of baggers spaced longitudinally of said table a distance to provide space for side by side work by operators at each bagger, said baggers being disposed in a plane intermediate the table and said conveyer, and means for uniformly distributing successive rows of said confections to said baggers to drop therethrough and onto said table under gravity.

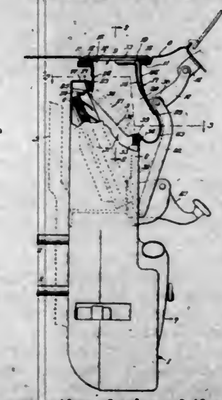
2,355,501

CAR HEATER VENTILATOR CONNECTION

Arthur B. Arnold, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin

Application October 31, 1940, Serial No. 363,719

5 Claims. (Cl. 98—2)



1. In a connecting device of the kind described and in combination, a cowl having an air inlet therein, a cover therefor, a tubular shaped member constructed of pliable material having its upper edge secured to said cowl around the air inlet thereof and its lower edge secured to a stationary element around an air inlet, a plate secured to said cover and extending down into the interior of the tubular shaped member, and actuating means including a link disposed entirely exteriorly of the tubular shaped member, and connected to said plate by an ear which is secured to the plate and extends outward through a slit in a wall of the tubular member, and pivotally mounted arms secured to said plate and extending outward through slits in said wall of the tubular shaped member, said wall being adhesively secured to said plate around said slits, and said wall being of a size to allow bodily shifting movement of said wall together with said plate.

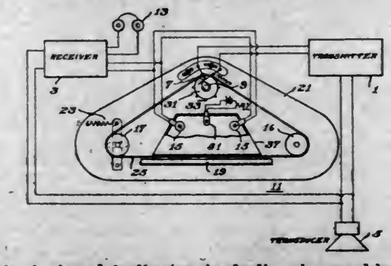
2,355,502

SIGNAL INDICATOR AND RECORDER

Loy E. Barton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 27, 1941, Serial No. 380,805

6 Claims. (Cl. 177—386)



3. A signal indicator including in combination a drive pulley including sprocket teeth, an idler pulley, a belt including at least one aperture index and sprocket holes for said sprocket teeth, said belt engaging said idler pulley and engaging substantially less than one-half of the driving surface and sprocket teeth of said drive pulley to minimize driving friction and to provide low friction indexing of said sprocket holes and teeth, means for rotating said drive pulley at substantially constant speed, a wave transmitter, means cooperatively connected to said drive pulley for pulsing said wave transmitter to radiate a wave therefrom, a receiver responsive to the reflected wave from said transmitter, a light source positioned to apply light of one color to said aperture, and a light valve adapted to supply light of a contrasting color, said light valve being positioned to apply its light to said aperture and being responsive to said received reflected wave whereby to produce a change in color of the light in said aperture, and a scale arranged to receive said light from said aperture.

2,355,503

SULPHATED AMIDE WETTING, DETERGENT, AND SUDSING AGENTS

Heinrich Bertsch, Rabenstein, near Chemnitz, Germany, assignor, by mesne assignments, to The Hydronaptheme Corporation, Wilmington, Del., a corporation of Delaware

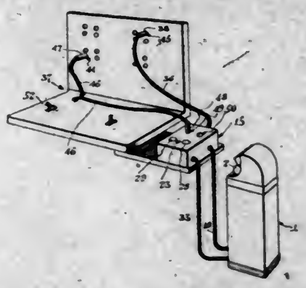
No Drawing. Application February 28, 1939, Serial No. 259,006

2 Claims. (Cl. 260—401)

1. The process of directly producing water-soluble salts of sulphated hydroxy alkyl, fatty

acid amides in a form substantially free of extraneous organic materials, which comprises condensing a monohalogenide of a fatty acid containing at least 8 carbon atoms with a lower molecular monoalkylol amine, thereby obtaining a quantitative yield of a hydroxy alkyl, fatty acid amide, then sulphating said product at the said hydroxy group and neutralizing to produce a water-soluble salt of the sulphuric acid ester of said amide.

2,355,504
PHONOGRAPH SYSTEM
Henry Melchior Bishop, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application October 16, 1942, Serial No. 462,213
9 Claims. (Cl. 179—6)

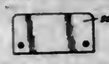


1. In a phonograph system adapted for recording signals from a telephone system and comprising drive means and record-cooperating translating means: the combination of transmitting means adapted to be positioned by the hand and including a flexible connecting cable for detachably connecting the phonograph system to the telephone system, said transmitting means being adapted for carrying signals from the telephone system to said translating means; means adapted to serve as a support for said transmitting means when the phonograph system is not in use; control means operable into on and off positions to render said drive means effective and ineffective; and means operatively associating said control means with said support means for causing the control means to be moved to off and on positions as an incident to mounting and removing said transmitting means onto and from said support means.

2,355,505
ELECTRODEPOSITION OF BRIGHT ZINC
John Leighton Bray, La Fayette, and Robert Eugene Howard, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application October 3, 1941, Serial No. 413,502
1 Claim. (Cl. 204—55)

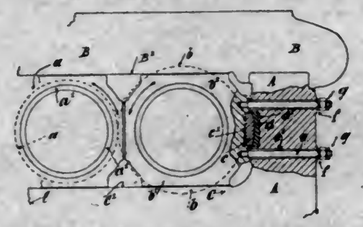
The process of producing bright electrodeposited zinc which comprises plating zinc onto a cathode at a current density in the range from 150 to 600 amperes per square foot of cathode surface from a bath at a temperature approximately that of the range 14° to 20° C., said bath consisting of zinc sulfate, water, sulfuric acid and an addition agent, the bath containing from 20% to 24% of zinc sulfate, and being approximately half-normal in acidity from said sulfuric acid, said addition agent being pyridine and being present in the bath in quantity to provide a molar concentration in the range from 0.006 to 0.010.

2,355,506
WRITING PAD EQUIPMENT
Arthur Brooksbank, Toronto, Ontario, Canada
Application November 27, 1942, Serial No. 467,481
2 Claims. (Cl. 281—1)



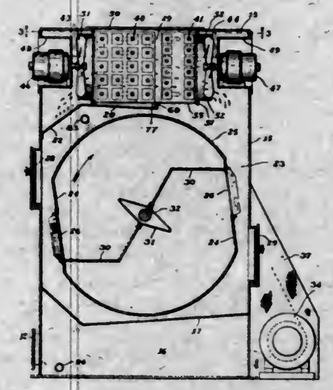
1. In a writing pad equipment, a base member outwardly inclined and having on the rear surface thereof attachment means adapted to secure said inclined base member to a rigid backing, said outwardly inclined base member having a shelf member suitably secured to lower rear portion thereof, an upper upwardly projecting finger plate member secured to upper rear portion of said inclined base member and, in combination, adjustable clamping members disposed on each vertical side of a flexible base member of a writing or notation pad member, said clamping members being in substantially parallel relationship to each other on the front exterior surface of said inclined base member, said adjustable clamping members adapted to slidably engage the vertical sides of the said flexible base member of the said writing or notation pad member, and a locking pin member located between the said vertical sides of the said flexible base member of the said writing or notation pad member located on the front exterior surface of the said inclined base member, said writing or notation pad member having a partially flexible base member and said partially flexible base member having intersecting apertures therein, said intersecting apertures forming a plurality of flanges therebetween in diametrical alignment, and said flanges adapted to be engaged by means of said locking pin member in said inclined base member.

2,355,507
BEARINGS FOR ROLLING MILLS, MIXERS, AND CALENDERS
Joseph Brown, Castleton, Rochdale, England, assignor to David Bridge & Company Limited, Castleton, Rochdale, England, a British company
Application January 20, 1943, Serial No. 472,942
In Great Britain February 12, 1942
3 Claims. (Cl. 308—72)



1. Bearing structures for the purposes described, comprising a front roller and a back roller, bearing blocks therefor guided in a horizontal plane, an accommodating and angularly movable guided bearing block for each end of the shaft of the back roller, a resilient medium in the rear of each of the bearing blocks for said back roller, said resilient medium having a curved face, means to house said resilient medium, a plunger-like contrivance having a curved face cooperating with the curved face on said resilient medium, and horizontally disposed accommodating tie-bolts, tapered bolt holes therefor in the cheeks of the machine and out of line with the resilient medium, said tie-bolts as to one end engaging the bearing blocks for the back roller and having springs and lock-nuts applied to their outer ends, all whereby each bearing block for the back roller has a centralized pivot or focus of pressure, all to permit slight angular and accommodating movement of said bearing blocks for the back roller.

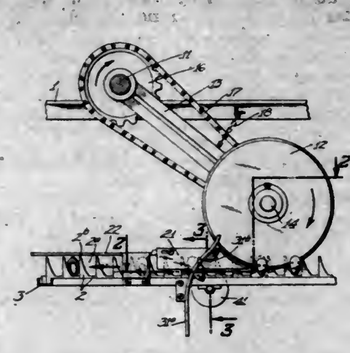
2,355,508
DRY CLEANING SYSTEM
Mario Busi, New York, N. Y., assignor to The Silver Globe Corporation, New York, N. Y., a corporation of New York
Original application September 29, 1939, Serial No. 297,070, now Patent No. 2,316,669, dated April 13, 1943. Divided and this application August 21, 1940, Serial No. 353,547
3 Claims. (Cl. 68—143)



1. In dry cleaning apparatus of the character described, an outer casing, a rotatable washer element positioned in said outer casing, means supporting said rotatable washer element for rotation in said outer casing, a stepped imperforate Z-shaped partition dividing said rotatable washer into two similar compartments, said rotatable washer including imperforate offset portions adjacent said partition and being provided with perforations throughout the remainder of its periphery.

2,355,509
FISH BEHEADING MACHINE
Andrew L. Christiansen, Willowbrook, Calif.
Application March 14, 1942, Serial No. 434,635
3 Claims. (Cl. 17—4)

3. In a machine of the class described, a conveyor having transverse fish-carrying pockets for carrying fish transversely therein, means at one side of the conveyor for entering the fish between the bodies and the heads thereof, and for retaining the bodies of the fish in said pockets, and obstruction means in association with the first means at the side thereof opposite the conveyor, said obstruction means being downwardly inclined and positioned to engage the heads of the fish, the face of said downwardly inclined obstruction being substantially perpendicular to the vertical plane of travel of the conveyor, and extending from substantially the top of the conveyor at an angle downwardly and backwardly to below the pockets, said face being



adapted for forcing the heads of the fish downwardly as the conveyor is advanced for forcefully removing the heads from the bodies of the fish.

2,355,510
TOP ROLL
Leland D. Cobb, Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 31, 1941, Serial No. 425,144
8 Claims. (Cl. 19—142)



1. In a top roll for textile machinery, a shaft, a pair of roll members having axial bores receiving said shaft, reduced outer ends on said roll members, fastening elements demountably and individually securing said reduced outer ends to the opposite ends of said shaft, a sleeve surrounding said shaft between the roll members, and antifriction bearings respectively mounted in said roll members and co-operatively supporting said sleeve in annular spaced relation about said shaft.

2,355,511
TOP ROLL
Leland D. Cobb, Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 31, 1941, Serial No. 425,145
8 Claims. (Cl. 19—142)



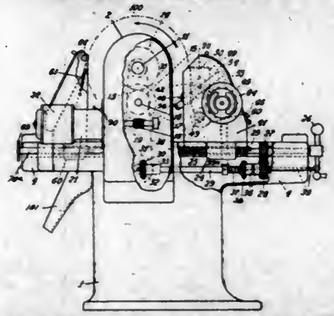
1. In a top roll for textile machinery, a rotatable sleeve body having end counterbores, spaced

cots secured to said sleeve body, a unit-handling bearing demountably and non-rotatably seated in each counterbore, a shaft slidably received in said bearings and spaced from said sleeve body, a collar on each end of said shaft and having an inner end projecting into said sleeve body adjacent to one of said bearings, said collars being axially movable into and out of bearing engagement, and means detachably fastening each of said collars to said shaft.

2,355,512

MACHINE FOR MANUFACTURING SPLINTS FOR MATCHES

Lorenz Contratto, Sisikon, Switzerland
Application January 16, 1941, Serial No. 374,761
In Switzerland January 13, 1940
10 Claims. (Cl. 144—50)

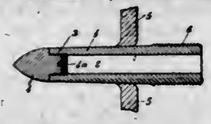


6. A machine for manufacturing splints for matches comprising means for supporting and rotating a wood log, a splitting knife adapted to produce cuttings in the circumference of said log in a direction parallel to the axis of rotation thereof, and means for imparting a compound movement to said knife having one component in a direction radially of the axis of the log and the other component in the circumferential direction of said log.

2,355,513

EXPLOSIVELY ACTUATED APPARATUS FOR PERFORATING SUBMERGED OR OTHER ARTICLES

Percy Cox, Keston Park, England; Nellie Louise Cox administratrix of said Percy Cox, deceased
Application June 20, 1942, Serial No. 447,882
In Great Britain July 3, 1941
7 Claims. (Cl. 114—16.4)

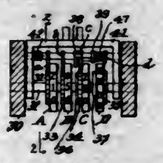


1. A bolt-like projectile connector of the kind indicated intended to be driven into a resistant shell so that the forward part of the connector passes through the shell while the rearward part remains on the near side of said shell, comprising a cavitied body the cavity of which is adapted to afford a path of communication between one side of the penetrated resistant shell and the other as required, an armour piercing nose at the forward end of said body, removable sealing means for preventing throughway communication between one side and the other of said shell through the cavitied body until such time as throughway communication is required and means at the rear end of said body for attaching a coupling for enabling matter to be passed through the cavity of said body.

2,355,514

TYPE WHEELS AND DRIVING MECHANISM THEREFOR

Henry N. Deane and Albert E. Rockwood, Gardner, Mass., assignors to Simplex Time Recorder Co., Gardner, Mass., a corporation of Massachusetts
Application September 14, 1942, Serial No. 458,284
7 Claims. (Cl. 58—125)

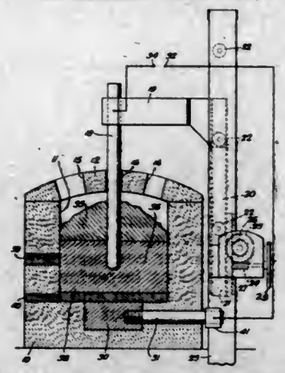


1. In an impression mechanism, a pair of coacting hour wheels combinable to print twenty-four consecutive hour numeral units, each type wheel having ten numeral units only, one type wheel including the numbers 10, 20, 21, 22 and 23, and the other type wheel including digits only, and intermittently operative means effective to give said wheels successive advance movements in predetermined order to form said twenty-four consecutive hour numeral units.

2,355,515

METHOD OF SMELTING TIN-CONTAINING MATERIALS

Louis S. Deitz, Jr., Westfield, N. J., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y., a corporation of New York
Application August 20, 1942, Serial No. 455,439
21 Claims. (Cl. 75—10)



1. The method of smelting tin-containing material in an electric slag resistance furnace, which comprises maintaining the electrical resistance of the slag in such a furnace within predetermined limits by making controlled additions of sodium carbonate thereto as the smelting operation progresses.

2,355,516

ELECTRIC FILTER

André J. Dévot, Newton, Mass., assignor to Tobe Deutschmann Corporation, Canton, Mass., a corporation of Delaware
Application September 3, 1941, Serial No. 409,414
11 Claims. (Cl. 178—44)

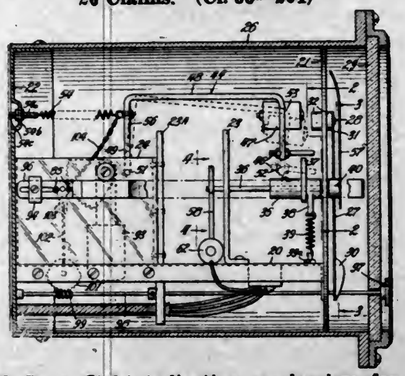
5. An electric filter with one filter section having a series impedance of negligible value and a shunt impedance, and cascaded thereto a second section having an inductive series impedance and a shunt impedance, said shunt impedances consisting of inductance and capacitance in series, comprising two condensers having residual inductance connected as shunt impedances and a coil connected therebetween as series impedance, the electrodes of said condensers being substantially directly connected to said coil so as to constitute lead impedances which are negligible in the operating range of the filter, and the inductance and capacitance values of said condensers being proportioned to constitute said shunt impedances.



2,355,517

AIRPLANE FLIGHT INDICATOR

Herbert F. De Weese, Lincoln, Nebr.
Application March 3, 1941, Serial No. 381,471
20 Claims. (Cl. 33—204)

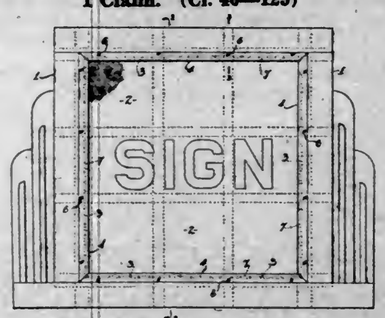


20. In a flight indicating mechanism for an aircraft having a rudder, means for indicating the magnitude of bank of said aircraft when said aircraft is in a turn, and means controlled by and in accordance with the setting of said rudder for maintaining said indicating means inoperative to indicate the bank of said aircraft so long as said aircraft is in straight flight.

2,355,518

CHANGEABLE SIGN

John Dow, Lakewood, Ohio
Application March 7, 1942, Serial No. 433,801
1 Claim. (Cl. 40—125)

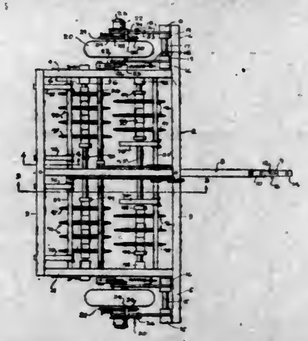


In a changeable sign, the combination of a back, a single sheet of fabric upon which is provided the subject matter to be displayed, said sheet having a decidedly and substantially uniformly shrinkable nature in substantially all directions and throughout the entire extent thereof, and mechanical means for firmly securing all of the marginal portions but only the marginal portions of said sheet to said back, the main body of said sheet being free to respond to the shrinking effect of the natural elements so as to be rendered uniformly taut thereby in substantially all directions and throughout the entire extent thereof.

2,355,519

CULTIVATOR

Ray E. Dunham, Berea, Ohio, assignor to The Dunham Company, Berea, Ohio, a corporation of Ohio
Application August 7, 1940, Serial No. 351,688
5 Claims. (Cl. 97—8)



1. A cultivator comprising a frame adapted to be propelled along the ground, a rock shaft mounted on the frame, a plurality of spring teeth comprising leaf springs of double spring form, one of said leaf spring members being irregularly curved and said second leaf spring member having a corresponding curvature throughout a major portion of its length, said second spring member being relatively shorter than said first named spring member, each spring member being provided with concavo-convex end portions and having sliding contact with each other, the first said leaf spring having a sweep secured to its concavo-convex end portion, said sweep being adapted to vibrate a limited amount, said spring teeth being adjustably secured in spaced relation longitudinally of said shaft, means to rock said shaft to project the said teeth into the soil to a predetermined normal depth, and rotary means on said frame in such spaced relation to said spring teeth as to work concurrently the soil between said teeth when said cultivator is being propelled along the ground, said rotary means operating upon the surface of the soil and assisting said spring members in limiting abnormal projection of said teeth into the soil.

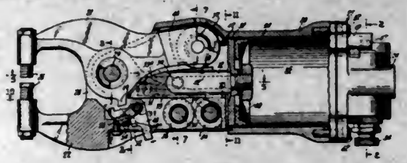
2,355,520

COMPRESSION RIVETER

Howard R. Fischer and James A. Roberts, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application June 6, 1941, Serial No. 396,880
4 Claims. (Cl. 78—48)

1. In a riveting or like machine, the combination of a stationary work engaging jaw, a mov-

able jaw supported for movement toward and away from said stationary jaw to complete a compression and return stroke, actuating means for moving said movable jaw toward said stationary jaw and for controlling the movement thereof away from said stationary jaw, an inde-

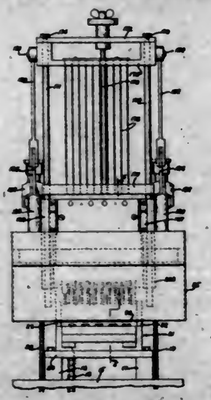


pendently operable latch movable to different positions so as to be cooperable with said movable jaw effective to limit the travel of said movable jaw away from said stationary jaw to a movement less than a full return stroke, and settable means for enabling and disabling said latch.

2,355,521
PREPARATION OF ARTIFICIAL MASSES
Géza Ganz, London, England
No Drawing. Application July 11, 1940, Serial No. 345,018. In Great Britain February 24, 1940
1 Claim. (Cl. 117—163)

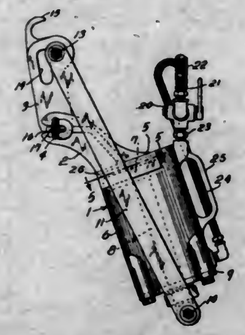
The process which comprises impregnating a fleece of cotton fiber with a bath comprising about 400 parts of latex, containing a dry rubber content of about 33%, about 1000 parts of an aqueous casein solution containing dissolved therein about 40 parts of casein and 6 parts of ammonia solution, about 250 parts of an aqueous suspension containing about 100 parts of soya bean flour, about 5 parts of sulfonated oil as a wetting agent and sufficient sulfur to act as vulcanizing agent, then drying the impregnated product at vulcanizing temperatures while applying pressure thereto for a time sufficient to effect vulcanization.

2,355,522
ASSEMBLING APPARATUS
Howard W. Garbe, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 5, 1942, Serial No. 433,480
13 Claims. (Cl. 29—203)



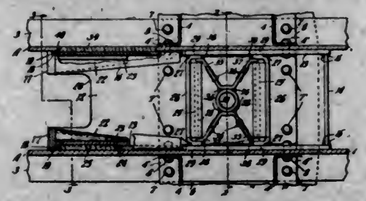
1. A machine for assembling insulators in an electrical apparatus including means for supporting the apparatus during the assembling of the insulators therein, means positioned above the supporting means for simultaneously feeding a plurality of insulators to the apparatus, means for lifting parts of the apparatus a predetermined amount to align the parts with portions of the insulators, said feed means including instrumentalities for positioning the insulators in assembling relation with respect to the lifted parts, means for turning the insulators bodily through a predetermined angle to lock them in place on said lifted parts, and a driving means common to said feeding, turning and lifting means for actuating them individually to simultaneously manipulate the parts of the apparatus and assemble and lock the insulators therewith.

2,355,523
CHAIN BREAKER
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application October 30, 1942, Serial No. 463,990
15 Claims. (Cl. 29—66)



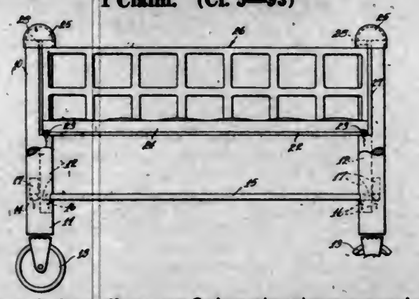
1. In a chain breaker, a cylinder containing a piston, a breaker element connected to said cylinder and engageable with a link of a chain, a movable breaker element operatively connected to the piston and engaging an adjacent link of the chain, and means for operating said piston to move said movable breaker element relatively to said other breaker element to twist said chain links to effect fracture of the chain.

2,355,524
BOLSTER CENTER BRACE
Frederick G. Garlock, Chicago, Ill., and John R. Mull, Gary, Ind., assignors to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application July 3, 1942, Serial No. 449,577
9 Claims. (Cl. 105—228)



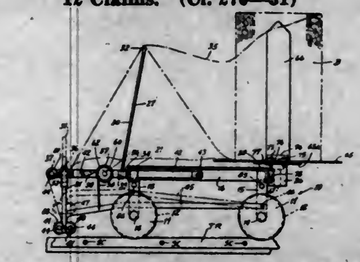
1. As an article of manufacture, a bolster center brace adapted for insertion in and removal from the center sill as a unit, comprising a bottom plate and vertical side plates forming a housing of U-shaped section, transverse brace plates between the side plates and spaced apart longitudinally and welded to the bottom and side plates through slots therein from the exterior of the housing, a tubular center pin holder positioned in the space between the side plates and between the transverse brace plates and welded at its lower end to the bottom plate, and brace means within said space and welded to the center pin holder, the side plates of the housing and the transverse brace plates.

2,355,525
INFANT'S CRIB AND THE LIKE
Blanche K. Giesler, Washington, D. C.
Application August 31, 1940, Serial No. 355,100
1 Claim. (Cl. 5—93)



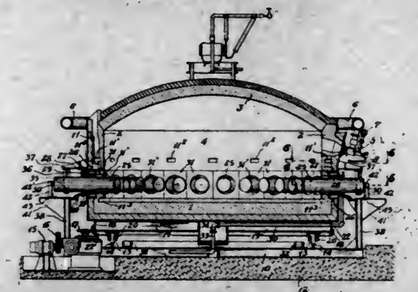
In a baby crib, a confining structure comprising four separable upright wall sections forming a rectangular enclosure, each of said sections comprising a flat and rigid grid-like foundation embedded in soft rubber and presenting only soft rubber surfaces to the interior of the enclosure, rigid means associated solely with exterior portions of said sections to maintain them in upright position, said wall sections arranged in two pairs with the vertical edges of one pair in abutment with the vertical edges of the other pair at the corners of the enclosure to prevent inward collapse of any section, said rigid means comprising four corner posts including cap elements receiving the upper ends of the posts and upper portions of the ends of said sections.

2,355,526
CLOTH-SPREADING MACHINE
Theodore J. Gundlach, Belleville, Ill.
Application July 18, 1942, Serial No. 451,510
12 Claims. (Cl. 270—31)



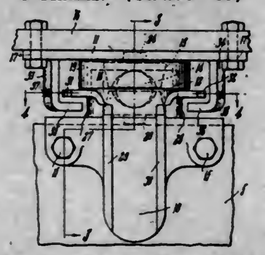
12. In a cloth-spreading carriage adapted to coact with a table or like surface for the deposit of single layers of an initially double-bolted fabric, a vertically disposed rotatable supply reel on the carriage, a wishbone type singler mounted in a generally transverse position on the carriage and with its apex portion at about the height of issuance of the fabric fold from a supply bolt on the reel, means enabling an adjustment in width of the frame structure of the carriage by effecting different spacings of the carriage side members, the wishbone structure being so formed as to accommodate itself to different widths of carriage while substantially maintaining the position of its apex portion with respect to the supply bolt.

2,355,527
ROTARY NOSING-IN FURNACE
Benjamin G. Harmon, Evanston, Ill., assignor to The Gas Machinery Company, Cleveland, Ohio, a corporation of Ohio
Application October 24, 1942, Serial No. 463,238
7 Claims. (Cl. 263—7)



1. A heating furnace comprising a structure having a base, a side-wall, and a dome, a series of stock-holders rotatably mounted in the side-wall, means for rotating the holders, and automatic means for progressively feeding stock through the holders into the furnace.

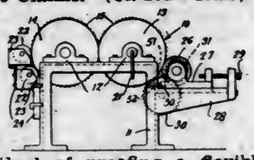
2,355,528
VEHICLE BODY SUPPORT
William D. Harper, Wellesley, Mass.
Application January 8, 1941, Serial No. 373,523
6 Claims. (Cl. 296—35)



1. A vehicle body support comprising opposite brackets adapted to be mounted on the top of a base structure and on the under part of a superposed structure, bearing cups in alinement with each other connected by rivets to the respective brackets, said cups having in their contiguous ends ball recesses of oblate spheroidal contours and having tapered bosses projecting from their bases in driven-fitted engagement with the respective brackets, a ball contained within the recesses of both cups, webs projecting from each bracket at opposite sides of its connected cup toward the other bracket, the web so projecting from one bracket being outside of the webs projecting from the other bracket, flanges projecting outwardly from the inner webs and flanges projecting toward one another from the outer

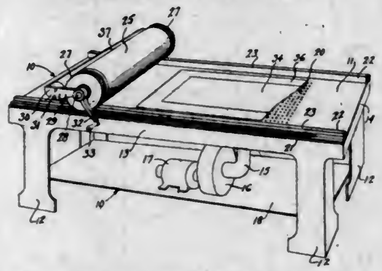
webs, said outwardly projecting flanges being overlapped with respect to the inwardly projecting flanges and spaced apart from them sufficiently to permit a limited movement of one bracket both laterally with respect to, and away from, the other bracket.

2,355,529
PROOFING APPARATUS AND PROCESS
John F. Hawley, Riverside, Ill.
Application May 16, 1941, Serial No. 393,716
9 Claims. (Cl. 101—401.3)



1. A method of proofing a flexible printing plate comprising pressing the reverse face of said plate against a cylindrical surface, kissingly contacting the highs only of said plate, while the plate is so pressed, with a cylindrical surface covered with a film of ink colored in contrast to said plate to effect a selective transfer of ink exclusively to the highs of said plate, and changing the thickness of said plate in accordance with the extent of ink transfer from said second surface to said highs.

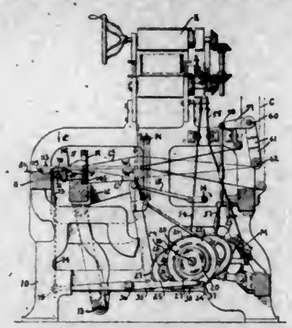
2,355,530
PROOFING PROCESS
John F. Hawley, Riverside, Ill.
Application April 4, 1942, Serial No. 437,623
3 Claims. (Cl. 101—401.3)



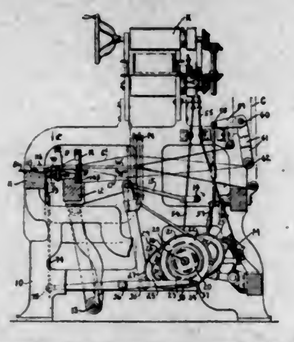
1. A method of proofing a flexible printing plate without the use of a test sheet including holding the reverse face of said plate against a flat surface, kissingly contacting the highs only of said plate while the plate is so held with a cylindrical surface covered with a film of ink colored in contrast to said plate, whereby the high spots, if any, will be shown by selective transfer of ink from said cylindrical surface to such high spots, and building up low plate areas until the whole plate area will be inked uniformly by the transfer of ink from said cylindrical surface.

2,355,531
LOOM FOR WEAVING LADDER TAPES
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 16, 1942, Serial No. 434,920
17 Claims. (Cl. 139—22)

11. In a loom having a backwardly and forwardly reciprocating reed and operating with two sets of ground warps one set over the other set to form two ground sheds one over the other which connect to the fells of their respective fabrics, the loom having crossing warps which extend from each fell to the ground shed of the other fell at periodic intervals, a shuttle for each ground shed to pass behind the corresponding crossing warps when the latter are crossed and while the reed is in the rear part of its reciprocation, a crossing warp advancer between the ground sheds and behind the crossed crossing warps, and means moving at a rate independent of the rate at which the reed moves to move said advancer forwardly to its foremost position to cause the crossing warps to lie close to their corresponding fells and extend in a tensioned state forwardly therefrom prior to crossing of the ground warps.



2,355,532
METHOD OF WEAVING LADDER TAPES
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application March 16, 1942, Serial No. 434,920. Divided and this application August 24, 1942, Serial No. 455,828
5 Claims. (Cl. 139—22)

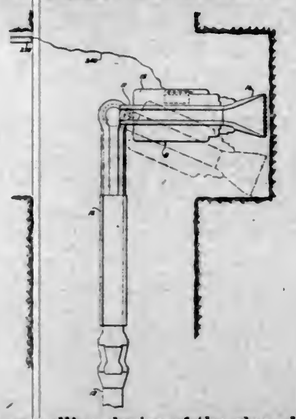


1. The method of forming cross bars in ladder tape in a loom having two ground sheds one over the other and a set of crossing warps to form the cross bars, said method consisting of the following steps: crossing a group of crossing warps from one ground shed to the other ground shed, passing a weft from the fell of said other shed through the latter and behind the crossing warps, completing forward movement of the crossing warps to locate them adjacent to the fell of said other shed while the latter is open and thereafter closing said sheds and beating the weft to the corresponding fell.

2,355,533
CELLULOSE ESTER COMPOSITIONS
William H. Holst, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application March 12, 1940, Serial No. 323,583. Divided and this application August 22, 1942, Serial No. 455,727
8 Claims. (Cl. 106—176)

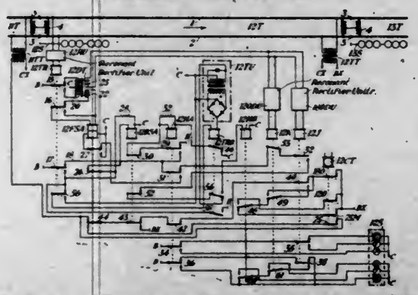
1. A composition comprising a lower fatty acid cellulose ester and a hexitol tributylidene.

2,355,534
LOADING DEVICE
John H. Holstein, Chevy Chase, Md., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 19, 1942, Serial No. 469,508
35 Claims. (Cl. 198—220)



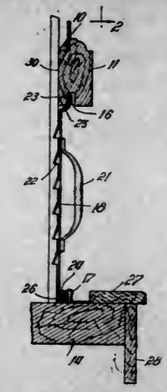
1. In a propelling device of the class described, a base adapted to slidably move along the ground, and inertia propelling means slidably mounted on said base for moving said base along the ground, including a reciprocating drive mechanism and a linkage connection from said drive mechanism to said base, providing a propelling connection therebetween.

2,355,535
RAILWAY SIGNALING SYSTEM
Andrew Hufnagel, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 9, 1943, Serial No. 501,640
8 Claims. (Cl. 246—38)



1. In a railway signaling system, in combination, a section of railway track, a code following track relay energized by current supplied over the rails of said section, means for supplying to the section rails recurring cycles of coded energy each consisting of an "on" and an "off" period of substantially equal duration, means for at times periodically modifying the cycles of coded energy supplied to the section rails by substantially reducing the length of the "off" period in a code cycle, a first, second, third and fourth auxiliary relay, a timing unit effective on interruption of the supply of energy thereto to supply energy effective to maintain the third auxiliary relay picked up for a time longer than an "off" period of reduced length but shorter than an "off" period of normal length, a circuit including a front contact of said track relay for supplying energy to the first auxiliary relay, a circuit including a back contact of the track relay and a front contact of said first auxiliary relay for supplying energy to the second auxiliary relay, a circuit including front contacts of the track relay and of said second auxiliary relay for supplying energy to said timing unit, a circuit including a back contact of said track relay for supplying energy from said timing unit through a rectifier to said third auxiliary relay, a circuit including front contacts of said track relay and said third auxiliary relay for supplying energy to said fourth auxiliary relay, a contact of said third auxiliary relay being effective when picked up to establish a circuit including a front contact of said first auxiliary relay for supplying energy to the second auxiliary relay and to also establish a circuit including a front contact of the track relay and including in series therewith the rectifier associated with said timing unit for supplying energy to the third auxiliary relay, and means governed by said first, second and fourth auxiliary relays for supplying energy to the rails of the adjacent section in the rear.

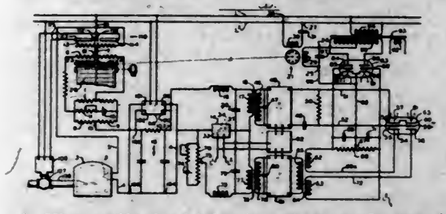
2,355,536
VENTILATOR APPARATUS
Langdon M. Jenness, Chicago, Ill.
Application June 26, 1942, Serial No. 448,537
1 Claim. (Cl. 98—99.8)



In ventilator means for a window structure with a movable sash having a groove in the bottom rail thereof and said window structure having an upstanding tongue on the sill therefor adapted to fit into the groove to provide a weather seal when the window sash is closed, a ventilator for fitting between the sash and sill when the window is open comprising telescoping plates having ventilating openings therethrough, said ventilator being extensible across said window opening and having a top edge por-

tion receivable in the window sash groove to retain the ventilator at the top and close the window opening, said plates each having an inturned channel-like portion at the bottom thereof adapted together to be positioned to the outside of the upstanding tongue, and said channel-like portions having a drain opening therein opening to the outside of the plates to drain away from said channel-like portion any water collecting therein from the inside of the ventilator.

2,355,537
MEASURING AND CONTROL APPARATUS
Harry S. Jones, Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 19, 1942, Serial No. 466,130
28 Claims. (Cl. 171—95)



1. The method which comprises producing an electromotive force to be measured having a very low frequency component which is difficult of direct amplification, opposing said electromotive force to a known electromotive force, deriving from the resultant of said electromotive forces a succession of waves of transient oscillatory currents, amplifying said oscillatory currents, and applying the amplified currents to effect a balance between said opposed electromotive forces.

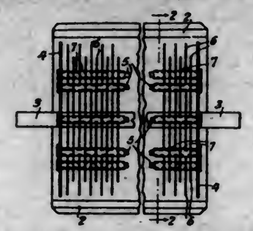
2,355,538
COIL WINDING APPARATUS
Edwin H. Lane, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 10, 1943, Serial No. 498,071
8 Claims. (Cl. 242—9)



1. In a coil winding apparatus having a longitudinally yieldable winding arbor, a rotatable longitudinally indexable coupling for supporting one end of said arbor, said coupling including a pair of stop members for supporting said arbor in different longitudinal positions, one of said stop members being fixed and the other stop member being micrometrically adjustable to and from said first stop member.

2,355,539
APPARATUS FOR CONCHING CHOCOLATE
George Lawton, Highgate, London, England
Application March 17, 1943, Serial No. 479,524
In Great Britain August 26, 1941
2 Claims. (Cl. 259—102)

1. Apparatus for conching chocolate comprising a trough for containing a bath of liquid chocolate, a rotatable shaft journaled transversely in the trough, a structure carried by said shaft having rods substantially parallel to and in spaced relationship around said shaft, disks mounted on and in spaced relationship along said rods having their side faces fully exposed, the disks of one rod being in staggered disposition relative to the disks on an adjacent rod so that



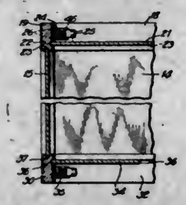
the disks along one rod intercalate with the disks on another rod, and the arrangement being such that as the shaft rotates the rods with the disks mounted thereon successively dip into and out of the bath of liquid chocolate.

2,355,540
PICKER MOTION FOR LOOMS
Le Roy Layton, Lansdowne, and Edward W. Sherts, Upper Darby, Pa., assignors to Lansdowne Steel & Iron Company, Morton, Pa., a corporation of Pennsylvania
Application June 4, 1942, Serial No. 445,799
11 Claims. (Cl. 139—144)



1. A picker motion for looms, comprising a closed fluidic system including a cylinder, a piston reciprocable in said cylinder, means for trapping elastic fluid in one end of said cylinder, means for moving said piston toward said end of the cylinder to compress said fluid therein, means for retaining said piston in its fluid compressing position, and means for releasing said piston to effect driving of a shuttle across said loom under impetus of said compressed fluid.

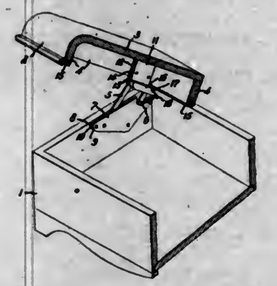
2,355,541
KNOCKDOWN FURNITURE
Gidale Lew, Brooklyn, N. Y.
Application October 27, 1942, Serial No. 463,455
7 Claims. (Cl. 312—143)



7. In a knockdown cabinet, corner posts, upper and lower end sections, each of said end sections comprising a frame and a panel, said frame consisting of side members having alined grooves respectively on the insides thereof, and means connecting said side members for adjustment with respect to each other, the edges of said

panel disposed in said grooves respectively, and securing means cooperating with said posts and said first means to retain the posts, side members and panels in place, said securing means being releasable to enable the separation of the parts.

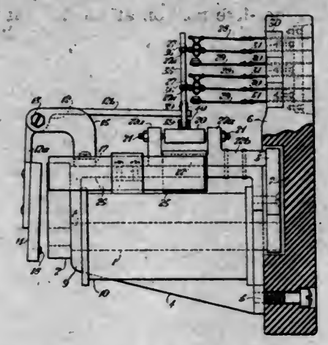
2,355,542
HINGE
Grady A. Loftin, Altavista, Va., assignor to The Lane Company, Inc., Altavista, Va., a corporation of Virginia
Application February 24, 1942, Serial No. 432,133
3 Claims. (Cl. 16—163)



1. A hinge adapted to secure the cover to the body of a cedar chest or the like receptacle and to be exposed to the interior thereof comprising a first bearing member formed of two spaced apart parallel non-metallic plates, said bearing member being adapted to be secured to an end wall of the body of the receptacle, a second bearing member formed of two spaced apart parallel non-metallic plates, said second bearing member being adapted to be secured to the end wall of the cover of the receptacle, and two non-metallic link members an end of each of which is pivotally secured to each of said bearing members between the non-metallic plates thereof, said second bearing member being adapted to project across the line of contact of the body and cover and said first bearing member being recessed to receive the projecting end of said second bearing member and the ends of said link members secured to said second bearing member being secured to said projecting end so that said link members lie wholly below said line of contact in closed position.

2,355,543
ELECTRICAL RELAY
Paul N. Martin, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 15, 1942, Serial No. 469,088
2 Claims. (Cl. 175—339)

1. A polar neutral relay comprising two parallel cores connected at one end by a backstrap and surrounded by energizing windings, pole pieces on said cores at the ends opposite to said backstrap, a neutral armature cooperating with said pole pieces, a magnetizable yoke connected with said backstrap, a polar armature pivotally supported intermediate its ends in said yoke and extending transversely of said cores intermediate their ends, two permanent magnets extending parallel to said cores and each connected at one end with a different one of said pole pieces, the ends which are connected with said pole pieces being of like polarity, and polar pole shoes



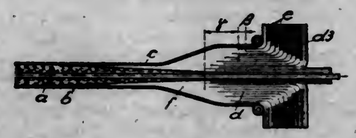
connected with the free ends of said magnets and cooperating respectively with the opposite ends of said polar armature.

2,355,544
ATTACHING MEANS
Kenneth J. J. McGowan, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 8, 1942, Serial No. 438,088
13 Claims. (Cl. 246—1)



1. In combination with a railway car coupler in its locked condition, a pair of magnets, and means for removably securing both of said magnets to said railway car coupler, said means preventing said car coupler from mating with any other car coupler and including means operative for establishing a predetermined magnetic relationship of the magnets when attached to a car coupler and for establishing another predetermined magnetic relationship prior to disconnecting said magnets from said car coupler.

2,355,545
CABLE JOINT OR TERMINAL
August Meyerhans, Rieden, near Baden, and Hans Hartmann, Baden, Switzerland, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company
Application April 3, 1942, Serial No. 437,588
In Switzerland April 15, 1941
7 Claims. (Cl. 174—74)



1. A joint structure for an electrical cable within and insulated from a metal sheath by

wrapped layers of insulation, said joint structure including in combination with a cable end from which the sheath has been cut back to expose the conductor, of wound layers of insulating material increasing the thickness of the insulation about the unsheathed cable end to substantially more than the thickness of the insulation within the sheath, the outer end portions of said wound layers being turned outwardly to form a collar substantially normal to the conductor.

2,355,546
COMPOSITE SIGN STRUCTURE
Frank L. Michaels, Fort Thomas, Ky.
Application April 28, 1941, Serial No. 390,707
3 Claims. (Cl. 40—142)



1. In a composite sign the combination of a formed sheet metal body comprising spaced hollow flanges and a recessed background panel connecting them, an offset shoulder formed integrally with and connecting the lower flange with the adjacent side of the panel, a sign element seated on its bottom edge on said shoulder and extending upwardly across the background panel toward the top flange, a lug on the bottom of the sign element passing through the shoulder for positioning the bottom of said sign element on the shoulder, a relatively longer lug on the top of the sign element extending in partially exposed relation to the top flange and then into the hollow interior of the top flange, and a rigid bar-like element retained in non-shiftable relation in said interior of said top flange precluding movement of the lug further into the flange whereby the sign element is retained against removal from the face of the sign.

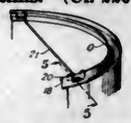
2,355,547
FOOD COMPOSITION
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 7, 1943, Serial No. 513,295
13 Claims. (Cl. 99—93)

1. A food composition comprising as an ingredient a small amount of a dry milled, substantially fat free oat product, said oat product containing in excess of about 20% total protein and said oat product having a relatively low starch and a relatively high protein content as compared to dehulled oats.

2,355,548
SAUSAGE COMPOSITION
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application June 1, 1944, Serial No. 538,325
6 Claims. (Cl. 99—109)

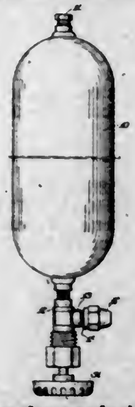
1. A sausage composition comprising as an ingredient a small amount of a finely divided, dry milled oat product, said oat product containing in excess of about 20% total protein and said oat product having a relatively low starch and a relatively high protein content as compared to dehulled oats.

2,355,549
BRUSH WIPER CONSTRUCTION
Arthur E. Myers, Jackson Heights, N. Y.
Application February 23, 1938, Serial No. 191,871
8 Claims. (Cl. 220—90)



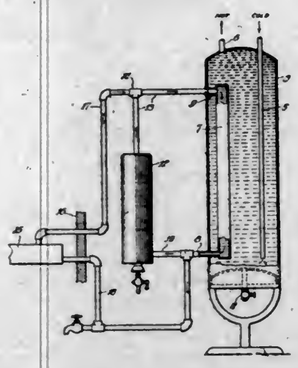
3. In a can having a concentric groove at its top and a bead interiorly of the groove, defining the can opening, the combination of a curved portion extending into the groove, said curved portion extending upwardly and over the bead and then downwardly against the bead to contact the same and then extending and terminating in a common member which serves as a wiping blade, said portion having an intermediate portion formed to wedge the bead-contacting portion securely in position whereby the wiping blade is securely held in respect of the bead interiorly of the groove.

2,355,550
APPARATUS FOR PRODUCING AIR COLLOIDS
Lee Nusbaum, Philadelphia, Pa.
Application August 5, 1943, Serial No. 497,469
3 Claims. (Cl. 299—95)



1. In apparatus for producing air colloids, a liquid container for retaining under pressure the propellant and the material to be distributed in colloidal form, a discharge control member connected to the lower end of said container, said discharge control member including a thin cap having a discharge orifice of frusto-conical shape decreasing in diameter towards the discharge end thereof, the interior of said cap being exposed to the full pressure of the liquid in the interior of the container and the exterior of said cap being exposed to the atmosphere.

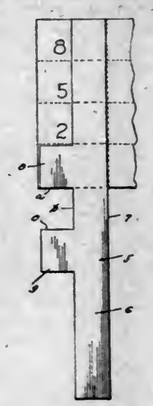
2,355,551
WATER HEATER
Martin J. O'Neill, Ottawa, Ill., assignor to Jack Baldwin O'Neill, Sarasota, Fla., Richard Albert O'Neill, Toledo, Ohio, Martin James O'Neill, Jr., Sarasota, Fla., and Robert Joseph O'Neill, Ottawa, Ill.
Application May 19, 1941, Serial No. 394,188
4 Claims. (Cl. 122—32)



1. In a water heater, the combination with a hot water tank having inlet and outlet pipes connected therewith, of heating means, and a water heating loop extending from said heating means, with an enlarged straight portion extending vertically through the tank, the enlarged straight portion of the loop within the tank being of a length substantially equal to the inside length of the tank, and closed at its top and bottom, said enlarged straight portion being provided with an aperture adjacent the upper end of said water tank, said aperture serving when the tank is filled to admit water therefrom to completely fill the loop and equalize the pressure in the tank and the loop when heat is applied to the latter, but preventing any substantial movement of the water from the loop into the tank.

2,355,552
STAMP REMOVAL GUIDE
Carl Norman Otte, Durham, Conn., assignor of fifty per cent to Helena Anna Otte, Durham, Conn.
Application June 11, 1943, Serial No. 490,521
1 Claim. (Cl. 33—83)

A guide to facilitate removal of one or the simultaneous removal of several stamps from a sheet of stamps of uniform size, comprising a rigid flat strip-like member having a uniform width from end to end equal to that of the stamps and a length equal to the combined lengths of several of the stamps, one longitudinal edge of said member being uninterrupted, and a plurality of spaced plate-like protuberances integral with and projecting laterally from the other longitudinal edge of said member, each protuberance and the space between adjacent protuberances being of the same area as that of one of the stamps, said other edge having an un-interrupted portion extending from one protuberance to an

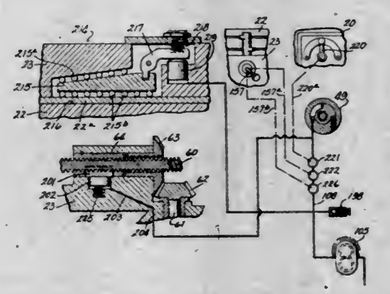


end of the member and of a length equal to the combined lengths of several of the stamps.

2,355,553
METHOD OF TREATING WOOD
Kermeth L. Owens and George K. Owens, Payson, Ariz.
No Drawing. Application March 3, 1941, Serial No. 381,592
12 Claims. (Cl. 144—309)

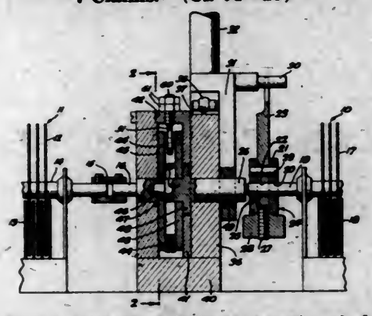
5. Western yellow pine lumber having therein sharply contrasting streaks of light and dark color, including brown, red-brown, grey-blue and yellow, formed from the natural constituents of the wood.

2,355,554
TRANSMISSION AND CONTROL MECHANISM
Fred A. Parsons, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application April 17, 1940, Serial No. 330,051
7 Claims. (Cl. 90—22)



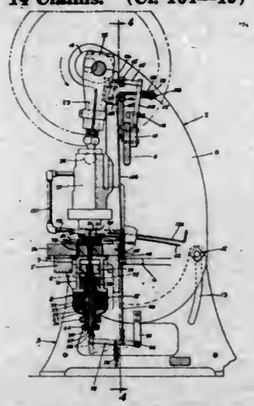
2. In a transmission and control mechanism the combination of a power train including a pair of transmission elements relatively adjustable for elimination of lost motion therebetween, said train including a hydraulically operable torque responsive device, and channel and piston hydraulic means connecting said device for adjustment of said elements.

2,355,555
TESTING FIXTURE
Christian Paulson, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 24, 1943, Serial No. 484,504
7 Claims. (Cl. 74—10)



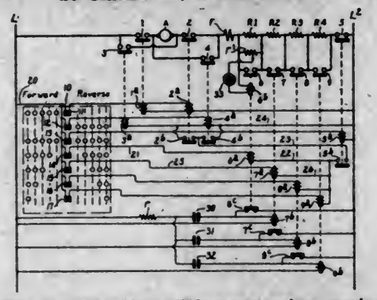
1. In an adjusting fixture, a pair of driven shafts, a common actuator for said shafts, means positively connecting one driven shaft to the actuator for rotation thereby, and a variable connection between the actuator and the other shaft including means positively connected to the positively driven shaft, a pin mounted eccentrically of the shaft on the means positively connected to the driven shaft, a connector driven by said pin and connected to the said other shaft, and means for controlling the degree of eccentricity of movement of said connector to control its effect as a connector.

2,355,556
CUSHION BLANKING DIE
Roswald Peterson, Minneapolis, Minn., assignor to Dayton Rogers Manufacturing Co., Minneapolis, Minn., a corporation of Minnesota
Application October 30, 1942, Serial No. 463,970
14 Claims. (Cl. 164—19)



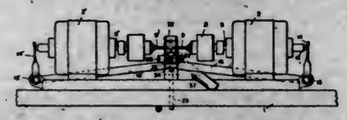
1. A punch press including a bolster plate, a ram and a die cushion, a punch holder supported on the bolster plate, a punch on the punch holder, a die plate supported over the punch, means for guiding the material to be punched between the punch and die plate, said punch holder having a plurality of stripper pin holes therein arranged in closely spaced relation over an extended zone of use thereof whereby a plurality of stripper pins may be placed in holes adjacent punch peripheries of varying sizes and shapes, whereby the stripping pressure exerted against the die plate to strip the die from the punch is uniformly distributed on the die around the die opening, and a knockout pin for ejecting the stamping from the die plate.

2,355,557
CONTROLLER FOR ELECTRIC MOTORS
Guy R. Radley, Whitefish Bay, and Edwin W. Seeger, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 23, 1943, Serial No. 473,308
10 Claims. (Cl. 172—179)



3. The combination with a reversing controller for electric motors affording plugging of the motor and comprising means functioning incidental to plugging to afford a given resistance of the plugging circuit, of means affording automatic control of the former means to maintain such given resistance for a temporary period and then to effect a predetermined reduction in such resistance prior to slowdown of the motor to zero speed, the second mentioned means comprising for governing its aforementioned resistance maintaining and reducing actions current conducting means which varies in degree of conductivity with variation in voltage and which is subjected to a voltage proportional to that of the plugging circuit, current conducting means which is subjected to a voltage proportional to the voltage of the plugging circuit and which normally is non-conducting, remaining non-conducting pending increase in voltage to given value and then remaining conducting pending drop in voltage to a given lower value, said current conducting means also having the characteristic of affording within the range of voltage variation resulting from plugging substantially different degrees of conductivity for proportional changes in voltage.

2,355,558
DIRECT DRIVE ELECTRIC POWER TOOL
William E. Raney, Shaker Heights, Ohio, assignor of one-half to Woods King, Mentor, Ohio
Application April 22, 1943, Serial No. 484,083
2 Claims. (Cl. 77—21)



1. A mechanism for axially feeding a power driven rotary cutting tool, comprising a rotary tool, such as a drill or the like, mounted on one end of an axially shiftable drive shaft, said shaft also forming the rotor shaft of an electric drive motor and being fixed to the motor rotor, the magnetic force generated in the drive motor during operation normally tending to hold said shaft in a given axial position, and manually operated means connected to said shaft for axially shifting the shaft and the motor rotor together with said tool into work cutting position and against such magnetic force.

2,355,559
COVER FOR CONTAINERS
Frank Renner, Chicago, Ill., assignor to Renner & Company, Chicago, Ill., a corporation of Illinois
Application November 6, 1940, Serial No. 364,488
5 Claims. (Cl. 229—8)



1. As a new article of manufacture, a presentation novelty comprising a plurality of superimposed, transparent sheets formed with an embossed or dished partially rigid central portion, and a wavy, frilly portion surrounding said central portion, said sheets being fused together peripherally around said dished portion.

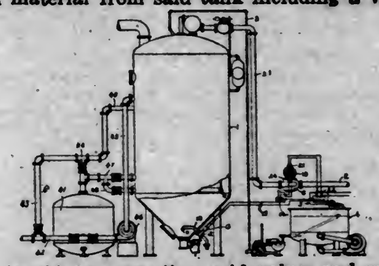
2,355,560
ELECTRICAL COUPLING DEVICE
Wesley M. Roberds, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1943, Serial No. 477,474
16 Claims. (Cl. 175—356)



1. An electrical coupling device comprising a pair of inductively related windings, one of said windings comprising a plurality of parallel connected, substantially spiral, conductive elements physically spaced from each other, and the other of said windings comprising a continuous, substantially spiral conductor disposed in the spaces between said elements.

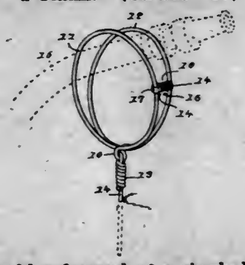
2,355,561
WATER TREATING APPARATUS
Merrill P. Robinson, Upper Montclair, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application July 13, 1942, Serial No. 450,732
4 Claims. (Cl. 210—16)

1. In a water treating apparatus, the combination, of a precipitating tank having an inlet for untreated water and an outlet for treated water, means for delivering raw untreated water to said precipitating tank, a meter for measuring raw untreated water delivered to said precipitating tank, means for removing precipitated foreign material from said tank including a valve,



a solenoid for operating said valve, and means operated by said meter and operatively connected to said solenoid for energizing and de-energizing said solenoid whereby said opening and closing of said valve will be wholly controlled by the flow of raw water through said meter.

2,355,562
HOSE HOLDER
William L. Rombach, Highland Park, Mich.
Application June 14, 1943, Serial No. 490,802
1 Claim. (Cl. 248—87)



A hose holder formed of a single length of resilient wire bent to form a U-shape bight and from thence directed to provide a pair of clamping rings arranged in upwardly diverged relation, the ends of the strands forming the rings being passed through the U-shaped bight and twisted together below the bight, one strand being of greater length than the other to extend below the twisted portion and forming an anchoring prong, a helical spring disposed transversely between the rings, and strap metal loops slidably receiving the rings and fixedly connected to the terminal convolutions of the spring, said spring being slidable upward or downward on the rings to draw the rings closer together or expand the rings farther apart at their upper portions and also holding the strap metal loops in adjusted position on the rings.

2,355,563
ISOMERIZATION PROCESS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 5, 1942, Serial No. 460,850
7 Claims. (Cl. 260—683.4)

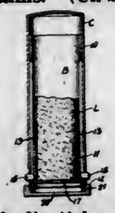
1. In a process for the isomerization of normal paraffins with a metal halide catalyst of the Friedel-Crafts type which causes corrosion and erosion of metallic equipment and wherein hydrocarbon mixtures containing said catalyst con-

tact metallic equipment under conditions normally resulting in corrosion and erosion of such equipment, the improvement which comprises preventing said corrosion by wetting the surfaces of said equipment with a high-boiling non-aromatic essentially paraffinic oil.

2,355,564
WATER TREATING APPARATUS
Joseph F. Sebald, Bloomfield, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application July 9, 1942, Serial No. 450,264
11 Claims. (Cl. 210—16)

1. In a water treating and purifying apparatus, a water treating receptacle including a sedimentation portion and a treated water collection portion, said receptacle having an inlet into said sedimentation portion, and a Venturi tube having its discharge connected to said inlet, a supply pipe for raw water to be treated connected to the inlet of the said Venturi tube, means for delivering chemicals into said raw water prior to its entrance into said Venturi tube whereby the raw water and chemicals will be thoroughly mixed prior to their entrance into said receptacle, and a connection between said Venturi tube and said sedimentation portion for receiving slurry from the sedimentation portion and delivering it to said Venturi tube for mixture with the raw water and chemicals, and means for recirculating a part of the treated water from said collection portion back through said Venturi tube.

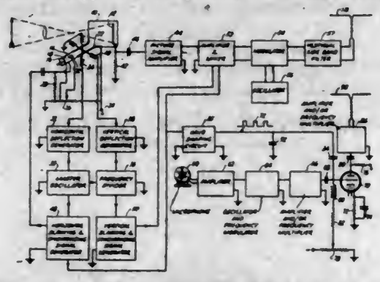
2,355,565
LIPSTICK CASE
Daniel Marc Sée, Ridgefield, Conn.
Application November 26, 1941, Serial No. 420,458
5 Claims. (Cl. 206—56)



1. A retractable lipstick case of the refillable type comprising a resilient flexible casing member, said casing member having a pair of diametrically opposite longitudinal slits formed therein, said slits extending to the bottom of said casing member, a lipstick holder slidably mounted within said casing member, said lipstick holder having a pair of diametrically opposite pintles projecting from the wall of said holding member, said pintles slidably engaging the longitudinal slots and flexing said casing member, a cap member, said cap member having means adapted to engage the lower edge of said casing member, said cap member being locked in position at the lower end of the casing member when the holder is below its topmost position relative to said casing.

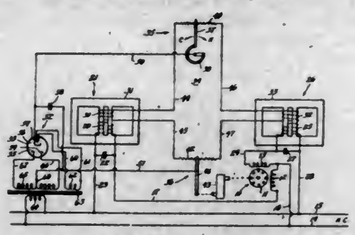
2,355,566
TELEVISION SYSTEM
Robert E. Shelby, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1941, Serial No. 425,015
9 Claims. (Cl. 178—5.6)

1. A television transmitting system comprising a source of picture signals, a source of synchronizing signals, means for combining the picture signals and synchronizing signals, a source of radio frequency carrier energy, means for modulating the source of radio frequency carrier by the combined picture and synchronizing signals, a source of audio signals related to the picture signals, a second source of radio frequency carrier energy of a frequency differing from the



frequency of the first radio frequency carrier by a predetermined amount, means for modulating the second radio frequency carrier by the audio frequency, and means to interrupt the transmission of the audio frequency modulated radio frequency carrier during the intervals when the first radio frequency carrier is modulated by picture signals.

2,355,567
CONTROL APPARATUS
Hubert T. Sparrow, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 18, 1942, Serial No. 451,433
27 Claims. (Cl. 172—239)



12. A motor control system, comprising in combination, a motor having a pair of field windings adapted when supplied with alternating electrical currents displaced in time phase to cause rotation of said motor, impedance means connected in series with each of said windings, said impedance means comprising, for each winding, a capacitive element and an inductive element connected in parallel and normally tuned to resonance, and means for simultaneously and oppositely varying the tuning of said impedance means so as to render one capacitive and the other inductive.

2,355,568
VIBRATION DAMPED PANEL
Frank M. Smith, Dearborn, Mich., assignor, by mesne assignments, to Consolidated Aircraft Corporation, San Diego, Calif.
Application May 29, 1941, Serial No. 395,895
9 Claims. (Cl. 154—44)

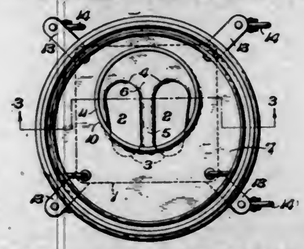
1. A vibration damped structure comprising, in combination, a relatively thin sheet metal vibratile panel, and an adherent coating of vibration damping material forming a unitary

part thereof and arranged to provide a spot of material area positioned centrally of said panel and strips outwardly therefrom arranged about



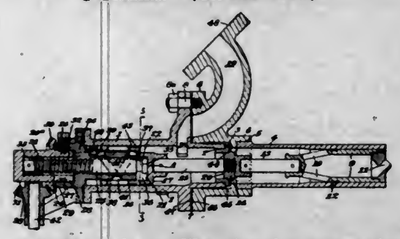
said spot as a center and spaced from one another radially of said central spot in all directions, and from said central spot, by areas substantially free of said material.

2,355,569
INFANT EXERCISER
Henry J. Smith, Philadelphia, Pa.
Application February 16, 1942, Serial No. 431,099
2 Claims. (Cl. 155—22)



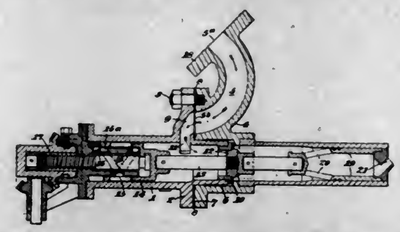
1. An exerciser comprising a seat and an apertured table spaced therefrom, said table having a waistband connected therewith and said seat containing a pair of oblong leg apertures having their front edges extending horizontally beyond said waistband and said waistband extending horizontally beyond the rearward edges of said leg apertures.

2,355,570
TUBE CLEANING APPARATUS FOR BOILERS AND THE LIKE
Frank George William Spears, Potters Bar, England, assignor of one-half to Charles Fletcher Lumb, Kingston Hill, England
Application June 25, 1942, Serial No. 448,458
In Great Britain August 13, 1941
5 Claims. (Cl. 122—392)



1. A boiler tube or like cleaning apparatus of the character described including a steam chest in the form of a tubular casing, one end of which is provided with a valve seat, a tubular extension separate from the casing and in alignment therewith and adjacent the valve seat, a steam ejector including a nozzle slidably mounted in the extension and provided with a stem, a valve including a head associated with the valve seat and also provided with a stem and in fixed connection with the stem of the nozzle, a piston in the steam chest and in alignment with the valve and the nozzle and fixed to the stem of the valve, an internally threaded nut mounted in the end of the casing remote from the valve, an operating spindle passing through said nut and having a threaded portion engaged with the internal screw threads on the nut, interengaging means on the spindle and piston arranged to provide for relative rotative movement between the spindle and piston and to impart reciprocative movement of the spindle to the piston, and cooperative means between the piston and chest for first guiding the piston in an axial direction and then in a helical direction, and vice versa, depending upon direction of the rotation of the spindle for effecting preliminary opening and final closing of the valve, and the steam chest having a steam inlet opening situated between the valve and the piston.

2,355,571
TUBE CLEANING APPARATUS FOR BOILERS AND THE LIKE
Frank George William Spears, Potters Bar, England, assignor of one-half to Charles Fletcher Lumb, Kingston Hill, England
Application June 25, 1942, Serial No. 448,459
In Great Britain August 13, 1941
3 Claims. (Cl. 122—392)

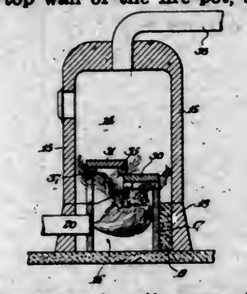


1. A boiler tube or like cleaning apparatus of the character described including a steam chest provided adjacent one end with a lateral steam inlet, an ejector nozzle extending longitudinally from the chest, a valve carried by the nozzle for removably closing the adjacent end of the chest, a relatively fixed steam branch casing formed with two angularly disposed bores one of which serves to conduct the steam from the main supply pipe to the lateral inlet in the steam chest while the other is in alignment with and serves to removably receive the ejector nozzle and removably support the inner end of the steam chest, the said bores at the end thereof which connects with the steam chest terminating at a single end face of the steam branch casing whereby a single packing or face serves to effect a steam-tight joint between the steam branch casing and the steam chest, the said joint lying in one and the same plane.

2,355,572
COMBUSTION CHAMBER
John F. Straitz, Philadelphia, Pa., assignor to National Airoil Burner Company, Incorporated, a corporation of Delaware
Application April 29, 1943, Serial No. 484,980
1 Claim. (Cl. 110—97)

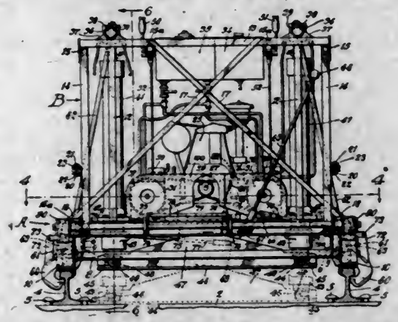
In combination with a furnace having a combustion chamber in the lower part thereof and a heating chamber in the upper part thereof, the combustion chamber comprising a fire-pot formed of refractory sections open to the heating chamber and a pair of segmental baffle lids, each provided with at least three supporting legs,

all of the legs of one segment resting directly upon the top wall of the fire-pot, and two legs



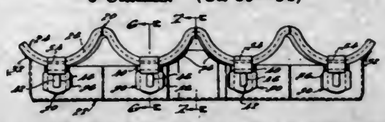
of the other segment resting upon the first segment, and the other leg resting directly upon the top of the wall of the fire-pot.

2,355,573
TRACK LIFTER
Henry H. Talboys and Helmer E. Erickson, Milwaukee, Wis., assignors to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application January 7, 1942, Serial No. 425,844
11 Claims. (Cl. 104—9)



1. In a track lifting device, a frame, rail engaging and frame supporting means on said frame, rail lifting hook elements, means for moving said hook elements into and out of rail engaging position, elevator means, motor means for actuating said elevator means, and means for controlling said motor means, including a movable platform adapted to support the operator.

2,355,574
SHELL CHARGER
Willard F. Thoma, Detroit, and Fred W. Beyer, Grosse Pointe, Mich., assignors to National Stamping Company, Detroit, Mich., a corporation of Michigan
Application December 18, 1941, Serial No. 423,542
9 Claims. (Cl. 89—34)



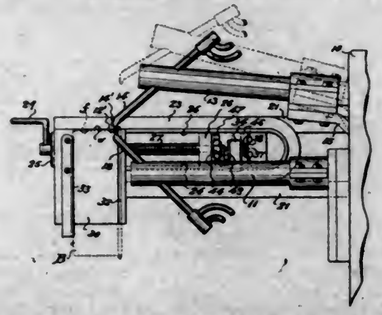
1. A shell charger comprising, in combination, a strip of metal formed to provide a plurality of upwardly opening partially circular seats, a sheet metal member of substantially the same length as the first mentioned member underlying the first mentioned member and rigidly fixed thereto, said second member having laterally spaced wall portions, a pin slidably supported between said spaced wall portions in line with each of said seats, spring means constantly urging said pins in one direction, and a clip secured to one end of each of said pins and arranged in cooperative relationship with respect to the lower portion of the associated seat.

2,355,575
GIRDLE AND CORSET STAY
Coral H. Van Allan, Elmira, N. Y.
Application September 19, 1942, Serial No. 458,987
3 Claims. (Cl. 2—313)



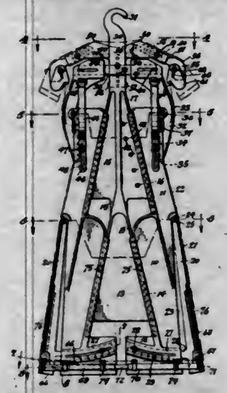
1. A new article of wearing apparel to be used in combination with a corset, girdle, abdominal belt or the like to prevent the girdle or the like sliding upwardly when stockings are not used as an anchoring means, comprising a resilient thigh-encircling band shaped to conform to the normal taper of the thigh and formed of front, side and rear portions; the said front portion formed of several trapezoidal sections, each side formed of a triangular shaped section and the rear portion formed of at least one trapezoidal section, wherein a front trapezoidal section and the triangular sections are capable of stretching in a vertical and circumferential direction and the remaining sections are incapable of stretching in a vertical direction.

2,355,576
WORK FEEDING AND SPOT SPACING CONTROL FOR ELECTRIC SPOT WELDING MACHINES
Harry A. Werfel, Essex Fells, N. J.
Application May 25, 1943, Serial No. 488,330
6 Claims. (Cl. 219—4)



1. In a spot welding machine having cooperative welding electrodes, an electrically insulated movable work holding means for moving the work to be welded while operatively engaged by said electrodes, a rotatable feed screw for continuously advancing said work holding means and the work carried thereby, an electrical circuit make and break switch means for controlling delivery of energizing current to said electrodes while operatively engaged with the moving work, said switch means having an oscillatable actuating lever means, and a cam actuated by rotation of said feed screw for oscillating said switch means actuating lever all whereby selected pitch of the feed screw and/or selected shape of the cam determines relative spacing of the succession of produced spot welds.

2,355,577
ADJUSTABLE GARMENT SHAPING FORM
Harry Z. White, Buffalo, N. Y.
Application April 8, 1943, Serial No. 482,228
4 Claims. (Cl. 223—68)

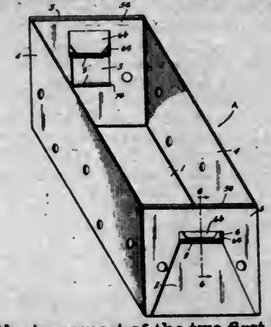


1. An adjustable garment shaping form, comprising body sections adapted to engage the sides of the garment, wedge means for moving said body sections laterally relative to one another and including an upwardly projecting neck, a yoke extending across said neck and adapted to engage the shoulders of the garment, a slide carrying said yoke and movable vertically on said neck, and means for guiding and clamping said slide on said neck.

2,355,578
CONTAINER
Benjamin M. Williams, St. Louis, Mo., and Fred L. Rushing, Tampa, Fla., assignors to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application April 5, 1943, Serial No. 481,838
12 Claims. (Cl. 229—45)

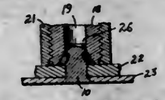
1. A carton comprising a body having side walls with end flaps that are overlapped to form two-ply end walls, said end walls having vertically spaced openings extending therethrough, said body having a bottom panel with end flaps that extend upwardly alongside the outside faces of said end walls, thence inwardly through the uppermost openings, and thence downwardly alongside the inside faces of said end walls and into said lowermost openings.

12. A carton comprising a body having two flaps that are overlapped to form a wall thereof with a hand hole therethrough and an opening below said hand hole, said body having a third flap that is disposed alongside the outer face of said wall and covers the opening therethrough, said third flap having a prescored locking tab that extends through said hand hole and is bent downwardly over the lower edge thereof along the inside face of said wall and tucked in said



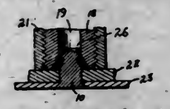
opening, the innermost of the two first mentioned flaps having a flap depending from the upper edge of said hand hole and normally substantially closing the same.

2,355,579
METHOD OF RIVETING
George S. Wing, Hermosa Beach, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application July 31, 1942, Serial No. 452,999
2 Claims. (Cl. 78—46)



1. The method of applying a head to a securing pin having an annular groove and a shearing edge, comprising placing a malleable collar around the grooved portion of said pin, compressing said collar into the groove, and shearing off excess material thereof against said shearing edge.

2,355,580
HIGH SHEAR RIVET
George S. Wing, Hermosa Beach, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application October 25, 1943, Serial No. 507,546
5 Claims. (Cl. 85—37)



1. A device for establishing a riveted joint between a pair of members having aligned holes therein, said device comprising a substantially non-upsettable rivet pin having a shank extending through said holes, having a head at one end adapted to engage one of said members, and having at its other end a shearing edge and an undercut annular shoulder subtending, with the axis of the pin, an angle greater than 45°, and a malleable collar adapted to encircle said shank and to bear at one end against the other of said members, the other end of said collar being adapted to be contracted into said groove and to bear against said shoulder with an abutting engagement such that tensile stress on said pin and compression in said collar will have a relatively large axial component and a relatively small radial component.

2,355,581
PROCESS OF MAKING NICKEL-COPPER ALLOY CASTINGS
Edmund Merriman Wise, Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 16, 1942, Serial No. 443,281
4 Claims. (Cl. 75—170)

1. In the process of making a nickel-copper alloy casting, that improvement which comprises melting down lead-contaminated scrap and adding zirconium to the lead-containing molten bath in such an amount as to leave a residue within the range of about 0.02% to 1% in the finished alloy casting thereby substantially overcoming the delterious effect of lead on the high temperature properties of the casting.

2,355,582
COUNTERBORE AND SPOT-FACER TOOL
Edward A. Zempel, Milwaukee, Wis.
Application March 17, 1943, Serial No. 479,456
2 Claims. (Cl. 77—73.5)



1. A counterbore and spot facer comprising a cylindrical body having an annular head formed on its forward end and a shank on its rear end, said body and head being provided with a diametrically extending blade receiving slot and said body being threaded from the head to a point beyond the slot, a centering and guiding rib at the forward end of said slot having seats on the opposite sides thereof, the rib extending transversely across the slot, a flat blade positioned in said slot and having formed therein a longitudinally extending slot extending substantially the full length thereof for receiving the rib, the slot in the blade defining cutting edges at the forward end of the blade and on the opposite sides of the slot, and a nut threaded on the body to engage with the rear end of the blade for moving the blade forwardly into engagement with said seats, the adjusting nut having its forward face provided with a tapered recess and tapered shoulders formed on the rear end of the blade adapted to be engaged by the tapered face of the recess.

2,355,583
DECORATIVE CONTAINER CAP
Philip A. Derham and Jesse H. Newport, Jr., Rosemont, Pa., assignors to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application November 25, 1940, Serial No. 366,996
4 Claims. (Cl. 220—39)

1. A two-part cap for a collapsible tube having a cylindrical body and having a conical shoulder and an externally threaded neck, said cap comprising a cup-shaped outer part having a flat circular end wall of uniform thickness, and having a peripheral generally cylindrical flange of substantially uniform thickness, an inner internally threaded cap part frictionally secured in and axially slidable to a limited extent in said opening and projecting past the end wall a selected distance in at least one axial direction to expose to view when the cap is in use a predetermined area of the surface of said inner part, said outer part being of a selected outer diameter to correspond to the diameter of the body of a selected collapsible tube and covering and concealing the shoulder of the tube with the end



edge which is remote from said end wall in pressed contact with the shoulder of the tube when the cap is in place on the tube, and a yieldable liner in the inside of the inner cap part at the outer end of the threaded portion thereof, said liner engaging the extreme end of the tube neck when said neck is screwed into the inner cap part, said inner part sliding downwardly relatively to the tube neck and to the outer cap part when the inner part is screwed further on to the neck after the outer part is in contact with the tube shoulder, to insure sealing contact of the outer end of the tube neck with said liner, said inner part comprising the sole means supporting the outer part.

2,355,584
TUBULAR CONTAINER
Morris D. Douglas, Willoughby, Ohio, assignor to The Cleveland Container Company, Cleveland, Ohio, a corporation of Ohio
Application May 15, 1939, Serial No. 273,669
7 Claims. (Cl. 138—78)



1. As an article of manufacture, a container comprising an outer supporting tube and an inner relatively impervious liner comprising an outer lamina of substantially vapor-proof foil and an inner lamina of substantially water-proof film adhered to and covering said foil, said outer supporting member being relatively rigid with respect to said liner.

2,355,585
BEAM COMPASS
Laban Richard Halstead, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware
Original application August 8, 1941, Serial No. 405,924. Divided and this application April 3, 1943, Serial No. 481,730
1 Claim. (Cl. 33—159)

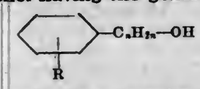
A connector for a beam compass extension, wherein the beam section is generally circular and the beam has a longitudinally extending flat surface, comprising a sleeve anchored on the beam adjacent one end thereof and in generally co-axial relation therewith, a strip of resilient material having an end portion anchored in the sleeve, the said strip having a flat surface arranged adjacent the said flat surface of the beam and extending longitudinally beyond the said end thereof, said sleeve being arranged to receive an end of an extension member corresponding with the end of the said beam and in abutting relation therewith, a portion of the said surface of said strip being arranged for orienting the said extension member upon its being inserted in the



sleeve to a position corresponding to the position of said beam, and means on the said sleeve for securing the said extension member in end-to-end abutting relation with said beam and comprising a clamp member mounted on the sleeve for movement in a generally radial direction and operable to engage a portion of said strip whereby to cause adjacent surfaces of said strip and said extension member to be brought into clamping engagement with one another and to be maintained in such engagement.

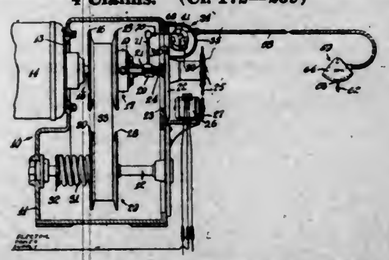
2,355,586
PREPARATION OF ALICYCLIC-ALKYL HALIDES
Ralph P. Perkins, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 15, 1940, Serial No. 365,768
8 Claims. (Cl. 260—648)

1. The method of making an alicyclic-alkyl halide which comprises dehydrating an aryl-aliphatic alcohol having the general formula:



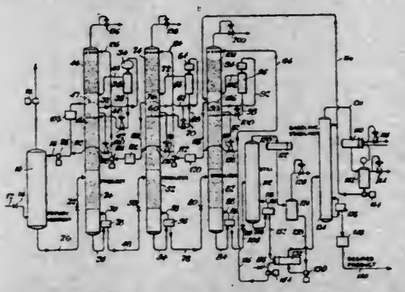
wherein R represents a member of the group consisting of hydrogen and lower alkyl radicals, n is an integer greater than one and less than 5, and the hydroxyl group is attached to a primary carbon atom, to form a corresponding ether, hydrogenating the latter to form a bis-(alicyclic-alkyl) ether and reacting said ether with a hydrohalic acid to form an alicyclic-alkyl halide.

2,355,587
REMOTE CONTROL MECHANISM
Paul B. Reeves, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application March 30, 1942, Serial No. 436,816
4 Claims. (Cl. 172—239)



1. In a control mechanism for a reversible electric motor, a forward energizing circuit for said motor, a normally open switch dominating said circuit, a member movable to close said switch, a reversing energizing circuit for said motor, a second normally open switch dominating said reversing circuit, a member movable to close said second switch, a carriage mounted for oscillation about a fixed axis, two angularly spaced, peripherally extending guides provided on said carriage and lying in a common circle concentric with the axis of oscillation of said carriage, means mounting said switches respectively on said guides for relative adjustment peripherally of said carriage, an actuator mounted for coaxial oscillation with respect to said carriage, said actuator being provided with oppositely-projecting, peripherally extending fingers concentric with the common axis of oscillation of said carriage and actuator, means for swinging said carriage in one direction relative to said actuator to engage the movable member of said first-named switch with one of said actuator fingers to move said member to close said switch, and for swinging said carriage relative to said actuator in the opposite direction to engage the movable member of said second switch with the other of said actuator fingers to move said member to close said second switch, and means providing a driving connection between said motor and said actuator whereby closure of said first-named switch energizes said motor to cause movement of said actuator in a direction to disengage the movable member of said first-named switch, while closure of said second switch energizes said motor to cause movement of said actuator in the opposite direction to disengage the movable member of said second switch.

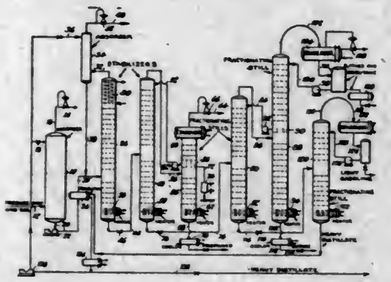
2,355,588
EXTRACTION OF HYDROCARBONS FROM NATURAL GAS
David G. Brandt, Westfield, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application October 9, 1940, Serial No. 360,401
10 Claims. (Cl. 196—8)



1. A process of separating desired hydrocarbons from undesired hydrocarbons contained in gas comprising passing the gas through a hydrocarbon oil absorbing menstruum in a primary absorber maintained at a pressure above the critical pressure of the hydrocarbons being separated to absorb the desired hydrocarbons of the gas, continuously removing the rich absorption oil from the absorber and reducing the pressure of the oil in a succession of stages while heating the oil in each stage, controlling the pressure reduction and the heating of the oil in the stages to distil overhead substantially only the absorbed undesired hydrocarbons in each stage, removing desired hydrocarbons from the absorption oil after the pressure has been reduced to provide a lean oil, passing the lean oil consecutively into and

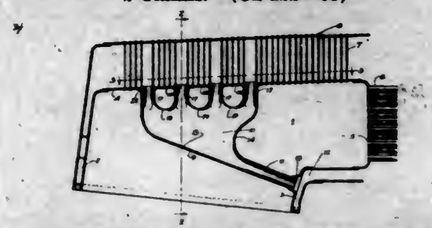
through a series of absorbers maintained at progressively higher pressures corresponding approximately to the pressures of the various stages in contact with the undesired hydrocarbons separated in the various stages to saturate the lean oil with the undesired hydrocarbons, and returning the resulting presaturated oil to the primary absorber to contact the gas therein.

2,355,589
METHOD OF RECOVERY OF LIGHT HYDROCARBONS
David G. Brandt, Westfield, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application January 22, 1942, Serial No. 427,765
3 Claims. (Cl. 62—175.5)



2. In the fractionation of hydrocarbon mixtures containing C_3 and C_4 hydrocarbons and hydrocarbons of gasoline boiling range in which the fractionation is carried out for the purpose of producing C_3 and C_4 fractions which are substantially free of constituents of higher and lower molecular weight, the improvement which comprises passing a hydrocarbon mixture to be fractionated containing C_3, C_4 and gasoline boiling range hydrocarbons which is substantially free of but contains traces of C_2 hydrocarbon into a fractionating column in which the mixture is subjected to rectification under controlled temperature and pressure conditions adapted to produce a bottoms product substantially free of C_2 and C_3 hydrocarbons and an overhead vapor fraction consisting essentially of C_3 and C_2 hydrocarbons but which is substantially free of C_4 hydrocarbon, introducing the said vapor fraction directly into the midportion of a second fractionating column in which the vapor mixture is rectified under conditions adapted to eliminate the C_2 hydrocarbon overhead, withdrawing a liquid C_3 hydrocarbon fraction from the bottom of said second column, passing the bottoms product from said first-mentioned fractionating column which is substantially free of C_2 and C_3 hydrocarbons into a third fractionating column and therein rectifying the same under conditions adapted to remove overhead a vapor fraction consisting essentially of C_4 hydrocarbon, passing the C_4 hydrocarbon vapor fraction into the midportion of a fourth fractionating column and therein rectifying the vapor mixture under conditions adapted to produce an overhead C_4 fraction which is substantially free of normal butane, withdrawing a condensate from said fourth fractionating column at a point above the point of introduction of said C_4 hydrocarbon vapor fraction and introducing it into the upper portion of said third fractionating column to provide reflux therein.

2,355,590
FIREBOX SIPHON
Thomas H. Fawcett, Philadelphia, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application March 12, 1941, Serial No. 382,953
2 Claims. (Cl. 122—68)



1. In combination, a fire box having a crown sheet and front water leg, and a siphon formed of a relatively large body having an inlet neck at its lower part communicating with said front water leg and having a plurality of outlet necks at its upper part for connection to the crown sheet, said body portion having a lowermost wall which curves upwardly to form the back end of the siphon while the top of said inlet neck curves in a reverse direction toward the front of the fire box and then curves upwardly to form the front edge of the siphon, and at least certain of said outlet necks being of tubular formation and including said front and rear edges of the siphon.

2,355,591
FLUSHING OILS
Marcellus T. Flaxman, Inglewood, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application January 14, 1941, Serial No. 374,369
22 Claims. (Cl. 252—33)

1. A flushing oil comprising a major proportion of mineral lubricating oil fraction, between about 10% and 35% of water, and between about 5% and 15% of an alkali metal petroleum sulfonate.

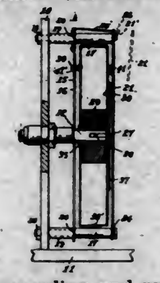
2,355,592
SURFACE-ACTIVE AGENT
Milton Kosmin, Van Buren Township, Montgomery County, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application March 30, 1942, Serial No. 436,771
4 Claims. (Cl. 260—470)

2. Di-n-hexyl alkali metal sulfophthalates.

2,355,593
2-PHENYL, 4-HYDROXY ANILINE AND COMPOSITIONS THEREOF
Gennady M. Kosolapoff, Dayton, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application April 9, 1941, Serial No. 387,691
5 Claims. (Cl. 260—571)

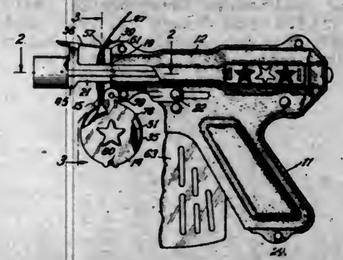
1. The process of producing 2-amino-5-hydroxydiphenyl comprising reducing 2-nitrodiphenyl by the action of an aqueous suspension of zinc in the presence of a common solvent to produce 2-hydroxylaminodiphenyl, then effecting a re-arrangement of said hydroxylaminodiphenyl by treatment of the same in an aqueous solution of sulfuric acid.

2,355,594
FILM REEL
Jacob Miles Kuhlik, Brooklyn, N. Y., assignor to Hattie B. Kuhlik, Brooklyn, N. Y.
Application July 4, 1942, Serial No. 449,713
5 Claims. (Cl. 242—55)



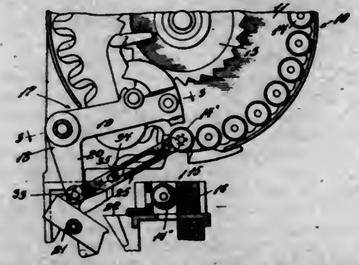
2. In a sound recording and reproducing machine, a casing, a plate fixed on said casing, a spindle rotatably mounted on said plate and having a bifurcated end portion, a spool member rotatably supported on said spindle including a cylindrical body portion having a central bore, a sleeve member fastened in said bore and having its ends extending beyond the sides of the body portion and a pin extending across the central opening in said sleeve for coacting with the bifurcated end portion of said spindle for rotating the spool member and a frame formed of a narrow flat strip of rigid metal encircling said body portion including spaced walls loosely mounted on the extending ends of the sleeve and a pin member on one wall of said frame for insertion into an opening in a fixed portion of said casing for positioning said frame on the casing and for preventing rotation of the frame on the sleeve.

2,355,595
PAPER BREAKING GUN
Otto A. Langos, Chicago, Ill., assignor to Alfred F. Langos, Otto E. Langos, Harold L. Langos, Louis A. Langos, and Matilda R. Langos, partners, doing business as Langson Manufacturing Co., Chicago, Ill.
Application May 10, 1941, Serial No. 392,854
2 Claims. (Cl. 46—195)



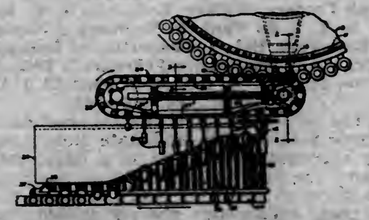
1. In an air gun including a cylinder having an inwardly extending flange at one end to provide an opening as an outlet therefrom, and employing burstable firing material, the improvement which comprises means for supporting said firing material to one side of said outlet, and including a mounting portion extending across said outlet and having an aperture therein corresponding to said outlet, said mounting portion having a flange around said aperture and upset to engage the flange forming the opening in the cylinder to mount said firing material supporting means on said gun, a pair of guideways on said mounting portion on opposite sides of said gun, means feeding said burstable material across said outlet, and means movable substantially axially of said outlet for sealing a portion of said burstable material across said outlet, said sealing means having a pair of guide arms integral therewith, with each guide arm being slidably supported in a corresponding one of said guideways.

2,355,596
HOLDER FOR BOBBINS IN TRANSFER MECHANISM
Theodore J. Levesque, Fall River, Mass., assignor of one-third to Benjamin Horvitz and one-third to Barney Prebluda, both of Fall River, Mass.
Application February 5, 1944, Serial No. 521,199
4 Claims. (Cl. 139—251)



1. In a loom having a hopper stand and a rotary hopper mounted therein for holding a plurality of filling carriers, a lay for confining a shuttle, and a transfer mechanism including a transfer arm for transferring the lowermost filling carrier from the hopper to the shuttle upon exhaustion of the filling on the carrier in the shuttle, said transfer arm having a downwardly projecting arm integral therewith and being disposed at approximately right angles thereto, a member pivoted at the side of said downwardly projecting arm distant from the hopper stand and offset to extend beneath said arm and be located on the side of said arm nearest the hopper stand, said member on the side nearest the hopper stand being slotted and a pin supported on said hopper stand extending into the slot in said member to support it in the movement thereof responsive to the movement of said transfer.

2,355,597
GLASS ARTICLE HANDLING APPARATUS
Leander N. Pond, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 18, 1940, Serial No. 336,021
7 Claims. (Cl. 198—27)



1. In combination, a plurality of article carriers comprising troughs for the receipt of articles in a horizontal position, supports adapted

to receive articles thereover as they are ejected from an associated glass working machine, means for moving said supports to place such articles in a substantially horizontal position in said troughs, and means for shifting said troughs to remove the articles from said supports and for thereafter turning said troughs to deposit the articles in an upright position on an associated support.

2,355,598

METHODS AND SOLUTIONS FOR TREATING FIBERS AND PRODUCTS RESULTING THEREFROM

George M. Rickus, Stanley G. Hoffman, and Samuel C. Carpenter, Jr., Norwalk, and Warren W. Harris, Darien, Conn., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware

No Drawing. Application March 6, 1942, Serial No. 433,622
20 Claims. (Cl. 28—72.3)

11. The process of making a composite felt including the steps of chemically treating nonfur fibers to impart center-seeking characteristics thereto, thoroughly mixing carroted fur fibers with said chemically treated fibers, forming a bat with all of the fibers completely intermingling throughout the thickness thereof, and subjecting said bat to moisture, heat and pressure working until said fur fibers are in large part driven to the exterior of the felt and the other fibers are in large part driven to the center of the thickness of the felt.

16. A sandwich felt comprising outer strata of fur fibers and an inner stratum of chemically treated cotton fibers having interior-seeking characteristics when mixed with said fur fibers, the fur and cotton fibers being intermingled and interfelted at the contacting faces of adjacent strata to provide a composite inseparable felt.

2,355,599

ACID METAL TREATING BATHS

Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 23, 1941, Serial No. 375,657
3 Claims. (Cl. 252—146)

1. The method of removing oxidic foreign matter from the surface of a metal which comprises subjecting a metal article to the action of a non-oxidizing acid bath containing 0.1 to 2% by weight of alpha-trioxymethylene as corrosion inhibitor.

2,355,600

FORMALDEHYDE REACTION PRODUCT AND ITS PREPARATION

Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 7, 1942, Serial No. 429,947. In Canada August 22, 1941
7 Claims. (Cl. 260—500)

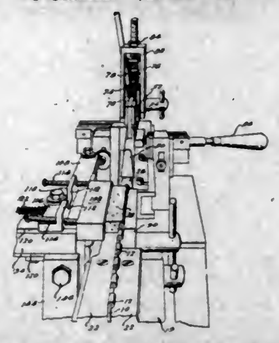
1. The method which comprises reacting formaldehyde with calcium sulfamate under substantially anhydrous conditions in a liquid reaction medium, the amount of said liquid reaction medium being so restricted that the reaction mass is of pasty consistency, the pH of said reaction medium falling within the range 8 to 10, and the temperature maintained during said reaction being below 65° C.

2,355,601

BURRING MACHINE

Roger G. Cudini, Birmingham, Mich.

Application March 22, 1944, Serial No. 527,611
5 Claims. (Cl. 29—33)



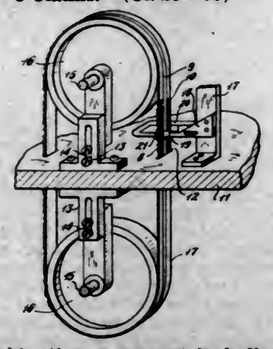
5. A machine for removing the burrs on an elongated metal article comprising a support, guide means on said support for supporting and guiding said article as it moves along said support, a cutter mounted on said support and positioned to engage one side of said article, means resiliently urging said article into engagement with said cutter, an abrasive member disposed above said support and positioned to engage the top surface of said article and having a contour complementary to that of the adjacent surface of said article, means pivotally mounting said member for movement toward and away from said article, means resiliently urging said member into engagement with said article, another abrasive member on said support and positioned to engage said one side of said article and having a contour complementary to that of the adjacent surface of said article, means pivotally mounting said member for movement toward and away from said article and means resiliently urging said another member into engagement with said article.

2,355,602

BAND-TOOL GUIDE

Henry Testo, Cleveland, Ohio, assignor of one-half to Curt B. Muller, Cleveland, Ohio

Original applications December 23, 1941, Serial No. 424,199, and March 28, 1942, Serial No. 436,680. Divided and this application December 30, 1942, Serial No. 470,550
3 Claims. (Cl. 29—76)



1. In combination, a support including a table provided with an aperture, wheels operatively mounted on said support above and below said table respectively, an endless and flexible band integrally fashioned along a portion of one side with file teeth, said band being mounted to travel around said wheels and through said aperture and a backing element carried adjacent to the path of travel of the file-surface side of said band, in contactual apposition to the plain area of the file-surface side of said band and in proximity to the plane of the upper margin of said aperture.

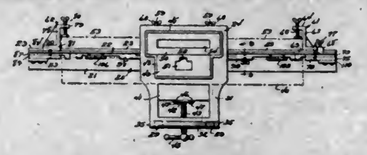
2,355,603

WOODWORKING APPARATUS

Warren B. Zern, Pottstown, Pa.

Application May 29, 1942, Serial No. 445,049
6 Claims. (Cl. 144—27)

2. An apparatus of the type described comprising a work guide member, a guide bar on said member, clamp means for securing work to said member having a groove slidably receiving said guide bar, means for releasably locking the clamp means in set position on the bar, a carrier movable along said member and having a tool guiding templet for confining the field of operation of the tool within a predetermined area on the work, and means acting on said member and said carrier for locating the carrier and said templet in predetermined positions on the work.



DESIGNS

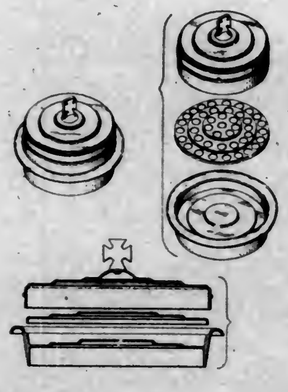
AUGUST 8, 1944

138,432
DESIGN FOR A GARMENT HANGER
Jerome H. Rotheraine, Philadelphia, Pa.
Application April 27, 1944, Serial No. 113,384
Term of patent 7 years
(Cl. D33—8)



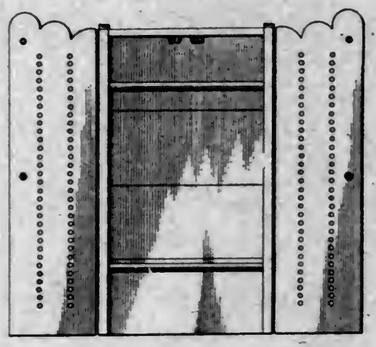
The ornamental design for a garment hanger, substantially as shown.

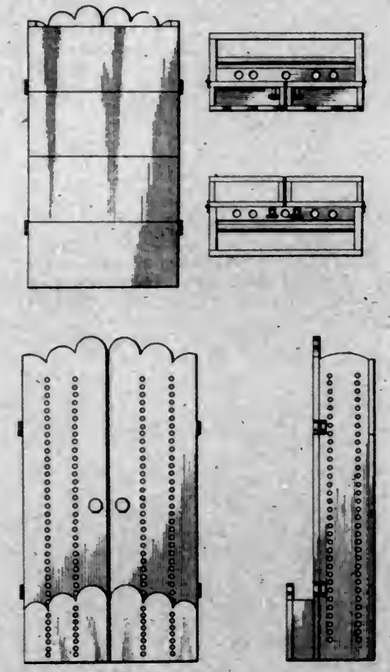
138,433
DESIGN FOR A COMMUNION CUP TRAY
Allan P. Lindblad, Winchester, Mass.
Application June 16, 1944, Serial No. 114,028
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a communion cup tray, substantially as shown and described.

138,434
DESIGN FOR A TOWEL CABINET OR SIMILAR ARTICLE
Martha May Hagedorn, Gresham, Oreg.
Application April 26, 1944, Serial No. 113,379
Term of patent 14 years
(Cl. D33—19)





The ornamental design for a towel cabinet or similar article, as shown.

138,435
DESIGN FOR A DUSTPAN
William Jaffa, Minneapolis, Minn.
Application March 31, 1944, Serial No. 113,099
Term of patent 7 years
(Cl. D44—18)



The ornamental design for a dustpan, as shown.

138,436
DESIGN FOR AN IMPLEMENT SHED
Elmer F. Clark, Kansas City, Mo., assignor to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application May 25, 1944, Serial No. 113,752
Term of patent 14 years
(Cl. D13—1)



The ornamental design for an implement shed, substantially as shown.

138,437
DESIGN FOR A GOLF CLUB HEAD
Richard A. Link, Grand Rapids, Mich., assignor to The L. A. Young Company, Grand Rapids, Mich., a corporation of Michigan
Application May 16, 1944, Serial No. 113,616
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a golf club head, as shown.

138,438
DESIGN FOR A GOLF CLUB HEAD
Richard A. Link, Grand Rapids, Mich., assignor to The L. A. Young Company, Grand Rapids, Mich., a corporation of Michigan
Application May 16, 1944, Serial No. 113,617
Term of patent 7 years
(Cl. D34—5)



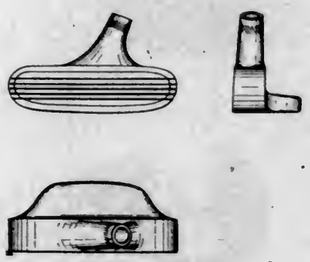
The ornamental design for a golf club head, as shown.

138,439
DESIGN FOR A GOLF CLUB HEAD
Richard A. Link, Grand Rapids, Mich., assignor to The L. A. Young Company, Grand Rapids, Mich., a corporation of Michigan
Application May 16, 1944, Serial No. 113,618
Term of patent 7 years
(Cl. D34—5)



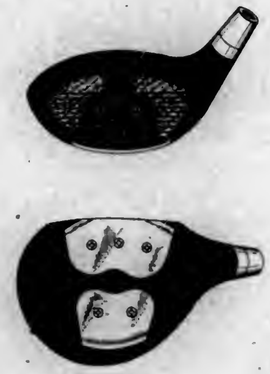
The ornamental design for a golf club head, as shown.

138,440
DESIGN FOR A GOLF CLUB PUTTER HEAD
Richard A. Link, Grand Rapids, Mich., assignor to The L. A. Young Company, Grand Rapids, Mich., a corporation of Michigan
Application May 16, 1944, Serial No. 113,619
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a golf club putter head, as shown.

138,441
DESIGN FOR A GOLF CLUB HEAD
Richard A. Link, Grand Rapids, Mich., assignor to The L. A. Young Company, Grand Rapids, Mich., a corporation of Michigan
Application May 16, 1944, Serial No. 113,620
Term of patent 7 years
(Cl. D34—5)



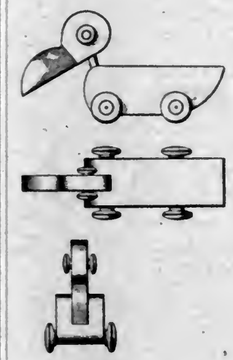
The ornamental design for a golf club head, as shown.

138,442
DESIGN FOR A GOLF CLUB HEAD
Richard A. Link, Grand Rapids, Mich., assignor to The L. A. Young Company, Grand Rapids, Mich., a corporation of Michigan
Application May 20, 1944, Serial No. 113,702
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a golf club head, as shown.

138,443
DESIGN FOR A TOY
Lloyd E. Pollard, Los Angeles, Calif.
Application January 29, 1944, Serial No. 112,371
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy, as shown.

138,444
DESIGN FOR A CALENDAR WATCHCASE
Henry J. Smoleroff, New York, N. Y., assignor to Etched Products Corporation, Long Island City, N. Y., a corporation of New York
Application April 18, 1944, Serial No. 113,299
Term of patent 7 years
(Cl. D74—5)



The ornamental design for a calendar watchcase, as shown.

138,445
DESIGN FOR A DOLL
Nell Marie Spiers, Chicago, Ill.
Application May 15, 1944, Serial No. 113,597
Term of patent 14 years
(Cl. D34—4)



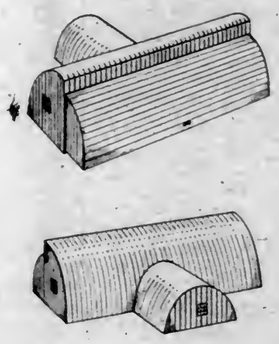
The ornamental design for a doll, substantially as shown.

138,446
DESIGN FOR A DOLL
Nell Marie Spiers, Chicago, Ill.
Application May 15, 1944, Serial No. 113,598
Term of patent 14 years
(Cl. D34—4)



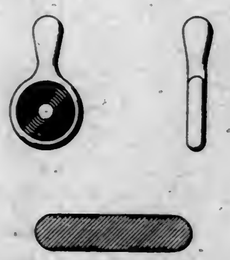
The ornamental design of a doll, substantially as shown.

138,447
DESIGN FOR AN AIRPLANE HANGAR
Kenneth E. Van Scoy and Floyd B. Todd, Kansas City, Mo., assignors to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application June 9, 1944, Serial No. 113,934
Term of patent 14 years
(Cl. D13—1)



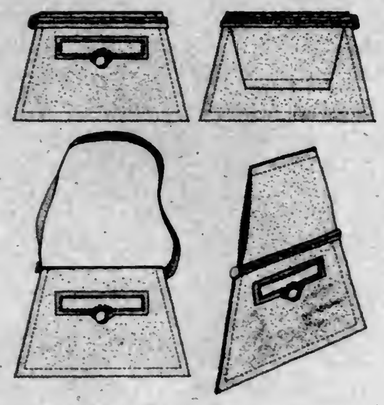
The ornamental design for an airplane hangar, as shown.

138,448
DESIGN FOR A TEETHING RING
Harry L. Youngquist, San Antonio, Tex.
Application April 21, 1944, Serial No. 113,333
Term of patent 14 years
(Cl. D83—1)



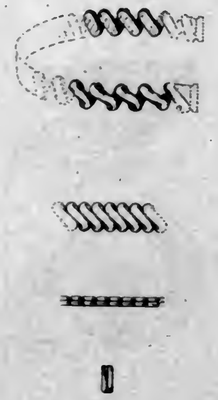
The ornamental design for a teething ring, as shown and described.

138,449
DESIGN FOR A LADY'S HANDBAG
Irene Basser and Gertrude Pins, New York, N. Y.
Application October 30, 1943, Serial No. 111,542
Term of patent 3½ years
(Cl. D87—3)



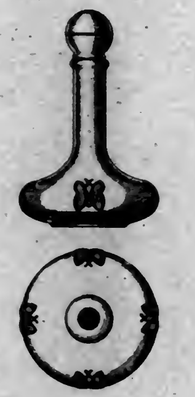
The ornamental design for a lady's handbag, substantially as shown.

138,450
DESIGN FOR A WATCH BAND OR ARTICLE OF SIMILAR NATURE
William Diehl, Summit, N. J., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J., a corporation of New Jersey
Application May 8, 1944, Serial No. 113,514
Term of patent 7 years
(Cl. D45—4)



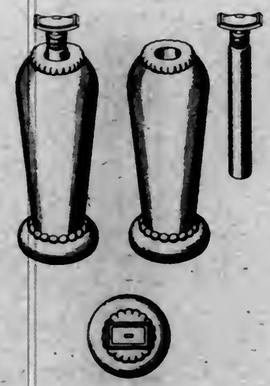
The ornamental design for a watch band or article of similar nature, as shown and described.

138,451
DESIGN FOR A BOTTLE
Robert B. Karoff, New York, N. Y.
Application May 29, 1944, Serial No. 113,787
Term of patent 3½ years
(Cl. D58—8)



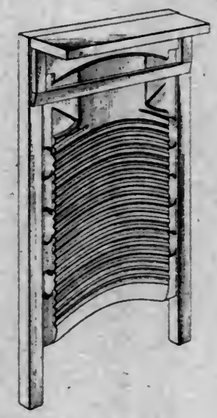
The ornamental design for a bottle, as shown.

138,452
DESIGN FOR COMBINED BOTTLE AND HOLDER OR SIMILAR ARTICLE
Robert B. Karoff, New York, N. Y.
Application May 29, 1944, Serial No. 113,788
Term of patent 3½ years
(Cl. D58—8)



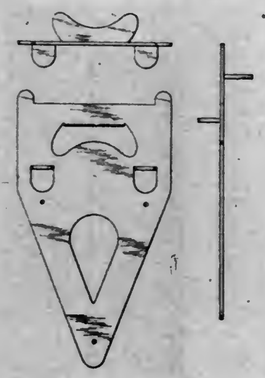
The ornamental design for combined bottle and holder or similar article, as shown.

138,453
DESIGN FOR A WASHBOARD
Aal Loomis, Santa Barbara, Calif.
Application April 17, 1944, Serial No. 113,274
Term of patent 7 years
(Cl. D49—1)



The ornamental design for a washboard, as shown and described.

138,454
DESIGN FOR A SHOE SCRAPER
Franklin J. Petzke, Minneapolis, Minn.
Application May 30, 1944, Serial No. 113,814
Term of patent 14 years
(Cl. D9—6)



The ornamental design for a shoe scraper, as shown.

138,455
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,648
Term of patent 7 years
(Cl. D59—10)



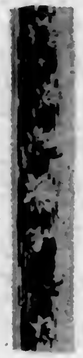
The ornamental design for wallpaper border or similar article, as shown.

138,456
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,652
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,457
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,654
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,458
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,656
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,459
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,664
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,460
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,665
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,461
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
William Burton, Chicago, Ill., assignor to United Wall Paper Factories, Inc., Chicago, Ill., a corporation of Delaware
Application May 18, 1944, Serial No. 113,666
Term of patent 7 years
(Cl. D59—10)



The ornamental design for wallpaper border or similar article, as shown.

138,462
DESIGN FOR LEATHER OR SIMILAR ARTICLE
Robert C. Krauss, Brooklyn, N. Y., assignor to F. A. Ringler Co., New York, N. Y., a corporation of New York
Application April 29, 1944, Serial No. 113,418
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for leather or similar article, substantially as shown and described.

138,463
DESIGN FOR A TOY ANIMAL FIGURE
Ernesto Peruggi, Brooklyn, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application June 6, 1944, Serial No. 113,874
Term of patent 7 years
(Cl. D34—2)



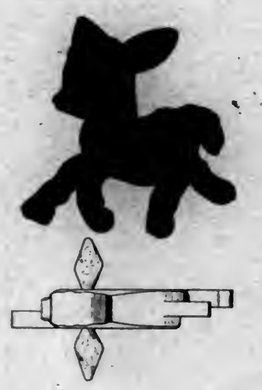
The ornamental design for a toy animal figure, as shown.

138,464
DESIGN FOR A TOY ANIMAL FIGURE
Ernesto Peruggi, Brooklyn, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application June 6, 1944, Serial No. 113,875
Term of patent 7 years
(Cl. D34—2)



The ornamental design for a toy animal figure, as shown.

138,465
DESIGN FOR A TOY ANIMAL FIGURE
Ernesto Peruggi, Brooklyn, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application June 6, 1944, Serial No. 113,877
Term of patent 7 years
(Cl. D34—2)



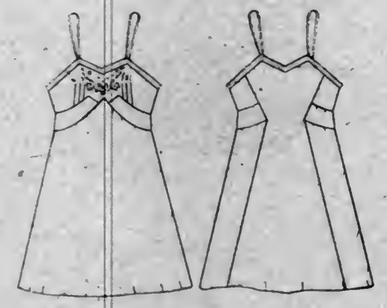
The ornamental design for a toy animal figure, as shown.

138,466
DESIGN FOR A TOY ANIMAL FIGURE
Ernesto Peruggi, Brooklyn, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application June 6, 1944, Serial No. 113,879
Term of patent 7 years
(Cl. D34—2)



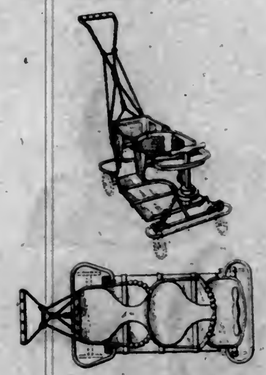
The ornamental design for a toy animal figure, as shown.

138,467
DESIGN FOR A SLIP
Emil Samek, New Rochelle, N. Y., assignor to Tailored Silk Undergarment Co., Inc., New York, N. Y.
Application December 27, 1943, Serial No. 112,100
Term of patent 14 years
(Cl. D3—26)



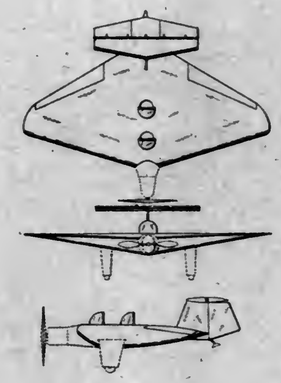
The ornamental design for a slip, as shown.

138,468
DESIGN FOR A VEHICLE FOR CHILDREN
Andy F. Call, San Francisco, Calif.
Application July 6, 1942, Serial No. 107,438
Term of patent 14 years
(Cl. D14—14)



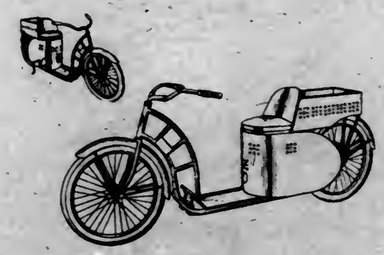
The ornamental design for a vehicle for children, substantially as shown.

138,469
DESIGN FOR AN AIRPLANE
Ellis V. Eichman, Brownsville, Tex.
Application September 9, 1943, Serial No. 111,079
Term of patent 14 years
(Cl. D71—1)



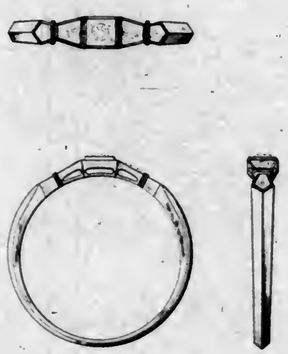
The ornamental design for an airplane, as shown and described.

138,470
DESIGN FOR A MOTORCYCLE
Emil H. Erickson, La Crosse, Wis., assignor to Safticycles, Inc., La Crosse, Wis.
Application November 29, 1943, Serial No. 111,807
Term of patent 14 years
(Cl. D90—8)



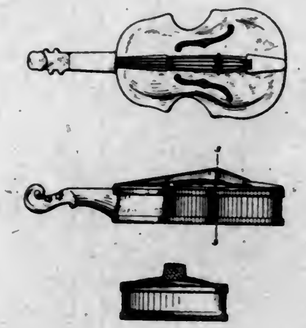
The ornamental design for a motorcycle, as shown and described.

138,471
DESIGN FOR A FINGER RING
Charles Gantwarg, New York, N. Y., assignor to Colonial Mfg. Co., Inc., New York, N. Y., a corporation of New York
Application June 8, 1944, Serial No. 113,917
Term of patent 3½ years
(Cl. D45—10)



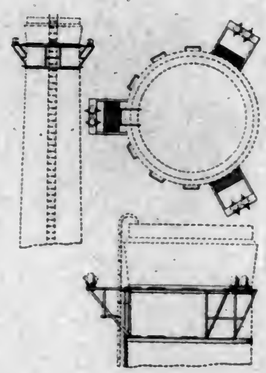
The ornamental design for a finger ring, substantially as shown.

138,472
DESIGN FOR A CANDY BOX
Samuel L. Gerson, Bridgeton, N. J.
Application November 6, 1943, Serial No. 111,615
Term of patent 14 years
(Cl. D58—11)



The ornamental design for a candy box, as shown.

138,473
DESIGN FOR A LAMP SUPPORTING ATTACHMENT STRUCTURE FOR CHIMNEYS AND THE LIKE
Clyde K. Lamb, Cleveland, Ohio
Application October 19, 1943, Serial No. 111,423
Term of patent 14 years
(Cl. D48—20)



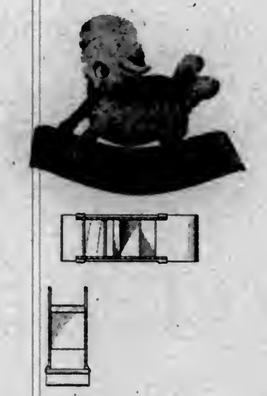
The ornamental design for a lamp supporting attachment structure for chimneys and the like, substantially as shown and described.

138,474
DESIGN FOR A TELECOMMUNICATION SUBSTATION SET
Virginia A. Merrill, New York, N. Y., and Noah S. Terry, Freeport, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1944, Serial No. 113,564
Term of patent 14 years
(Cl. D26—14)



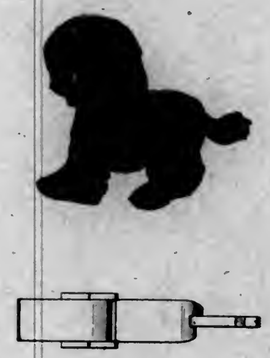
The ornamental design for a telecommunication substation set, as shown and described.

138,475
DESIGN FOR A ROCKER TOY
Ernesto Peruggi, Brooklyn, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application May 19, 1944, Serial No. 113,697
Term of patent 7 years
(Cl. D34—15)



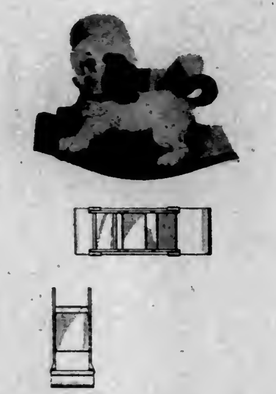
The ornamental design for a rocker toy, as shown and described.

138,476
DESIGN FOR A TOY ANIMAL FIGURE
Ernesto Peruggi, Brooklyn, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application June 6, 1944, Serial No. 113,873
Term of patent 7 years
(Cl. D34—2)



The ornamental design for a toy animal figure, as shown.

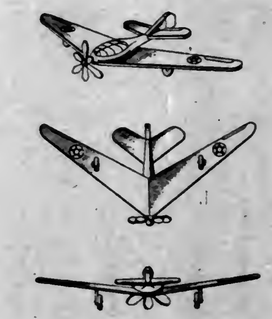
138,477
DESIGN FOR A ROCKER TOY
Ernesto Peruggi, Brooklyn, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application May 19, 1944, Serial No. 113,698
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a rocker toy, as shown and described.

The ornamental design for a rocker toy, as shown and described.

138,478
DESIGN FOR A TOY AIRPLANE
Frank F. Richter, Amelia Mount Holly, Ohio
Application June 30, 1943, Serial No. 110,576
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy airplane, as shown.

138,479
DESIGN FOR A DRESS
Louise Vincenso, Hartford, Conn.
Application June 22, 1944, Serial No. 114,116
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,480
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 10, 1944, Serial No. 114,344
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,481
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 10, 1944, Serial No. 114,345
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,482
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 10, 1944, Serial No. 114,347
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,483
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 10, 1944, Serial No. 114,348
Term of patent 3½ years
(Cl. D3—26)



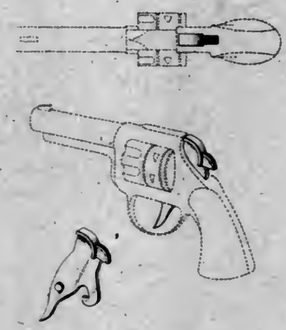
The ornamental design for a dress, substantially as shown.

138,484
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 10, 1944, Serial No. 114,349
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,485
DESIGN FOR A TOY PISTOL
Mano Hirsch, New York, N. Y.
Application October 19, 1943, Serial No. 111,421
Term of patent 7 years
(Cl. D34—15)



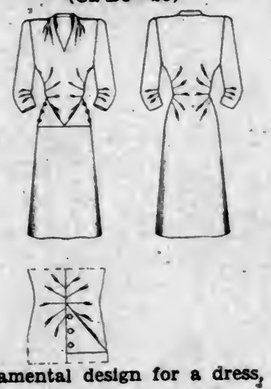
The ornamental design for a toy pistol, substantially as shown and described.

138,486
DESIGN FOR A TOY PISTOL
Mano Hirsch, New York, N. Y.
Application October 19, 1943, Serial No. 111,422
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy pistol, substantially as shown and described.

138,487
DESIGN FOR A DRESS
Harold H. Stahl, New York, N. Y.
Application July 12, 1944, Serial No. 114,364
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,488
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1944, Serial No. 114,365
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,489
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1944, Serial No. 114,366
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,490
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1944, Serial No. 114,367
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

THE
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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

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August 15, 1944

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Patents	519	No. 2,355,604 to No. 2,356,122, inclusive.
Designs	68	No. 138,491 to No. 138,558, inclusive.
Total	820	

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,261,800, R. L. Freeman, Automatic control system for carrier-wave signal receivers, decided May 26, 1944, claims 1, 2, and 3.

Pat. 2,282,153, B. P. Baker and A. H. Bakken, Circuit interrupter, decided May 30, 1944, claims 8, 9, and 11.

Pat. 2,310,831, F. Bielitz, Supercharger regulation, decided July 18, 1944, claim 5.

Pat. 2,252,106, H. F. Waters, Packaging method, decided June 2, 1944, claims 1, 13, and 14.

Pat. 2,332,666, R. Pasternack and E. V. Brown, Acetylated sugar compound, decided July 24, 1944, claim 1.

Pat. 2,283,494, H. C. Erdman, Method of making screw and washer assemblies, decided May 30, 1944, claims 1, 2, 3, 4, 7, and 8.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., July 28, 1944.*

Oval E. Hall, his assigns or legal representatives, take notice:

Interferences have been declared by this Office between the application for patent of Oval E. Hall, General Delivery, Bremerton, Washington, and applications for patent filed by James A. Roberts, 6201 Second Boulevard, Detroit, Michigan, Ray L. Blossom, 1421 De Soto Avenue, Burlingame, California, and a joint application of Edward F. Hinkle, 22700 Alexandrine, Dearborn, Michigan, and Alan Stewart, 1207 Pearl Street, Ypsilanti, Michigan. The attorneys who represented the party Hall have withdrawn from the case and are unable to give any other address for Hall than that given in the application papers. Copies of Office actions sent to said Hall, at the above-mentioned address, have been returned by the post-office authorities as undeliverable. Notice is hereby given that unless said Hall, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interferences will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Disclaimers

1,726,500.—*Ralph Forbush Norris*, Madison, Wis. SOUND-DEADENING CONSTRUCTION. Patent dated August 27, 1929. Disclaimer filed July 14, 1944, by the assignee, *Burgess Battery Company.*

Hereby enters this disclaimer to claims 1 to 15 inclusive, and claim 23 of said specification.

2,282,153.—*Benjamin P. Baker*, Turtle Creek, and *Andrew H. Bakken*, Edgewood, Pa. CIRCUIT INTERRUPTER. Patent dated May 5, 1942. Disclaimer filed June 23, 1944, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 8 and 9 of said specification.

2,290,048.—*Charles V. Hildebrecht*, Chicago, Ill. SAFETY DEVICE FOR HEATING AND OTHER APPARATUS. Patent dated July 14, 1942. Disclaimer filed July 13, 1944, by the assignee, *Milwaukee Gas Specialty Company*; the inventor, assenting.

Hereby enters this disclaimer to claims 1, 2, 3, 16, and 18 of said patent.

Condition of Applications Under Examination at Close of Business July 29, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 48,536; Trade-Mark Division, 1,578. Oldest new case, Aug. 19, 1943; oldest amended, Aug. 16, 1943.)
(The dates given are 1943 except where † indicates 1944)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	†Feb. 9	†Mar. 29	506
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Dec. 24	†Jan. 31	603
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Dec. 14	Dec. 16	1009
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	†Feb. 14	†Feb. 9	538
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Oct. 20	Oct. 14	1240
6. GENIESSE, E. W., Carbon Chemistry (part)	Dec. 27	†Feb. 2	1145
7. JARBOE, C. G., Optics, Photography	†Mar. 13	†Mar. 24	695
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Feb. 16	†Feb. 24	593
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	†Feb. 4	†Jan. 27	727
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Mar. 30	†Mar. 16	268
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Oct. 9	Oct. 9	1101
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	†Feb. 23	†Feb. 5	598
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	†Mar. 4	†Feb. 22	713
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	†Feb. 25	†Mar. 7	735
16. SPENCER, C. J., Telegraphy; Telephony	†Feb. 14	†Feb. 12	581
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 26	Nov. 15	561
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Oct. 7	Oct. 6	885
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	†Feb. 1	†Jan. 7	573
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Mar. 7	†Jan. 3	426
21. THOMPSON, T. J., Textiles	†Feb. 8	†Jan. 12	446
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Dec. 11	Dec. 15	1139
23. BARROWS, B., Cash Registers; Calculators (part)	Oct. 20	Aug. 21	161
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Mar. 17	†Mar. 8	454
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Dec. 16	†Jan. 1	789
26. YOUNG, R. R., Electricity—Generation and Motive Power	Nov. 3	Nov. 12	930
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Nov. 4	Nov. 2	501
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Dec. 15	Oct. 27	723
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	†Feb. 4	†Feb. 3	890
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Nov. 4	Nov. 1	1074
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Feb. 16	†Feb. 14	1063
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	†Feb. 21	†Feb. 18	723
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Mar. 2	†Apr. 8	650
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	†Feb. 17	†Feb. 19	467
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	†Mar. 13	†Mar. 10	578
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	†Feb. 1	†Jan. 24	497
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 11	Dec. 4	787
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	Dec. 2	Nov. 27	610
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	†Jan. 27	†Jan. 26	721
40. DRUMMOND, E. J., Receptacles (part); Packages	†Mar. 9	†Mar. 9	666
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 28	Nov. 17	413
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	†Mar. 2	†Mar. 8	438
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 20	Dec. 27	747
44. HARVEY, L. P., Refrigeration; Preserving	Nov. 5	Nov. 2	444
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	†Jan. 1	†Jan. 14	1069
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 11	Nov. 11	508
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	†Feb. 28	†Mar. 17	705
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Dec. 30	Dec. 31	824
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Jan. 17	†Jan. 20	631
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	†Jan. 22	†Jan. 27	1415
51. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	Dec. 16	Dec. 16	1363
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Dec. 18	Dec. 7	886
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	†Mar. 8	Dec. 3	484
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Aug. 19	Aug. 16	1001
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Nov. 12	Nov. 4	634
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Dec. 30	†Jan. 1	772
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Sept. 1	Dec. 23	840
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Jan. 31	†Jan. 12	684
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Dec. 10	Dec. 8	1406
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Nov. 19	Nov. 19	926
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	†Feb. 14	†Feb. 14	524
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Feb. 21	†Feb. 12	1007
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Nov. 27	Nov. 13	1001
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Mar. 7	†Mar. 2	985
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 29	Sept. 27	912
Trade-Marks: RICHMOND, F. A.	†May 24	†June 17	1578
Designs: KALUPY, H. H.	†June 1	†July 11	641

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Air Filter Service Corp., Chicago, Ill. Cell type air filters. Serial No. 469,744; Aug. 15. Class 31.

Allen, George F., New York, N. Y. Dog and animal repellent. Serial No. 470,595; Aug. 15. Class 6.

Allied Toiletries Distributors, Inc., New York, N. Y. Perfumes, perfume extracts, toilet water, etc. Serial No. 470,200; Aug. 15. Class 6.

Alta Laboratories, Inc., Glendale, Calif. Medicinal preparation. Serial No. 468,770; Aug. 15. Class 6.

American Brake Shoe Company, New York, N. Y. Publication. Serial Nos. 470,646–8; Aug. 15. Class 38.

American Education Press, Inc., Columbus, Ohio. Sectional feature. Serial No. 470,874; Aug. 15. Class 38.

American Enka Corporation, Enka, N. C. Rayon yarns. Serial No. 471,652; Aug. 15. Class 43.

Appel, Bernard, Boston, Mass. Textile fabrics. Serial No. 470,695; Aug. 15. Class 42.

Astlett, H. A., & Co., New York, N. Y. Oil stoves and ranges and gas stoves and ranges. Serial No. 469,110; Aug. 15. Class 34.

Bendel, Henri, Inc., New York, N. Y. Perfume, toilet water, sachet powder, etc. Serial No. 467,484; Aug. 15. Class 6.

Bernstein, Max, doing business as Jiffy Coin Purse Co., New York, N. Y. Purses and wallets. Serial No. 469,322; Aug. 15. Class 3.

Bes-Tone, Ltd. (See Suprewave Corporation.)

Billik, Samuel, Flushing, Long Island, N. Y. Pharmaceutical preparation. Serial No. 465,016; Aug. 15. Class 6.

Blackstone Coin Packer Company. (See Blackstone, Selwyn R.)

Blackstone, Selwyn R., doing business as Blackstone Coin Packer Company, Madison, Wis. Fishing floats, fishing hook extractors, etc. Serial No. 469,556; Aug. 15. Class 22.

Bonded Brands. (See White, James S.)

Breyer Ice Cream Company, Inc. (See Consolidated Dairy Products Company, Inc., assignor.)

Burndy Engineering Company, Inc., New York, N. Y. Connector indenting pressure pliers. Serial No. 466,003; Aug. 15. Class 23.

C. P. Concrete Equipment Co., Los Angeles, Calif. Concrete form ties, soffit hangers and screeds supports. Serial No. 468,278; Aug. 15. Class 12.

Calatina Citrus Co. (See Meyers, Claire.)

Callaway Mills, La Grange, Ga. Bath rugs, mats, and seat covers. Serial No. 470,846; Aug. 15. Class 42.

Campana Sales Company, Batavia, Ill. Toilet soap. Serial No. 471,181; Aug. 15. Class 4.

Castillo, Jose M. F., Habana, Cuba. Cigars. Serial No. 466,146; Aug. 15. Class 17.

Chalette. (See Szalet, Chaim L.)

Champion Dish Washing Machine Co., Erie, Pa. Vegetable paring machines. Serial No. 470,329; Aug. 15. Class 23.

Chemtest Laboratories. (See Katz Drug Company.)

Clark, Jason G., Norwich, Conn. Magazine and circulars. Serial No. 467,801; Aug. 15. Class 38.

Clofine, Herbert K., Philadelphia, Pa. Dried skim milk, dried buttermilk, condensed skim milk, etc. Serial No. 424,255; Aug. 15. Class 46.

Consolidated Dairy Products Company, Inc., assignor to Breyer Ice Cream Company, Inc., New York, N. Y. Frozen cooked vegetable stew. Serial No. 467,089; Aug. 15. Class 46.

Continental Can Company, Inc., New York, N. Y. Can sealers. Serial No. 461,813; Aug. 15. Class 23.

Continental Coffee Company, Chicago, Ill. Coffee. Serial No. 468,596; Aug. 15. Class 46.

Cumberland Dairy Products Co., Inc., Brooklyn, N. Y. Cheese food spreads. Serial No. 470,441; Aug. 15. Class 46.

Eclipse Air Brush Co., Newark, N. J. Spray guns. Serial Nos. 465,419–20; Aug. 15. Class 23.

Entin, Irving, New York, N. Y. Gas ranges, gas heaters, gas hot plates, etc. Serial No. 464,161; Aug. 15. Class 34.

Davis, Albert N., Chicago, Ill. Composition of matter generally sold in the form of small irregular pieces, which pieces are generally black and shiny and comprise a metal alloy. Serial No. 469,118; Aug. 15. Class 14.

Decca Records, Inc., New York, N. Y. Phonograph records. Serial Nos. 471,591–2; Aug. 15. Class 36.

Dell Publishing Company, Inc., New York, N. Y. Series of small size editions of stories. Serial Nos. 467,688–91; Aug. 15. Class 38.

Dicalite Company, The, Los Angeles, Calif. Earth mixtures for reclaiming waste solvents. Serial No. 470,790; Aug. 15. Class 1.

Dugas Engineering Corporation, Marinette, Wis. Dry powdered chemical fire extinguishing compositions. Serial No. 470,140; Aug. 15. Class 6.

Durkee Marine Products Corporation, Grasmere, Staten Island, N. Y. Ship anchors. Serial No. 470,561; Aug. 15. Class 14.

Durkee Marine Products Corporation, Grasmere, Staten Island, N. Y. Fly rods, shark hooks, eel spears, etc. Serial No. 470,564; Aug. 15. Class 22.

Fetzer, Dr. William J., San Antonio, Tex. Newspaper or periodical feature. Serial No. 470,813; Aug. 15. Class 38.

Fisher, A. Edward, & Co., Inc., New York, N. Y. Diamond rings. Serial No. 469,562; Aug. 15. Class 28.

Fleetwings, Incorporated, assignor, by mesne assignments, to Reconstruction Finance Corporation, Bristol, Pa. Airplanes and structural parts of airplanes. Serial No. 449,414; Aug. 15. Class 19.

Fligel, Ben, Co., New York, N. Y. Sport shirts and sport jackets. Serial No. 470,793; Aug. 15. Class 39.

General Desserts Corporation, New York, N. Y. Dessert powder. Serial No. 469,154; Aug. 15. Class 46.

Goodwin Preserving Co., Louisville, Ky. Preserved fruits, fruit preserves, and jellies, etc. Serial No. 465,390; Aug. 15. Class 46.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Printers' supplies. Serial No. 470,658; Aug. 15. Class 50.

Greenspan, Cantor, Co., Inc., New York, N. Y. Spun rayon cloth. Serial No. 470,959; Aug. 15. Class 42.

Griesedieck Western Brewery Company, Belleville, Ill. Beer. Serial 470,264; Aug. 15. Class 48.

Gruen Watch Company, Cincinnati and Time Hill, Cincinnati, Ohio. Watches, watch cases and watch movements. Serial No. 461,437; Aug. 15. Class 27.

Hope and Anchor Breweries Limited, Sheffield, England. Beer. Serial No. 469,336; Aug. 15. Class 48.

Hope and Anchor Breweries Limited, Sheffield, England. Lager beer. Serial No. 469,337; Aug. 15. Class 48.

Hope and Anchor Breweries Limited, Sheffield, England. Stout. Serial No. 469,338; Aug. 15. Class 48.

House of Gordon, Chicago, Ill. After shave lotion. Serial No. 469,540; Aug. 15. Class 6.

Jiffy Coin Purse Co. (See Bernstein, Max.)

Johnson, Frieda L., doing business as Johnson Products Co., New York, N. Y. Adhesive cement. Serial No. 470,575; Aug. 15. Class 5.

Johnson Products Co. (See Johnson, Frieda L.)

Katz Drug Company, also doing business as Chemtest Laboratories, Kansas City, Mo. Astringent. Serial No. 469,732; Aug. 15. Class 6.

Kellog, Spencer, and Sons, Inc., Buffalo, N. Y. Vegetable drying oil. Serial No. 470,377; Aug. 15. Class 16.

Knowles, Margaret L., La Grange, Ill. Fruit flavored non-alcoholic, maltless beverages and concentrates. Serial Nos. 471,843–4; Aug. 15. Class 45.

Krieger Color and Chemical Co. (See Krieger, Michael.)

Krieger, Michael, doing business as Krieger Color and Chemical Co., Hollywood, Calif. Liquid dye. Serial No. 470,576; Aug. 15. Class 6.

Libby, McNeill & Libby, Chicago, Ill. Canned fruits. Serial No. 471,351; Aug. 15. Class 46.

Lincoln Manufacturing Company, New Brunswick, N. J. Turkey bits. Serial No. 463,354; Aug. 15. Class 50.

Maison Jeurelle-Seventeen, Inc., New York, N. Y. Perfumes. Serial No. 470,379; Aug. 15. Class 6.

Maison Mendessolle, San Francisco, Calif. Perfume, face powder, talcum, etc. Serial No. 470,276; Aug. 15. Class 6.

Mayflower Dress Co., Inc., New York, N. Y. Cotton fabrics. Serial No. 470,803; Aug. 15. Class 42.

McLeod & Moore, Phoenix, Ariz. Fresh vegetables. Serial No. 470,859; Aug. 15. Class 46.

Metalsalts Corporation, Huckensack, N. J. Combination of bichloride of mercury and mercurous chloride (calomel). Serial No. 470,539; Aug. 15. Class 6.

Metroloy Company, Newark, N. J. Tungsten rods, tungsten powder, tungsten alloys, etc. Serial No. 466,173; Aug. 15. Class 14.

Meyers, Claire, doing business as Calatina Citrus Co., Anaheim, Calif. Citrus juices. Serial No. 469,269; Aug. 15. Class 46.

Michigan Hair Goods Company, Detroit, Mich. Nail polish, nail polish remover, cuticle remover, etc. Serial No. 463,874; Aug. 15. Class 6.

Muchow, William M., Chicago, Ill. Instrument for holding dental floss. Serial No. 468,897; Aug. 15. Class 44.

Nachman Corporation. (See Nachman Spring-Filled Corporation.)

Nachman Spring-Filled Corporation, Chicago, Ill., now by change of name Nachman Corporation. Spring units and supports for seat cushions. Serial No. 457,444; Aug. 15. Class 32.

National Oil Products Company, Harrison, N. J. Skin cleanser. Serial No. 467,979; Aug. 15. Class 4.

Nelson, James, Ltd., Bradford, England. Bindings, braids, galloons, etc. Serial No. 465,875; Aug. 15. Class 40.

New England Mackintosh Co., Inc., Framingham, Mass. Infants', children's, and misses' ski suits; men's and women's raincoats and sport suits. Serial No. 470,509; Aug. 15. Class 39.
New Jersey Zinc Company, The, New York, N. Y. Ingots of zinc metal and zinc base alloys. Serial Nos. 470,987–8; Aug. 15. Class 14.
Nunez, Indalecio, Guadalajara, Mexico. Tequila. Serial No. 464,713; Aug. 15. Class 49.
O. D. Chemical Corporation, New York, N. Y. Deodorizer. Serial Nos. 470,628–9; Aug. 15. Class 6.
Old Dutch Industrial Products Co., Inc., Kearny, N. J. Shoe dyes. Serial No. 469,648; Aug. 15. Class 6.
Oliver United Filters Incorporated, Oakland, Calif. Plastic pump parts and fittings. Serial No. 453,517; Aug. 15. Class 23.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Metal pickling inhibitors. Serial No. 469,942; Aug. 15. Class 6.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Metal cleaners. Serial No. 469,943; Aug. 15. Class 4.
Pepsodent Co., The, Chicago, Ill. Water soluble detergent. Serial No. 470,838; Aug. 15. Class 4.
Pfister Hybrid Corn Company, El Paso, Ill. Seed corn. Serial No. 469,944; Aug. 15. Class 1.
Picker X-Ray Corporation, New York, N. Y. Aprons, gloves and sheets. Serial No. 468,158; Aug. 15. Class 44.
Pinaud Incorporated, New York, N. Y. Perfume, face powder and lipstick. Serial No. 470,386; Aug. 15. Class 6.
Pinaud Incorporated, New York, N. Y. Perfumes, face powder and lipstick. Serial No. 470,388; Aug. 15. Class 6.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Tempered and semi-tempered sheet glass. Serial Nos. 462,056–7; Aug. 15. Class 33.
Quaker State Oil Refining Corporation, Oil City, Pa. Motor lubricating oils. Serial No. 471,098; Aug. 15. Class 15.
Reconstruction Finance Corporation. (See Fleetwings, Incorporated, assignor.)
Sapolin Co. Inc., New York, N. Y. Enamel paint. Serial No. 471,103; Aug. 15. Class 16.
Seydel Chemical Company, Jersey City, N. J. Local anesthetic. Serial No. 470,551; Aug. 15. Class 6.
Seydel Chemical Company, Jersey City, N. J. Alterative, antiseptic for oral application. Serial No. 470,683; Aug. 15. Class 6.
Sinclair Refining Company, New York, N. Y. Cutting oils. Serial No. 469,848; Aug. 15. Class 15.
Singer, E., New York, N. Y. Jewelry. Serial No. 469,416; Aug. 15. Class 28.
Smigel, George B., Brooklyn, N. Y. Chemical preparation. Serial No. 466,595; Aug. 15. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Slushing oils. Serial No. 468,819; Aug. 15. Class 15.
Suprewave Corporation, doing business as Bes-Tone, Ltd., New York, N. Y. Lotion and a concentrated solution. Serial No. 470,518; Aug. 15. Class 6.
Sylvan Plastics, Inc., New York, N. Y. Synthetic resins. Serial No. 470,318; Aug. 15. Class 1.
Szalet, Chaim L., doing business as Chalette, New York, N. Y. Perfumes. Serial No. 470,748; Aug. 15. Class 6.
Thompson Engineering & Machine Company, Youngstown, Ohio. Toy trains, toy trucks, toy army trucks, etc. Serial No. 468,908; Aug. 15. Class 22.
Underwood Elliott Fisher Company, New York, N. Y. Packs of coated transfer sheets. Serial No. 461,780; Aug. 15. Class 11.
Union-Baystate Co. Inc., Cambridge, Mass. Plasticized polystyrene dispersion for use in pigments. Serial No. 468,645; Aug. 15. Class 4.
United Aircraft Corporation, East Hartford, Conn. Adhesively bonded laminated material. Serial No. 468,128; Aug. 15. Class 12.
Wah Chang Trading Corporation, New York, N. Y. Antimony ores, tungsten ores, and tungsten tin ores. Serial No. 468,993; Aug. 15. Class 1.
White, James S., doing business as Bonded Brands, Chicago, Ill. Golf club head covers. Serial No. 468,858; Aug. 15. Class 22.
Wolff, Arthur, doing business as Arthur Wolff Company, New York, N. Y. Men's, boys' and women's pajamas, and men's and boys' outer shirts. Serial No. 469,882; Aug. 15. Class 39.
Wolff, Arthur, Company. (See Wolff, Arthur.)

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott, Donald B., Mamaroneck, N. Y. Sail boats and sails therefor. 408,508; Aug. 15; Serial No. 467,216; published June 6, 1944. Class 19.
Abbott, Donald B., Mamaroneck, N. Y. Sail boats and sails therefor. 408,518; Aug. 15; Serial No. 467,638; published June 6, 1944. Class 19.
Abbott, Donald B., Mamaroneck, N. Y. Sail boats and sails therefor. 408,523; Aug. 15; Serial No. 467,778; published June 6, 1944. Class 19.
Abbott, Donald B., Mamaroneck, N. Y. Sail boats and sails therefor. 408,526; Aug. 15; Serial No. 467,835; published June 6, 1944. Class 19.
Amphibian Car Corporation, Buffalo, N. Y. Amphibious automotive vehicles. 408,521–2; Aug. 15; Serial Nos. 467,744–5; published June 6, 1944. Class 19.
American Crayon Company, The. (See Parmenter, Sherman L., assignor.)
American Crayon Company, Sandusky, Ohio. Crayons 191,587–9; renewed Nov. 11, 1944.
American Crayon Company, The, Sandusky, Ohio. Crayons, water colors. 191,590; renewed Nov. 11, 1944.
American Crayon Company, The, Sandusky, Ohio. Crayons. 191,591; renewed Nov. 11, 1944.
American Crayon Company, The, Sandusky, Ohio. Paper pencils. 192,642; renewed Dec. 9, 1944.
American Crayon Company, Sandusky, Ohio. Dustless chalk. 192,643; renewed Dec. 9, 1944.
American Crayon Company, Sandusky, Ohio, and St. Louis, Mo., to The American Crayon Company, Sandusky, Ohio. Crayons. 192,495; renewed Dec. 9, 1944.
American Crayon Company, The, Sandusky, Ohio, and St. Louis, Mo., to The American Crayon Company, Sandusky, Ohio. Dustless chalk. 192,644; renewed Dec. 9, 1944.
American Crayon Company, The, Sandusky, Ohio, and St. Louis, Mo., to The American Crayon Company, Sandusky, Ohio. Crayons. 192,807–9; renewed Dec. 9, 1944.
American Crayon Company, The, Sandusky, Ohio, and St. Louis, Mo., to The American Crayon Company, Sandusky, Ohio. Wax crayons. 192,810; renewed Dec. 9, 1944.
American Crayon Company, The, Sandusky, Ohio, and St. Louis, Mo., to The American Crayon Company, Sandusky, Ohio. Crayons. 192,811; renewed Dec. 9, 1944.
American Crayon Company, The, Sandusky, Ohio, and St. Louis, Mo., to The American Crayon Company, Sandusky, Ohio. Wax crayons. 192,812; renewed Dec. 9, 1944.
American Maize-Products Company, New York, N. Y. Preparation derived from starch conversion products. 408,536; Aug. 15; Serial No. 468,101; published May 30, 1944. Class 6.
American Soil Products Co., Inc., New York, N. Y. Hand garden seeder. 408,520; Aug. 15; Serial No. 467,743; published May 23, 1944. Class 23.
Angelo Bros. Limited, Calcutta, British India. Gum shellac, orange shellac, button lac, etc. 192,549; renewed Dec. 9, 1944.
Antonacci, Antonio, doing business as Antonacci Wine Company, Hoboken, N. J. Wines. 408,496; Aug. 15; Serial No. 466,819; published May 9, 1944. Class 47.
Antonacci Wine Company. (See Antonacci, Antonio.)
Associated Distributors, Chicago, Ill. Toilet soaps. 408,529; Aug. 15; Serial No. 467,868; published June 6, 1944. Class 4.
Atlanta Cleansing Products Company. (See Martie, Robert B.)
Baebi, Joseph, doing business as Hilton Paint and Varnish Works, Hilton, N. J. Ready-mixed paints; prepared shellacs; washable wall paint, etc. 408,527; Aug. 15; Serial No. 467,838; published June 6, 1944. Class 16.
Barker, Clarence D. (See Lufkin, Eva E.)
Barnett, M. D., Denver, Colo. Hosiery. 185,486; renewed June 17, 1944.
Barron-Gray Packing Company, San Jose, Calif. Canned fruits, canned vegetables, and canned fruit juices. 408,575; Aug. 15. Class 46.
Barth-Feinberg, Inc., New York, N. Y. Musical string instruments, musical band instruments, etc. 408,455; Aug. 15; Serial No. 445,912; published June 6, 1944. Class 36.
Bartholomew, J. J., & Son, Inc., Vernon, N. Y. Pastry flour, graham flour, self-rising buckwheat flour, etc. 186,539; renewed July 22, 1944.
Beacon Importing Co., Boston, Mass. Canned fish. 408,561; Aug. 15; Serial No. 468,905; published June 6, 1944. Class 46.
Bell Aircraft Corporation, Buffalo, N. Y. Airplanes and structural parts thereof. 408,503; Aug. 15; Serial No. 467,013; published June 6, 1944. Class 19.
Berger, Herman, doing business as Standard Pharmaceutical Co., New York, N. Y. Laxatives. 408,477; Aug. 15; Serial No. 463,923; published May 30, 1944. Class 6.
Bianchi, Adam. (See California Poultry Company, assignor.)
Boucher Cork & Machine Co., Inc., New York, N. Y., to Boucher Cork Co., Inc., Pisgah Forest, N. C., successor. Corks. 187,806; renewed Aug. 12, 1944.

Boucher Cork Co., Inc. (See Boucher Cork & Machine Co., Inc.)
Bowers Bros. Inc., Richmond, Va. Coffee. 408,557; Aug. 15; Serial No. 468,944; published June 6, 1944. Class 46.
Bragg, Paul C., doing business as Burbank Kitchens, Burbank, Calif. Powdered ingredients. 408,534; Aug. 15; Serial No. 468,063; published June 6, 1944. Class 46.
Brandwen, Paul E., doing business as Paul E. Brandwen Mfg. Co., Scranton, Pa. Foldable combination seat tables. 408,461; Aug. 15; Serial No. 459,395; published June 6, 1944. Class 32.
Brandwen, Paul E., Mfg. Co. (See Brandwen, Paul E.)
Bray Chemical Co., Inc., Chicago, Ill. Cleaning, scouring, and polishing compound. 408,469; Aug. 15; Serial No. 462,901; published Dec. 7, 1943. Class 4.
Bray Chemical Co., Inc., Chicago, Ill. Cleaning, scouring and polishing compound. 408,470; Aug. 15; Serial No. 462,902; published June 6, 1944. Class 4.
Bray Chemical Co., Inc., Chicago, Ill. Toilet bowl cleansing powder. 408,506; Aug. 15; Serial No. 467,183; published June 6, 1944. Class 4.
Bray Chemical Co., Inc., Chicago, Ill. Cleansing powder. 408,507; Aug. 15; Serial No. 467,182; published June 6, 1944. Class 4.
Brico Corporation, New York, N. Y. Chemical paste. 408,495; Aug. 15; Serial No. 466,524; published May 30, 1944. Class 4.
Briggs & Stratton Company, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Electrical equipment for gasoline and electric motor cars, etc. 184,010; renewed May 13, 1944.
Briggs & Stratton Corporation. (See Briggs & Stratton Company, assignor.)
Broeminel's Pharmaceuticals, San Francisco, Calif. Nasal drops, nasal spray, and throat spray. 408,531; Aug. 15; Serial No. 467,957; published May 30, 1944. Class 6.
Brown & Haley, assignor to Brown & Haley, Tacoma, Wash. Chocolated brittle candy. 191,430; renewed Nov. 1, 1944.
Brucon Company, San Francisco, Calif. Hydraulic pump and ram units and vises. 408,467; Aug. 15; Serial No. 461,887; published May 23, 1944. Class 23.
Burbank Kitchens. (See Bragg, Paul C.)
Burcher, George E., Newport News, Va. Medicinal preparation. 184,362; renewed May 20, 1944.
California Growers Wineries, Cutler, Calif. Wine. 408,573; Aug. 15. Class 47.
California Poultry Company, assignor to Adam Bianchi, San Francisco, Calif. Dressed poultry. 188,936; renewed Sept. 9, 1944.
Cameo Vineyards Co., Fresno, Calif. Liquers. 408,517; Aug. 15; Serial No. 467,589; published May 2, 1944. Class 49.
Carafiol, Alex, Inc., St. Louis, Mo. Women's, misses' and juniors' dresses, frocks, and blouses. 408,597; Aug. 15. Class 39.
Cedarberg Manufacturing Company, Minneapolis, Minn. Mechanics' self-chalking line reels. 408,519; Aug. 15; Serial No. 467,686; published May 30, 1944. Class 23.
Chemo Cleansers, Inc. (See Chemo Products Co., assignor.)
Chemo Products Co., New York, assignor to Chemo Cleansers, Inc., Long Island City, N. Y. Washing powder. 191,429; renewed Nov. 11, 1944.
Comfort Manufacturing Co., assignor to Comfort Manufacturing Company, Chicago, Ill. Face powder in cake form. 188,454; renewed Aug. 26, 1944.
Comfort Manufacturing Company. (See Comfort Mfg. Co., assignor.)
Comfort Mfg. Co., assignor to Comfort Manufacturing, Chicago, Ill. Chemical preparation. 190,492; renewed Oct. 14, 1944.
Condé Nast Publications, Inc., The, New York, N. Y. Paper dress patterns. 408,562; Aug. 15; Serial No. 469,035; published June 6, 1944. Class 26.
Consolidated Cosmetics. (See Associated Distributors.)
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, brandy, alcoholic cordials. 408,453; Aug. 15; Serial No. 428,152; published May 9, 1944. Class 49.
Corduroy Rubber Company. (See Corduroy Tire Company.)
Corduroy Tire Company, Grand Rapids, Mich., by change of name to Corduroy Rubber Company. Pneumatic rubber tires. 190,485; renewed Oct. 14, 1944.
Corn Products Refining Company, New York, N. Y. Starch. 408,490; Aug. 15; Serial No. 466,302; published June 6, 1944. Class 46.
Cottle-Wilson Laboratories. (See Wilson, Caliste V.)
Danica, Maria, Laboratories Corporation, New York, N. Y. Toilet creams and perfume. 408,476; Aug. 15; Serial No. 463,728; published Jan. 4, 1944. Class 6.
Dare, Irene, Company, New York, N. Y. Women's and misses' dresses. 408,578; Aug. 15. Class 39.
Daum, Henry F., doing business as SafeTspra Company, Los Angeles, Calif. Liquid cleaner. 408,606; Aug. 15. Class 4.
Dawnwood Farm. (See Long, Dorothy A.)
Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Pneumatic tires. 408,555; Aug. 15; Serial No. 468,781; published June 6, 1944. Class 35.
De Stefano, Dante J., doing business as Fiber-Lite Co., New York, N. Y. Construction materials. 408,586; Aug. 15. Class 12.
Diadem, Inc., Leominster, Mass. Coiffure combs and hat fasteners. 408,458–9; Aug. 15; Serial Nos. 455,257–8; published May 23, 1944. Class 40.
Distilled Liquors Import Co. Inc., New York, N. Y. Distilled spirits. 408,596; Aug. 15. Class 49.
Doall Company (A Division of Wilkie Enterprises, a copartnership), The, Des Plaines, Ill. Band saws. 408,487; Aug. 15; Serial No. 466,149; published May 30, 1944. Class 23.
Dry Buttermilk Company, Waseca, Minn., assignor to Kraft Cheese Company, Chicago, Ill. Dehydrated pasteurized sweet-cream buttermilk powder. 188,135; renewed Aug. 19, 1944.
Dry Buttermilk Company, Waseca, Minn., assignor to Kraft Cheese Company, Chicago, Ill. Dehydrated pasteurized sweet-cream buttermilk powder. 190,730; renewed Oct. 21, 1944.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Agricultural fungicide. 408,524; Aug. 15; Serial No. 467,781; published May 30, 1944. Class 6.
Eaton Brothers Corp., Hamburg, N. Y. Artificial grass mats or sets. 408,539–40; Aug. 15; Serial Nos. 468,231–2; published June 6, 1944. Class 50.
Edgecraft Company, New York, N. Y. Laces, braids, hand-work trimmings, etc. 408,589; Aug. 15. Class 40.
Ehrman Bros. Horn & Company, assignor, by mesne assignments, to Ehrman Bros., Horn & Co., San Francisco, Calif. Cigars. 190,974–6; renewed Oct. 28, 1944.
Eisenstadt Manufacturing Company, St. Louis, Mo. Pocket knives and electric razors. 408,474; Aug. 15; Serial No. 463,479; published May 16, 1944. Class 23.
Electric Machinery Mfg. Company, Minneapolis, Minn. Voltage regulators. 408,468; Aug. 15; Serial No. 462,279; published Nov. 16, 1943. Class 21.
Everfast Fabrics, Inc., New York, N. Y. Cotton textile fabrics. 408,592; Aug. 15. Class 42.
Fairchild Bros. and Foster, New York, N. Y. Lathering, emollient, and detergent preparation. 408,558; Aug. 15; Serial No. 468,956; published May 30, 1944. Class 4.
Fiber-Lite Co. (See De Stefano, Dante, J.)
Filmon Company. (See Tugend, Emanuel.)
Firestone Tire & Rubber Company, The, Akron, Ohio. Chemical composition. 408,548; Aug. 15; Serial No. 468,378; published May 30, 1944. Class 6.
Fischer, Albert C., doing business as Servicised Products Company, Chicago, Ill. Flower pots. 408,463; Aug. 15; Serial No. 459,925; published June 6, 1944. Class 2.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 408,532; Aug. 15; Serial No. 467,969; published May 30, 1944. Class 42.
Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 407,577; Aug. 15. Class 42.
Frigorifico Nacional of Montevideo. (See Hollinshed, Chas., Co., Inc., assignor.)
Gem Products, Inc., Milwaukee, Wis. Floor mops. 408,541; Aug. 15; Serial No. 468,252; published June 6, 1944. Class 29.
General Ribbon Mills, Inc., Dover, Del., and New York, N. Y. Textile ribbons. 408,565; Aug. 15. Class 42.
Gibson Distilling Company, The, New York, N. Y. Whiskey, gin, brandy, etc. 408,494; Aug. 15; Serial No. 466,377; published May 2, 1944. Class 49.
G-L Products, Philadelphia, Pa. Asbestos fibre and binders. 408,585; Aug. 15. Class 12.
Goldman, Wm. P., & Bros. Inc., assignor to Wm. P. Goldman & Bros., Inc., New York, N. Y. Men's overcoats. 186,924; renewed July 22, 1944.
Gordon Products Co., A. N. (See Levy, Jack.)
Greenmount Canning Co., Greenmount, Md. Canned vegetables. 187,250; renewed July 29, 1944.
Grinnell Company, Inc., assignor to Grinnell Corporation, Providence, R. I. Steam, water, and gas pipe fittings and valves. 188,483; renewed Aug. 26, 1944.
Grinnell Corporation. (See Grinnell Company, Inc., assignor.)
Hagopian, C. H., Co. (See Hagopian, Charles H.)
Hagopian, Charles H., doing business under the name of C. H. Hagopian Co., New York, N. Y. Bubble making devices. 408,483; Aug. 15; Serial No. 464,920; published June 6, 1944. Class 22.
Hampton Roads Paper Company, Inc., Norfolk, Va. Toilet paper. 191,637; renewed Nov. 11, 1944.
Hanf & Ringler Inc., New York, N. Y. Spices and certain food seeds and extracts. 192,399; renewed Dec. 2, 1944.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Candy. 408,579; Aug. 15. Class 46.
Hearst Corporation, The. (See International Feature Service, Inc.)
Hearst Corporation, The. (See King Features Syndicate, Inc.)

Helman, Arthur S., Inc., New York, N. Y. Rayon piece goods, and rayon and cotton piece goods. 408,574; Aug. 15, 1944. Class 42.
Henry Valve Company, Chicago, Ill. Pipeline valves. 408,478; Aug. 15; Serial No. 464,340; published June 6, 1944. Class 13.
Higgins Industries, Inc., New Orleans, La. Landing boats, motor torpedo boats, and steel and wood tugboats and barges. 408,559; Aug. 15; Serial No. 468,959; published June 6, 1944. Class 19.
Hilton Paint and Varnish Works. (See Baebi, Joseph.)
Hollinshed, Chas., Co., Inc., New York, N. Y., assignor to Frigorifico Nacional of Montevideo, Montevideo, Uruguay, South America. Dried, smoked, and salted pork and beef. 189,093; renewed Sept. 9, 1944.
Holmes, Gladys L., doing business as Londonderry, New York, N. Y. Ice cream flavor and mix base. 408,583; Aug. 15. Class 46.
Hulse Import Co. (See Hulse, M. E.)
Hulse, M. E., doing business as Hulse Import Co., San Francisco, Calif. Rum. 408,588; Aug. 15. Class 49.
Hulsh, R. R., doing business as Nabs-Oyle Co., Chicago, Ill. Drying-up and absorbent mineral. 408,475; Aug. 15; Serial No. 463,517; published June 6, 1944. Class 4.
International Feature Service, Inc., by merger to The Hearst Corporation, New York, N. Y. Cartoons. 186,929–31; renewed July 22, 1944.
International F[illegible]re Service, Inc., by mergers to The Hearst Cor[illegible]on, New York, N. Y. Cartoons. 187,160; ren[illegible] July 29, 1944.
J N T Mfg. Con[illegible] Inc., New York, N. Y. Cleaner for Venetian blind[illegible] woodwork, etc. 408,488; Aug. 15; Serial No. 466,160; published May 30, 1944. Class 4.
J N T Mfg. Company Inc., New York, N. Y. Preparation for removing stains and heat rings from varnish, lacquer, etc. 408,489; Aug. 15; Serial No. 466,166; published May 30, 1944. Class 4.
James Manufacturing Company, Fort Atkinson, Wis. Watering cups, watering pans, and feeders. 408,456; Aug. 15; Serial No. 452,447; published June 6, 1944. Class 50.
Jensen, A. B. (See Jensen & Sons Milling & Grain Co.)
Jensen & Sons Milling & Grain Co., Nelson, to A. B. Jensen, doing business as Jensen Milling & Grain Co., Wood River, Nebr., successor. Wheat flour. 186,556; renewed July 22, 1944.
Jensen Milling & Grain Co. (See Jensen, A. B.)
Johnston, Nancy. (See Lufkin, Eva E.)
K. P. Chemical Co., Stamford, Conn. Sulphonated synthetic detergents. 408,472; Aug. 15; Serial No. 463,397; published June 6, 1944. Class 4.
Kamen Soap Products Co., New York, N. Y. Scouring compound, scouring powder, toilet soap, etc. 408,605; Aug. 15. Class 4.
Kayser, Julius, & Co., New York, N. Y. Cotton, silk, cotton and silk, and art-silk piece goods. 187,733; renewed Aug. 12, 1944.
Kelley-Clarke Co., Seattle, Wash. Canned fish. 408,560; Aug. 15; Serial No. 468,960; published June 6, 1944. Class 46.
Kempton, Edward S., doing business as Kempton Parts and Spring Company, Gastonia, N. C. Bolsters. 408,542; Aug. 15; Serial No. 468,261; published May 30, 1944. Class 23.
Kempton Parts and Spring Company. (See Kempton, Edward S.)
Kilmer & Co., Incorporated. (See Kilmer, Dr., & Co., assignor.)
Kilmer, Dr., & Co., Binghamton, N. Y., assignor, by mesne assignments, to Kilmer & Co., Incorporated, Stamford, Conn. Liquid, a medicine and an ointment. 25,637; re-renewed Dec. 11, 1944.
King Brothers, Inc., Portland, Oreg. Steel fuel oil tanks. 408,466; Aug. 15; Serial No. 460,703; published June 6, 1944. Class 2.
King Features Syndicate, Inc., by merger to The Hearst Corporation, New York, N. Y. Cartoons. 186,927; renewed July 22, 1944.
King Features Syndicate, Inc., by merger to The Hearst Corporation, New York, N. Y. Cartoons. 186,967; renewed July 22, 1944.
King Features Syndicate, Inc., by merger to The Hearst Corporation, New York, N. Y. Cartoons. 187,530; renewed Aug. 5, 1944.
Kraft Cheese Company. (See Dry Buttermilk Company, assignor.)
Kraft Cheese Company. (See Red Rock Diary, assignor.)
Kraft Cheese Company. (See Richardson & Company, assignor.)
Kraft Walker Cheese Company Proprietary Limited. (See Walker, Fred, & Co. Proprietary Limited, assignor.)
Krause, Ernest W., doing business as Krause Stamping Company, Wheeling, W. Va. Thread protectors for pipe, metal protectors, etc. 408,480; Aug. 15; Serial No. 464,510; published June 6, 1944. Class 13.
Krause Stamping Company. (See Krause, Ernest W.)
La Monte, George, & Son. (See Union Lithograph Co., Inc., The, assignor.)
Levy, Jack, doing business as Gordon Products Co., A. N., New York, N. Y. Canned fish. 408,593; Aug. 15. Class 46.
Londonderry. (See Holmes, Gladys L.)
Long, Dorothy A., doing business as Dawnwood Farm, Amenia, N. Y. Salve. 408,543; Aug. 15; Serial No. 468,300; published May 30, 1944. Class 6.
Lufkin, Eva E.; G. M. Whitham and N. Johnston, administratrices of said E. E. Lufkin, deceased, assignor to C. D. Barker, Bangor, Maine. Taffy. 408,587; Aug. 15. Class 46.
Mabley and Carew Company, The, Cincinnati, Ohio. Women's and misses' dresses. 408,607; Aug. 15.
MacAdam, A. E., & Co., Inc., Brooklyn, N. Y. Reverse tuck folding cardboard cartons. 408,484; Aug. 15; Serial No. 464,975; published June 6, 1944. Class 2.
Mallinson Fabrics Corporation, New York, N. Y. Piece goods of silk, wool, cotton, etc. 408,576; Aug. 15. Class 42.
Maple Dell Candy Company, The, Columbus, Ohio. Coconut candy. 191,755; renewed Nov. 18, 1944.
Martie, R. B., Company. (See Martie, Robert B., assignor.)
Martie, Robert B., doing business as Atlanta Cleansing Products Company, assignor to R. B. Martie Company, New York, N. Y. Soap, soap powders, chip soap, sweeping compound. 188,823; renewed Sept. 2, 1944.
Marvel Tool and Machine Co., Ecorse, Mich. Live center tool. 408,457; Aug. 15; Serial No. 454,143; published May 23, 1944. Class 23.
Marvel Tool and Machine Company, River Rouge, Mich. Live center tool. 408,546; Aug. 15; Serial No. 468,345; published May 30, 1944. Class 23.
Marwyn Dairy Products Corporation, Chicago, Ill. Composition containing whey, soya and buttermilk solids. 408,486; Aug. 15; Serial No. 466,094; published June 6, 1944. Class 46.
Max Ams, Inc., New York, N. Y. Fruit jam. 408,493; Aug. 15; Serial No. 466,374; published June 6, 1944. Class 46.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodical magazine. 408,580; Aug. 15. Class 38.
Meehanite Metal Corporation, New Rochelle, N. Y. Metallurgical cupolas. 408,509; Aug. 15; Serial No. 467,284; published June 6, 1944. Class 34.
Meyenberg Milk Products Co., Salinas, Calif. Canned evaporated milk. 408,566; Aug. 15. Class 46.
Mid-Way Produce. (See Villanueva, E.)
Miller, Polk, Products Corp., Richmond, Va. Disinfectant. 408,549; Aug. 15; Serial No. 468,391; published May 30, 1944. Class 6.
Miller-Smith Hosiery Mills. (See United Hosiery Mills Corp., assignor.)
Mueller, L. J., Furnace Company, Milwaukee, Wis. Gas furnaces. 408,491; Aug. 15; Serial No. 466,332; published June 6, 1944. Class 34.
Nabs-Oyle Co. (See Hulsh, R. R.)
National Paper Box Co. Inc., West Springfield, Mass. Knock-down toy furniture. 408,460; Aug. 15; Serial No. 459,125; published June 6, 1944. Class 22.
National Plastic Products Company, Odenton, Md. Plastic electrical circuit elements. 408,492; Aug. 15; Serial No. 466,355; published June 6, 1944. Class 21.
National Ronzite Industries, Chicago, Ill. Plaques. 408,479; Aug. 15; Serial No. 464,370; published Feb. 1, 1944. Class 50.
Oakley Paint Manufacturing Company. (See Oakley, Richard H., assignor.)
Oakley, Richard H., doing business as Oakley Varnish Co., assignor to Oakley Paint Manufacturing Company, Los Angeles, Calif. Paint enamels. 185,429; renewed June 17, 1944.
Oakley Varnish Co. (See Oakley, Richard H., assignor.)
Oliver Farm Equipment Company, Chicago, Ill. Stationery and pick-up balers. 408,511; Aug. 15; Serial No. 467,357; published May 23, 1944. Class 23.
Overton, Anthony, doing business as The Overton-Hygienic Mfg. Co. and also doing business as Overton-Hygienic Co. and The Overton-Hygienic Mfg. Co., assignor to the Overton-Hygienic Mfg. Co., Chicago, Ill. Shaving cream, shampoo soap, toilet soap, etc. 187,476; renewed Aug. 5, 1944.
Overton, Anthony, doing business as The Overton-Hygienic Mfg. Co., assignor to The Overton-Hygienic Mfg. Co., Chicago, Ill. Face powders, talcum powders, face creams, etc. 187,709; renewed Aug. 12, 1944.
Overton-Hygienic Co. (See Overton, Anthony.)
Overton-Hygienic Mfg. Co., The. (See Overton, Anthony, assignor.)
Packer Machine Company, The, Meriden, Conn. Polishing and buffing machines. 408,544; Aug. 15; Serial No. 468,305; published May 30, 1944. Class 23.
Paragon Machine Tool Corporation, San Leandro, Calif. Lathes and hydraulic power saws. 408,538; Aug. 15; Serial No. 468,150; published May 23, 1944. Class 23.
Parmenter, Sherman L., New York, N. Y., assignor to The American Crayon Company, Sandusky, Ohio. Transfer sets containing crayons, pencils, brushes, etc. 190,201; renewed Oct. 7, 1944.
Perkins Products Company, Chicago, Ill. Chewing gum. 408,568–9; Aug. 15. Class 46.
Peter Paul Candy Manufacturing Company, Incorporated, to Peter Paul Incorporated, Naugatuck, Conn., successor. Candy. 191,887; renewed Nov. 18, 1944.

Peter Paul Incorporated. (See Peter Paul Candy Manufacturing Company, Incorporated.)
Phelps Associates, New York, N. Y. Garment belts. 408,514; Aug. 15; Serial No. 467,466; published July 11, 1944. Class 39.
Phillips, Ed., & Sons Company, Minneapolis, Minn. Whiskey. 408,535; Aug. 15; Serial No. 468,089; published May 2, 1944. Class 49.
Prescott, J. L., Company, New York, N. Y. Shoe dressing. 192,657; renewed Dec. 9, 1944.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair brushes. 408,551; Aug. 15; Serial No. 468,473; published June 6, 1944. Class 29.
Quaker Chemical Products Corporation, Conshohocken, Pa. Oils. 408,528; Aug. 15; Serial No. 467,862; published June 6, 1944. Class 15.
R and R Plastics Inc., West Springfield, Mass. Hammers. 408,545; Aug. 15; Serial No. 468,307; published May 30, 1944. Class 23.
Ralston Purina Company, St. Louis, Mo. Turkey poults. 408,564; Aug. 15; Serial No. 469,578; published June 6, 1944. Class 46.
Red Rock Dairy, Tigard, Oreg., assignor to Kraft Cheese Company, Chicago, Ill. Dairy products. 185,436; renewed June 17, 1944.
Richardson & Company, Lowville, N. Y., assignor, by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Cheese. 191,886; renewed Nov. 18, 1944.
Rissman, John, & Son, Inc. (See Signal Shirt Company, assignor.)
Roberts and Schaefer Company, Chicago, Ill. Screens, picking tables, loading booms, etc. 190,891; renewed Oct. 28, 1944.
Roberts and Schaefer Company, Chicago, Ill. Screens, picking tables, loading booms, etc. 190,961; renewed Oct. 28, 1944.
Robison, Floyd L., Fort Smith, Ark. Beverage and food coolers and refrigerator boxes. 408,594; Aug. 15. Class 31.
Rolins Company, New York, N. Y. Stampings and forgings. 408,584; Aug. 15. Class 14.
Rosal Laboratories Limited, Miami, Fla., and Philadelphia, Pa. Perfumes, toilet water, cold cream, etc. 408,471; Aug. 15; Serial No. 463,236; published May 30, 1944. Class 6.
Rosenholz, J., Inc., New York, N. Y. Piece goods. 408,590; Aug. 15. Class 42.
SafeTspra Company. (See Daum, Henry F.)
Safticycles, Inc., La Crosse, Wis. Motor scooters. 408,582; Aug. 15. Class 19.
Schenley Distributors, Inc., New York, N. Y. Brandy. 408,504; Aug. 15; Serial No. 467,076; published Apr. 18, 1944. Class 49.
Schratz Products, Detroit, Mich. Toilet and bath detergent preparations. 408,604; Aug. 15. Class 4.
Seabrook Company, Bridgetown, to Seabrook Farms Co., Upper Deerfield Township, N. J., successor. Fresh stone and pome fruits, fresh strawberries, fresh vegetables, etc. 184,841; renewed June 3, 1944.
Seabrook Farms Co. (See Seabrook Company.)
Seigel Bros. Garment Corp., New York, N. Y. Woolen and worsted fabrics. 408,601; Aug. 15. Class 42.
Servicised Products Company. (See Fischer, Albert C.)
Shewan-Jones, Inc., New York, N. Y. Brandy. 408,572; Aug. 15. Class 49.
Shiva Food Products Co., New York, N. Y. Fruit chutney. 408,497; Aug. 15; Serial No. 466,864; published June 6, 1944. Class 46.
Siegel Bros. Garment Corp., New York, N. Y. Woolen and worsted fabrics. 408,595; Aug. 15. Class 42.
Signal Shirt Company, Racine, Wis., assignor to John Rissman & Son, Inc., Chicago, Ill. Work shirts, dress shirts, flannel shirts, etc. 190,103; renewed Oct. 7, 1944.
Sinclair, Max, Los Angeles, Calif. Shellac applying brushes and shellac applying mops. 408,516; Aug. 15; Serial No. 467,584; published June 6, 1944. Class 29.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Piece goods of rayon or cotton and/or combinations thereof. 408,512; Aug. 15; Serial No. 467,382; published May 16, 1944. Class 42.
Skol Company, Inc., New York, N. Y. Insect repellent lotion. 408,525; Aug. 15; Serial No. 467,796; published May 30, 1944. Class 6.
Smith, Bryan, Farms. (See Smith, Bryan S.)
Smith, Bryan S., doing business as Bryan Smith Farms, Bakersfield, Calif. Fresh vegetables. 408,552; Aug. 15; Serial No. 468,478; published June 6, 1944. Class 46.
Smith, Kline & French Company, assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Medicine for diseases of the nervous system. 192,540; renewed Dec. 9, 1944.
Smith, Kline & French Laboratories. (See Smith, Kline & French Company, assignor.)
Smith, Landon P., Inc., Irvington, N. J. Holders for razor blades. 408,537; Aug. 15; Serial No. 468,126; published May 23, 1944. Class 23.
Smith, Lois I., Klamath Falls, Oreg. Polish. 408,454; Aug. 15; Serial No. 444,204; published May 30, 1944. Class 4.
Société Anonyme Ed. Laurens "Le Khedive" Extension Suisse, Geneva, Switzerland. Cigarettes. 190,151; renewed Oct. 7, 1944.
Soules & Soules, Los Angeles, Calif. Cotton and rayon fabrics in the piece. 408,602; Aug. 15. Class 42.
Standard Pharmaceutical Co. (See Berger, Herman.)
Stein, Hall Manufacturing Company, Chicago, Ill. Dextrinized or modified starch product. 408,530; Aug. 15; Serial No. 467,902; published June 6, 1944. Class 5.
Steinfeld Blouse & Sportswear Co., New York, N. Y. Ladies' wearing apparel. 408,600; Aug. 15. Class 39.
Steinwender, Stoffregen & Co., to Steinwender, Stoffregen & Co., New York, N. Y., successor. Green coffee. 184,642–3; renewed May 27, 1944.
Stipp, Earnest V., Waterloo, Iowa. Games. 408,481; Aug. 15; Serial No. 464,592; published July 6, 1944. Class 22.
Sulpho-Naphthol Company, The, Boston, Mass. Disinfectant. 188,692; renewed Sept. 2, 1944.
Sulpho-Naphthol Company, The, Boston, Mass. Liquid soap. 188,810; renewed Sept. 2, 1944.
Sulpho-Naphthol Company, The, Boston, Mass. Antiseptic ointment for cuts, burns, sores, etc. 191,475; renewed Nov. 11, 1944.
Suntex, Inc., New York, N. Y. Treated cotton duck fabrics. 408,567; Aug. 15. Class 42.
Tailor Made Belt Co. (See Zakarin, Louis.)
Thall, David, doing business as Thall's Home Remedies, Manchester, N. H. Cough syrup, a nervine, a nutritive tonic, etc. 408,533; Aug. 15; Serial No. 468,048; published May 30, 1944. Class 6.
Thall's Home Remedies. (See Thall, David.)
Toch Brothers, Incorporated, New York, to Toch Brothers, Incorporated, Staten Island, N. Y. Coating composition. 187,983; renewed Aug. 12, 1944.
Tolerton & Warfield Company, Sioux City, Iowa. Sliced beef, mincemeat, canned soups, etc. 192,794; renewed Dec. 9, 1944.
Tone Laboratories, Inc., New York, N. Y. Leg tinting or make-up cosmetic. 408,464–5; Aug. 15; Serial Nos. 460,483–4; published Aug. 3, 1943. Class 6.
Tremco Manufacturing Company, The, Cleveland, Ohio. Ready-mixed paint. 408,563; Aug. 15; Serial No. 469,173; published June 6, 1944. Class 16.
Tugend, Emanuel, doing business as Filmon Company, Buffalo, N. Y. Protective coating and emollient to keep the hands free from dirt, grease and grime. 408,473; Aug. 15; Serial No. 463,469; published Dec. 28, 1943. Class 6.
U. S. Industrial Chemicals, Inc., New York, N. Y. Anticorrosion compound. 408,547; Aug. 15; Serial No. 468,358; published May 30, 1944. Class 6.
Union Aircraft Products Corporation, New York, N. Y. Shielding conduit fittings for electrical wiring. 408,498–501; Aug. 15; Serial Nos. 466,960–3; published June 6, 1944. Class 21.
Union Lithograph Co., Inc., The, Los Angeles, Calif., assignor to George La Monte & Son, Nutley, N. J. Commercial paper. 187,942; renewed Aug. 12, 1944.
United Distillers Products Corp., Amston, Conn. Whiskey. 408,591; Aug. 15. Class 49.
United Hosiery Mills Corp., assignor, by mesne assignments, to Miller-Smith Hosiery Mills, Chattanooga, Tenn. Hosiery. 186,869; renewed July 22, 1944.
United States Rubber Company, New York, N. Y. Sound damping laminated impregnated paper. 408,502; Aug. 15; Serial No. 466,964; published June 6, 1944. Class 12.
Varden Dress Company. (See Varden Dress, Inc., assignor.)
Varden Dress, Inc., New York, N. Y., assignor to Varden Dress Company, New York, N. Y. Women's and misses' dresses and suits. 408,570; Aug. 15. Class 39.
Varnlton Company, The, Los Angeles, Calif. Chemical catalyst for combination with chemicals in academic demonstrations. 408,513; Aug. 15; Serial No. 467,417; published May 30, 1944. Class 6.
Villanueva, E., doing business as Mid-Way Produce, Los Angeles, Calif. Fresh vegetables. 408,554; Aug. 15; Serial No. 468,654; published June 6, 1944. Class 46.
Vintage Wines Inc., New York, N. Y. Sherry and other wines. 408,603; Aug. 15. Class 47.
Walker, Fred, & Co. Proprietary Limited, Melbourne, Victoria, assignor to Kraft Walker Cheese Company Proprietary Limited, South Melbourne, Victoria, Australia. Meat extracts. 166,873; renewed Apr. 17, 1943.
Warren-Teed Products Company, The, Columbus, Ohio. Vitamin preparation. 408,571; Aug. 15. Class 6.
Wawak Company Inc., Chicago, Ill. Piece goods. 408,462; Aug. 15; Serial No. 459,611; published May 30, 1944. Class 42.
Weezel Bait Co., The, Cincinnati, Ohio. Fishing lures. 408,510; Aug. 15; Serial No. 467,329; published Apr. 18, 1944. Class 22.
Wella Corporation, The, New York, N. Y. Permanent wave solution. 408,550; Aug. 15; Serial No. 468,404; published May 30, 1944. Class 6.
White Rock Mineral Springs Company, New York, N. Y. Mineral water, ginger ale, sarsaparilla, etc. 408,553; Aug. 15; Serial No. 468,550; published May 30, 1944. Class 45.

Willette, Elizabeth A. (See Willette, Joe J. and E. A.)
Willette, Joe J., and Elizabeth A. Willette, North Ellsworth, Maine. Liniment. 408,505; Aug. 15; Serial No. 467,141; published May 30, 1944. Class 6.
Williams, Furman, Canadian, Tex. Cosmetic ash. 408,485; Aug. 15; Serial No. 465,330; published May 301,944. Class 6.
Wilson, Caliste V., doing business as Cottie-Wilson Laboratories, North Hollywood, Calif. Sulfhydril bearing solutions and sulfhydril bearing ointments. 408,581; Aug. 15. Class 6.
Witham, Grace M. (See Lufkin, Eva E.)
Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning, cleansing, and detergent material. 408,482; Aug. 15; Serial No. 464,843; published June 6, 1944. Class 4.
Zakarin, Louis, doing business as Tailor Made Belt Co., New York, N. Y. Toy gun belts and holsters. 408,515; Aug. 15; Serial No. 467,507; published June 6, 1944. Class 22.
Zendman, L. Inc., New York, N. Y. Lace and netted fabric. 408,556; Aug. 15; Serial No. 468,861; published May 30, 1944. Class 42.
Zendman, L. Inc., New York, N. Y. Lace and netted fabric. 408,598–9; Aug. 15. Class 42.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Pots, Flower. A. C. Fischer. 408,463; Aug. 15; Serial No. 459,925; published June 6, 1944.
Reverse tuck folding cardboard cartons. A. E. MacAdam & Co. 408,484; Aug. 15; Serial No. 464,975; published June 6, 1944.
Tanks, Steel fuel oil. King Brothers, Inc. 408,466; Aug. 15; Serial No. 460,703; published June 6, 1944.

CLASS 4

Chemical paste. Brico Corporation. 408,495; Aug. 15; Serial No. 466,524; published May 30, 1944.
Cleaner for Venetian blinds, woodwork, etc. J N T Mfg. Company Inc. 408,488; Aug. 15; Serial No. 466,160; published May 30, 1944.
Cleaning, cleansing and detergent material. Wyandotte Chemicals Corporation. 408,482; Aug. 15; Serial No. 464,843; published June 6, 1944.
Cleaning, scouring and polishing compound. Bray Chemical Co. 408,470; Aug. 15; Serial No. 462,902; published June 6, 1944.
Compound, Cleaning, scouring and polishing. Bray Chemical Co. 408,469; Aug. 15; Serial No. 462,901; published Dec. 7, 1943.
Cream, shampoo soap, toilet soap, etc., Shaving. A. Overton. 187,476 renewed Aug. 5, 1944.
Dressing, Shoe. J. L. Prescott Company. 192,657; renewed Dec. 9, 1944.
Drying-up and absorbent mineral compound. R. R. Hulsh. 408,475; Aug. 15; Serial No. 463,517; published June 6, 1944.
Lathering, emollient and detergent preparation. Fairchild Bros. and Foster. 408,558; Aug. 15; Serial No. 468,956; published May 30, 1944.
Liquid cleaner. H. F. Daum. 408,606; Aug. 15.
Polish. L. I. Smith. 408,454; Aug. 15; Serial No. 444,204; published May 30, 1944.
Powder, Cleansing. Bray Chemical Co. 408,507; Aug. 15; Serial No. 467,182; published June 6, 1944.
Powder, Toilet bowl cleansing. Bray Chemical Co. 408,506; Aug. 15; Serial No. 467,183; published June 6, 1944.
Preparation for removing stains and heat rings from varnish, lacquer, etc. J N T Mfg. Company Inc. 408,489; Aug. 15; Serial No. 466,166; published May 30, 1944.
Scouring compound, scouring powder, toilet soap, etc. Kamen Soap Products Co. 408,605; Aug. 15.
Soap, Liquid. Sulpho-Napthol Company. 188,810; renewed Sept. 2, 1944.
Soap, soap powders, chip soap, sweeping compound. R. B. Martie. 188,823; renewed Sept. 2, 1944.
Soaps, Toilet. Associated Distributed. 408,529; Aug. 15; Serial No. 467,868; published June 6, 1944.
Sulphonated synthetic detergents. K. P. Chemical Co. 408,472; Aug. 15; Serial No. 463,397; published June 6, 1944.
Toilet and bath detergent preparations. Schratz Products. 408,604; Aug. 15.
Washing powder. Chemo Products Co. 151,429; renewed Nov. 11, 1944.

CLASS 6

Agricultural fungicide. E. I. du Pont de Nemours and Company. 408,524; Aug. 15; Serial No. 467,781; published May 30, 1944.
Anti-corrosion compound. U. S. Industrial Chemicals, Inc. 408,547; Aug. 15; Serial No. 468,358; published May 30, 1944.
Antiseptic ointment for cuts, burns, sores, etc. Sulpho-Napthol Company. 191,475; renewed Nov. 11, 1944.
Chemical catalyst for combination with chemicals in academic demonstrations. Varniton Company. 408,513; Aug. 15; Serial No. 467,417; published May 30, 1944.
Chemical compound. Firestone Tire & Rubber Company. 408,548; Aug. 15; Serial No. 468,378; published May 30, 1944.
Chemical preparation. Comfort Mfg. Co. 190,492; renewed Oct. 14, 1944.
Cosmetic ash. F. Williams. 408,485; Aug. 15; Serial No. 465,330; published May 30, 1944.
Creams and perfume, Toilet. Maria Danica Laboratories Corporation. 408,476; Aug. 15; Serial No. 463,728; published Jan. 4, 1944.
Disinfectant. Polk Miller Products Corp. 408,549; Aug. 15; Serial No. 468,391; published May 30, 1944.
Disinfectant. Sulpho-Napthol Company. 188,692; renewed Sept. 2, 1944.
Emollient to keep the hands free from dirt, grease and grime, Protective coating and. Emanuel Tugend. 408,473; Aug. 15; Serial No. 463,469; published Dec. 28, 1943.
Insect repellent lotion. Skol Company. 408,525; Aug. 15; Serial No. 467,796; published May 30, 1944.
Laxatives. H. Berger. 408,477; Aug. 15; Serial No. 463,923; published May 30, 1944.
Liniment. J. J. Willette and E. A. Willette. 408,505; Aug. 15; Serial No. 467,141; published May 30, 1944.
Liquid, a medicine and an ointment. Dr. Klimer & Co. 25,637; re-renewed Dec. 11, 1944.
Medicinal preparation. G. E. Burcher. 184,362; renewed May 20, 1944.
Medicine for diseases of the nervous system. Smith, Kline & French Company. 192,540; renewed Dec. 9, 1944.
Nasal drops, nasal spray, and throat spray. Broemmel's Pharmaceuticals. 408,531; Aug. 15; Serial No. 467,957; published May 30, 1944.
Perfumes, toilet water, cold cream, etc. Rosal Laboratories Limited. 408,471; Aug. 15; Serial No. 463,236; published May 30, 1944.
Permanent wave solution. Wella Corporation. 408,550; Aug. 15; Serial No. 468,404; published May 30, 1944.
Powder in cake form, Face. Comfort Manufacturing Co. 188,454; renewed Aug. 26, 1944.
Powders, talcum powders, face creams, etc., Face. A. Overton. 187,709; renewed Aug. 12, 1944.
Preparation derived from starch conversion products. American Maize-Products Company. 408,536; Aug. 15. Serial No. 468,101; published May 30, 1944.
Salve. D. A. Long. 408,543; Aug. 15; Serial No. 468,300; published May 30, 1944.
Starch product, Dextrinized or modified. Stein, Hall Manufacturing Company. 408,530; Aug. 15; Serial No. 467,902; published June 6, 1944.
Sulfhydril bearing solutions and sulfhydril bearing ointments. C. V. Wilsom. 408,581; Aug. 15.
Syrup, a nervine, a nutritive tonic, etc., Cough. D. Thall. 408,533; Aug. 15; Serial No. 468,048; published May 30, 1944.
Tinting or make-up cosmetic, Leg. Tone Laboratories, Inc. 408,464–5; Aug. 15; Serial Nos. 460,483–4; published Aug. 3, 1943.
Vitamin preparation. Warren-Teed Products Company. 408,571; Aug. 15.

CLASS 12

Construction materials. D. J. De Stefano. 408,586; Aug. 15.
Fibre and binders, Asbestos. G-L Products. 408,585; Aug. 15.
Paper, Sound damping laminated impregnated. United States Rubber Company. 408,502; Aug. 15; Serial No. 466,964; published June 6, 1944.

CLASS 13

Pipe fittings and valves, Steam, water and gas. Grinnell Company. 188,483; renewed Aug. 26, 1944.
Protectors for pipe, metal protectors, etc., Thread. E. W. Krause. 408,480; Aug. 15; Serial No. 464,510; published June 6, 1944.
Valves, Pipeline. Henry Valve Company. 408,478; Aug. 15; Serial No. 464,340; published June 6, 1944.

CLASS 14

Stampings and forgings. Rolins Company. 408,584; Aug. 15.

CLASS 15

Oils. Quaker Chemical Products Corporation. 408,528; Aug. 15; Serial No. 467,862; published June 6, 1944.

CLASS 16

Coating composition. Toch Brothers. 187,983; renewed Aug. 12, 1944.

Enamels, Paint. R. H. Oakley. 185,429; renewed June 17, 1944.
Paint, Ready-mixed. Tremco Manufacturing Company. 408,563; Aug. 15; Serial No. 469,173; published June 6, 1944.
Paints; prepared shellacs; washable wall paint, etc., Ready-mixed. J. Baebi. 408,527; Aug. 15; Serial No. 467,838; published June 6, 1944.
Shellac, orange shellac, button lac, etc., Gum. Angelo Bros. Limited. 192,549; renewed Dec. 9, 1944.

CLASS 17

Cigarette. Société Anonyme Ed. Laurens "Le Khedive" Extension Suisse. 190,151; renewed Oct. 7, 1944.
Cigars. Ehrman Bros., Horn & Company. 190,974–6; renewed Oct. 28, 1944.

CLASS 19

Airplanes and structural parts thereof. Bell Aircraft Corporation. 408,503; Aug. 15; Serial No. 467,013; published June 6, 1944.
Amphibious automotive vehicles. Amphibian Car Corporation. 408,521–2; Aug. 15; Serial Nos. 467,744–5; published June 6, 1944.
Boats and sails therefor, Sail. D. B. Abbott. 408,508; Aug. 15; Serial No. 467,216; published June 6, 1944.
Boats and sails therefor, Sail. D. B. Abbott. 408,518; Aug. 15; Serial No. 467,638; published June 6, 1944.
Boats and sails therefor, Sail. D. B. Abbott. 408,523; Aug. 15; Serial No. 467,778; published June 6, 1944.
Boats and sails therefor, Sail. D. B. Abbott. 408,526; Aug. 15; Serial No. 467,835; published June 6, 1944.
Boats, motor torpedo boats, and steel and wood tugboats and barges, Landing. Higgins Industries, Inc. 408,559; Aug. 15; Serial No. 468,959; published June 6, 1944.
Scooters, Motor. Safticycles, Inc. 408,582; Aug. 15.

CLASS 21

Circuit elements, Plastic electrical. National Plastic Products Company. 408,492; Aug. 15; Serial No. 466,355; published June 6, 1944.
Electrical equipment for gasoline and electric motor cars, etc. Briggs & Stratton Company. 184,010; renewed May 13, 1944.
Regulators, Voltage. Electric Machinery Mfg. Company. 408,468; Aug. 15; Serial No. 462,279; published Nov. 16, 1943.
Shielding conduit fittings for electrical wiring. Union Aircraft Products Corporation. 408,498–501; Aug. 15; Serial Nos. 466,960–3; published June 6, 1944.

CLASS 22

Bubble making devices. C. H. Hagopian; 408,483; Aug. 15; Serial No. 464,920; published June 6, 1944.
Games. E. V. Stipp. 408,481; Aug. 15; Serial No. 464,592; published June 6, 1944.
Fishing lures. Weezel Bait Co. 408,510; Aug. 15; Serial No. 467,329; published Apr. 18, 1944.
Toy furniture, Knock-down. National Paper Box Co. Inc. 408,460; Aug. 15; Serial No. 459,125; published June 6, 1944.
Toy gun belts and holsters. L. Zakarin. 408,515; Aug. 15; Serial No. 467,507; published June 6, 1944.
Transfer sets containing crayons, pencils, brushes, etc. S. L. Parmenter. 190,201; renewed Oct. 7, 1944.

CLASS 23

Balers, Stationary and pick-up. Oliver Farm Equipment Company. 408,511; Aug. 15; Serial No. 467,357; published May 23, 1944.
Bolsters. E. S. Kempton. 408,542; Aug. 15; Serial No. 468,261; published May 30, 1944.
Garden seeder, Hand. American Soil Products Co. 408,520; Aug. 15; Serial No. 467,743; published May 23, 1944.
Hammers. R and R Plastics Inc. 408,545; Aug. 15; Serial No. 468,307; published May 30, 1944.
Holders for razor blades. Landon P. Smith, Inc. 408,537; Aug. 15; Serial No. 468,126; published May 23, 1944.
Knives and electric razors, Pocket. Eisenstadt Manufacturing Company. 408,474; Aug. 15; Serial No. 463,479; published May 16, 1944.
Lathes and hydraulic power saws. Paragon Machine Tool Corporation. 408,538; Aug. 15; Serial No. 468,150; published May 23, 1944.
Polishing and buffing machines. Packer Machine Company. 408,544; Aug. 15; Serial No. 468,305; published May 30, 1944.
Pump and ram units and vises, Hydraulic. Brucon Company. 408,467; Aug. 15; Serial No. 461,887; published May 23, 1944.
Reels, Mechanics self-chalking line. Cedarberg Manufacturing Company. 408,519; Aug. 15; Serial No. 467,686; published May 30, 1944.
Saws, Band. Doall Company. 408,487; Aug. 15; Serial No. 466,149; published May 30, 1944.
Screens, picking tables, loading booms, etc. Roberts and Schaefer Company. 190,891; renewed Oct. 28, 1944.
Screens, picking tables, loading booms, etc. Roberts and Schaefer Company. 190,961; renewed Oct. 28, 1944.
Tool, Live center. Marvel Tool and Machine Company. 408,546; Aug. 15; Serial No. 468,345; published May 30, 1944.
Tool, Live center. Marvel Tool and Machine Co. 408,457; Aug. 15; Serial No. 454,143; published May 23, 1944.

CLASS 26

Patterns, Paper dress. Condé Nast Publications, Inc. 408,562; Aug. 15; Serial No. 469,035; published June 6, 1944.

CLASS 29

Brushes and shellac applying mops, Shellac applying. M. Sinclair. 408,516; Aug. 15; Serial No. 467,584; published June 6, 1944.
Brushes, Hair. Pro-Phy-Lac-Tic Brush Company. 408,551; Aug. 15; Serial No. 468,473; published June 6, 1944.
Mops, Floor. Gem Products, Inc. 408,541; Aug. 15; Serial No. 468,252; published June 6, 1944.

CLASS 31

Beverage and food coolers and refrigerator boxes. F. L. Robison. 408,594; Aug. 15.

CLASS 32

Tables, Foldable combination seat. P. E. Brandwen. 408,461; Aug. 15; Serial No. 459,395; published June 6, 1944.

CLASS 34

Cupolas, Metallurgical. Mechanite Metal Corporation. 408,509; Aug. 15; Serial No. 467,284; published June 6, 1944.
Furnaces, Gas. L. J. Mueller Furnace Company. 408,491; Aug. 15; Serial No. 466,332; published June 6, 1944.

CLASS 35

Tires, Pneumatic. Dayton Rubber Manufacturing Company. 408,555; Aug. 15; Serial No. 468,781; published June 6, 1944.
Tires, Pneumatic rubber. Corduroy Tire Company. 190,485; renewed Oct. 14, 1944.

CLASS 36

Musical string instruments, musical band instruments, etc. Barth-Feinberg, Inc. 408,455; Aug. 15; Serial No. 445,912; published June 6, 1944.

CLASS 37

Chalk, Dustless. American Crayon Company. 192,643; renewed Dec. 9, 1944.
Chalk, Dustless. American Crayon Company. 192,644; renewed Dec. 9, 1944.
Crayons. American Crayon Company. 191,587–9; renewed Nov. 11, 1944.
Crayons. American Crayon Company. 191,591; renewed Nov. 11, 1933.
Crayons, water colors. American Crayon Company. 191,590; renewed Nov. 11, 1944.
Crayons. American Crayon Company. 192,495; renewed Dec. 9, 1944.
Crayons. American Crayon Company. 192,807–9; renewed Dec. 9, 1944.
Crayons. American Crayon Company. 192,811; renewed Dec. 9, 1944.
Crayons, Wax. American Crayon Company. 192,810; renewed Dec. 9, 1944.
Crayons, Wax. American Crayon Company. 192,812; renewed Dec. 9, 1944.
Paper, Commercial. Union Lithograph Co. 187,942; renewed Aug. 12, 1944.
Paper, Toilet. Hampton Roads Paper Company. 191,637; renewed Nov. 11, 1944.
Pencils, Paper. American Crayon Company. 192,642; renewed Dec. 9, 1944.

CLASS 38

Cartoons. King Features Syndicate, Inc. 186,927; renewed July 22, 1944.
Cartoons. International Feature Service, Inc. 186,929–31; renewed July 22, 1944.
Cartoons. International Feature Service, Inc. 187,160; renewed July 29, 1944.
Cartoons. King Features Syndicate, Inc. 187,530; renewed Aug. 5, 1944.
Cartoons. King Features Syndicate, Inc. 186,967; renewed July 22, 1944.
Magazine, Periodical. McGraw-Hill Publishing Company. 408,580; Aug. 15.

CLASS 39

Belts, Garment. Phelps Associates. 408,514; Aug. 15; Serial No. 467,466; published July 11, 1944.
Dresses and suits, Women's and misses'. Varden Dress, Inc. 408,570; Aug. 15.
Dresses, frocks and blouses, Women's, misses' and juniors'. Alex Carafiol, Inc. 408,597; Aug. 15.
Dresses, Women's and misses'. Irene Dare Company. 408,578; Aug. 15.

Dresses, Women's and misses'. Mabley and Carew Company. 408,607; Aug. 15.
Hosiery. M. D. Barnett. 185,486; renewed June 17, 1944.
Hosiery. United Hosiery Mills Corp. 186,869; renewed July 22, 1944.
Overcoats, Men's. Wm. P. Goldham & Bros. Inc. 186,924; renewed July 22, 1944.
Shirts, dress shirts, flannel shirts, etc., Work. Signal Shirt Company. 190,103; renewed Oct. 7, 1944.
Wearing apparel, Ladies'. Steinfeld Blouse & Sportswear Co. 408,600; Aug. 15.

CLASS 40

Combs and hat fasteners, Coiffure. Diadem, Inc. 408,458–9; Aug. 15; Serial Nos. 455,257–8; published May 23, 1944.
Laces, braids, hand-work trimmings, etc. Edgecraft Company. 408,589; Aug. 15.

CLASS 42

Cotton duck fabrics, Treated. Suntex, Inc. 408,567; Aug. 15.
Cotton, silk, cotton and silk, and art-silk piece goods. Julius Kayser & Co. 187,733; renewed Aug. 12, 1944.
Fabric, Lace and netted. I. Zendman, Inc. 408,598–9; Aug. 15.
Fabrics, Cotton textile. Everfast Fabrics, Inc. 408,592; Aug. 15.
Fabrics in the piece, Cotton and rayon. Soules & Soules. 408,602; Aug. 15.
Fabrics, Woolen and worsted. Siegel Bros. Garment Corp. 408,595; Aug. 15.
Fabrics, Woolen and worsted. Siegel Bros. Garment Corp. 408,601; Aug. 15.
Lace and netted fabric. I. Zendman Inc. 408,556; Aug. 15; Serial No. 468,861; published May 30, 1944.
Piece goods. J. Rosenholz, Inc. 408,590; Aug. 15.
Piece goods. Wawak Company Inc. 408,462; Aug. 15; Serial No. 459,611; published May 30, 1944.
Piece goods of rayon or cotton and/or combinations thereof. William Skinner & Sons. 408,512; Aug. 15; Serial No. 467,382; published May 16, 1944.
Piece goods, and rayon and cotton piece goods, Rayon. Arthur S. Heiman, Inc. 408,574; Aug. 15.
Piece goods of silk, wool, cotton, etc. Mallinson Fabrics Corporation. 408,576; Aug. 15.
Piece goods, Woolen. Forstmann Woolen Co. 408,532; Aug. 15; Serial No. 467,969; published May 30, 1944.
Ribbons, Textile. General Ribbon Mills, Inc. 408,565; Aug. 15.
Woolen piece goods. Forstmann Woolen Company. 408,577; Aug. 15.

CLASS 45

Mineral water, ginger ale, sarsaparilla, etc. White Rock Mineral Springs Company. 408,553; Aug. 15; Serial No. 468,550; published May 30, 1944.

CLASS 46

Beef, mincemeat, canned soups, etc., Sliced. Tolerton & Warfield Company. 192,794; renewed Dec. 9, 1944.
Candy. Hawaiian Pineapple Company, Ltd. 408,579; Aug. 15.
Candy. Peter Paul Candy Manufacturing Company. 191,887; renewed Nov. 18, 1944.
Candy, Chocolate brittle. Brown & Haley. 191,430; renewed Nov. 11, 1944.
Candy, Coconut. Maple Dell Candy Company. 191,755; renewed Nov. 18, 1944.
Canned evaporated milk. Meyenberg Milk Products Co. 408,566; Aug. 15.
Canned fish. Beacon Importing Co. 408,561; Aug. 15; Serial No. 468,995; published June 6, 1944
Canned fish. Kelley-Clarke Co. 408,560; Aug. 15; Serial No. 468,960; published June 6, 1944.
Canned fish. J. Levy. 408,593; Aug. 15.
Canned fruits, canned vegetables, and canned fruit juices. Barron-Gray Packing Company. 408,575; Aug. 15.
Canned vegetables. Greenmount Canning Co. 187,250; renewed July 29, 1944.
Cheese. Richardson & Company. 191,886; renewed Nov. 18, 1944.
Coffee. Bowers Bros. Inc. 408,557; Aug. 15; Serial No. 468,944; published June 6, 1944.
Coffee, Green. Steinwender, Stoffregen & Co. 184,642–3; renewed May 27, 1944.
Composition containing whey, soya and buttermilk solids. Marwyn Dairy Products Corporation. 408,486; Aug. 15; Serial No. 466,094; published June 6, 1944.
Dairy products. Red Rock Dairy. 185,436; renewed June 17, 1944.
Extracts, Meat. Fred Walker & Co. Proprietary Limited. 166,873; renewed Apr. 17, 1943.
Flour, graham flour, self-rising buckwheat flour, etc., Pastry. J. J. Bartholomew & Sons, Inc. 186,539; renewed July 22, 1944.
Flour, Wheat. Jensen & Sons Milling & Grain Co. 186,556; renewed July 22, 1944.
Fruit chutney. Shiva Food Products Co. 408,497; Aug. 15; Serial No. 466,864; published June 6, 1944.
Fruits, fresh strawberries, fresh vegetables, etc., Fresh stone and pome. Seabrook Company. 184,841; renewed June 3, 1944.
Gum, Chewing. Perkins Products Company. 408,568–9; Aug. 15.
Ice cream flavor and mix base. G. L. Holmes. 408,583; Aug. 15.
Jam, Fruit. Max Ams, Inc. 408,493; Aug. 15; Serial No. 466,374; published June 6, 1944.
Pork and beef, Dried, smoked, and salted. Chas. Hollinshed Co. 189,093; renewed Sept. 9, 1944.
Poultry, Dressed. California Poultry Company. 188,936; renewed Sept. 9, 1944.
Powder, Dehydrated pasteurized sweet-cream buttermilk. Dry Buttermilk Company. 188,155; renewed Aug. 19, 1944.
Powdered, Dehydrated pasteurized sweet-cream buttermilk. Dry Buttermilk Company. 190,730; renewed Oct. 21, 1944.
Powdered ingredients. P. C. Bragg. 408,534; Aug. 15; Serial No. 468,063; published June 6, 1944.
Spices, and certain food seeds and extracts. Hanf & Ringler Inc. 192,399; renewed Dec. 2, 1944.
Starch. Corn Products Refining Company. 408,490; Aug. 15; Serial No. 466,302; published June 6, 1944.
Taffy. E. E. Lufkin. 408,587; Aug. 15.
Turkey poults. Ralston Purina Company. 408,564; Aug. 15; Serial No. 469,578; published June 6, 1944.
Vegetables, Fresh. B. S. Smith. 408,552; Aug. 15; Serial No. 468,478; published June 6, 1944.
Vegetables, Fresh. E. Villanueva. 408,554; Aug. 15; Serial No. 468,654; published June 6, 1944.

CLASS 47

Sherry and other wines. Vintage Wines Inc. 408,603; Aug. 15.
Wine. California Growers Wineries. 408,573; Aug. 15.
Wines. A. Antonacci. 408,496; Aug. 15; Serial No. 466,819; published May 9, 1944.

CLASS 49

Brandy. Schenley Distributors, Inc. 408,504; Aug. 15; Serial No. 467,076; published Apr. 18, 1944.
Brandy. Shewan-Jones, Inc. 408,572; Aug. 15.
Liqueurs. Cameo Vineyards Co. 408,517; Aug. 15; Serial No. 467,589; published May 2, 1944.
Rum. M. E. Hulse. 408,588; Aug. 15.
Spirits, Distilled. Distilled Liquors Import Co., Inc. 408,596; Aug. 15.
Whiskey. Ed. Phillips & Sons Company. 408,535; Aug. 15; Serial No. 468,089; published May 2, 1944.
Whiskey. United Distillers Products Corp. 408,591; Aug. 15.
Whiskey, gin, brandy, etc. Gibson Distilling Company. 408,494; Aug. 15; Serial No. 466,377; published May 2, 1944.
Whiskey, gin, rum, brandy, alcoholic cordials. Continental Distilling Corporation. 408,453; Aug. 15; Serial No. 428,152; published May 9, 1944.

CLASS 50

Corks. Boucher Cork & Machine Co. 187,806; renewed Aug. 12, 1944.
Cups, watering pans, and feeders, Watering. James Manufacturing Company. 408,456; Aug. 15; Serial No. 452,447; published June 6, 1944.
Grass mats or sets, Artificial. Eaton Brothers Corp. 408,539–40; Aug. 15; Serial Nos. 468,231–2; published June 6, 1944.
Placques. National Ronzite Industries. 408,479; Aug. 15; Serial No. 464,370; published June 6, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brownlee, Henry H., Washington, D. C. Control of power actuated machinery. Re. 22,527; Aug. 15.
Conterman, Fred A., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Washing machine. Re. 22,528; Aug. 15.
Greene's Fuel, Incorporated. (See Jones, Nelson M., assignor.)
Jamestown Metal Equipment Company. (See Conterman, Fred A., assignor.)
Jones, Nelson M., assignor to Greene's Fuel, Incorporated, Sarasota, Fla. Fuel-cooled internal-combustion engine. Re. 22,529; Aug. 15.
National Marking Machine Company, The. (See Sell, Francis M., assignor.)
Sell, Francis M., assignor to The National Marking Machine Company, Cincinnati, Ohio. Pencil for laundry marking. Re. 22,530; Aug. 15.

LIST OF DESIGN PATENTEES

American Gas Machine Company. (See Stempel, Edward H., assignor.)
American Optical Company. (See Splaine, Edward M., assignor.)
Autopoint Company. (See Beckstrom, Garfield L., assignor.)
Ayuso, Eugene F., Brooklyn, N. Y. Casket. 138,491; Aug. 15.
Ayuso, Eugene F., Brooklyn, N. Y. Casket. 138,492; Aug. 15.
Baird, Margery, Woodbury, N. J. Hook attaching device for fishing lines or similar article. 138,498; Aug. 15.
Beatty, Robert J., Columbus, Ohio. Ash tray or article of similar nature. 138,534; Aug. 15.
Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Mechanical pencil or similar article. 138,499; Aug. 15.
Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Mechanical pencil or similar article. 138,500; Aug. 15.
Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Mechanical pencil or similar article. 138,501; Aug. 15.
Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Mechanical pencil or similar article. 138,502; Aug. 15.
Brown, Charles G. (See Burton, E. F., and Brown.)
Buffalo-Springfield Roller Co., The. (See Harrison, J. F., and Greiner, assignors.)
Burton, Charles F., West Los Angeles, and C. G. Brown, Santa Monica, Calif. Airplane. 138,535; Aug. 15.
Butler Manufacturing Company. (See Lenihan, Charles E., assignor.)
Button Rim Corporation. (See Frank, Charles H., assignor.)
Churchill, Charles H., Cortland, N. Y. Shoe rack. 138,503; Aug. 15.
Cirkinian, Sarkis, New York, N. Y. Picture frame or similar article. 138,504; Aug. 15.
Cirkinian, Sarkis, New York, N. Y. Picture frame or similar article. 138,505; Aug. 15.
Cirkinian, Sarkis, New York, N. Y. Combined mirror and picture frame. 138,506; Aug. 15.
Chace, Lester M., Pekin, assignor to Ludowici Celadon Company, Chicago, Ill. Cookie jar. 138,536; Aug. 15.
Chace, Lester M., Pekin, assigno. to Ludowici Celadon Company, Chicago, Ill. Cookie jar. 138,537; Aug. 15.
Clerc, Leonard F., Chicago, Ill. Airplane. 138,538; Aug. 15.
Consolidated Vultee Aircraft Corporation. (See Dreyfuss, Henry, assignor.)
Day, Otto J., Toronto, Ontario, Canada. Embalming table. 138,493; Aug. 15.
De Pasquale, John, and A. Westerman, assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y. Clasp for a handbag or the like. 138,507; Aug. 15.
De Pasquale, John, and A. Westerman, assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y. Clasp for a handbag or the like. 138,508; Aug. 15.
De Pasquale, John, and A. Westerman, assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y. Frame for a handbag or similar article. 138,509; Aug. 15.
Dreyfuss, Henry, New York, N. Y., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Seat unit. 138,510; Aug. 15.
Dreyfuss, Henry, New York, N. Y., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Seat. 138,511; Aug. 15.
Dunie, Robert, Chicago, Ill. Star corsage or similar article. 138,512; Aug. 15.
Eitel-McCullough, Inc. (See Eitel, W. W., and McCullough, assignors.)
Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tube. 138,527; Aug. 15.
Federal Aircraft Engine Corporation. (See Toce, Charles A., and V. J., assignors.)
Finkelstein, Nathan, New York, N. Y. Coat. 138,528; Aug. 15.
Frank, Charles H., New Rochelle, assignor to Button Rim Corporation, New York, N. Y. Button. 138,513; Aug. 15.
Golden, Zelma, New York, N. Y. Dress. 138,529; Aug. 15.
Golden, Zelma, New York, N. Y. Dress. 138,550; Aug. 15.
Golden, Zelma, New York, N. Y. Dress. 138,551; Aug. 15.
Golden, Zelma, New York, N. Y. Dress. 138,552; Aug. 15.
Golden, Zelma, New York, N. Y. Dress. 138,553; Aug. 15.
Golkowski, Floyd F., Cleveland, Ohio. Animal figure. 138,514; Aug. 15.
Greiner, Carl F. (See Harrison, J. F., and Greiner.)
Hacmac, Edward R., Glendale, assignor of one-half to L. A. Smith, Los Angeles, Calif. Top. 138,494; Aug. 15.
Hall, Ernest H., St. Paul, Minn. Cribbage board. 138,495; Aug. 15.
Hardy Metal Specialties Inc. (See De Pasquale, J., and Westerman, assignors.)
Hardy, Otto, Ventura, Calif. Combined wrench and spanner. 138,515; Aug. 15.
Harrison, John F., and C. F. Greiner, assignors to The Buffalo-Springfield Roller Co., Springfield, Ohio. Road roller. 138,539; Aug. 15.
Hatcher, Benjamin H., Woodville, Tex. Fishing lure. 138,496; Aug. 15.
Hobden, Frederick G., assignor to Quaker Lace Company, Philadelphia, Pa. Lace table cloth. 138,557; Aug. 15.
Hooven, Howard, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa. Lace table cloth. 138,558; Aug. 15.
Karoff, Robert B., New York, N. Y. Bottle display carton. 138,530; Aug. 15.
Krieger, Herman, New York, N. Y. Embroidered trimming. 138,540; Aug. 15.
Kuznetz, Samuel, New York, N. Y. Dress. 138,531; Aug. 15.
Lenihan, Charles E., assignor to Butler Manufacturing Company, Kansas City, Mo. Receptacle for domestic gas systems. 138,541; Aug. 15.
Ludowici Celadon Company. (See Chace, Lester M., assignor.)
Mangan, John M., Wilkes-Barre, assignor of one-half to J. Ulevich, Plymouth, Pa. Magnifying glass. 138,516; Aug. 15.
McCullough, Jack A. (See Eitel, W. W., and McCullough.)
Meltzer, Jack, New York, N. Y. Sandal or similar article. 138,517; Aug. 15.
Miller, Walter L., McGregor, Iowa. Electrical connector. 138,532; Aug. 15.
Monson, Joseph H., Denver, Colo. Cover for trash cans. 138,542; Aug. 15.
Newall, John K., Aurora, Ill. Stock tank heater. 138,554; Aug. 15.
Philippe, Alfred, Providence, R. I. Earring. 138,518; Aug. 15.
Philippe, Alfred, Providence, R. I. Earring. 138,519; Aug. 15.
Philippe, Alfred, Providence, R. I. Brooch or similar article. 138,520; Aug. 15.

Philippe, Alfred, Providence, R. I. Brooch or similar article. 138,521; Aug. 15.
Philippe, Alfred, Providence, R. I. Brooch or similar article. 138,522; Aug. 15.
Pichel, Irving, New York, N. Y. Handbag. 138,543; Aug. 15.
Quaker City Iron Works. (See Ziegler, Ralph B., assignor.)
Quaker Lace Company. (See Hobden, Frederick G., assignor.)
Quaker Lace Company. (See Hooven, Howard, assignor.)
Rohrer, Perry L., Oak Park, Ill. Fountain pen. 138,544; Aug. 15.
Sachs, Nathan H., Newton Centre, Mass. Jacket. 138,555; Aug. 15.
Sand, Robert T., Detroit, Mich. Clothespin. 138,523; Aug. 15.
Schmidt, Karl F., Grand Rapids, Mich. Casket. 138,497; Aug. 15.
Seidis, Edward E., New York, N. Y. Umbrella or similar article. 138,524; Aug. 15.
Silkman, Edwin F., Baltimore, Md. Toy vehicle. 138,525; Aug. 15.
Smith, Lawson A. (See Hacmac, Edward R., assignor.)
Spaldo, Philip A., New York, N. Y. Picture frame. 138,526; Aug. 15.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Goggle. 138,545; Aug. 15.
Stempel, Edward H., assignor to American Gas Machine Company, Albert Lea, Minn. Hot water heater. 138,546; Aug. 15.
Stoll, Henry C., Jackson Heights, N. Y. Dresser for grinding wheels or the like. 138,547; Aug. 15.
Toce, Charles A. and V. J., assignors to Federal Aircraft Engine Corporation, Houston, Tex. Combined piston and compression head or similar article. 138,548; Aug. 15.
Toce, Victor J. (See Toce, Charles A. and V. J.)
Ulevich, Joseph. (See Mangan, John M., assignor.)
Westerman, Alexander. (See De Pasquale, Jr., and Westerman.)
Zahn, Samuel, New York, N. Y. Jacket. 138,533; Aug. 15.
Zahn, Samuel, New York, N. Y. Dress. 138,556; Aug. 15.
Ziegler, Ralph B., assignor to Quaker City Iron Works, Philadelphia, Pa. Truck tank. 138,549; Aug. 15.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF AUGUST, 1944

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Addressograph-Multigraph Corporation. (See Gollwitzer, Walter, T., assignor.)
Adel Precision Products Corp. (See Morehouse, Eugene M., assignor.)
Advance Engineering Company. (See Faulkner, Willard J., assignor.)
Air Devices, Inc. (See O'Day, Cortland N., assignor.)
Albert, Arthur A., Chicago, Ill. Showcase. 2,355,839; Aug. 15.
Alcorn Combustion Company. (See Praeger, Frank H., assignor.)
Aldrich, Loyd I., Wyoming, Ill. Fuel preheater. 2,355,693; Aug. 15.
Ales, Paul, Chicago, and E. C. Robertson, Steger, Ill. Garden rake. 2,355,840; Aug. 15.
Alien Property Custodian. (See Hölters, Friedrich.)
Alien Property Custodian. (See Le Rouge, Jean.)
Alien Property Custodian. (See Scheler, E., and Rohrbach.)
Alien Property Custodian. (See Waseige, Charles R.)
Allen, Charles F. H., and J. A. Van Allan, assignors to Eastman Kodak Company, Rochester, N. Y. Pyrimidine couplers. 2,355,691; Aug. 15.
Allen, Roy O., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Throttle valve mechanism. 2,355,692; Aug. 15.
Alles, George J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Article and making the same. 2,356,023; Aug. 15.
Allied Chemical & Dye Corporation. (See Rice, Edward F. T., assignor.)
Allied Chemical & Dye Corporation. (See Wroby, Norman W., assignor.)
Allyn, William N., Skaneateles, N. Y. Ophthalmoscope. 2,355,841; Aug. 15.
Aluminum Company of America. (See Ennor, William T., assignor.)
Alvey, Leroy E. (See Bullard, E. P., III, Mussler, Lange, Cowell, and Alvey.)
American Cutting Alloys, Inc. (See Schwarzkopf, Paul, assignor.)
American Cyanamid & Chemical Corporation. (See Clark, Charles H., assignor.)
American Cyanamid Company. (See Migrdichian, Vartkes, assignor.)
American-La France-Foamite Corporation. (See White, Clifford B., assignor.)
American Laundry Machinery Company, The. (See Bicknell, George R., assignor.)
American MonoRail Company, The. (See Harris, Frank C., assignor.)
American Ore Reclamation Company. (See Shallock, Edward W., assignor.)
American Radiator & Standard Sanitary Corporation. (See Georg, Bernard, assignor.)
American Viscose Corporation. (See Hollihan, John P., Jr., assignor.)
Andersen, Axel R., New Rochelle, and K. Horn, assignors to F. L. Smith & Co., New York, N. Y. Agglomerating. 2,356,024; Aug. 15.
Arado, John G., Chicago, Ill. Combined cutter, distributor, and protector for outboard motors. 2,355,842; Aug. 15.
Ardelt, Eugene M., Denver, Colo. Air-speed meter. 2,355,694; Aug. 15.
Aris Gloves, Inc. (See Chanut, Paul A., assignor.)
Ash, Charles S., Milford, Mich. Bogie wheel. 2,355,941; Aug. 15.
Ash, Charles S., Milford, Mich. Wheel. 2,355,942; Aug. 15.
Atwood, James T., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Coupler. 2,355,695; Aug. 15.
Atwood Vacuum Machine Company, The. (See Atwood, James T., assignor.)
Baehren, Fritz. (See Nelles, J., Bayer, Tischbein, and Baehren.)
Baker, Albert L., Summit, N. J., assignor, by mesne assignments, to Fuller Company, Catasauqua, Pa. Apparatus for conveying pulverized material. 2,355,774; Aug. 15.
Baker Perkins Limited. (See Macfarlane, R. F., and Dumbleton, assignors.)
Balkins, Almond. (See Wahl, Albert G., assignor.)
Ball, Albert L. (See Melton, R. L., and Ball.)
Barber-Coleman Company. (See Ransome, Stafford M., assignor.)
Barbour, Howard C., Elyria, and F. S. Miller, Amherst, assignors to The Cleveland Quarries Company, Cleveland, Ohio. Apparatus for dressing grindstones. 2,355,844; Aug. 15.
Barker, George E., Pittsburgh, Pa., assignor to Elgin National Watch Company, Elgin, Ill. Lubricant. 2,355,616; Aug. 15.
Barnhart, Robert M., San Gabriel, J. C. Bennett, Pasadena, and P. M. Heinmiller, assignors to Utility Trailer Manufacturing Company, Los Angeles, Calif. Interlock for couplings and supports of trailers. 2,355,775; Aug. 15.
Barteli, Floyd E., Ann Arbor, Mich. Method of and apparatus for producing laminated glass. 2,355,696; Aug. 15.
Bast Fiber Development Corporation. (See Patterson, David E., assignor.)
Bastian Blessing Co., The. (See Buttner, William C., assignor.)
Bausch & Lomb Optical Company. (See Gallasch, George B., assignor.)
Bausch & Lomb Optical Company. (See Wolfe, Bernard J., assignor.)
Bayer, Otto. (See Nelles, J., Bayer, Tischbein, and Baehren.)
Beede, Herbert G., Pawtucket, assignor to Pantex Pressing Machine, Inc., Central Falls, R. I. Locking setscrew. 2,355,899; Aug. 15.
Beede, Herbert G., Pawtucket, assignor to Pantex Pressing Machine, Inc., Central Falls, R. I. Locking wedge point setscrew. 2,355,900; Aug. 15.
Beede, Herbert G., deceased, Pawtucket, R. I., by R. J. Beede, Seekonk, Mass., executor, assignor to Pantex Pressing Machine, Inc., Central Falls, R. I. Backlash resisting locking setscrew. 2,355,901; Aug. 15.
Beede, Herbert G., deceased, Pawtucket, R. I., by R. J. Beede, Seekonk, Mass., executor, and N. Monsarrat, Seekonk, Mass., assignors to Pantex Pressing Machine, Inc., Central Falls, R. I. Locking adjusting point setscrew. 2,355,943; Aug. 15.
Beede, Robert J., executor. (See Beede, Herbert G., assignor.)
Beede, Robert J., executor. (See Beede, H. G., and Monsarrat.)
Beggs, Robert J., Highland Springs, Va. Ornamental chain. 2,355,944; Aug. 15.
Bell Telephone Laboratories, Incorporated. (See Benning, Harvey H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Blount, Frank E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Davis, Kingsbury H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dehn, Joseph W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dicksten, Emil, Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Downing, H. L., and West, assignors.)
Bell Telephone Laboratories, Incorporated. (See Glass, Myron S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hubbard, Francis A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Large, Wayne V. K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Meyers, Stanley T., assignor.)
Bell Telephone Laboratories, Incorporated. (See West, John W., assignor.)
Belluche, Frank R., assignor to The Christensen Machine Company, Racine, Wis. Sheet delivery mechanism. 2,355,697; Aug. 15.
Bendix Aviation Corporation. (See Tognola, Tullio, assignor.)
Bendix Aviation Corporation. (See Zwack, Raymond T., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Vorech, Stephen, assignor.)
Benjamin, Clarence F., Devon, Conn. Folding chair. 2,355,617; Aug. 15.
Bennett, John C. (See Barnhart, R. M., Bennett, and Heinmiller.)
Benning, Harvey H., Lincoln Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for measuring cross talk. 2,355,776; Aug. 15.
Benson, Jesse M., Concord, Tenn. Water pump. 2,355,698; Aug. 15.
Benson, Thomas W., and B. F. Hoffman, Philadelphia, Pa. Recovery of tin and similar metals. 2,355,777; Aug. 15.
Bentley, Floyd W., Brooklyn, N. Y. Oil burner. 2,355,945; Aug. 15.
Berg, Carlton T., assignor to The Photoplating Company, Minneapolis, Minn. Sign with animated effect. 2,355,902; Aug. 15.

Bergamini, Charles E., Bloomfield, N. J., assignor to Hercules Powder Company, Wilmington, Del. Ethyl cellulose emulsions. 2,356,025; Aug. 15.

Berger, Henry G., and P. M. Goodloe, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Breaking petroleum emulsions. 2,355,778; Aug. 15.

Berry, John K., Southam, near Rugby, assignor to Courtaulds Limited, London, England. Reel. 2,356,026; Aug. 15.

Bertalan, Edward, Glenarm, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 2,355,833; Aug. 15.

Best, Frank E., Indianapolis, Ind. Roller bearing. 2,355,843; Aug. 15.

Bethlehem Steel Company. (See White, William E., assignor.)

Bicknell, George R., Antioch, Ill., assignor to The American Laundry Machinery Company, Norwood, Ohio. Ironing shirts. 2,355,699; Aug. 15.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Bottle crate. 2,355,946; Aug. 15.

Blank, Joseph N., Newport, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Sectional channel closure means. 2,355,845; Aug. 15.

Blewett, Elias W., Forty Fort, Pa. Sewing-machine attachment. 2,355,700; Aug. 15.

Bloomer Bros. Company. (See Inman, William H., assignor.)

Blount, Frank E., Cedar Grove, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,355,903; Aug. 15.

Bocji Corporation. (See La Place, Desmond R., assignor.)

Bodine, Albert G., Jr., Burbank, Calif. Method and apparatus for pumping. 2,355,618; Aug. 15.

Bondy, Otto, Worcester Park, and A. G. Grant, Darlington, England. Storage tank or container and like shell structure. 2,355,947; Aug. 15.

Bonstow, Thomas L., and A. E. Margolis, London, England. Method and means for assisting the take-off of landplanes. 2,355,948; Aug. 15.

Bossart, Otto A., Racine, assignor to Perfex Corporation, Milwaukee, Wis. Radiator fan shroud. 2,355,619; Aug. 15.

Boutwell, Clarence E., Birmingham, Ala. Making composite printing plates. 2,355,949; Aug. 15.

Bower, John O., and J. P. Tarbox, assignors to Foundation for Clinical and Surgical Research, Philadelphia, Pa. Fluid sampling device. 2,355,620; Aug. 15.

Boyd, John, Forest Hills, and P. R. Eklund, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bearing assembly. 2,356,027; Aug. 15.

Bradley, William E., Northampton, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Automatic gain control for television receivers. 2,355,701; Aug. 15.

Broadfield Metals Corporation. (See Ducarpe, Pierre G., assignor.)

Brooks, Winslow A., Elizabeth, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Removal of nitrogen oxides from sulphuric acid. 2,355,702; Aug. 15.

Brown Fintube Co. (See Brown, John W., Jr., assignor.)

Brown, John W., Jr., Lakewood, assignor to Brown Fintube Co., Elyria, Ohio. Finned tube. 2,355,621; Aug. 15.

Brundage, James W., assignor, by mesne assignments, to The McNeil Machine and Engineering Company, Akron, Ohio. Vulcanizer. 2,355,846; Aug. 15.

Brus, Emile P., Kansas City, Mo. Renewable fuse plug. 2,355,622; Aug. 15.

Bryant, Nelson H. (See Gustin, D. S., and Bryant.)

Budd, Edward G., Manufacturing Company. (See Schäfer, Kurt, assignor.)

Bullard Company, The. (See Bullard, Edward P., III, assignor.)

Bullard Company, The. (See Bullard, E. P., III, Cowell, and Mussler, assignors.)

Bullard Company, The. (See Bullard, E. P., III, Mussler, Lange, Cowell, and Alvey, assignors.)

Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Transmission. 2,355,623; Aug. 15.

Bullard, Edward P., III, Fairfield, and E. N. Cowell and F. H. Mussler, Stratford, Conn., assignors to The Bullard Company. Transmission. 2,355,624; Aug. 15.

Bullard, Edward P., III, Fairfield, F. H. Mussler, Stratford, P. H. Lange, Bridgeport, E. N. Cowell, Stratford, and L. E. Alvey, Bridgeport, Conn., assignors to The Bullard Company. Machine tool. 2,355,625; Aug. 15.

Bullard, Edward P., III, Fairfield, and E. N. Cowell and F. H. Mussler, Stratford, Conn., assignors to The Bullard Company. Transmission. 2,355,626; Aug. 15.

Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Hydraulic machine tool. 2,356,028; Aug. 15.

Bundy Tubing Company. (See Katz, Albert, assignor.)

Buono, Mario, Brooklyn, assignor to U. S. Blind Stitch Machine Corporation, New York, N. Y. Blind-stitch sewing machine. 2,355,904; Aug. 15.

Burger, Frank, Flushing, N. Y. Shoeshine outfit. 2,356,029; Aug. 15.

Burgess Battery Company. (See MacFarland, Allison M., assignor.

Burleigh, David S., Wembley, England. Automatic photographic machine. 2,355,779; Aug. 15.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Adjustable ventilator. 2,355,847; Aug. 15.

Buttner, William C., Winnetka, assignor to The Bastian Blessing Co., Chicago, Ill. Hydroelectrode control. 2,356,117; Aug. 15.

Buxbaum, Bernard, Brooklyn, N. Y. Baseball game and the like. 2,355,905; Aug. 15.

Buys, Glenn E. (See Johnson, C. A., and Buys.)

Byers, William R., Calgary, Alberta, Canada. Marker for seeding machines. 2,356,030; Aug. 15.

Byrne, John S., Oakland, Calif. Variable speed fluid drive transmission. 2,355,780; Aug. 15.

Byrns, Alva C., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Production of ketones. 2,355,703; Aug. 15.

Cadwell, Charles A., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Welding. 2,355,627; Aug. 15.

Calhoun, Vernon, Chicago, Ill. Catamenial device and making same. 2,355,628; Aug. 15.

Calkins, Claude C., Spokane, Wash. Rotary rod weeder. 2,355,950; Aug. 15.

Carbide and Carbon Chemicals Corporation. (See Rugeley, Edward W., assignor.)

Carbide and Carbon Chemicals Corporation. (See Wilson, Alexander L., assignor.)

Carborundum Company, The. (See Melton, R. L., and Ball, assignors.)

Cardinal, Oliver V., assignor to Evans Products Company, Detroit, Mich. Universal joint and rodding and making. 2,355,781; Aug. 15.

Carrier Corporation. (See Carrier, Willis H., assignor.)

Carrier, Willis H., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning system. 2,355,629; Aug. 15.

Carroll, Burt H., and J. Spence, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 2,355,630; Aug. 15.

Carroll, Louis W., assignor to International Standard Electric Corporation, New York, N. Y. Telephone substation apparatus. 2,356,031; Aug. 15.

Carson, Robert A., Denver, Colo. Horse's bit. 2,355,704; Aug. 15.

Carter, George L., Teaneck, assignor, by mesne assignments, to General Oil Heating Corporation, West New York, N. J. Oil-burner construction. 2,355,631; Aug. 15.

Cash, A. W., Company. (See Temple, Paul C., assignor.)

Castelle, James, New York, assignor to Bernard Rosenstein, Brooklyn, N. Y. Shoe construction. 2,355,906; Aug. 15.

Cave, Henry, and A. L. Le Febvre, assignors to The Fuller Brush Company, Hartford, Conn. Bristle feeding mechanism for brush making machines. 2,356,121; Aug. 15.

Celanese Corporation of America. (See Dreyfus, Henry, assignor.)

Celanese Corporation of America. (See Lyem, Arthur, assignor.)

Challenge Machinery Company, The. (See Garlick, Mark J., assignor.)

Chanut, Paul A., assignor to Aris Gloves, Inc., New York, N. Y. Glove. 2,356,032; Aug. 15.

Chicago Railway Equipment Company. (See Ellis, Edward J., assignor.)

Chicago Railway Equipment Company. (See Van Swerlingen, Harry M., assignor.)

Christensen Machine Company, The. (See Beliuche, Frank R., assignor.)

Chrysler Corporation. (See Hansen, Wray C., assignor.)

Chrysler Corporation. (See Livar, Allen P., assignor.)

Chrysler Corporation. (See Wyld, Reginald G., assignor.)

Cities Service Oil Company. (See Morgan, John D., assignor.)

Cities Service Oil Company. (See Morgan, J. D., and Lowe, assignors.)

Clark, Charles H., Emporium, Pa., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Machine for filling containers. 2,355,848; Aug. 15.

Clark, Ralph W. (See Dunleavey, F. S., and Clark.)

Clarke, Wedworth W., et al. (See Dreher, D. F., and Lanzit, assignors.)

Clearing Machine Corporation. (See Wacker, George W., assignor.)

Cleveland Patents, Incorporated. (See Hickok, Robert D., assignor.)

Cleveland Quarries Company, The. (See Barbour, H. C., and Miller, assignors.)

Cleveland Welding Company, The. (See Mueller, Homer L., assignor.)

Coffeen, John M., and W. P. Heineken, assignors to Heineken & Coffeen, New York, N. Y. Snap switch. 2,355,951 Aug. 15.

Coffey, Irven E. (See Ericson, G. R., and Coffey.)

Coffey, Joseph M., Schenectady, J. J. Pickney, Ballston Lake, and R. L. Griffeth, Delanson, assignors to Mica Insulator Company, Schenectady, N. Y. Coated insulating tape. 2,355,632; Aug. 15.

Cohan-Epner Co. (See Weiss, Max, assignor.)

Cohn, Herman, Baltimore, Md. Suspension device for coat hangers. 2,355,705; Aug. 15.

Coles, Norman E. (See Van Hise, Lester E., assignor.)

Columbia Mills, Inc., The. (See Burns, Fred J., assignor.)

Commerce Pattern Foundry & Machine Company. (See Upton, Richard C., assignor.)

Cone Automatic Machine Company Inc. (See Ingalls, John M., assignor.)

Consolidated Engineering Corporation. (See Lawlor, Reed C., assignor.)

Cooper, Benjamin, Scotia, N. Y., assignor to General Electric Company. Electric control circuit. 2,355,952; Aug. 15.

Cornell Research Foundation, Inc. (See Sharp, Paul F., assignor.)

Corning Glass Works. (See Nordberg, M. E., and Rumcnapp, assignors.)

Courtaulds Limited. (See Berry, John K., assignor.)

Cowell, Edward N. (See Bullard, E. P., III, Cowell, and Mussler.)

Cowell, Edward N. (See Bullard, E. P., III, Mussler, Lange, Cowell, and Alvey.)

Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Producing a resin acid lactone. 2,355,782; Aug. 15.

Cox, Walter A., Chicago, Ill., assignor to Johnson & Johnson. Method and apparatus for grinding and polishing ligatures. 2,355,907; Aug. 15.

Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc. Method of coating. 2,355,953; Aug. 15.

Craven, Howard F. (See Hill, James H., assignor.)

Creed and Company Limited. (See Salmon, Reginald D., assignor.)

Cremer, George D., Pelham Manor, assignor to Hardy Metallurgical Company, New York, N. Y. Powder metallurgy. 2,355,954; Aug. 15.

Criddle, Edward S., Franklin, Tenn. Internal-combustion engine. 2,356,033; Aug. 15.

Crockett, Frank L., Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass. Comber calender roll. 2,356,034; Aug. 15.

Crompton & Knowles Loom Works. (See Robb, Walter Y., assignor.)

Crosby Steam Gage & Valve Company. (See Klafstad, Erling, assignor.)

Cross, Carroll N., Middleboro, Mass. Making mounts. 2,355,706; Aug. 15.

Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Torch tip. 2,355,849; Aug. 15.

Crown Cork & Seal Company. (See Goebel, G., and Rau, assignors.)

Crown Cork & Seal Company. (See Wilckens, Eibe A., assignor.)

Crown Fastener Corporation. (See Plumley, R. G., and Lohse, assignors.)

Cummings, Harry G., New York, N. Y. Self-clinching nail. 2,355,955; Aug. 15.

Cushman & Denison Manufacturing Company. (See Lalonde, Oscar V., assignor.)

Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)

Dakan, Elmer J., Manhattan Beach, Calif. Overhead swinging door. 2,355,956; Aug. 15.

Da-Lite Screen Company. (See Heck, John T., assignor.)

Daman, Arthur C. (See Finney, J. H. V., and Daman.)

Davis, Harry, Brooklyn, N. Y. Toy furniture. 2,355,957; Aug. 15.

Davis, Kingsbury H., Bernardsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of two-way signal transmission systems. 2,355,958; Aug. 15.

Dawson, John W., West Newton, assignor to Raytheon Manfacturing Company, Newton, Mass. Electrical control system. 2,355,633; Aug. 15.

De Boer, Christian, Ashton, assignor to Engineering and Research Corporation, Riverdale, Md. Structural member and making same. 2,355,707; Aug. 15.

Deck, Elbe W. (See Young, L. W., and Deck.)

Dehn, Joseph W., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,355,908; Aug. 15.

Delucchi, Anthony W., and H. A. Stagnaro, Stockton, Calif. Merchandise conveying system for self-help stores. 2,355,708; Aug. 15.

Dermond, Lawrence C. (See Jorgensen, C. H., and Dermond.)

Detroit Harvester Company. (See Floraday, Burton S., assignor.)

Dickten, Emil, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polarized relay. 2,355,909; Aug. 15.

Dill Manufacturing Company, The. (See Crowley, John C., assignor.)

Dixon, Joseph, Crucible Company. (See Hasselquist, Hugo S., assignor.)

Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,355,959; Aug. 15.

Dodge, Adiel Y., Rockford, Ill. Transmission. 2,355,709; Aug. 15.

Dodge, Adiel Y., Rockford, Ill. Clutch. 2,355,710; Aug. 15.

Doke, Ernest G. (See MacLean, J. A., McNaught, and Doke.)

Dolyniuk, Stephen E., Belfield, N. Dak. Portable grain loading elevator. 2,355,711; Aug. 15.

Dondlinger, Eugene J., Chicago, Ill. Pulverizer. 2,355,784; Aug. 15.

Dorey, George B., Westmount, Quebec, Canada. Shock absorber. 2,355,783; Aug. 15.

Dorfman, John, assignor to Malco, Inc., New York, N. Y. Game or similar device. 2,355,785; Aug. 15.

Dorr Company, The. (See Fischer, A. J., and Weber, assignors.)

Dorr Company, The. (See Lasseter, Franklin P., assignor.)

Dougherty, Mayburn R. (See Gean, W. E., and Dougherty.)

Doughty, Howard W., Jr., assignor to Foster Machine Company, Westfield, Mass. Yarn winding machine. 2,355,634; Aug. 15.

Dow Chemical Company, The. (See Dreisbach, Robert R., assignor.)

Downing, Henry L., Flushing, and J. W. West, Woodmere, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,356,035; Aug. 15.

Dreher, Donald F., and H. E. Lanzit, Los Angeles, Calif., assignors of one-fourth to W. W. Clarke and one-fourth to R. R. Lanzit. Sealing means for bags. 2,355,786; Aug. 15.

Dreisbach, Edwin J., New Haven, Conn. Support for easel-back picture frames and the like. 2,356,036; Aug. 15.

Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Making chlorobutyl-benzene compounds. 2,355,850; Aug. 15.

Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Production of cellulose esters. 2,355,712; Aug. 15.

Drucker, William J., Richmond Hill, N. Y. Micrometer tolerance indicator. 2,356,037; Aug. 15.

Dubilier, William, New York, N. Y. Screen or webbing material. 2,355,635; Aug. 15.

Ducarpe, Pierre G., assignor to Broadfield Metals Corporation, New York, N. Y. Picture changing display. 2,355,787; Aug. 15.

Duffie, Don H., Central Lake, Mich. Hemoglobinometer. 2,355,960; Aug. 15.

Dumbleton, Claude. (See Macfarlane, R. F., and Dumbleton.)

Dunleavey, Frank S., and R. W. Clark, assignors, by mesne assignments, to The Magnavox Company, Fort Wayne, Ind. Electrolytic capacitor. 2,355,788; Aug. 15.

Du Pont, E. I., de Nemours & Company. (See Brooks, Winslow A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hansley, Virgil L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Roedel, Milton J., assignor.)

Durdin, Augustus C., Jr., Lincolnwood, assignor of twenty-four percent to A. C. Durdin, III, Rockford, Ill., and twenty-four percent to L. H. Durdin, Birmingham, Ala. Fuel supply means for internal-combustion engines. 2,355,713; Aug. 15.

Durdin, Augustus C., III. (See Durdin, Augustus C., Jr., assignor.)

Durdin, Lewis H. (See Durdin, Augustus C., Jr., assignor.)

Durite Plastics, Incorporated. (See Novotny, Emil E., assignor.)

Eads, Howard A. (See McGarry, J. T., and Eads.)

Eastman Kodak Company. (See Allen, C. F. H., and Van Allan, assignors.)

Eastman Kodak Company. (See Carroll, B. H., and Spence, assignors.)

Eastman Kodak Company. (See Evans, Ralph M., assignor.)

Eberman, Augustus H., assignor to J. B. Howley, Geneva, Ill. Apparatus for making filters. 2,355,714; Aug. 15.

Eccleston, John O. (See Kroyer, John M., assignor.)

Edington, Robert M., Landis Township, Cumberland County, N. J. Machine for grading articles by weight. 2,355,715; Aug. 15.

Edwards, Harold G., Perry, Fla. Crushing machine. 2,356,122; Aug. 15.

Edwards, Herbert E., Wellesley, Mass. Machine for cutting rings from cylindrical tubing. 2,356,038; Aug. 15.

Edzard, Gustav, administrator. (See Scheler, E., and Rohrbach.)

Egloff, Gustav, and V. Komarewsky, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,355,961; Aug. 15.

Eitel-McCullough, Inc. (See Eitel, W. W., and McCullough, assignors.)

Eitel, William W., and J. A. McCullough, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electrical discharge device. 2,355,717; Aug. 15.

Eitel, William W., and J. A. McCullough, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electrical discharge device. 2,355,718; Aug. 15.
Eklund, Phillip R. (See Boyd, J., and Eklund.)
Elastic Stop Nut Corporation. (See Prokul, Michael K., assignor.)
Elastic Stop Nut Corporation of America. (See Tangowski, Henry C., assignor.)
Elastic Stop Nut Corporation of America. (See Tourjec, Neilson E., Jr., assignor.)
Elastic Stop Nut Corporation of America. (See Wahlstedt, K. A. R., and Newsome, assignors.)
Electric Railway Improvement Company. (See Cadwell, Charles A., assignor.)
Elgin National Watch Company. (See Barker, George E., assignor.)
Ellis, Delbert, and O. L. Taylor, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Arc limiting device. 2,356,039; Aug. 15.
Ellis, Delbert, and O. L. Taylor, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Arc control device. 2,356,040; Aug. 15.
Ellis, Edward J., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake gear support. 2,355,962; Aug. 15.
Emerson Electric Mfg. Company, The. (See Willey, Walter E., assignor.)
Emerson, Rita. (See Mount, Edna, assignor.)
Engineering and Research Corporation. (See De Boer, Christian, assignor.)
Ennor, William T., Newark, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Wire fabric. 2,355,963; Aug. 15.
Ericson, George R., Kirkwood, and I. E. Coffey, Normandy, Mo. Internal-combustion engine. 2,355,716; Aug. 15.
Evans Products Company. (See Cardinal, Oliver V., assignor.)
Evans Products Company. (See Webb, Walter G., assignor.)
Evans, Ralph M., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic masking. 2,355,636; Aug. 15.
Faber, Benjamin S., New York, N. Y. Making fabric. 2,355,789; Aug. 15.
Fafnir Bearing Company, The. (See Potter, Howell L., assignor.)
Faigle, René, Zurich, Switzerland. Keyboard for calculating machines. 2,355,637; Aug. 15.
Faulkner, Willard J., assignor to Advance Engineering Company, Chicago, Ill. Record changer spindle. 2,355,790; Aug. 15.
Fay, Howard E., Tujunga, Calif. Safety hose clamp. 2,356,041; Aug. 15.
Federal Telephone & Radio Corporation. (See Saslaw, Otto, assignor.)
Fedorchak, William J., Granite City, Ill., assignor to Owens-Illinois Glass Company. Gauging and seam-detecting apparatus. 2,355,719; Aug. 15.
Ferber, Hyman, Brooklyn, N. Y., assignor to Wilmor Novelty Co., Inc., Hackensack, N. J. Combination non-elastic adjustable hat band and bow trim hat. 2,356,042; Aug. 15.
Fernlund, Karl H., J. O. Hessler, and A. E. Hultberg, Chicago, Ill., assignors, by mesne assignments, to United States Government, as represented by the Secretary of War, and his successors in office. Die structure for metallic cartridge belt links. 2,355,964; Aug. 15.
Ferst, M. A., Ltd. (See Ferst, M. A., and Wysong, assignors.)
Ferst, Monie A., and C. F. Wysong, assignors to M. A. Ferst, Ltd., Atlanta, Ga. Color marking element. 2,355,638; Aug. 15.
Ferst, Monie A., and C. F. Wysong, assignors to M. A. Ferst, Ltd., Atlanta, Ga. Pencil lead. 2,355,639; Aug. 15.
Fibrean Corporation. (See Tave, Samuel, assignor.)
Finley, Willard L., Edgewood Arsenal, Md., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil composition. 2,356,043; Aug. 15.
Finney, John H. V., and A. C. Deman, assignors to Mining Process and Patent Company, Denver, Colo. Classifier. 2,355,851; Aug. 15.
Fischer, Adolf. (See Menzer, Anton, assignor.)
Fischer, Anthony J., Manhasset, N. Y., and W. C. Weber, Westport, Conn., assignors to The Dorr Company, New York, N. Y. Liquid clarification apparatus. 2,355,640; Aug. 15.
Fisher, Frank F., Detroit, Mich. Tube expanding tool. 2,355,852; Aug. 15.
Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Handle for vehicle doors. 2,355,791; Aug. 15.
Food Machinery Corporation. (See Kerr, Charles E., assignor.)
Forbes, Joseph A., Detroit, assignor to J. Sneed, Royal Oak, Mich. Brake. 2,355,720; Aug. 15.
Foster Machine Company. (See Doughty, Howard W., Jr., assignor.)
Foulkes, Christopher H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Ultra high frequency circuit conductor members. 2,356,044; Aug. 15.
Foundation for Clinical and Surgical Research. (See Bower, J. O., and Tarbox, assignors.)
Foutz, Karl E., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder device. 2,355,721; Aug. 15.
Foxon, Henry J., Wembley, England, assignor to General Electric Company. Holding diamonds for drilling. 2,355,853; Aug. 15.
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Forming closed tubes. 2,355,792; Aug. 15.
Freudenberg, Werner. (See Lee, J., and Freudenberg.)
Frey, Charles N. (See Light, R. F., Kothe, and Frey.)
Frishette, Stanton, Detroit, Mich. Reamer. 2,355,965; Aug. 15.
Fry, Douglas J. (See Kendall, J. D., and Fry.)
Fullen, Thomas A., Upper Darby Township, Pa. Lathe tool. 2,354,045; Aug. 15.
Fuller Brush Company, The. (See Cave, H., and Le Febvre, assignors.)
Fuller Company. (See Baker, Albert L., assignor.)
Fyock, Harry C., Reynolds, Mo. Cooler. 2,355,793; Aug. 15.
Gallant, Francis A., assignor to Victory Safety Hammer Corporation, East Orange, N. J. Soft hammer. 2,355,641; Aug. 15.
Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,355,910; Aug. 15.
Gamewell Company, The. (See Weld, Foster E., assignor.)
Garlick, Mark J., Chicago, Ill., assignor to The Challenge Machinery Company, Grand Haven, Mich. Paper boring and slotting machine. 2,356,046; Aug. 15.
Gean, William E., Olla, and M. R. Dougherty, Bossier, La. Tool for moving and positioning pack-off assemblies. 2,355,854; Aug. 15.
Geisinger, Elliott E., Rochester, N. Y., and R. F. Goecke, Elyria, Ohio, assignors to The Pfaudler Co., Rochester, N. Y. Container. 2,356,047; Aug. 15.
General Aniline & Film Corporation. (See Nelles, J., Bayer, Tischbein, and Baehren, assignors.)
General Electric Company. (See Cooper, Benjamin, assignor.)
General Electric Company. (See Foxon, Henry J., assignor.)
General Electric Company. (See Palme, Arthur, assignor.)
General Electric Company. (See Sheldon, Lucian A., assignor.)
General Felt Products Inc. (See Person, Edward, assignor.)
General Mills, Inc. (See Slightam, Paul E., assignor.)
General Motors Corporation. (See Hartzell, Herman L., assignor.)
General Motors Corporation. (See Jorgensen, C. H., and Dermond, assignors.)
General Motors Corporation. (See Moule, Rex E., assignor.)
General Oil Heating Corporation. (See Carter, George I., assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
Gentry, William W., Chickasha, Okla. Vehicle body construction. 2,355,794; Aug. 15.
Gisholt Machine Company. (See Johnson, George H., assignor.)
Glass, Myron S., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode system. 2,355,795; Aug. 15.
Glidden Company, The. (See Joyce, Dwight P., assignor.)
Globe Envelopes Limited. (See Myers, James E., assignor.)
Goddeau, Guy F., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Preheating torch. 2,356,048; Aug. 15.
Goebel, George, deceased, by H. Goebel, administratrix, and H. A. Ran, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Article handling apparatus. 2,355,722; Aug. 15.
Goebel, Helene, administratrix. (See Goebel, G., and Rau.)
Goecke, Rudolph F. (See Geisinger, E. E., and Goecke.)
Goerg, Bernard, Bronxville, assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y. Wall structure. 2,355,855; Aug. 15.
Goff, David C., Omaha, Nebr., assignor, by mesne assignments, to Universal Zonolite Insulation Company, Chicago, Ill. Underground insulated pipe system. 2,355,966; Aug. 15.
Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,355,796; Aug. 15.
Goodloe, Paul M. (See Berger, H. G., and Goodloe.)
Goodrich, B. F., Company, The. (See Hahn, S. H., and Judson, assignors.)

Goodwin, Arthur E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Resistance welding. 2,356,049; Aug. 15.
Gose, Ralph R., Forest Hills, assignor to The Western Union Telegraph Company, New York, N. Y. System for the conversion and retransmission of control signals. 2,355,642; Aug. 15.
Gow, James T. (See Harder, O. E., and Gow.)
Graenacher, Charles, Riehen, and R. Sallmann, Gelterkinden, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Hydrazides and preparing same. 2,353,911; Aug. 15.
Grant, Alexander G. (See Bondy, O., and Grant.)
Green, Lee B., Lakewood, Ohio. Method and apparatus for making bearing-retaining lock nuts. 2,355,856; Aug. 15.
Greenwalt, Marion E., Elvins, Mo. Concrete block mold. 2,355,967; Aug. 15.
Greer, Edward R., Minnetonka, assignor to Rotary Snow Plow Company, Minneapolis, Minn. Vehicle for propelling and driving rotary snow plows and other mechanisms. 2,355,912; Aug. 15.
Griffeth, Robert L. (See Coffey, J. M., Pickney, and Griffeth.)
Griffin, Cecil M., Pittsburgh, Pa. Mounting for bearings. 2,355,723; Aug. 15.
Grissinger, George G., Wilkinsburg, and T. Lindstrom, Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,356,050; Aug. 15.
Grover, Atwood H., Rockaway, N. Y. Means for positioning objects. 2,355,643; Aug. 15.
Grünebaum, Johanna E. (See Simon, Johanna E., née Grünebaum.)
Guillet, Albert M., Charlotte, N. C. Roll rack for roving frames. 2,355,797; Aug. 15.
Gump, B. F., Co. (See Naeher, P., and Williams, assignors.)
Gustin, Daniel S., Bloomfield, and N. H. Bryant, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Starting circuit for fluorescent lamps. 2,355,968; Aug. 15.
Gustin, Robert, Boston, Mass. Garment hanger. 2,355,969; Aug. 15.
Guthier, Ervin H., Santa Ana, Calif. Continuous type steam blancher. 2,355,798; Aug. 15.
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,355,724; Aug. 15.
Haase, Jesse A., Martinsville, Ind. Bale tie. 2,355,644; Aug. 15.
Haase, Jesse A., Martinsville, Ind. Bale former. 2,355,645; Aug. 15.
Haase, Jesse A., Martinsville, Ind. Hay baler. 2,355,646; Aug. 15.
Haase, Jesse A., Martinsville, Ind. Baler wire guide. 2,355,647; Aug. 15.
Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrogen halide recovery. 2,355,857; Aug. 15.
Hahn, Stuart H., and R. H. Judson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for determining the relative porosity of various porous materials. 2,355,858; Aug. 15.
Hamilton Watch Company. (See Le Van, James O., assignor.)
Hammand, Lowell F., Washington, D. C. Signaling device. 2,355,648; Aug. 15.
Hankins, Cyrus, Washington, D. C., assignor to Unitcast Corporation, Toledo, Ohio. Hopper for railway cars. 2,355,859; Aug. 15.
Hanna, Clinton R., Pittsburgh, and L. A. Kilgore, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable speed drive. 2,356,051; Aug. 15.
Hanna, Raymond P., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. 2,356,052; Aug. 15.
Hansen, Wray C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle. 2,355,860; Aug. 15.
Hansley, Virgil L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process for acylation. 2,355,970; Aug. 15.
Hansley, Virgil L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process for acylation. 2,355,971; Aug. 15.
Hanson, Ralph W., Minneapolis, assignor to Vulcan Manufacturing Co., Inc., St. Paul, Minn. Cleaning and reoiling device for air cleaners. 2,355,725; Aug. 15.
Hanwell, Cedric H. (See Steinle, L. C., and Hanwell.)
Harder, Oscar E., and J. T. Gow, Columbus, Ohio, assignors, by mesne assignments, to Pangborn Corporation, Hagerstown, Md. Abrasion resistant articles and alloys. 2,355,726; Aug. 15.
Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Treating 2-hydroxy-1-dithionaphthoic acid and product resulting therefrom. 2,355,972; Aug. 15.
Hardy Metallurgical Company. (See Cremer, George D., assignor.)
Harlin, Varney S., Wheatland, Okla. Spinning line cathead. 2,355,861; Aug. 11.
Harper, Lyndus E., assignor to Omega Machine Company, Kansas City, Mo. Self-closing valve. 2,355,862; Aug. 15.
Harris Foundry & Machine Company. (See Pryor, W. A., and Harris, assignors.)
Harris, Frank C., Bay Village, Ohio, assignor to The American MonoRail Company, Cleveland, Ohio. Crossover for crane bridges. 2,355,863; Aug. 15.
Harris, Frederic R., New York, N. Y. Barge. 2,355,973; Aug. 15.
Harris, Thomas R. (See Pryor, W. A., and Harris.)
Hartzell, Herman L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition coil. 2,355,864; Aug. 15.
Harvill, Edward, Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Insecticidal composition. 2,355,974; Aug. 15.
Hasselquist, Hugo S., Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Mechanical pencil. 2,355,914; Aug. 15.
Hastings, Arthur C., Jr., and O. B. and W. R. Horsfield, South Yarmouth, Mass. Spark plug. 2,356,053; Aug. 15.
Hastings, Orlando B. (See Hastings, Arthur C., Jr., and O. B., and Horsfield.)
Hawley, Jesse B. (See Eberman, Augustus H., assignor.)
Hayden, Kenneth L., Brooklyn, N. Y. Frozen confection. 2,355,915; Aug. 15.
Hays Manufacturing Company. (See Klein, Felix, assignor.)
Heck, John T., Elmhurst, assignor to Da-Lite Screen Company, Inc., Chicago, Ill. Portable picture screen stand. 2,355,799; Aug. 15.
Heineken & Coffeen. (See Coffeen, J. M., and Heineken, assignors.)
Heineken, William P. (See Coffeen, J. M., and Heineken.)
Heinmiller, Percival M. (See Barnhart, R. M., Bennett, and Heinmiller.)
Helmuth, Louis W., Lakewood, assignor to The Midland Steel Products Company, Cleveland, Ohio. Combination bathroom structure. 2,355,615; Aug. 15.
Henrici, Fritz W. A., Milton, Mass., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Liquid temperature control unit. 2,355,975; Aug. 15.
Hensel, Walter C., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,355,800; Aug. 15.
Hercules Powder Company. (See Bergamini, Charles E., assignor.)
Hercules Powder Company. (See Cox, Richard F. B., assignor.)
Hercules Powder Company. (See Morrow, Donald G., assignor.)
Hessler, John O. (See Fernlund, K. H., Hessler, and Hultberg.)
Hickok, Robert D., Bratenahl, assignor to Cleveland Patents, Incorporated, Cleveland, Ohio. Electric meter. 2,355,649; Aug. 15.
Hildenbrand, Kenneth W., assignor to Monroe Auto Equipment Company, Monroe, Mich. Spacer. 2,355,801; Aug. 15.
Hill, James H., assignor of forty-nine per cent to H. F. Craven, Redondo Beach, Calif. Welding rod holder. 2,356,054; Aug. 15.
Hobson, H. M., (Aircraft & Motors) Componenta Limited. (See Stokes, Philip H., assignor.)
Hodnette, John K., M. G. Leonard, and P. Sellers, Sharon, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switch operator. 2,356,055; Aug. 15.
Hofbauer, Frank, Detroit, Mich. Rotary cutter. 2,355,865; Aug. 15.
Hoffman, Bertram F. (See Benson, T. W., and Hoffman.)
Hoffmann-La Roche, Inc. (See Lee, J., and Freudenberg, assignors.)
Hogg, Frederick D., London, England. Soap container. 2,356,056; Aug. 15.
Holley, Earl, et al. (See Udale, Stanley M., assignor.)
Holley, George M., et al. (See Udale, Stanley M., assignor.)
Hollihan, John P., Jr., Garden City, Pa., assignor to American Viscose Corporation, Wilmington, Del. Production of viscose. 2,355,650; Aug. 15.
Hölters, Friedrich, Berlin-Lankwitz, Germany; vested in the Alien Property Custodian. Electric control circuit. 2,355,727; Aug. 15.
Honorary Advisory Council for Scientific and Industrial Research, The. (See Pidgeon, L. M., and Phillips, assignors.)
Hook, Ray W., Near Union, assignor to Monarch Mills, Union, S. C. Parallel mechanism for looms. 2,355,802; Aug. 15.
Hoosier Crown Corporation, The. (See Smith, Robert P., assignor.)
Hoover Ball & Bearing Company. (See Koepp, Orville W., assignor.)
Hopewell, Fred B., Bargaintown, N. J. Window unit. 2,355,803; Aug. 15.
Hormes, William T., Catonsville, Md. Shelving support. 2,355,651; Aug. 15.
Horn, Knud. (See Andersen, A. B., and Horn.)
Horsfield, Wallis R. (See Hastings, Arthur C., Jr., and O. B., and Horsfield.)

Householder, Lawrence B., Wellsville, Ohio. Game apparatus. 2,356,057; Aug. 15.
Hoy, Walter C. (See Price, Duane W., assignor.)
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitter. 2,355,976; Aug. 15.
Hughes, Hugh E., Berkeley, Calif. Sealing composition. 2,355,977; Aug. 15.
Hultberg, Allan E. (See Fernlund, K. H., Hessler, and Hultberg.)
Humber Limited. (See Sampietro, A. C., and Oliver, assignors.)
Humphner, Ferdinand W., River Forest, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Binding device and material therefor. 2,356,059; Aug. 15.
Hunting, Irving A., South Plainfield, N. J. Offset printing press. 2,356,058; Aug. 15.
Hutchinson, Volney A., assignor to Teletype Corporation, Chicago, Ill. Packaging receptacle. 2,355,804; Aug. 15.
Hyland, William A., assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Fertilizer distributor. 2,355,728; Aug. 15.
Ilex Optical Company. (See Schwarz, Alfred, assignor.)
Ilford Limited. (See Kendall, J. D., and Fry, assignors.)
Imperial Brass Manufacturing Company, The. (See Franck, George E., assignor.)
Imperial Chemical Industries Limited. (See Irving, F., and Piggott, assignors.)
Ingalls, John M., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Stock pusher. 2,355,866; Aug. 15.
Ingersoll-Rand Company. (See Allen, Roy O., assignor.)
Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Container. 2,355,729; Aug. 15.
Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Leakproof carton. 2,355,730; Aug. 15.
International Standard Electric Corporation. (See Carroll, Louis W., assignor.)
International Standard Electric Corporation. (See Foulkes, Christopher H., assignor.)
Iowa Manufacturing Company. (See Kosky, J. F., and Plumb, assignors.)
Ipatieff, Vladimir N. (See Pines, H., and Ipatieff.)
Irvin, Ward M., Battle Creek, Mich. Smoking device. 2,355,652; Aug. 15.
Irving, Francis, and H. A. Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Indnstries Limited. Anthraquinone vat dyestuffs. 2,356,060; Aug. 15.
Irving, Francis, and H. A. Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Anthraquinone dyestuffs. 2,356,061; Aug. 15.
Jacoby-Bender, Inc. (See Rodriguez, Emil, assignor.)
James, Parker H., Indianapolis, Ind. Illuminated display case. 2,355,731; Aug. 15.
Jarvis, Harold R., San Francisco, Calif. Detachable freight carrying device. 2,355,867; Aug. 15.
Jean, James W., Altadena, Calif. Catalytic hydrocarbon reactions and catalysts therefor. 2,355,868; Aug. 15.
Jepsen, Erik, Cincinnati, Ohio. Weed killing implement. 2,355,732; Aug. 15.
Johnson & Johnson. (See Cox, Walter A., assignor.)
Johnson, Charles A., and G. E. Buys, Flint, Mich.; said Johnson assignor to said Buys. Pipe cleaning device. 2,355,733; Aug. 15.
Johnson, Charles C., assignor to Latimer Laboratory, Inc., New York, N. Y. Therapeutic composition. 2,356,062; Aug. 15.
Johnson, George H., assignor to Gisholt Machine Company, Madison, Wis. Transmission and control mechanism. 2,355,869; Aug. 15.
Johnson, John L. (See MacDonald, A. A., and Johnson.)
Johnson, Roy W., Milwaukee, Wis. Oil control device. 2,355,870; Aug. 15.
Jones, Howard J. (See Wade, R. S., and Jones.)
Jorgensen, Clarence H., and L. C. Dermond, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine control device. 2,356,063; Aug. 15.
Jorgensen, Clarence H., and L. C. Dermond, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine control device. 2,356,064; Aug. 15.
Joyce, Dwight P., Shaker Heights, assignor to The Glidden Company, Cleveland, Ohio. Supporting rack. 2,355,653; Aug. 15.
Judson, Robert H. (See Hahn, S. H., and Judson.)
Karpen, S., & Bros. (See Van Derveer, Clarence A., assignor.)
Katz, Albert, assignor to Bundy Tubing Company, Detroit, Mich. Floating pin mandrel. 2,355,734; Aug. 15.
Kauffeld, Walter, et al. (See Orr, Asa A., assignor.)
Keating, Thomas J., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Meter ink. 2,356,065; Aug. 15.
Keeler Brass Company. (See Keeler, Isaac S., assignor.)
Keeler, Isaac S., assignor to Keeler Brass Company, Grand Rapids, Mich. Door handle or the like. 2,355,978; Aug. 15.
Kellogg, M. W., Company, The. (See Roberts, George, Jr., assignor.)
Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Dyestuffs for use in photography. 2,355,654; Aug. 15.
Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Quality grader. 2,355,735; Aug. 15.
Keyzer, John, West Allis, Wis. Drain plug. 2,355,979; Aug. 15.
Kidd, Ernest L., Glenhayes, W. Va. Tie plate. 2,355,655; Aug. 15.
Kilgore, Lee A. (See Hanna, C. R., and Kilgore.)
Klafstad, Erling, Belmont, assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Relief valve. 2,355,916; Aug. 15.
Klein, Felix, assignor to Hays Manufacturing Company, Erie, Pa. Faucet. 2,355,736; Aug. 15.
Knight, Theresa M., executrix. (See Knight, William M.)
Knight, William M., Minneapolis, Minn., deceased; T. M. Knight, executrix, assignor to The Personal Products Corporation, New Brunswick, N. J. Applicator. 2,355,917; Aug. 15.
Koepp, Orville W., assignor to Hoover Ball & Bearing Company, Ann Arbor, Mich. Antifriction bearing shield. 2,355,805; Aug. 15.
Komarewsky, Vasili. (See Egloff, G., and Komarewsky.)
Kosky, James F., and R. F. Plumb, assignors to Iowa Manufacturing Company, Cedar Rapids, Iowa. Spare wheel carrier. 2,355,980; Aug. 15.
Kotelev, Serge G. and S. F., Long Island City, N. Y. Reconnaissance and attack buoy for submarines. 2,355,918; Aug. 15.
Kotelev, Sophie F. (See Kotelev, Serge G. and S. F.)
Kothe, Herbert. (See Light, R. F., Kothe, and Frey.)
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Tube connector. 2,355,871; Aug. 15.
Krehbiel, John J., Bridgeport, Conn. Binding book. 2,355,737; Aug. 15.
Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,355,872; Aug. 15.
Kroyer, John M., assignor of one-fourth to J. O. Eccleston, Stockton, Calif. Internal-combustion engine. 2,355,806; Aug. 15.
Kurkjian, Yervant H., Clifton, N. J. Automatic control for the letoff mechanism of looms. 2,355,656; Aug. 15.
L & M Rubber Products, Inc. (See MacGregor, Laurence B., assignor.)
La Faille, Harvey, Springfield, Mass. Sheet positioning device. 2,355,873; Aug. 15.
Laird, Wilbur G., Pleasantville, N. Y. Constructing metal liquid storage tanks. 2,355,874; Aug. 15.
Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,355,657; Aug. 15.
Lalonde, Oscar V., assignor to Cushman & Denison Manufacturing Company, Inc., New York, N. Y. Safety envelope. 2,356,066; Aug. 15.
Lane-Wells Company. (See Otis, Russell M., assignor.)
Lange, Paul H. (See Bullard, E. P., III, Mussler, Lange, Cowell, and Alvey.)
Lanzit, Howard E. (See Dreher, D. F., and Lanzit.)
Lanzit, Raymond R., et al. (See Dreher, D. F., and Lanzit, assignors.)
La Place, Desmond R., assignor to Bocji Corporation, Pittsburgh, Pa. Stapling device. 2,355,807; Aug. 15.
Large, Wayne V. K., Glenwood Landing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Satellite office telegraph switching system. 2,356,067; Aug. 15.
Larsson, Samuel A., assignor to Plas-Matic, Inc., New York, N. Y. Refrigeration. 2,356,068; Aug. 15.
La Salle Designing Company. (See Stanley, Richard B., assignor.)
Lasseter, Franklin P., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Method of and apparatus for clarifying liquids. 2,355,875; Aug. 15.
Latimer Laboratory, Inc. (See Johnson, Charles C., assignor.)
Lawlor, Joseph P., Ames, Iowa. Removal of manganese from water. 2,355,808; Aug. 15.
Lawlor, Reed C., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Method and apparatus for mass spectrometry. 2,355,658; Aug. 15.
Lázaga, Francisco F., la Vibora, Habana, Cuba. Fluid brake operating transmission. 2,355,876; Aug. 15.
Lee, John, Nutley, and W. Freudenberg, Cranford, assignors to Hoffmann-La Roche, Inc., Nutley, N. J. Piperidine derivatives and manufacture of the same. 2,355,659; Aug. 15.
Le Febvre, Alfred L. (See Cave, H., and Le Febvre.)
Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Popgun. 2,355,809; Aug. 15.
Leitzel, Raymond H., Forest Hills, and W. H. Ware, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,356,069; Aug. 15.
Lempert, Joseph, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. X-ray system for varying intensity X-ray beams. 2,355,981; Aug. 15.

Leonard, Merrill G. (See Hodnette, J. K., Leonard, and Sellers.)
Le Rouge, Jean, Boulogne-sur-Seine, France; vested in the Alien Property Custodian. Removing the substances condensed in cold accumulators in the cooling of gases. 2,355,660; Aug. 15.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Draft unit. 2,355,893; Aug. 15.
Le Van, James O., assignor to Hamilton Watch Company, Lancaster, Pa. Processing crystalline structures. 2,355,877; Aug. 15.
Light, Robert F., Mount Vernon, H. Kothe, Bronx, and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Extraction of sterols. 2,355,661; Aug. 15.
Linde Air Products Company, The. (See Young, L. W., and Deck, assignors.)
Lindstrom, Ture. (See Grissinger, G. G., and Lindstrom.)
Line Material Company. (See Schultz, William O., assignor.)
Linen Guild, Inc. (See Thorne, Ward, assignor.)
Linhardt, Charles, Jr., Baltimore, Md. Electric water light. 2,355,982; Aug. 15.
Lipsius, Samuel, New York, N. Y. Coating process. 2,355,919; Aug. 15.
Liquid Carbonic Corporation, The. (See Goddeau, Guy F., assignor.)
Livar, Allen P., Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich. Safety pilot. 2,355,878; Aug. 15.
Locke Insulator Corporation. (See Skipper, Edward M., assignor.)
Loewy, Walter W., New York, N. Y. Method and means of peeling grains. 2,355,810; Aug. 15.
Lohse, Frederick E. (See Plumley, R. G., and Lohse.)
Long, Russell E., Western Springs, assignor to National Cylinder Gas Company, Chicago, Ill. Electric welding machine. 2,355,983; Aug. 15.
Longwell, Robert R., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,356,070; Aug. 15.
Lowe, Russell E. (See Morgan, J. D., and Lowe.)
Lupton, Elmer H., Ilchester, Md. Coat hanger. 2,355,984; Aug. 15.
Lyem, Artbur, Cumberland, Md., assignor to Celanese Corporation of America. Ornamental materials. 2,355,738; Aug. 15.
Mabee, David W., North Haven, assignor to National Folding Box Company, New Haven, Conn. Hinged cover container. 2,355,665; Aug. 15.
MacDonald, Angus A., and J. L. Johnson, Catonsville, Md., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Multivibrator. 2,356,071; Aug. 15.
Macdonald, Archie. (See Roxs, F. L., and Macdonald.)
MacFarland, Allison M., Freeport, assignor to Burgess Battery Company, Chicago, Ill. Dry cell apparatus. 2,355,985; Aug. 15.
Macfarlane, Robert F., Osterley, and C. Dumbleton, assignors to Baker Perkins Limited, Peterborough, England. Transporting biscuits or like articles. 2,355,879; Aug. 15.
MacGregor, Laurence B., Long Beach, assignor, by direct and mesne assignments, to L & M Rubber Products, Inc., Long Beach, Calif. Transmission gearing. 2,355,666. Aug. 15.
Macha, Hynek A., Tahoka, Tex. Cotton harvesting machine. 2,355,880; Aug. 15.
MacLean-Fogg Lock Nut Company. (See MacLean, John A., Jr., McNaught, and Doke, assignors.)
MacLean, John A., Jr., Winnetka, N. F. McNaught, River Forest, and E. G. Doke, Evanston, assignors to MacLean-Fogg Lock Nut Company, Chicago, Ill. Floor clip. 2,355,986; Aug. 15.
Magnavox Company, The. (See Dunleavey, F. S., and Clark, assignors.)
Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)
Mahler, Adam G., New York, N. Y. Ground pulverizer. 2,356,072; Aug. 15.
Malco, Inc. (See Dorfman, John, assignor.)
Mallory, Marion, Detroit, Mich. Engine governor. 2,355,881; Aug. 15.
Malsbary, Job F., and W. W. Taylor, assignors to Malsbary Manufacturing Company, Oakland, Calif. Cleaning installation. 2,355,882; Aug. 15.
Malsbary Manufacturing Company. (See Malsbary, J. F., and Taylor, assignors.)
Margolis, Abraham E. (See Bonstow, T. L., and Margolis.)
Marinsky, Davis. (See Morin, Louis H., assignor.)
Marinsky, Davis, and L. H. Morin, Bronx, N. Y. Separable fastener slider lock. 2,355,987; Aug. 15.
Marston, Oliver F., Pensacola, Fla. Gun sight. 2,355,920; Aug. 15.
Martindell, Frank, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for shaping articles. 2,355,811; Aug. 15.
Martindell, Frank, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for shaping articles. 2,355,812; Aug. 15.
Mathews, Edwin S., Burbank, Calif. Soldering iron rest. 2,355,883; Aug. 15.
Mathias, David L., East Orange, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Weld rod covering. 2,355,988; Aug. 15.
May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Reaction products of aliphatic alcohols and terpene-phosphorus sulphide. 2,356,073; Aug. 15.
May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Zinc salt of the reaction products of aliphatic alcohols and terpene-phosphorus sulphide. 2,356,074; Aug. 15.
May, Thayer T., Garden City, La. Method of logging. 2,355,813; Aug. 15.
Mayer, Carl F., Lakewood, Ohio. Oven for the continuous baking of cores or the like. 2,355,814; Aug. 15.
McCabe, Ira E., Chicago, Ill. Meteorological apparatus. 2,355,739; Aug. 15.
McCulley, Faye M. (See Weeks, E. T., and McCulley.)
McCullough, Jack A. (See Eitel, W. W., and McCullough.)
McGarry, John T., and H. A. Eads, Cincinnati, Ohio; said Eads assignor to said McGarry. Water delivery apparatus. 2,355,662; Aug. 15.
McGill, Chester T., Elgin, Ill. Fluid conditioning apparatus. 2,355,815; Aug. 15.
McGlothlin, Jacob J., Rowlandville, Md. Trailer. 2,355,663; Aug. 15.
McGowan, Kenneth J. J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Slow release lock for railway switches. 2,355,989; Aug. 15.
McIntosh, Maurice D., Cleveland Heights, assignor to L. S. Sanders, Shaker Heights, Ohio. Medium for use in making camera copies and preparing same. 2,355,884; Aug. 15.
McKisson, Henry W. (See Myers, Hubert A., assignor.)
McMann, Ira H., Danville, Va. Fire control apparatus. 2,355,664; Aug. 15.
McNaught, Norris F. (See MacLean, J. A., McNaught, and Doke.)
McNees, Lillie S., Overton, assignor of one-third to L. R. Skinner, Kilgore, Tex. Obstetrical belt. 2,355,740; Aug. 15.
McNeil Machine and Engineering Company, The. (See Brundage, James W., assignor.)
Melton, Romie L., and A. L. Ball, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 2,355,667; Aug. 15.
Menzer, Anton, assignor of one-half to A. Fischer, Brooklyn, N. Y. Altimeter. 2,355,990; Aug. 15.
Mercier, Pierre E., and R. Planiol, New York, N. Y. Airspeed meter. 2,355,921; Aug. 15.
Merle, Joseph M., Pittsburgh, Pa. Processes for chemically pirifying and refining metals and other substances in fusion. 2,355,885; Aug. 15.
Metal & Thermit Corporation. (See Mathias, David L., assignor.)
Meyers, Stanley T., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized nonlinear feedback system. 2,355,991; Aug. 15.
Mica Insulator Company. (See Coffey, J. M., Pickney, and Griffeth, assignors.)
Midland Steel Prolucts Company, The. (See Helmuth, Louis W., assignor.)
Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)
Migrdichian, Vartkes, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Acrylonitriles and substituted acrylonitriles as fumigants. 2,356,075; Aug. 15.
Miller, Franklin S. (See Barbour, H. C., and Miller.)
Miller, Harold W., assignor of one-half to M. Mohr, Niagara Falls, N. Y. Steam generator. 2,355,886; Aug. 15.
Minero, Eligio, Jersey City, N. J. Coupling device. 2,355,922; Aug. 15.
Mining Process and Patent Company. (See Finney, J. H. V., and Daman, assignors.)
Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)
Moberly, Lawrence E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Porous brush manufacture. 2,356,076; Aug. 15.
Moessinger, Albert, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Thread insertion in nipper looms. 2,355,741; Aug. 15.
Mohr, Michael. (See Miller, Harold W., assignor.)
Moinichen, Petter, Chicago, Ill., assignor, by mesne assignments, to United States Government, as represented by the Secretary of War and his successors in office. Cartridge belt link manufacture. 2,355,992; Aug. 15.
Monarch Mills. (See Hook, Ray W., assignor.)
Monroe Auto Equipment Company. (See Hildenbrand, Kenneth W., assignor.)
Monsarrat, Nicholas. (See Beede, H. C., and Monsarrat.)
Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Conduit supporting block. 2,355,742; Aug. 15.

Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Low temperature lubricants. 2,355,993; Aug. 15.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Water-soluble cutting compound and manufacture. 2,355,994; Aug. 15.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Water-soluble cutting composition. 2,355,995; Aug. 15.

Morin, Louis H. (See Marinsky, D., and Morin.)

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Offset double-acting scoop. 2,355,996; Aug. 15.

Mörner, Hans G., New York, N. Y. Closure. 2,355,816; Aug. 15.

Morrow, Donald G., assignor to Hercules Powder Company, Wilmington, Del. Explosive compositions. 2,355,817; Aug. 15.

Morse, Kenneth P., assignor to The Standard Register Company, Dayton, Ohio. Strip feeding attachment. 2,355,668; Aug. 15.

Moser, Jesse, assignor to Vickers, Incorporated, Detroit, Mich. Operating piston for oil wells. 2,355,669; Aug. 15.

Moule, Rex. E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Sterilization. 2,355,887; Aug. 15.

Mount, Edna, assignor of one-half to R. Emerson, New York, N. Y. Combination couch and bed. 2,356,077; Aug. 15.

Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Roller. 2,355,743; Aug. 15.

Mueller, Otto, Dearborn, and H. G. Scholtz, Wyandotte, assignors to The Murray Corporation of America, Detroit, Mich. Frame riveting machine. 2,355,997; Aug. 15.

Murray Corporation of America. (See Mueller, O., and Scholtz, assignors.)

Mussler, Frank H. (See Bullard, E. P., III, Cowell, and Mussler.)

Mussler, Frank H. (See Bullard, E. P., III, Mussler, Lange, Cowell, and Alvey.)

Myers, Hubert A., assignor of one-half to H. W. McKisson, Toledo, Ohio. Brush manufacture. 2,355,744; Aug. 15.

Myers, James E., St. Mary's, assignor to Globe Envelopes Limited, Toronto, Ontario, Canada. Envelope for metallic objects. 2,356,078; Aug. 15.

Naeher, Paul, Evanston, and M. T. Williams, Oak Park, assignors to B. F. Gump Co., Chicago, Ill. Apparatus for treating wheat germs. 2,355,670; Aug. 15.

Naeher, Paul, and W. M. Williams, Evanston, assignors to B. F. Gump Co., Chicago, Ill. Apparatus for treating germs of wheat. 2,355,671; Aug. 15.

National Cylinder Gas Company. (See Long, Russell E., assignor.)

National Folding Box Company. (See Mabee, David W., assignor.)

Nelles, Johannes, Leverkusen-Schlebusch, O. Bayer and W. Tischbein, Leverkusen-I. G.-Werk, and F. Baehren, Dormagen, Kasino, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Animalizing of cellulosic materials. 2,356,079; Aug. 15.

Netzky, John, assignor to W. Netzky, trading as Susquehanna Waist Company, Philadelphia, Pa. Ladies' slacks and the like. 2,355,745; Aug. 15.

Netzky, William. (See Netzky, John, assignor.)

Newsome, John H. (See Wahlstedt, K. A. R., and Newsome.)

Nordberg, Charles H., Chicago Heights, Ill., assignor to Pettibone Mulliken Corporation. Rail brace. 2,356,080; Aug. 15.

Nordberg, Martin E., Corning, N. Y., and H. E. Rumenapp, West Los Angeles, Calif., assignors to Corning Glass Works, New York, N. Y. Making high silica glass. 2,355,746; Aug. 15.

Novotny, Emil E., assignor to Durite Plastics, Incorporated, Philadelphia, Pa. Injection method of molding thermosetting material. 2,356,081; Aug. 15.

Nusbaum, Mortimer, Akron, Ohio. Lock. 2,355,888; Aug. 15.

O'Day, Cortland N., Port Washington, assignor to Air Devices, Inc., New York, N. Y. Baffle for oil burning furnaces. 2,355,923; Aug. 15.

Oliver, Robert M., Reno, Nev., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,355,747; Aug. 15.

Oliver, Wilfred T. (See Sampietro, A. C., and Oliver.)

O'Loughlin, James J., assignor to Paint Engineers, Inc., Hawthorne, N. J. Coating composition. 2,355,889; Aug. 15.

Omega Machine Company. (See Harper, Lyndus E., assignor.)

Orr, Asa A., Morgantown, assignor of twenty percent to H. Osbourne, Van Voorhis, and twenty percent to W. Kauffeld, Star City, W. Va. Pump. 2,355,748; Aug. 15.

Osbourne, Harold, et al. (See Orr, Asa A., assignor.)

Otis, Russell M., Pasadena, assignor to Lane-Wells Company, Los Angeles, Calif. Method of and apparatus for firing gun perforators. 2,356,082; Aug. 15.

Owens-Illinois Glass Company. (See Fedorchak, William J., assignor.)

Page, Herbert E., Syracuse, N. Y. Electric shaver. 2,355,672; Aug. 15.

Paint Engineers, Inc. (See O'Loughlin, James J., assignor.)

Palme, Arthur, Pittsfield, Mass., assignor to General Electric Company. Safety system. 2,355,998; Aug. 15.

Pangborn Corporation. (See Harder, O. E., and Gow, assignors.)

Pantex Pressing Machine, Inc. (See Beede, Herbert G., assignor.)

Pantex Pressing Machine, Inc. (See Beede, H. G., and Monsarrat, assignors.)

Parks, Walter J., Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Closure fastener for screening machines. 2,355,890; Aug. 15.

Parks, Walter J., Shaker Heights, Ohio. Screening apparatus. 2,355,891; Aug. 15.

Parsons, John S., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical distribution system. 2,356,083; Aug. 15.

Pateras Pescara, Raul, Lisbon, Portugal, assignor of one-tenth to Societe D'Etudes et de Participations, Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland. Free piston machine. 2,355,924; Aug. 15.

Patterson, David E., Philadelphia, Pa., assignor to Bast Fiber Development Corporation, New York, N. Y. Decorticating ramie, and other bast fibers. 2,355,999; Aug. 15.

Patterson, David E., Philadelphia, Pa., assignor to Bast Fiber Development Corporation, New York, N. Y. Fiber separating machine (ramie). 2,356,000; Aug. 15.

Peck, Clarence E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Gas-generator unit. 2,356,084; Aug. 15.

Perfex Corporation. (See Bossart, Otto A., assignor.)

Person, Edward, Brooklyn, N. Y., assignor to General Felt Products Inc. Apparatus for coating webs. 2,355,673; Aug. 15.

Personal Products Corporation, The. (See Knight, William M., assignor.)

Peters and Russell, Inc. (See Peters, G. E., and Russell, assignors.)

Peters, George E., and L. E. Russell, assignors to Peters and Russell, Inc., Springfield, Ohio. Exhaust pipe extension. 2,355,674; Aug. 15.

Petrolite Corporation, Ltd. (See Roberts, Claudius H. M., assignor.)

Pettibone Mulliken Corporation. (See Nordberg, Charles H., assignor.)

Pfaff, Henry C., Jr., East Orange, N. J. Radio antenna mast. 2,356,085; Aug. 15.

Pfaudler Co., The. (See Geisinger, E. E., and Goecke, assignor.)

Philco Radio and Television Corporation. (See Bradley, William E., assignor.)

Phillips, Norman W. F. (See Pidgeon, L. M., and Phillips.)

Phillips Petroleum Company. See Hachmuth, Karl H., assignor.)

Phillips Petroleum Company. (See Reid, James A., assignor.)

Phillips Petroleum Company. (See Schulze, Walter A., assignor.)

Photoplating Company, The. (See Berg, Carlton T., assignor.)

Pickney, Joseph J. (See Coffey, J. M., Pickney, and Griffeth.)

Pidgeon, Lloyd M., Rockcliffe Park, and N. W. F. Phillips, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Production of anhydrous magnesium chloride. 2,356,118; Aug. 15.

Piggott, Henry A. (See Irving, F., and Piggott.)

Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,356,001; Aug. 15.

Planiol, René. (See Mercier, P. E., and Planiol.)

Plas-Matic, Inc. (See Larsson, Samuel A., assignor.)

Plumb, Robert F. (See Kosky, J. F., and Plumb.)

Plumley, Richard G., Glenbrook, Conn., and F. E. Lohse, Barrington, assignors to Crown Fastener Corporation, Warren, R. I. Treatment of plastic bead chains and the like. 2,356,002; Aug. 15.

Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device and method. 2,356,003; Aug. 15.

Polson, Alexander D., McWatters, Quebec, Canada. Brake for hoist machinery. 2,355,749; Aug. 15.

Potter, Howell L., assignor to The Fafnir Bearing Company, New Britian, Conn. Bearing. 2,355,818; Aug. 15.

Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Machine for making fastener stringers. 2,356,086; Aug. 15.

Praeger, Frank H., Merion, assignor to Alcorn Combustion Company, Philadelphia, Pa. Supporting heater tubes. 2,355,892; Aug. 15.

Premo, Owen D., Muskegon Heights, Mich. Shaft milling and grinding machine. 2,355,750; Aug. 15.

Price, Duane W., assignor to W. C. Hoy, Chicago, Ill. Shaker. 2,356,004; Aug. 15.

Proctor & Gamble Company, The. (See Schlegel, Fritz, assignor.)

Proctor, B. A., Company. (See Proctor, Barton A., assignor.)

Proctor, Barton A., Larchmont, assignor to B. A. Proctor Company, Inc., New York, N. Y. Sound recording and reproducing. 2,355,751; Aug. 15.

Prokul, Michael K., Maplewood, N. J., assignor to Elastic Stop Nut Corporation of America. Countersinker or the like for nuts. 2,356,087; Aug. 15.

Prokul, Michael K., Maplewood, N. J., assignor to Elastic Stop Nut Corporation of America. Distributing apparatus. 2,356,088; Aug. 15.

Prosperity Company, The. (See Henrici, Fritz W. A., assignor.)

Pryor, William A., and T. R. Harris, assignors to Harris Foundry & Machine Company, Cordele, Ga. Baling press. 2,355,675; Aug. 15.

Quick, George C., Phoenix, Ariz. Airplane insecticide dissemination apparatus. 2,356,119; Aug. 15.

Rake, Geoffrey W., Kingston, and M. F. Shaffer, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Lymphogranuloma venereum antigen and preparing it. 2,355,676; Aug. 15.

Ransome, Stafford M., assignor to Barber-Coleman Company, Rockford, Ill. Clamping device. 2,355,677; Aug. 15.

Rau, Harry A. (See Goebel, G., and Rau.)

Ray, William A., Glendale, Calif. Refrigerating system. 2,355,894; Aug. 15.

Raytheon Manufacturing Company. (See Dawson, John W., assignor.)

Reasoner, Horace P., Cheyenne, Wyo. Wrench. 2,355,819; Aug. 15.

Reciprocating Razors Corporation. (See Van Slyke, Victor T., assignor.)

Reid, James A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Polymerization process. 2,355,925; Aug. 15.

Reimer, Herman C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 2,355,820; Aug. 15.

Repking, Joseph T., East Chicago, Ind. Electronic alarm. 2,355,752; Aug. 15.

Rice, Edward F. T., Hamburg, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Thermometer well for ball-mill type reactors. 2,355,821; Aug. 15.

Rice, Frank E., deceased, by N. E. Rice, administrator, Detroit, Mich. Faucet. 2,356,089; Aug. 15.

Rice, Nelson E., administrator. (See Rice, Frank E.)

Ridings, Garvice H., Summit, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. System and apparatus for facsimile telegraphy. 2,356,116; Aug. 15.

Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Axminster loom. 2,356,090; Aug. 15.

Roberts, Claudius H. M., Palos Verdes Estates, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Removing impurities from hydrocarbons. 2,355,678; Aug. 15.

Roberts, George, Jr., Montclair, assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalytic apparatus. 2,355,753; Aug. 15.

Roberts, Thomas L., St. Paul, Minn. Automatic releasable lock. 2,355,895; Aug. 15.

Robertson, Edgar C. (See Ales, P., and Robertson.)

Rodriguez, Emil, assignor to Jacobr-Bender, Inc., New York, N. Y. Bracelet clasp. 2,355,926; Aug. 15.

Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of sulphur modified polyhaloprenes. 2,356,091; Aug. 15.

Rohrbach, Adolf K. (See Scheler, E., and Rohrbach.)

Roquemore, Glen F., assignor to Wingfoot Corporation, Akron, Ohio. Adhering gelatin coatings to metal. 2,356,005; Aug. 15.

Rosenstein, Bernard. (See Castelle, James, assignor.)

Rossi, Irving. (See Spooner, Henry W., assignor.)

Rotary Snow Plow Company. (See Greer, Edward R., assignor.)

Roxs, Frank L., and A. Macdonald, Evanston, Ill.; said Macdonald assignor to said Roxs. Slip-on lock device. 2,355,679; Aug. 15.

Ruben, Samuel, New Rochelle, N. Y. Electrical resistor device. 2,355,680; Aug. 15.

Rugeley, Edward W., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Filter medium. 2,355,822; Aug. 15.

Rumenapp, Harold E. (See Nordberg, M. E., and Rumenapp.)

Rupp, George F., Upper Darby, Pa. Hydraulic power transmission. 2,355,604; Aug. 15.

Russell, Linus E. (See Peters, G. E., and Russell.)

Ruthruff, Robert F., and D. F. Wilcox, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Extraction of drying oil. 2,355,605; Aug. 15.

Sallmann, Richard. (See Graenacher, Charles, and Sallmann.)

Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Printing telegraph apparatus. 2,356,092; Aug. 15.

Samer, Henry A., Ludlow, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Bus bar supporting clamp. 2,356,006; Aug. 15.

Sampietro, Achilles C., Coventry, and W. T. Oliver, Leamington, assignors to Humber Limited, Coventry, England. Cushion, shock absorber, vibration damper, or the like. 2,356,093; Aug. 15.

Sanders, Edwond W., Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Acid-resistant roll. 2,356,007; Aug. 15.

Sanders, Louis S. (See McIntosh, Maurice D., assignor.)

Saslaw, Otto, Lyndhurst, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Treating selenium elements. 2,356,094; Aug. 15.

Saxe, Leo C., Washington, D. C. Electric razor head assembly. 2,355,898; Aug. 15.

Schäfer, Kurt, Berlin-Eichkamp, Germany, assignor to Edward G. Budd Manufacturing Company. Vehicle body. 2,356,008; Aug. 15.

Scheler, Emil, Vegesack, near Bremen, and A. K. Rohrbach, deceased, Bremen-Oberneuland, by G. Edzard, Bremen, Germany, administrator; vested in the Alien Property Custodian. Aircraft wing. 2,355,681; Aug. 15.

Schlage, Walter R., Burlingame, Calif. Door lock. 2,355,682; Aug. 15.

Schlegel, Fritz, Duesseldorf, Germany, assignor, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. Polyglyrol ethers of higher secondary, monohydric alcohols. 2,355,823; Aug. 15.

Scholtz, Harry G. (See Mueller, O., and Scholtz.)

Schuerholz, William J., Jr. (See Stone, J. T., and Schuerholz.)

Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Fuse terminal. 2,355,824; Aug. 15.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of hydrocarbon liquids. 2,356,095; Aug. 15.

Schwarz, Alfred, assignor to Ilex Optical Company, Rochester, N. Y. Photoflash synchronizing mechanism. 2,355,825; Aug. 15.

Schwarzkopf, Paul, assignor to American Cutting Alloys, Inc., Yonkers, N. Y. Manufacturing hard metal compositions. 2,356,009; Aug. 15.

Scofield, Herbert F., Brooklyn, N. Y. Game. 2,355,927; Aug. 15.

Sealtest, Inc. (See Trebler, Henning A., assignor.)

Sell, Daniel, Kansas City, Mo. Lawn mower sharpener. 2,355,754; Aug. 15.

Sellers, Percy. (See Hodnette, J. K., Leonard, and Sellers.)

Servel, Inc. (See Taylor, Robert S., assignor.)

Seymour, Harry B., Pearl River, N. Y. Sectional inking roller for printing presses. 2,356,010; Aug. 15.

Shaffer, Morris F. (See Rake, G. W., and Shaffer.)

Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Mixing distributor. 2,356,096; Aug. 15.

Shannon, William W., assignor to W. & L. E. Gurley, Troy, N. Y. Oscillation circuit. 2,355,606; Aug. 15.

Sharp, Paul F., assignor to Cornell Research Foundation, Inc., Ithaca, N. Y. Check valve. 2,355,683; Aug. 15.

Sharpe, Joseph A., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Seismic prospecting. 2,355,826; Aug. 15.

Sheffield Corporation, The. (See Palk, Louis F., assignor.)

Sheldon, Lucian A., Schenectady, N. Y., assignor to General Electric Company. Packing arrangement. 2,356,011; Aug. 15.

Shepherd, Judson O., Atlanta, Ga. Control system. 2,355,607; Aug. 15.

Sherwin-Williams Company, The. (See Ruthruff, R. F., and Wilcox, assignors.)

Simmons, Harvl C., Davenport, Iowa. Slicing knife. 2,355,755; Aug. 15.

Simon, Johanna E., née Grünebaum, London, England. Connecting device. 2,355,913; Aug. 15.

Sinclair Refining Company. (See Finley, Willard L., assignor.)

Sinclair Refining Company. (See May, Robert L., assignor.)

Skinner, L. R. (See McNees, Lillie S., assignor.)

Skipper, Edward M., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator cutting machine. 2,355,684; Aug. 15.

Slightam, Paul E., Palos Heights, Ill., assignor to General Mills, Inc. Upending device. 2,356,120; Aug. 15.

Smidth, F. L., & Co. (See Andersen, A. B., and Horn, assignors.)

Smith, Alva T., assignor to The Sunlite Mfg. Company, Milwaukee, Wis. Plastic material and water-proofing the same. 2,355,756; Aug. 15.

Smith, Robert P., assignor to The Hoosier Crown Corporation, Crawfordsville, Ind. Crown bottle cap. 2,356,012; Aug. 15.

Smith, S., & Sons (Motor Accessories) Limited. (See Walton, Sydney A., assignor.)

Sneed, John. (See Forbes, Joseph A., assignor.)

Societe D'Etudes et de Participations, Eau Gaz, Electricite, Energie S. A. (See Pateras Pescara, Rau, assignor.)
Society of Chemical Industry in Basle. (See Graenacher, Charles, and Sallmann, assignors.)
Socony-Vacuum Oil Company. (See Berger, H. G., and Goodloe, assignors.)
Spanel, Abraham N., Princeton, N. J. Floatable stretcher. 2,355,757; Aug. 15.
Speer Resistor Corporation. (See Veley, Hugh N., assignor.)
Spence, John. (See Carroll, B. H., and Spence.)
Spooner, Henry W., Short Hills, assignor to I. Rossi, West Orange, N. J. Continuous casting of metals. 2,356,013; Aug. 15.
Squibb, E. R., & Sons. (See Rake, G. W., and Shaffer, assignors.)
Stagnaro, Henry A. (See Delucchi, A. W., and Stagnaro.)
Standard Brands Incorporated. (See Light, R. F., Kothe, and Frey, assignors.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Register Company, The. (See Morse, Kenneth P., assignor.)
Standard Register Company, The. (See Zent, Abram L., assignor.)
Stanley, Richard B., assignor to La Salle Designing Company, Chicago, Ill. Indexing mechanism. 2,356,097; Aug. 15.
Stanolind Oil and Gas Company. (See Sharpe, Joseph A., assignor.)
Steinle, Leo C., Wimbledon, London, and C. H. Hanwell, Cogenhoe, England. Threaded element. 2,356,098; Aug. 15.
Stelzer, William, Detroit, Mich. Brake. 2,355,827; Aug. 15.
Stevens, John E., New York, N. Y. Pump. 2,355,928; Aug. 15.
Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve device. 2,355,758; Aug. 15.
Stieger, Phillip J., St. Paul, Minn. Insulating and acoustical covering. 2,355,608; Aug. 15.
Stokes, Philip H., Stratford-on-Avon, assignor to H. M. Hobson (Aircraft & Motors) Components Limited, Bridgewater, Somerset, England. Exhaust-driven turbo supercharger for internal-combustion engines. 2,355,759; Aug. 15.
Stone, John T., ad W. J. Schuerholz, Jr., Baltimore, Md. Oil burner. 2,356,015; Aug. 15.
Stout, Raymond K., Dayton, Ohio. Wind simulator device for ground trainers. 2,355,685; Aug. 15.
Strubler, Gordon L., Corning, N. Y. Coating articles with glass. 2,356,016; Aug. 15.
Stuer, Joseph, Lawrence, Mass. Warp stop motion knock off device. 2,355,609; Aug. 15.
Sulzer Freres, Societe Anonyme. (See Moessinger, Albert, assignor.)
Sunlite Mfg. Company, The. (See Smith, Alva T., assignor.)
Susquehanna Waist Company. (See Netzky, John, assignor.)
Swift, Willard E., Jr., Worcester, Mass. Torque amplifier. 2,355,686; Aug. 15.
Swoboda, Richard, Sr., Detroit, Mich. Sausage linking machine. 2,356,099; Aug. 15.
Sylvania Industrial Corporation. (See Alles, George J., assignor.)
Talon, Inc. (See Poux, Noel J., assignor.)
Tangowski, Henry C., Elizabeth, N. J., assignor to Elastic Stop Nut Corporation of America. Nut tapping machine. 2,356,100; Aug. 15.
Tarbox, John P. (See Bower, J. O., and Tarbox.)
Tave, Samuel, Forest Hills, assignor to Fibrean Corporation, Whitestone, Long Island, N. Y. Folding table construction. 2,355,929; Aug. 15.
Taylor, Owen L. (See Ellis, Delbert, and Taylor.)
Taylor, Robert S., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Combined cooling and dehumidifying system. 2,355,828; Aug. 15.
Taylor, Walter W. (See Maisbary, J. F., and Taylor.)
Teletype Corporation. (See Hutchinson, Volney A., assignor.)
Teletype Corporation. (See Lake, Ross A., assignor.)
Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Multiple cylinder pump. 2,356,101; Aug. 15.
Texas Foundries, Inc. (See Yeoman, Ray C., assignor.)
Thexton Manufacturing Company. (See Worel, Glen J., assignor.)
Thompson, Boyce, Institute for Plant Research, Inc. (See Harvill, Edward, assignor.)
Thorne, Ward, Westport, Conn., assignor to Linen Guild, Inc., New York, N. Y. Stencil printing mechanism. 2,355,930; Aug. 15.
Tischbein, Wilhelm. (See Nelles, J., Bayer, Tischbein, and Baehren.)
Tognola, Tullio, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Ignition apparatus and making the same. 2,356,102; Aug. 15.
Tognola, Tullio, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Spark plug and making the same. 2,356,104; Aug. 15.
Tourjee, Neilson E., Jr., Morristown, N. J., assignor to Elastic Stop Nut Corporation of America. Distributing apparatus. 2,356,103; Aug. 15.
Trebler, Henning A., Baltimore, Md., assignor to Sealtest, Inc., New York, N. Y. Liquid clarification apparatus. 2,355,760; Aug. 15.
Trojan Powder Company. (See Wyler, Joseph A., assignor.)
Trumbull Electric Manufacturing Company, The. (See Samer, Henry A., assignor.)
Tuggle, Edgar C., Mosheim, Tenn. Tubular balloon. 2,355,610; Aug. 15.
Tyler, John M., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Cowl support. 2,355,829; Aug. 15.
Tyler, W. S., Company, The. (See Parks, Walter J., assignor.)
Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley, Governor. 2,356,017; Aug. 15.
Uhler, Wilmer P., Tottenville, N. Y., assignor to The S. S. White Dental Manufacturing Company. Brush holder for electric motors. 2,356,105; Aug. 15.
Union Oil Company of California. (See Byrns, Alva C., assignor.)
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
Union Switch & Signal Company, The. (See Dodd, Arthur E., assignor.)
Union Switch & Signal Company, The. (See McGowan, Kenneth J. J., assignor.)
Unitcast Corporation. (See Hankins, Cyrus, assignor.)
United Aircraft Corporation. (See Tyler, John M., assignor.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
Universal Oil Products Company. (See Egloff, G., and Komarewsky, assignors.)
Universal Oil Products Company. (See Hensel, Walter C., assignor.)
Universal Oil Products Company. (See Pines, H., and Ipatieff, assignors.)
Universal Oil Products Company. (See Ward, John W., assignor.)
Universal Zonolite Insulation Company. (See Goff, David C., assignor.)
Upton, Richard C., Mount Clemens, assignor of one-half to Commerce Pattern Foundry & Machine Company, Detroit, Mich. Electrically heated molten bath furnace. 2,355,761; Aug. 15.
U. S. Blind Stitch Machine Corporation. (See Buono, Mario, assignor.)
Utility Trailer Manufacturing Company. (See Barnhart, R. M., Bennett, and Heinmiller, assignors.)
Van Allan, James A. (See Allen, C. F. H., and Van Allan.)
Van Brunt Manufacturing Company, The. (See Hyland, William A., assignor.)
Van Slyke, Victor T., assignor to Reciprocating Razors Corporation, Philadelphia, Pa. Reciprocating safety razor. 2,355,830; Aug. 15.
Vanderbilt, R. T., Company. (See Craig, William L., assignor.)
Van Derveer, Clarence A., assignor to S. Karpen & Bros., Chicago, Ill. Chair or seat. 2,355,762; Aug. 15.
Van Hise, Lester E., assignor, by mesne assignments, to N. E. Coles, Los Angeles, Calif. Electric heater. 2,355,687; Aug. 15.
Van Sweringen, Harry M., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake gear support. 2,356,018; Aug. 15.
Veley, Hugh N., assignor to Speer Resistor Corporation, St. Marys, Pa. Choke coil, resistor, or the like. 2,355,611; Aug. 15.
Vickers, Incorporated. (See Moser, Jesse, assignor.)
Victory Safety Hammer Corporation. (See Gallant, Francis A., assignor.)
Vineberg, Samuel S., Buffalo, N. Y. Razor blade drier and container. 2,356,106; Aug. 15.
Vogel, Kurt M., Trumbull, Conn. Desk calendar. 2,356,107; Aug. 15.
Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Activation of catalysts. 2,355,831; Aug. 15.
Vorech, Stephen, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Brake valve. 2,355,612; Aug. 15.
Vulcan Manufacturing Co. (See Hanson, Ralph W., assignor.)
W. & L. E. Gurley. (See Shannon, William W., assignor.)
Wacker, George W., assignor to Clearing Machine Corporation, Chicago, Ill. Press for molding plastic material. 2,355,613; Aug. 15.
Wade, Raymond S., Inglewood, and H. J. Jones, West Los Angeles, Calif. Coupling for splicing cables. 2,356,014; Aug. 15.
Wadsworth Electric Manufacturing Company, The. (See Blank, Joseph N., assignor.)
Wagner, Julius A., Cleveland, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 2,355,832; Aug. 15.
Wahl, Albert G., Hollywood, assignor of one-third to A. Balkins, Los Angeles, Calif. Safety razor blade sharpener. 2,355,763; Aug. 15.

Wahlstedt, Karl A. R., East Orange, and J. H. Newsome, Rahway, N. J., assignors to Elastic Stop Nut Corporation of America. Loading apparatus. 2,356,108; Aug. 15.
Wales, George F., Kenmore, N. Y. Punching apparatus and method. 2,355,765; Aug. 15.
Walker, Brooks, Arlington, Va. Unit log handling equipment. 2,355,931; Aug. 15.
Wallace, Joseph, Cedarhurst, N. Y. Fountain pen. 2,356,109; Aug. 15.
Walton, Sydney A., assignor to S. Smith & Sons (Motor Accessories) Limited, Cricklewood, London, England. Vehicle windscreen or window opening and closing mechanism. 2,355,932; Aug. 15.
War, and his successors in office, United States Government, as represented by the Secretary of. (See Fernlund, K. H., Hessler, and Hultberg.)
War, and his successors in office, United States Government, as represented by the Secretary of. (See Moinichen, Petter, assignor.)
Ward, John W., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,356,019; Aug. 15.
Ware, William H. (See Leitzel, R. H., and Ware.)
Waseige, Charles R., Rueil, France; vested in the Alien Property Custodian. Retractable landing gear for aircraft. 2,355,764; Aug. 15.
Waters, Harry F., New York, N. Y. Package and closure therefor. 2,356,110; Aug. 15.
Webb, Walter G., assignor to Evans Products Company, Detroit, Mich. Wood flooring. 2,355,834; Aug. 15.
Weber, William C. (See Fischer, A. J., and Weber.)
Weeks, Elmer T., and F. M. McCulley, Scott Bar, Calif. Vehicle wheel brake. 2,356,111; Aug. 15.
Weingart, Richard I. N., Glen Head, N. Y. Movement transmission system for measuring instruments. 2,355,688; Aug. 15.
Weiss, Max, Brooklyn, assignor to Cohan-Epner Co., Inc., New York, N. Y. Metal plating. 2,355,933; Aug. 15.
Weld, Foster E., Newton, assignor to The Gamewell Company, Newton Upper Falls, Mass. Signaling system. 2,355,934; Aug. 15.
West, John W. (See Downing, H. L., and West.)
West, John W., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,356,112; Aug. 15.
Westerfield, James A., Beaver Dam, Ky. Mail box. 2,356,020; Aug. 15.
Western Cartridge Company. (See Williams, David M., assignor.)
Western Electric Company. (See Bertalan, Edward, assignor.)
Western Electric Company. (See Martindell, Frank, assignor.)
Western Electric Company. (See Reimer, Herman C., assignor.)
Western Electric Company. (See Wagner, Julius A., assignor.)
Western Union Telegraph Company. (See Gose, Ralph R., assignor.)
Western Union Telegraph Company, The. (See Ridings, Garvice H., assignor.)
Westhoff, George, Millstadt, Ill. Hemmer attachment. 2,355,766; Aug. 15.
Westinghouse Air Brake Company, The. (See Foutz, Karl E., assignor.)
Westinghouse Air Brake Company, The. (See Oliver, Robert M., assignor.)
Westinghouse Air Brake Company, The. (See Stevens, Roy R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Boyd, J., and Eklund, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ellis, Delbert, and Taylor, assignors.)
Westinghouse Electric & Manufacturing Company. (See Goodwin, Arthur E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Grissinger, G. G., and Lindstrom, assignors.)
Westinghouse Electric & Manufacturing Company. (See Gustin, D. S., and Bryant, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hanna, C. R., and Kilgore, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hodnette, J. K., Leonard, and Sellers, assignors.)
Westinghouse Electric & Manufacturing Company. (See Keating, Thomas J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Leitzel, R. H., and Ware, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lempert, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Longwell, Robert R., assignor.)
Westinghouse Electric & Manufacturing Company. (See MacDonald, A. A., and Johnson, assignors.)
Westinghouse Electric & Manufacturing Company. (See Moberly, Lawrence E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Parsons, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Peck, Clarence E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wetherby, Tracy C., assignor.)
Wetherby, Tracy C., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,356,113; Aug. 15.
Wetherby, Tracy C., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,356,114; Aug. 15.
Whalen, John T., New York, N. Y. Article support. 2,355,835; Aug. 15.
White, Clifford B., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Foam generator powder. 2,355,935; Aug. 15.
White, Harry B., Wilmington, N. C. Life preserver. 2,355,614; Aug. 15.
White, S. S., Dental Manufacturing Company, The. (See Uhler, Wilmer P., assignor.)
White, William E., Bethlehem, Pa. assignor to Bethlehem Steel Company. Clip. 2,355,767; Aug. 15.
Whitin Machine Works. (See Crockett, Frank L., assignor.)
Wilckens, Elbe A., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Article shaking mechanism. 2,356,021; Aug. 15.
Wilcox, Donald F. (See Ruthruff, R. F., and Wilcox.)
Willey, Walter E., assignor to The Emerson Electric Mfg. Company, St. Louis, Mo. Exhaust fan. 2,355,836; Aug. 15.
Williams, David M., assignor to Western Cartridge Company, New Haven, Conn. Gas-operated self-loading firearm. 2,355,768; Aug. 15.
Williams, David M., assignor to Western Cartridge Company, New Haven, Conn. Cartridge-deflecting means for repeating firearms. 2,355,769; Aug. 15.
Williams, Maurice T. (See Naeher, P., and Williams.)
Williams, William M. (See Naeher, P., and Williams.)
Wilmor Novelty Co. (See Ferber, Hyman, asssignor.)
Wilson, Alexander L., Sharpsburg, Pa., assignor to Carbide and Carbon Chemical Corporation. Substituted glyoxalidines. 2,355,837; Aug. 15.
Wingfoot Corporation. (See Hardman, Albert F., assignor.)
Wingfoot Corporation. (See Roquemore, Glen F., assignor.)
Wingfoot Corporation. (See Sanders, Edmond W., assignor.)
Wolfe, Bernard J., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Arc lamp. 2,355,936; Aug. 15.
Worel, Glen J., assignor to Thexton Manufacturing Company, Minneapolis, Minn. Piston expander for T-slotted and unslotted piston skirts. 2,355,937; Aug. 15.
Wright, Eddie G., Oakland, Calif. Insect trap. 2,356,022; Aug. 15.
Wroby, Norman W., Tenafly, N. J., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Temperature control of catalytic converters. 2,355,938; Aug. 15.
Wurger, Emile, Le Locle, Switzerland. Film guiding and feeding device for cinematographic apparatus. 2,355,939; Aug. 15.
Wyld, Reginald G., Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich. Bayonet catch mounting for furnaces. 2,355,896; Aug. 15.
Wyld, Reginald G., Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich. Draft regulation for furnaces. 2,355,897; Aug. 15.
Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Preparation of cyclo-trimethylene-trinitramine. 2,355,770; Aug. 15.
Wysong, Charles F. (See Ferst, M. A., and Wysong.)
Yeoman, Ray C., assignor to Texas Foundries, Inc., Lufkin, Tex. Load transfer device and tie bar. 2,355,771; Aug. 15.
Young, Herbert B., Kenvil, N. J. Detonating cup crimper. 2,355,689; Aug. 15.
Young, Lloyd W., Scotch Plains, and E. W. Deck, Plainfield, N. J., assignors to The Linde Air Products Company. Electromechanical method of and means for conditioning surfaces of metal bodies. 2,355,838; Aug. 15.
Zahodiakin, Victor F., New York, N. Y. Piston ring. 2,355,772; Aug. 15.
Zent, Abram L., assignor to The Standard Register Company, Dayton, Ohio. Strip feeding and bursting device. 2,355,690; Aug. 15.
Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Demagnetizing system. 2,355,940; Aug. 15.
Zwack, Raymond T., West Caldwell, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Power plant synchronization. 2,356,115; Aug. 15.
Zybach, Frank L., Columbus, Nebr. Hydraulic clutch. 2,355,773; Aug. 15.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Internal-combustion engine, Fuel-cooled. N. M. Jones. Re. 22,529; Aug. 15.
Pencil for laundry marking. F. M. Sell. Re. 22,530; Aug. 15.
Power actuated machinery, Control of. H. H. Brownlee. Re. 22,527; Aug. 15.
Washing machine. F. A. Conterman. Re. 22,528; Aug. 15.

LIST OF DESIGN INVENTIONS

Airplane. C. F. Burton and C. G. Brown. 138,535; Aug. 15.
Airplane. L. F. Clerc. 138,538; Aug. 15.
Ash tray or article of similar nature. R. J. Beatty. 138,534; Aug. 15.
Board, Cribbage. E. H. Hall. 138,495; Aug. 15.
Brooch or similar article. A. Philippe. 138,520–22; Aug. 15.
Button. C. H. Frank. 138,513; Aug. 15.
Carton, Bottle display. R. B. Karoff. 138,530; Aug. 15.
Casket. E. F. Ayuso. 138,481–2; Aug. 15.
Casket. K. F. Schmidt. 138,497; Aug. 15.
Clasp for a handbag or the like. J. De Pasquale and A. Westerman. 138,507–8; Aug. 15.
Clothespin. R. T. Sand. 138,523; Aug. 15.
Coat. N. Finkelstein. 138,528; Aug. 15.
Connector, Electrical. W. L. Miller. 138,532; Aug. 15.
Corsage or similar article, Star. R. Dunie. 138,512; Aug. 15.
Cover for trash cans. J. H. Monson. 138,542; Aug. 15.
Dress. Z. Golden. 138,529; Aug. 15.
Dress. Z. Golden. 138,550–53; Aug. 15.
Dress. S. Kuznetz. 138,531; Aug. 15.
Dress. S. Zahn. 138,556; Aug. 15.
Dresser for grinding wheels or the like. H. C. Stoll. 138,547; Aug. 15.
Earring. A. Philippe. 138,518–19; Aug. 15.
Figure, Animal. F. F. Golkowski. 138,514; Aug. 15.
Fishing lure. B. H. Hatcher. 138,496; Aug. 15.
Frame for a handbag or similar article. J. De Pasquale and A. Westerman. 138,509; Aug. 15.
Frame or similar article, Picture. S. Cirkinian. 138,504–5; Aug. 15.
Frame, Picture. P. A. Spaldo. 138,526; Aug. 15.
Glass, Magnifying. J. M. Mangan. 138,516; Aug. 15.
Goggle. E. M. Splaine. 138,545; Aug. 15.
Handbag. I. Pichel. 138,543; Aug. 15.
Heater, Hot water. E. H. Stempel. 138,546; Aug. 15.
Heater, Stock tank. J. K. Newall. 138,554; Aug. 15.
Hook attaching device for fishing lines or similar article. M. Baird. 138,498; Aug. 15.
Jacket. N. H. Sachs. 138,555; Aug. 15.
Jacket. S. Zahn. 138,533; Aug. 15.
Jar, Cookie. L. M. Chace. 138,536–7; Aug. 15.
Mirror and picture frame, Combined. S. Cirkinian. 138,506; Aug. 15.
Pen, Fountain. P. L. Rohrer. 138,544; Aug. 15.
Pencil or similar article, Mechanical. G. L. Becstrom. 138,499–500–1–2; Aug. 15.
Platon and compression head or similar article, Combined. C. A. and V. J. Toce. 138,548; Aug. 15.
Rack, Shoe. C. H. Churchill. 138,503; Aug. 15.
Receptacle for domestic gas systems. C. E. Lenihan. 138,541; Aug. 15.
Roller, Road. J. F. Harrison and C. F. Greiner. 138,539; Aug. 15.
Sandal or similar article. J. Meltzer. 138,517; Aug. 15.
Seat. H. Dreyfuss. 138,511; Aug. 15.
Seat unit. H. Dreyfuss. 138,510; Aug. 15.
Table cloth, Lace. F. G. Hobden. 138,557; Aug. 15.
Table cloth, Lace. H. Hooven. 138,558; Aug. 15.
Table, Embalming. O. J. Day. 138,493; Aug. 15.
Tank, Truck. R. B. Ziegler. 138,549; Aug. 15.
Top. E. R. Hacmac. 138,494; Aug. 15.
Toy vehicle. E. F. Silkman. 138,525; Aug. 15.
Trimming, Embroidered. H. Krieger. 138,540; Aug. 15.
Tube, Vacuum. W. W. Eitel and J. A. McCullough. 138,527; Aug. 15.
Umbrella or similar article. E. E. Seldis. 138,524; Aug. 15.
Wrench and spanner, Combined. O. Hardy. 138,515; Aug. 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasion resistant articles and alloys. O. E. Harder and J. T. Gow. 2,355,726; Aug. 15.
Abrasive article. R. L. Melton and A. L. Ball. 2,355,667; Aug. 15.
Acrylonitriles and substituted acrylonitriles as fumigants. V. Migrdichian. 2,356,075; Aug. 15.
Acylation. V. L. Hansley. 2,355,970–71; Aug. 15.
Agglomerating. A. B. Andersen and K. Horn. 2,356,024; Aug. 15.
Air conditioning system. W. H. Carrier. 2,355,629; Aug. 15.
Air-speed meter. P. E. Mercier and R. Planiol. 2,355,921; Aug. 15.
Aircraft wing. E. Scheler and A. K. Rohrbach. 2,355,681; Aug. 15.
Air-speed meter. E. M. Ardelt. 2,355,694; Aug. 15.
Aliphatic alcohols and terpene-phosphorus sulphide, Reaction products of. R. L. May. 2,356,073; Aug. 15.
Altimeter. A. Menzer. 2,355,990; Aug. 15.
Amplifier, Torque. W. E. Swift, Jr. 2,355,686; Aug. 15.
Apparatus for coating webs. E. Person. 2,355,673; Aug. 15.
Apparatus for conveying pulverized material. A. L. Baker. 2,355,774; Aug. 15.
Apparatus for determining the relative porosity of various porous materials. S. H. Hahn and R. H. Judson. 2,355,858; Aug. 15.
Apparatus for dressing grindstones. H. C. Barbour and F. S. Miller. 2,355,844; Aug. 15.
Apparatus for making filters. A. H. Eberman. 2,355,714; Aug. 15.
Apparatus for shaping articles. F. Martindell. 2,355,812; Aug. 15.
Apparatus for treating wheat germs. P. Naeher and M. T. Williams. 2,355,670; Aug. 15.
Apparatus for treating germs of wheat. P. Naeher and W. M. Williams. 2,355,671; Aug. 15.
Applicator. W. M. Knight. 2,355,917; Aug. 15.
Arc control device. D. Ellis and O. L. Taylor. 2,356,040; Aug. 15.
Arc lamp. B. J. Wolfe. 2,355,936; Aug. 15.
Arc limiting device. D. Ellis and O. L. Taylor. 2,356,039; Aug. 15.
Article and making the same. G. J. Alles. 2,356,023; Aug. 15.
Article handling apparatus. G. Goebel and H. A. Rau. 2,355,722; Aug. 15.
Article handling apparatus. H. C. Reimer. 2,355,820; Aug. 15.
Article shaking mechanism. E. A. Wilckens. 2,356,021; Aug. 15.
Article support. J. T. Whalen. 2,355,835; Aug. 15.
Assembling apparatus. E. Bertalan. 2,355,833; Aug. 15.
Assembling apparatus. J. A. Wagner. 2,355,832; Aug. 15.
Automatic control for the letoff mechanism of looms. Y. H. Kurkjian. 2,355,656; Aug. 15.
Automatic releasable lock. T. L. Roberts. 2,355,895; Aug. 15.
Axminster loom. W. Y. Robb. 2,356,090; Aug. 15.
Baffle for oil burning furnaces. C. N. O'Day. 2,355,923; Aug. 15.
Bale former. J. A. Haase. 2,355,645; Aug. 15.
Bale tie. J. A. Haase. 2,355,644; Aug. 15.
Baling press. W. A. Pryor and T. R. Harris. 2,355,675; Aug. 15.
Balloon, Tubular. E. C. Tuggle. 2,355,610; Aug. 15.
Barge. F. R. Harris. 2,355,973; Aug. 15.
Baseball game and the like. B. Buxbaum. 2,355,905; Aug. 15.
Bathroom structure, Combination. L. W. Helmuth. 2,355,615; Aug. 15.
Bearing: *See*—
Roller bearing.
Bearing. H. L. Potter. 2,355,818; Aug. 15.
Bearing assembly. J. Boyd and P. R. Eklund. 2,356,027; Aug. 15.
Belt, Obstetrical. L. S. McNees. 2,355,740; Aug. 15.
Binding device and material therefor. F. W. Humphner. 2,356,059; Aug. 15.
Biscuits or like articles, Transporting. R. F. Macfarlane and C. Dumbleton. 2,355,879; Aug. 15.
Bit, Horse's. R. A. Carson. 2,355,704; Aug. 15.
Block: *See*—
Conduit supporting block.
Bogie wheel. C. S. Ash. 2,355,941; Aug. 15.
Book, Binding. J. J. Krehbiel. 2,355,737; Aug. 15.
Boring and slotting machine, Paper. M. J. Garlick. 2,356,046; Aug. 15.
Bottle crate. D. H. Bitney. 2,355,946; Aug. 15.
Box: *See*—
Mail box.
Brake: *See*—
Variable load brake. Vehicle wheel brake.
Brake. J. A. Forbes. 2,355,720; Aug. 15.
Brake. W. Stelzer. 2,355,827; Aug. 15.
Brake cylinder device. K. E. Foutz. 2,355,721; Aug. 15.
Brake for hoist machinery. A. D. Polson. 2,355,749; Aug. 15.
Brake valve. S. Vorech. 2,355,612; Aug. 15.
Bristle feeding mechanism for brush making machines. H. Cave and A. L. LeFebvre. 2,356,121; Aug. 15.
Brush and manufacture, Porous. L. E. Moberly. 2,356,076; Aug. 15.
Brush holder for electric motors. W. P. Uhler. 2,356,105; Aug. 15.
Brush manufacture. H. A. Myers. 2,355,744; Aug. 15.
Buoy for submarines, Reconnaissance and attack. S. G. and S. F. Kotelev. 2,355,918; Aug. 15.
Burner: *See*—
Oil burner.
Bus bar supporting clamp. H. A. Samer. 2,356,006; Aug. 15.
Calendar, Desk. K. M. Vogel. 2,356,107; Aug. 15.
Cap: *See*—
Crown bottle cap.
Capacitor, Electrolytic. F. S. Dunleavey and R. W. Clark. 2,355,788; Aug. 15.
Carrier: *See*—
Spare wheel carrier.
Carton, Leakproof. W. H. Inman. 2,355,730; Aug. 15.
Cartridge belt link manufacture. P. Moinichen. 2,355,992; Aug. 15.
Cartridge-deflecting means for repeating firearms. D. M. Williams. 2,355,769; Aug. 15.
Catalysts, Activation of. V. Voorhees. 2,355,831; Aug. 15.
Catalytic apparatus. G. Roberts, Jr. 2,355,753; Aug. 15.
Catalytic hydrocarbon reactions and catalysts therefor. J. W. Jean. 2,355,868; Aug. 15.
Catamenial device and making same. V. Calhoun. 2,355,628; Aug. 15.
Cathead, Spinning line. V. S. Harlin. 2,355,861; Aug. 15.
Cellulose emulsions, Ethyl. C. E. Bergamini. 2,356,025; Aug. 15.
Cellulosic materials, Animalizing of. J. Nelles, O. Bayer, W. Tischbein, and F. Baehren. 2,356,079; Aug. 15.
Chain, Ornamental. R. J. Beggs. 2,355,944; Aug. 15.
Chair: *See*—
Folding chair.
Chair or seat. C. A. Van Derveer. 2,355,762; Aug. 15.
Check valve. P. F. Sharp. 2,355,683; Aug. 15.
Chlorobutyl-benzene compounds, Making. R. R. Dreisbach. 2,355,850; Aug. 15.
Choke coil, resistor, or the like. H. N. Veley. 2,355,611; Aug. 15.
Circuit: *See*—
Electric control circuit. Oscillation circuit.
Circuit breaker. G. G. Grissinger and T. Lindstrom. 2,356,050; Aug. 15.
Circuit conductor members, Ultra high frequency. C. H. Foulkes. 2,356,044; Aug. 15.
Circuit for fluorescent lamp, Starting. D. S. Gustin and N. H. Bryant. 2,355,968; Aug. 15.
Circuit interrupter. R. H. Leitzel and W. H. Ware. 2,356,069; Aug. 15.
Clamp: *See*—
Bus bar supporting clamp. Safety hose clamp.
Clamping device. S. M. Ransome. 2,355,677; Aug. 15.
Clasp, Bracelet. E. Rodrigues. 2,355,926; Aug. 15.
Classifier. J. H. V. Finney and A. C. Deman. 2,355,851; Aug. 15.
Cleaning and reoiling device for air cleaners. R. W. Hanson. 2,355,725; Aug. 15.
Cleaning installation. J. F. Malsbary and W. W. Taylor. 2,355,882; Aug. 15.
Clip: *See*—
Floor clip.
Clip. W. E. White. 2,355,767; Aug. 15.
Closure. H. G. Mörner. 2,355,816; Aug. 15.
Clutch: *See*—
Hydraulic clutch.
Clutch. A. Y. Dodge. 2,355,710; Aug. 15.
Coat hanger. E. H. Lupton. 2,355,984; Aug. 15.
Coating. W. L. Craig. 2,355,953; Aug. 15.

Coating composition. J. J. O'Loughlin. 2,355,889; Aug. 15.
Coating process. S. Lipsius. 2,355,919; Aug. 15.
Comber calender roll. F. L. Crockett. 2,356,034; Aug. 15.
Concrete block mold. M. E. Greenwalt. 2,355,967; Aug. 15.
Conductor support. R. P. Hanna. 2,356,052; Aug. 15.
Conduit supporting block. E. M. Morehouse. 2,355,742; Aug. 15.
Confection, Frozen. K. L. Hayden. 2,355,915; Aug. 15.
Connecting device. J. E. Simon. 2,355,913; Aug. 15.
Connector: *See*—
Tube connector.
Container: *See*—
Hinged container. Soap container.
Container. E. E. Geisinger and R. F. Goecke. 2,356,047; Aug. 15.
Container. W. H. Inman. 2,355,729; Aug. 15.
Control device. C. G. Krommiller. 2,355,872; Aug. 15.
Control for television receivers, Automatic gain. W. E. Bradley. 2,355,701; Aug. 15.
Control system. R. R. Longwell. 2,356,070; Aug. 15.
Control system. J. O'D. Shepherd. 2,355,607; Aug. 15.
Control system, T. C. Wetherby. 2,356,113; Aug. 15.
Control valve device. R. R. Stevens. 2,355,758; Aug. 15.
Cooler. H. C. Fyock. 2,355,793; Aug. 15.
Cooling and dehumidifying system, Combined. R. S. Taylor. 2,355,828; Aug. 15.
Couch and bed, Combination. E. Mount. 2,356,077; Aug. 15.
Countersinker or the like for nuts. M. K. Prokul. 2,356,087; Aug. 15.
Coupler, J. T. Atwood. 2,355,695; Aug. 15.
Couplers, Pyrimidine. C. F. H. Allen and J. A. Van Allan. 2,355,691; Aug. 15.
Coupling device. E. Minero. 2,355,922; Aug. 15.
Coupling for splicing cables. R. S. Wade and H. J. Jones. 2,356,014; Aug. 14.
Cowl support. J. M. Tyler. 2,355,829; Aug. 15.
Crimper, Detonating cup. H. B. Young. 2,355,689; Aug. 15.
Crossover for crane bridges. F. C. Harris. 2,355,863; Aug. 15.
Crown bottle cap. R. P. Smith. 2,356,012; Aug. 15.
Crystalline structures, Processing. J. O. Le Van. 2,355,877; Aug. 15.
Cushion, shock absorber, vibration damper, or the like. A. C. Sampietro and W. T. Oliver. 2,356,093; Aug. 15.
Cutter: *See*—
Rotary cutter.
Cutter, distributor and protector for outboard motors, Combined. J. G. Arado. 2,355,842; Aug. 15.
Cutting compound and manufacture, Water soluble. J. D. Morgan and R. E. Lowe. 2,355,994; Aug. 15.
Cutting composition, Water-soluble. J. D. Morgan and R. E. Lowe. 2,355,995; Aug. 15.
Cyclo-trimethylenetrinitramine, Preparation of. J. A. Wyler. 2,355,770; Aug. 15.
Delivery apparatus, Water. J. T. McGarry and H. A. Eads. 2,355,662; Aug. 15.
Demagnetizing system. T. Zuschlag. 2,355,940; Aug. 15.
Diamonds for drilling, Holding. H. J. Foxon. 2,355,853; Aug. 15.
Die structure for metallic cartridge beam links. K. H. Fernlund, J. O. Hessler and A. E. Hultberg. 2,355,964; Aug. 15.
Display case, Illuminated. P. H. James. 2,355,731; Aug. 15.
Distributing apparatus. M. K. Prokul. 2,356,088; Aug. 15.
Distributing apparatus. N. E. Tourjee, Jr. 2,356,103; Aug. 15.
Distributor, Fertilizer. W. A. Hyland. 2,355,728; Aug. 15.
Door: *See*—
Overhead swinging door.
Door lock. W. R. Schlage. 2,355,682; Aug. 15.
Draft regulation for furnaces. R. G. Wyld. 2,355,897; Aug. 15.
Draft unit. R. G. Le Tourneau. 2,355,893; Aug. 15.
Drain plug. J. Keyzer. 2,355,979; Aug. 15.
Drier and container, Razor blade. S. S. Vineberg. Aug. 15.
Dry cell apparatus. A. M. Mac Farland. 2,355,985; Aug. 15.
Dyestuffs, Anthraquinone. F. Irving and H. A. Piggott. 2,356,061; Aug. 15.
Dyestuffs, Anthraquinone vat. F. Irving and H. A. Piggott. 2,356,060; Aug. 15.
Dyestuffs for use in photography. J. D. Kendall and D. J. Fry. 2,355,654; Aug. 15.
Electric control circuit. B. Cooper. 2,355,952; Aug. 15.
Electric control circuit. F. Hölters. 2,355,727; Aug. 15.
Electric heater. L. E. Van Hise. 2,355,687; Aug. 15.
Electric meter. R. D. Hickok. 2,355,649; Aug. 15.
Electric razor head assembly. L. C. Saxe. 2,355,898; Aug. 15.
Electric shaver. H. E. Page. 2,355,672; Aug 15.
Electric water light. C. Linhardt, Jr. 2,355,982; Aug. 15.
Electric welding machine. R. E. Long. 2,355,983; Aug. 15.
Electrical control system. J. W. Dawson. 2,355,633; Aug. 15.
Electrical discharge device. W. W. Eitel and J. A. McCullough. 2,355,717–8; Aug. 15.
Electrical distribution system. J. S. Parsons. 2,356,083; Aug. 15.
Electrical relay. A. E. Dodd. 2,355,959; Aug. 15.
Electrical resistor device. S. Ruben. 2,355,680; Aug. 15.
Electrically heated molten bath furnace. R. C. Upton. 2,355,761; Aug. 15.
Electrode system. M. S. Glass. 2,355,795; Aug. 15.
Electromechanical method of and means for conditioning surfaces of metal bodies. L. W. Young and E. W. Deck. 2,355,838; Aug. 15.
Electron discharge device. H. L. Downing and J. W. West. 2,356,035; Aug. 15.
Electron discharge device. J. W. West. 2,356,112; Aug. 15.
Electronic alarm. J. T. Repking. 2,355,752; Aug. 15.
Elevator, Portable grain loading. S. E. Dolyniuk. 2,355,711; Aug. 15.
Engine: *See*—
Internal combustion engine.
Engine control device. C. H. Jorgensen and L. C. Dermond. 2,356,063–4; Aug. 15.
Envelope for metallic objects. J. E. Myers. 2,356,078; Aug. 15.
Envelope, Safety. O. V. Lalonde. 2,356,066; Aug. 15.
Esters, Production of cellulose. H. Dreyfus. 2,355,712; Aug. 15.
Exhaust fan. W. E. Willey. 2,355,836; Aug. 15.
Explosive compositions. D. G. Morrow. 2,355,817; Aug. 15.
Fabric, Making. B. S. Faber. 2,355,789; Aug. 15.
Fastener for screening machines, Closure. W. J. Parks. 2,355,890; Aug. 15.
Faucet. F. Klein. 2,355,736; Aug. 15.
Faucet. F. E. Rice. 2,356,089; Aug. 15.
Feedback system, Stabilized nonlinear. S. T. Meyers. 2,355,991; Aug. 15.
Fiber separating machine (ramie). D. E. Patterson. 2,356,000; Aug. 15.
Film guiding and feeding device for cinematographic apparatus. E. Wurger. 2,355,939; Aug. 15.
Filter medium. E. W. Rugeley. 2,355,822; Aug. 15.
Finned tube. J. W. Brown, Jr. 2,355,621; Aug. 15.
Fire control apparatus. I. H. McMann. 2,355,664; Aug. 15.
Firearm, Gas-operated self-loading. D. M. Williams. 2,355,768; Aug. 15.
Floor clip. J. A. MacLean, Jr., N. F. McNaught, and E. G. Doke. 2,355,986; Aug. 15.
Flooring, Wood. W. G. Webb. 2,355,834; Aug. 15.
Fluid conditioning apparatus. C. T. McGill. 2,355,815; Aug. 15.
Fluid drive transmission, Variable speed. J. S. Byrne. 2,355,780; Aug. 15.
Fluid sampling device. J. O. Bower and J. P. Tarbox. 2,355,620; Aug. 15.
Folding chair. C. F. Benjamin. 2,355,617; Aug. 15.
Freight carrying device, Detachable. H. R. Jarvis. 2,355,867; Aug. 15.
Fuel preheater. L. I. Aldrich. 2,355,693; Aug. 15.
Fuel supply means for internal-combustion engines. A. C. Durdin, Jr. 2,355,713; Aug. 15.
Fuse terminal. W. O. Schultz. 2,355,824; Aug. 15.
Game. H. F. Scofield. 2,355,927; Aug. 15.
Game apparatus. L. B. Householder. 2,356,057; Aug. 15.
Game or similar device. J. Dorfman. 2,355,785; Aug. 15.
Garmen hanger. R. Gustin. 2,355,969; Aug. 15.
Gas-generator unit. C. E. Peck. 2,356,084; Aug. 15.
Gauging and seam-detecting apparatus. W. J. Fedorchak. 2,355,719; Aug. 15.
Gauging device and method. L. F. Polk. 2,356,003; Aug. 15.
Gelatin coatings to metal, Adhering. G. F. Roquemore. 2,356,005; Aug. 15.
Generator: *See*—
Steam generator.
Glass, Coating articles with. G. L. Strubler. 2,356,016; Aug. 15.
Glass, Method of and apparatus for producing laminated. F. E. Bartell. 2,355,696; Aug. 15.
Glove. P. A. Chanut. 2,356,032; Aug. 15.
Glyoxalidines, Substituted. A. L. Wilson. 2,355,837; Aug. 15.
Governor. S. M. Udale. 2,356,017; Aug. 15.
Governor, Engine. M. Mallory. 2,355,881; Aug. 15.
Grader, Quality. C. E. Kerr. 2,355,735; Aug. 15.
Grains, Peeling. W. W. Loewy. 2,355,810; Aug. 15.
Gun perforators, Method of and apparatus for firing. R. M. Otis. 2,356,082; Aug. 15.
Gun sight. O. F. Marston. 2,355,920; Aug. 15.
Hammer, Soft. F. A. Gallant. 2,355,641; Aug. 15.
Handle for vehicle doors. B. S. Floraday. 2,355,791; Aug. 15.
Handle or the like, Door. I. S. Keeler. 2,355,978; Aug. 15.
Hanger: *See*—
Garment hanger.
Harvesting machine, Cotton. H. A. Macha. 2,355,880; Aug. 15.

Hatband and bow trim hat, Combination non-elastic adjustable. H. Ferber. 2,356,042; Aug. 15.
Hay baler. J. A. Haase. 2,355,646; Aug. 15.
Heater: *See*—
Electric heater.
Heater tubes, Supporting. F. H. Praeger. 2,355,892; Aug. 15.
Heating of fluids. W. C. Hensel. 2,355,800; Aug. 15.
Hemmer attachment. G. Westhoff. 2,355,706; Aug. 15.
Hemoglobinometer. D. H. Duffie. 2,355,960; Aug. 15.
Hinged cover container. D. W. Mabee. 2,355,665; Aug. 15.
Holder: *See*—
Welding rod holder.
Hopper for railway cars. C. Hankins. 2,355,859; Aug. 15.
Hydraulic clutch. F. L. Zybach. 2,355,773; Aug. 15.
Hydraulic machine tool. E. P. Bullard, III. 2,356,028; Aug. 15.
Hydraulic power transmission. G. F. Rupp. 2,355,604; Aug. 15.
Hydrazides and preparing same. C. Graenacher and R. Sallmann. 2,355,911; Aug. 15.
Hydrocarbon liquids, Purification of. W. A. Schulze. 2,356,095; Aug. 15.
Hydrocarbon oils, Conversion of. J. W. Ward. 2,356,019; Aug. 15.
Hydrocarbons, Conversion. G. Egloff and V. Komarewsky. 2,355,961; Aug. 15.
Hydrocarbons, Conversion of. H. Pines and V. N. Ipatieff. 2,356,001; Aug. 15.
Hydrocarbons, Removing impurities. C. H. M. Roberts. 2,355,678; Aug. 15.
Hydroelec rode control. W. C. Buttner. 2,356,117; Aug. 15.
Hydrogen halide recovery. K. H. Hachmuth. 2,355,857; Aug. 15.
Ignition apparatus and making the same. T. Tognola. 2,356,102; Aug. 15.
Ignition coil. H. L. Hartzell. 2,355,864; Aug. 15.
Implement, Weed killing. E. Jepsen. 2,355,732; Aug. 15.
Indexing mechanism. R. B. Stanley. 2,356,097; Aug. 15.
Indicator: *See*—
Micrometer tolerance indicator.
Injection method of molding thermosetting material. E. E. Novotny. 2,356,081; Aug. 15.
Ink, Meter. T. J. Keating. 2,356,065; Aug. 15.
Insect trap. E. G. Wright. 2,356,022; Aug. 15.
Insecticide dissemination apparatus, Airplane. G. C. Quick. 2,356,119; Aug. 15.
Insecticidal composition. E. Harvill. 2,355,974; Aug. 15.
Insulating and acoustical covering. P. J. Stieger. 2,355,608; Aug. 15.
Insulator cutting machine. E. M. Skipper. 2,355,684; Aug. 15.
Interlock for couplings and support of trailers. R. M. Barnhart, J. C. Bennett and P. M. Heinmiller. 2,355,775; Aug. 15.
Internal-combustion engine. E. S. Criddle. 2,356,033; Aug. 15.
Internal-combustion engine. G. R. Ericson and I. E. Coffey. 2,355,716; Aug. 15.
Internal-combustion engine. J. M. Kroyer. 2,355,806; Aug. 15.
Iron rest, Soldering. E. S. Mathews. 2,355,883; Aug. 15.
Joint and coupling and making, Universal. O. V. Cardinal. 2,355,781; Aug. 15.
Ketones, Production of. A. C. Byrns. 2,355,703; Aug. 15.
Keyboard for calculating machines. R. Faigle. 2,355,637; Aug. 15.
Knife, Slicing. H. C. Simmons. 2,355,755; Aug. 15.
Lamp: *See*—
Arc lamp.
Landing mat for aircraft, Retractable. C. R. Wasoige. 2,355,764; Aug. 15.
Landplanes, Method and means for assisting the take-off of. T. L. Bonstow and A. L. Margolis. 2,355,948; Aug. 15.
Lathe tool. T. A. Fullen. 2,354,045; Aug. 15.
Lead, Pencil. M. A. Ferst and C. F. Wysong. 2,355,639; Aug. 15.
Life preserver. H. B. White. 2,355,614; Aug. 15.
Ligatures, Method and apparatus for grinding and polishing. W. A. Cox. 2,355,907; Aug. 15.
Light: *See*—
Electric water light.
Liquid clarification apparatus. A. J. Fischer and W. C. Weber. 2,355,640; Aug. 15.
Liquid clarification apparatus. H. A. Trebler. 2,355,760; Aug. 15.
Liquids, Method of and apparatus for clarifying. F. P. Lasseter. 2,355,875; Aug. 15.
Load transfer device and tie bar. R. C. Yeoman. 2,355,771; Aug. 15.
Loading apparatus. K. A. R. Wahlstedt and J. H. Newsome. 2,356,108; Aug. 15.
Lock: *See*—
Automatic releasable lock. Door lock.
Lock. M. Nusbaum. 2,355,888; Aug. 15.
Lock device, Slip-on. F. L. Rors and A. Macdonald. 2,355,679; Aug. 15.
Lock for railway switches, Slow release. K. J. J. McGowan. 2,355,989; Aug. 15.
Lock nuts, Method and apparatus for making bearing-retaining. L. B. Green. 2,355,856; Aug. 15.
Log handling equipment, Unit. B. Walker. 2,355,931; Aug. 15.
Logging. T. T. May. 2,355,813; Aug. 15.
Loom: *See*—
Axminster loom.
Lubricant. G. E. Barker. 2,355,616; Aug. 15.
Lubricants, Low temperature. J. D. Morgan. 2,355,993; Aug. 15.
Lymphogranuloma venerum antigen and preparing it. G. W. Rake and M. F. Shaffer. 2,355,676; Aug. 15.
Machine for cutting rings from cylindrical tubing. H. E. Edwards. 2,356,038; Aug. 15.
Machine for filling containers. C. H. Clark. 2,355,848; Aug. 15.
Machine for grading articles by weight. R. M. Edington. 2,355,715; Aug. 15.
Machine for making fastener stringers. N. J. Poux. 2,356,086; Aug. 15.
Machine tool. E. P. Bullard, III, F. H. Mussler, P. H. Lange, E. N. Cowell, and L. E. Alvey. 2,355,625; Aug. 15.
Magnesium chloride, Production of anhydrous. L. M. Pidgeon and N. W. F. Phillips. 2,356,118; Aug. 15.
Mail box. J. A. Westerfield. 2,356,020; Aug. 15.
Mandrel, Floating pin. A. Katz. 2,355,734; Aug. 15.
Manganese from water, Removal of. J. P. Lawlor. 2,355,808; Aug. 15.
Marker for seeding machines. W. R. Byers. 2,356,030; Aug. 15.
Marking element, Color. M. A. Ferst and C. F. Wysong. 2,355,638; Aug. 15.
Mass spectrometry, Method and apparatus. R. C. Lawlor. 2,355,658; Aug. 15.
Mast, Radio antenna. H. C. Pfaff, Jr. 2,356,085; Aug. 15.
Measuring cross talk, Method of and apparatus for. H. H. Benning. 2,355,776; Aug. 15.
Medium for use in making camera copies and preparing same. M. D. McIntosh. 2,355,884; Aug. 15.
Merchandise conveying system for self-help stores. A. W. Delucchi and H. A. Stagnaro. 2,355,708; Aug. 15.
Metal compositions, Manufacturing hard. P. Schwarzkopf. 2,356,009; Aug. 15.
Metal plating. M. Weiss. 2,355,933; Aug. 15.
Metals and other substances in fusion, Chemically purifying and refining. J. M. Merle. 2,355,885; Aug. 15.
Metals, Continuous casting of. H. W. Spooner. 2,356,013; Aug. 15.
Meteorological apparatus. I. E. McCabe. 2,355,739; Aug. 15.
Meter: *See*—
Air-speed meter. Electric meter.
Micrometer tolerance indicator. W. J. Drucker. 2,356,037; Aug. 15.
Milling and grinding machine, Shaft. O. D. Premo. 2,355,750; Aug. 15.
Mixing distributor. E. W. Shallock. 2,356,096; Aug. 15.
Mold: *See*—
Concrete block mold.
Motor vehicle. W. C. Hansen. 2,355,860; Aug. 15.
Mounting for bearings. C. M. Griffin. 2,355,723; Aug. 15.
Mounting for furnaces, Bayonet catch. R. G. Wyld. 2,355,896; Aug. 15.
Mounts, Making. C. N. Cross. 2,355,706; Aug. 15.
Multiple cylinder pump. P. C. Temple. 2,356,101; Aug. 15.
Multivibrator. A. A. MacDonald and J. L. Johnson. 2,356,071; Aug. 15.
Nail, Self clinching. H. G. Cummings. 2,355,955; Aug. 15.
Nut tapping machine. H. C. Tangowski. 2,356,100; Aug. 15.
Offset printing press. I. A. Hunting. 2,356,058; Aug. 15.
Oil burner. F. W. Bentley. 2,355,945; Aug. 15.
Oil burner. J. T. Stone and W. J. Schuerholz, Jr. 2,356,015; Aug. 15.
Oil-burner construction. G. I. Carter. 2,355,631; Aug. 15.
Oil composition, Lubricating. W. L. Finley. 2,356,043; Aug. 15.
Oil control device. R. W. Johnson. 2,355,870; Aug. 15.
Oil, Extraction of drying. R. F. Ruthruff and D. F. Wilcox. 2,355,605; Aug. 15.
Opthalmoscope. W. N. Allyn. 2,355,841; Aug. 15.
Optical instrument. G. B. Gallasch. 2,355,910; Aug. 15.
Ornamental materials. A. Lyem. 2,355,738; Aug 15.
Oscillation circuit. W. W. Shannon. 2,355,606; Aug. 15.
Oven for the continuous baking of cores or the like. C. F. Mayer. 2,355,814; Aug. 15.
Overhead swinging door. E. J. Dakan. 2,355,956; Aug. 15.
Oxides from sulphuric acids, Removal of nitrogen. W. A. Brooks. 2,355,702; Aug. 15.

Package and closure therefor. H. F. Waters. 2,356,110; Aug. 15.
Packaging receptacle. V. A. Hutchinson. 2,355,804; Aug. 15.
Packing arrangement. L. A. Sheldon. 2,356,011; Aug. 15.
Parallel mechanism for looms. R. W. Hook. 2,355,802; Aug. 15.
Pen, Fountain. J. Wallace. 2,356,109; Aug. 15.
Pencil, Mechanical. H. S. Hasselquist. 2,355,914; Aug. 15.
Petroleum emulsions, Breaking. H. G. Berger and P. M. Goodloe. 2,355,778; Aug. 15.
Photoflash synchronizing mechanism. A. Schwarz. 2,355,825; Aug. 15.
Photographic emulsion. B. H. Carroll and J. Spence. 2,355,630; Aug. 15.
Photographic machine, Automatic. D. S. Burleigh. 2,355,779; Aug. 15.
Photographic masking. R. M. Evans. 2,355,636; Aug. 15.
Picture changing display. P. G. Ducarpe. 2,355,787; Aug. 15.
Pilot, Safety. A. P. Liver. 2,355,878; Aug. 15.
Pipe cleaning device. C. A. Johnson and G. E. Buys. 2,355,733; Aug. 15.
Pipe extension, Exhaust. G. E. Peters and L. E. Russell. 2,355,674; Aug. 15.
Pipe system, Underground insulated. D. C. Goff. 2,355,966; Aug. 15.
Piperidine derivatives and manufacture of the same. J. Lee and W. Freudenberg. 2,355,659; Aug. 15.
Piston expander for T-slotted and unslotted piston skirts. G. J. Worel. 2,355,937; Aug. 15.
Piston for oil wells, Operating. J. Moser. 2,355,669; Aug. 15.
Piston machine, Free. R. Pateras Pescara. 2,355,924; Aug. 15.
Piston ring. V. F. Zahodiakin. 2,355,772; Aug. 15.
Plastic bead chains and the like, Treatment of. R. G. Plumley and F. E. Lohse. 2,356,002 Aug. 15.
Plastic material and waterproofing [illegible] same. A. T. Smith. 2,355,756; Aug. 15.
Plug: *See*—
Drain plug. Spark plug.
Removable fuse plug.
Polarized relay. E. Dickten, Jr. 2,355,909; Aug. 15.
Polyglycol ethers of higher secondary, monohydric alcohols. F. Schlegel. 2,355,823; Aug. 15.
Polymerization process. J. A. Reid. 2,355,925; Aug. 15.
Popgun. C. F. Lefever. 2,355,809; Aug. 15.
Portable picture screen stand. J. T. Heck. 2,355,799; Aug. 15.
Positioning objects. A. H. Grover. 2,355,643; Aug. 15.
Powder, Foam generator. C. B. White. 2,355,935; Aug. 15.
Powder metallurgy. G. D. Cremer. 2,355,954; Aug. 15.
Power plant synchronization. R. T. Zwack. 2,356,115; Aug. 15.
Press: *See*—
Baling press. Offset printing press.
Press for molding plastic material. G. W. Wacker. 2,355,613; Aug. 15.
Printing machine. W. T. Gollwitzer. 2,355,796; Aug. 15.
Printing plates, Making composite. C. E. Boutwell. 2,355,949; Aug. 15.
Printing telegraph apparatus. R. A. Lake. 2,355,657; Aug. 15.
Printing telegraph apparatus. R. D. Salmon. 2,356,092; Aug. 15.
Pulverizer. E. J. Dandlinger. 2,355,784; Aug. 15.
Pulverizer, Ground. A. G. Mahler. 2,356,072; Aug. 15.
Pump: *See*—
Multiple cylinder pump. Water pump.
Pump. A. A. Orr. 2,355,748; Aug. 15.
Pump. J. E. Stevens. 2,355,928; Aug. 15.
Pumping, Method and apparatus for. A. G. Bodine, Jr. 2,355,618; Aug. 15.
Punching apparatus and method. G. F. Wales. 2,355,765; Aug. 15.
Rack: *See*—
Supporting rack.
Rack for roving frames, Roll. A. M. Guillet. 2,355,797; Aug. 15.
Rail brace. C. H. Nordberg. 2,356,080; Aug. 15.
Railway brake gear support. E. J. Ellis. 2,355,962; Aug. 15.
Railway brake gear support. H. M. Van Sweringen. 2,356,018; Aug. 15.
Rake, Garden. P. Ales and E. C. Robertson. 2,355,840; Aug. 15.
Ramie and other bast fibers, Decorticating. D. E. Patterson. 2,355,999; Aug. 15.
Razor, Reciprocating safety. V. T. Van Slyke. 2,355,830; Aug. 15.
Reamer. S. Frishette. 2,355,965; Aug. 15.
Reel. J. K. Berry. 2,356,026; Aug. 15.
Refrigerating system. W. A. Ray. 2,355,894; Aug. 15.
Refrigeration. S. A. Larsson. 2,356,068; Aug. 15.
Relief valve. E. Klafstad. 2,355,916; Aug. 15.
Renewable fuse plug. E. P. Brus. 2,355,622; Aug. 15.
Resin acid lacton, Producing. R. F. B. Cox. 2,355,782; Aug. 15.
Resistance welding. A. E. Goodwin. 2,356,049; Aug. 15.
Riveting machine, Frame. O. Mueller and H. G. Scholtz. 2,355,997; Aug. 15.
Roll, Acid-resistant. E. W. Sanders. 2,356,007; Aug. 15.
Roller. H. L. Mueller. 2,355,743; Aug. 15.
Roller bearing. F. E. Best. 2,355,843; Aug. 15.
Roller for printing presses, Sectional inking. H. B. Seymour. 2,356,010; Aug. 15.
Rotary cutter. F. Hofbauer. 2,355,865; Aug. 15.
Safety hose clamp. H. E. Fay. 2,356,041; Aug. 15.
Safety system. A. Palme. 2,355,998; Aug. 15.
Sausage linking machine. R. Swoboda, Sr. 2,356,099; Aug. 15.
Scoop, Offset double-acting. L. H. Morin. 2,355,996; Aug. 15.
Screen or webbing material. W. Dubiller. 2,355,635; Aug. 15.
Screening apparatus. W. J. Parks. 2,355,891; Aug. 15.
Sealing composition. H. E. Hughes. 2,355,977; Aug. 15.
Sealing means for bags. D. F. Dreher and H. E. Lanzit. 2,355,786; Aug. 15.
Sectional channel closure means. J. N. Blank. 2,355,845; Aug. 15.
Seismic prospecting. J. A. Sharpe. 2,355,826; Aug. 15.
Selenium elements, Treating. O. Saslaw. 2,356,094; Aug. 15.
Self-closing valve. L. E. Harper. 2,355,862; Aug. 15.
Setscrew, Backlash resisting locking. H. G. Beede. 2,355,901; Aug. 15.
Setscrew, Locking. H. G. Beede. 2,355,899; Aug. 15.
Setscrew, Locking adjusting point. G. G. Beede and N. Monsarrat. 2,355,943; Aug. 15.
Setscrew, Locking wedge point. H. G. Beede. 2,355,900; Aug. 15.
Sewing-machine attachment. E. W. Blewett. 2,355,700; Aug. 15.
Sewing machine, Blind-stitch. M. Buono. 2,355,904; Aug. 15.
Sewing machine, Shoe. O. R. Haas. 2,355,724; Aug. 15.
Shaker. D. W. Price. 2,356,004; Aug. 15.
Shaping articles, Method of and apparatus for. F. Martindell. 2,355,811; Aug. 15.
Sharpener, Lawn mower. D. Sell. 2,355,754; Aug. 15.
Sharpener, Safety razor blade. A. G. Wahl. 2,355,763; Aug. 15.
Sheet delivery mechanism. F. R. Belluche. 2,355,697; Aug. 15.
Sheet positioning device. H. La Faille. 2,355,873; Aug. 15.
Shelving support. W. T. Hormes. 2,355,651; Aug. 15.
Shield, Antifriction bearing. O. W. Koepp. 2,355,805; Aug. 15.
Shirts, Ironing. G. R. Bicknell. 2,355,699; Aug. 15.
Shock absorber. G. B. Dorey. 2,355,783; Aug. 15.
Shoe construction. J. Castelle. 2,355,906; Aug. 15.
Shoeshine outfit. F. Burger. 2,356,029; Aug. 15.
Showcase. A. A. Albert. 2,355,839; Aug. 15.
Shroud, Radiator fan. O. A. Bossart. 2,355,619; Aug. 15.
Sign with animated effect. C. T. Berg. 2,355,902; Aug. 15.
Signaling device. L. F. Hammand. 2,355,648; Aug. 15.
Signaling system. F. E. Blount. 2,355,903; Aug. 15.
Signaling system. F. E. Weld. 2,355,934; Aug. 15.
Silica glass, Making high. M. E. Nordberg and H. E. Rumenapp. 2,355,746; Aug. 15.
Slacks and the like, Lady's. J. Netzky. 2,355,745; Aug. 15.
Slider lock, Separable fastener. D. Marinsky and L. H. Morin. 2,355,987; Aug. 15.
Smoking device. W. M. Irvin. 2,355,652; Aug. 15.
Snap switch. J. M. Coffeen and W. P. Heineken. 2,355,951; Aug. 15.
Soap container. F. D. Hogg. 2,356,056; Aug. 15.
Sound recording and reproducing. B. A. Proctor. 2,355,751; Aug. 15.
Spacer. K. W. Hildenbrand. 2,355,801; Aug. 15.
Spare wheel carrier. J. F. Kosky and R. F. Plumb. 2,355,980; Aug. 15.
Spark plug. A. C. Hastings, Jr., O. B. Hastings, and W. R. Horsfield. 2,356,053; Aug. 15.
Spark plug and making the same. T. Tognola. 2,356,104; Aug. 15.
Spindle, Record changer. W. J. Faulkner. 2,355,790; Aug. 15.
Stand: *See*—
Portable picture screen stand.
Stapling device. D. R. La Place. 2,355,807; Aug. 15.
Steam blancher, Continuous type. E. H. Guthier. 2,355,798; Aug. 15.
Steam generator. H. W. Miller. 2,355,886; Aug. 15.
Stencil printing mechanism. W. Thorne. 2,355,930; Aug. 15.
Sterilization. R. E. Moule. 2,355,887; Aug. 15.
Sterols, Extraction of. R. F. Light, H. Kothe, and C. N. Frey. 2,355,661; Aug. 15.
Stock pusher. J. M. Ingalls. 2,355,866; Aug. 15.

Storage tank or container and like shell structure. O. Bondy and A. G. Grant. 2,355,947; Aug. 15.
Storage tanks, Constructing metal liquid. W. G. Laird. 2,355,874; Aug. 15.
Stretcher, Floatable. A. N. Spanel. 2,355,757; Aug. 15.
Strip feeding and bursting device. A. L. Zent. 2,355,690; Aug. 15.
Strip feeding attachment. K. P. Morse. 2,355,668; Aug. 15.
Structural member and making same. C. De Boer. 2,355,707; Aug. 15.
Substances condensed in cold accumulators in the cooling of gases, Removing the. J. Le Rouge. 2,355,660; Aug. 15.
Sulphur modified polyhaloprenes, Copolymers of. M. J. Roedel. 2,356,091; Aug. 15.
Support: *See*—
Article support. Railway brake gear support.
Conductor support. Shelving support.
Cowl support.
Support for easel-back picture frames and the like. E. J. Dreisbach. 2,356,036; Aug. 15.
Supporting rack. D. P. Joyce. 2,355,653; Aug. 15.
Suspension device for coat hangers. H. Cohn. 2,355,705; Aug. 15.
Switch: *See*—
Snap switch.
Switch operator. J. K. Hodnette, M. G. Leonard, and P. Sellers. 2,356,055; Aug. 15.
System for the conversion and retransmission of control signals. R. R. Gose. 2,355,642; Aug. 15.
Table construction, Folding. S. Tave. 2,355,929; Aug. 15.
Tape, Coated insulating. J. M. Coffey, J. J. Pickney, and R. L. Griffeth. 2,355,632; Aug. 15.
Telegraph switching system, Satellite office. W. V. K. Large. 2,356,067; Aug. 15.
Telegraphy, System and apparatus for facsimile. G. H. Ridings. 2,356,116; Aug. 15.
Telephone substation apparatus. L. W. Carroll. 2,356,031; Aug. 15.
Telephone system. J. W. Dehn. 2,355,908; Aug. 15.
Temperature control of catalytic converters. N. W. Wroby. 2,355,938; Aug. 15.
Temperature control unit, Liquid. F. W. A. Henrici. 2,355,975; Aug. 15.
Therapeutic composition. C. C. Johnson. 2,356,062; Aug. 15.
Thermometer well for ball-mill type reactors. E. F. T. Rice. 2,355,821; Aug. 15.
Thread insertions in nipper looms. A. Moessinger. 2,355,741; Aug. 15.
Threaded element. L. C. Steinle and C. H. Hanwell. 2,356,098; Aug. 15.
Throttle valve mechanism. R. O. Allen. 2,355,692; Aug. 15.
Tie plate. E. L. Kidd. 2,355,655; Aug. 15.
Tin and similar metals, Recovery of. T. W. Benson and B. F. Hoffman. 2,355,777; Aug. 15.
Tool: *See*—
Hydraulic machine tool. Machine tool.
Lathe tool. Tube expanding tool.
Tool for moving and positioning pack-off assemblies. W. E. Gean and M. R. Dougherty. 2,355,854; Aug. 15.
Torch, Preheating. G. F. Goddeau. 2,356,048; Aug. 15.
Torch tip. J. C. Crowley. 2,355,849; Aug. 15.
Toy furniture. H. Davis. 2,355,957; Aug. 15.
Trailer. J. J. McGlothlin. 2,355,663; Aug. 15.
Transmission. E. P. Bullard, III. 2,355,623; Aug. 15.
Transmission. E. P. Bullard, III, E. N. Cowell, and F. H. Mussler. 2,355,624; Aug. 15.
Transmission. E. P. Bullard, III, E. N. Cowell, and F. H. Mussler. 2,355,626; Aug. 15.
Transmission. A. Y. Dodge. 2,355,709; Aug. 15.
Transmission and control mechanism. G. H. Johnson. 2,355,869; Aug. 15.
Transmission, Fluid brake operating. F. P. Lasaga. 2,355,876; Aug. 15.
Transmission gearing. L. B. MacGregor. 2,355,666; Aug. 15.
Transmission system for measuring instruments, Movement. R. I. N. Weingart. 2,355,688; Aug. 15.
Transmitter, Telephone call. F. A. Hubbard. 2,355,976; Aug. 15.
Trap: *See*—
Insect trap.
Tube: *See* —
Finned tube.
Tube connector. H. T. Kraft. 2,355,871; Aug. 15.
Tube expanding tool. F. F. Fisher. 2,355,852; Aug. 15.
Tubes, Forming closed. G. E. Franck. 2,355,792; Aug. 15.
Turbosupercharger for internal-combustion engines, Exhaust-driven. P. H. Stokes. 2,355,759; Aug. 15.
2-hydroxy-1-dithionaphthoic acid and product resulting therefrom, Treating. A. F. Hardman. 2,355,972; Aug. 15.
Upending device. P. E. Slightam. 2,356,120; Aug. 15.
Valve: *See*—
Brake valve. Relief valve.
Check valve. Self-closing valve.
Variable load brake. R. M. Oliver. 2,355,747; Aug. 15.
Variable speed-drive. C. R. Hanna and L. A. Kilgore. 2,356,051; Aug. 15.
Vehicle: *See*—
Motor vehicle.
Vehicle body. K. Schäfer. 2,356,008; Aug. 15.
Vehicle body construction. W. W. Gentry. 2,355,794; Aug. 15.
Vehicle for propelling and driving rotary snow plows and other mechanisms. E. R. Greer. 2,355,912; Aug. 15.
Vehicle wheel brake. E. T. Weeks and F. M. McCulley. 2,356,111; Aug. 15.
Vehicle windscreen or window opening and closing mechanism. S. A. Walton. 2,355,932; Aug. 15.
Ventilator, Adjustable. F. J. Burns. 2,355,847; Aug. 15.
Viscose, Production of. J. P. Hollihan, Jr. 2,355,650; Aug. 15.
Vulcanizer. J. W. Brundage. 2,355,846; Aug. 15.
Wall structure. B. Goerg. 2,355,855; Aug. 15.
Warp stop motion knockoff device. J. Stuer. 2,355,609; Aug. 15.
Water pump. J. M. Benson. 2,355,698; Aug. 15.
Weeder, Rotary rod. C. C. Calkins. 2,355,950; Aug. 15.
Weld rod covering. D. L. Mathias. 2,355,988; Aug. 15.
Welding. C. A. Cadwell. 2,355,627; Aug. 15.
Welding rod holder. J. H. Hill. 2,356,054; Aug. 15.
Wheel: *See*—
Bogie wheel.
Wheel. C. S. Ash. 2,355,942; Aug. 15.
Wind stimulator device for ground trainers. R. K. Stout. 2,355,685; Aug. 15.
Window unit. F. B. Hopewell. 2,355,803; Aug. 15.
Wire fabric. W. T. Ennor. 2,355,963; Aug. 15.
Wire guide, Baller. J. A. Haase. 2,355,647; Aug. 15.
Wrench. H. P. Reasoner. 2,355,819; Aug. 15.
X-ray system for varying intensity X-ray beams. J. Lempert. 2,355,981; Aug. 15.
Yarn winding machine. H. W. Doughty, Jr. 2,355,634; Aug. 15.
Zinc salt of the reaction products of aliphatic alcohols and terpene-phosphorus sulphide. R. L. May. 2,356,074; Aug. 15.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 15, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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215— 39: 2,356,012
219— 8: 2,355,988
2,356,054
10: 2,356,049
15: 2,355,538
40: 2,355,687
220—3.94: 2,355,845
9: 2,355,855
19: 2,355,946
220— 63: 2,356,047
222— 231: 2,355,726
223— 87: 2,355,699
87: 2,355,999
2,355,994
224— 29: 2,355,980
229— 26: 2,355,729
2,355,730
51: 2,355,665
62: 2,355,786
68: 2,356,078
82: 2,356,066
230— 56: 2,355,924
232— 35: 2,356,020
234—36.5: 2,355,903
235— 60: 2,355,637
238— 292: 2,356,080
299: 2,355,655
240— 6: 2,355,731
44.2: 2,355,936
108: 2,356,023
242— 45: 2,355,634
244— 24: 2,355,610
53: 2,355,829
63: 2,355,948
102: 2,355,764
124: 2,355,681
246— 161: 2,355,989
248— 37: 2,356,036
68: 2,355,742
243: 2,355,651
250— 27.5: 2,355,717
2,355,718
2,356,035
2,356,112
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2,356,071
100: 2,355,981
162: 2,355,795
251— 123: 2,355,683
132: 2,356,089
252— 33: 2,355,994
2,355,995
53: 2,356,043
57: 2,355,616
59: 2,355,993
333: 2,355,778
350: 2,355,935
254— 173: 2,355,749
187: 2,355,861
256— 48: 2,355,767
257— 126: 2,355,619
133: 2,355,629
262: 2,355,621
259— 75: 2,356,021
91: 2,356,004
180: 2,356,096
260— 9: 2,356,079
79: 2,356,091
97: 2,355,782
139: 2,356,073
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211: 2,355,911
217: 2,355,650
227: 2,355,712
240: 2,355,654
248: 2,355,770
293: 2,355,659
309.6: 2,355,837
333: 2,355,972
372: 2,356,060
2,356,061
397.2: 2,355,661
428.5: 2,355,605
484: 2,355,970
2,355,971
597: 2,355,703
615: 2,355,823
651: 2,355,850

260—	666:	2,356,001	273—	135:	2,355,785	281—	21:	2,355,737	294—	93:	2,355,854
	683. 15:	2,355,868			2,355,927	285—	193:	2,355,871	296—	23:	2,355,663
		2,355,925	274—	10:	2,355,790	286—	9:	2,356,011		27:	2,355,794
267—	9:	2,355,783		12:	2,355,751	287—	76:	2,356,014		31:	2,356,008
	49:	2,355,801	277—	20:	2,355,692		103:	2,355,922	299—	83:	2,355,882
	64:	2,356,093		70:	2,355,862	290—	38:	2,356,064	300—	7:	2,356,121
268—	102:	2,355,932	280—	33:	2,355,893	292—	78:	2,355,895	301—	63:	2,355,941
271—	53:	2,355,873		33. 1:	2,355,775		114:	2,355,890	302—	50:	2,355,774
	69:	2,355,697		33. 17:	2,355,695		347:	2,355,791	303—	22:	2,355,747

303—	54:	2,355,612	311—	99:	2,355,929						
305—	1:	2,355,942	312—	193:	2,355,839						
308—	36. 1:	2,356,027	314—	129:	2,355,983						
	187. 2:	2,355,805	315—	96:	2,355,968						
	189:	2,355,723									
	205:	2,355,843									
	213:	2,355,818									
309—	12:	2,355,937									
	44:	2,355,772									

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,355,616:	252—	57	2,355,675:	78—0. 5		2,355,773:	192—	58	2,355,888:	70—165	
2,355,619:	257—126		2,355,697:	271— 69		2,355,777:	23—	53	2,355,919:	117— 21	
2,355,638:	106—	19	2,355,703:	260—597		2,355,781:	64—	1	2,355,935:	252—350	
2,355,639:	106—	19	2,355,705:	24—230. 5		2,355,809:	124—	13	2,355,936:	240—44. 2	
2,355,650:	260—217		2,355,707:	189— 34		2,355,848:	86—	31	2,355,952:	175—335	
2,355,652:	131—203		2,355,749:	254—173		2,355,865:	29—104		2,355,970:	260—484	
2,355,669:	121—	1	2,355,772:	309— 44		2,355,887:	21—	54	2,355,971:	260—484	

2,355,995:	252—	33	2,356,074:	260—139	
2,356,004:	259—	91	2,356,076:	171—325	
2,356,009:	75—	22	2,356,077:	5— 38	
2,356,043:	252—	53	2,356,091:	260— 79	
2,356,066:	229—	82	2,356,096:	259—180	
2,356,072:	97—212		2,356,109:	120— 46	
2,356,073:	260—139				

CLASSIFICATION OF DESIGNS

D 3—	4:	Des.138, 528	D14—	3:	Des.138, 549	D29—20:		Des.138, 505	D45—	9:	Des.138, 519
		Des.138, 533	D15—	8:	Des.138, 510			Des.138, 506		19:	Des.138, 520
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	26:	Des.138, 529	D17—	2:	Des.138, 513		23:	Des.138, 514			Des.138, 522
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D14—	3:	Des.138, 539		20:	Des.138, 504	D45—	9:	Des.138, 518		26:	Des.138, 542

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		Des.138, 538			Des.138, 508						
D74—17:		Des.138, 544			Des.138, 509						
	24:	Des.138, 499			Des.138, 543						
		Des.138, 500	D88—	3:	Des.138, 524						
		Des.138, 501	D92—	1:	Des.138, 540						
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D80—	5:	Des.138, 530			Des.138, 558						
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D81—	2:	Des.138, 546									
	19:	Des.138, 554									
D85—	2:	Des.138, 534									

U. S. GOVERNMENT PRINTING OFFICE: 1944

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

FRANCO-ITALIAN PACKING CORP.

v.

VAN CAMP SEA FOOD CO., INC.

No. 4,881. Decided April 4, 1944

[142 F.(2d) 274]

1. TRADE-MARKS—CONFUSING SIMILARITY.

Applicant's trade-mark "GEM-OF-THE-SEA" and opposer's registered trade-marks "CHICKEN OF THE SEA" and "SEA CHICKEN," used on identical goods, *Held* not confusingly similar when the marks are viewed as a whole.

2. SAME—SAME—DISSECTION OF MARKS.

The fact that it is settled law that in determining the question of likelihood of confusion the marks must be viewed as a whole *Held* to be no justification for a refusal to consider the similarity of certain portions of the marks and separating them for the purpose of such consideration; "marks may contain descriptive or geographical terms which, by themselves, anyone has the right to use, and their extensive common use is sometimes persuasive of the conclusion that such similar descriptive or geographical portions of a mark would not be looked to as indicating the origin of the goods."

3. SAME—SAME.

"We must look to the mark as a whole, regardless of descriptive portions, and determine whether or not the use of the whole mark in the same field in which the mark of another is used would be likely to cause confusion."

4. SAME—SAME.

Held that neither party is entitled to a monopoly of the term "of the Sea"; that the public should be free to use the term "of the Sea" in handling sea food; but that in doing so "one is not privileged to adopt a mark containing the said term, which mark as a whole is so confusingly similar to a mark owned and previously used by another as to mislead the public."

5. SAME—SAME.

"With these principles in view, and dissecting the marks only for the purpose of determining the meanings, sounds, and appearances of the same in relation to the question of confusing similarity, it seems clear to us that the word 'Gem' and the word 'Chicken' are so utterly dissimilar in sound, meaning, and appearance as to insure against the likelihood of confusion when the two marks containing the term 'of the Sea' are concurrently used. * * * No one is likely to be confused in buying an 'of the Sea' product by reason of any similarity when that term is associated with the dissimilar words 'Gem' and 'Chicken,' respectively."

6. SAME—REGISTRATION—PRESUMPTION OF VALIDITY.

"Since 'CHICKEN OF THE SEA' is a registered mark, it comes to us with the presumption that it is a valid mark and therefore not descriptive."

APPEAL from the Patent Office. Reversed.

Messrs. Jackson, Webster & Read (*Mr. Chas. R. Allen* and *Mr. William G. Mackay* of counsel) for Franco-Italian Packing Corp.

Messrs. Minier & Fihe (*Mr. Albert J. Fihe* of counsel) for Van Camp Sea Food Co., Inc.

BLAND, *J.:*

The appellant, Franco-Italian Packing Corporation, hereinafter referred to as applicant, filed its application in the United States Patent Office for the registration of its trade-mark "GEM-OF-THE-SEA," which it uses in the sale of canned fish. The Van Camp Sea Food Co., Inc., hereinafter referred to as opposer, filed notice of opposition to the said registration, alleging its ownership and use of the two registered trade-marks "CHICKEN OF THE SEA" and "SEA CHICKEN."

The Examiner of Interferences held that since the goods were identical, the marks as a whole were so similar that there would be likelihood of confusion, sustained the opposition, and adjudged that applicant was not entitled to the registration sought.

The Commissioner of Patents, upon appeal, affirmed the decision of the Examiner of Interferences, and from the Commissioner's decision applicant has here appealed.

Applicant concedes to opposer priority in the use of the marks and presents here the sole issue as to whether or not the tribunals below correctly found that the marks were so similar as to lead to confusion within the meaning of the trade-mark law. Much is said in both briefs on the subject of the descriptive character of the marks or portions thereof, it being urged by opposer that the marks must be considered as a whole under the well-settled rule, and that, the term "of the Sea" in one of opposer's marks and in the mark of applicant being identical, the public would be led to believe, upon seeing applicant's goods, that they originated with opposer.

[1][2] We are of the opinion that the tribunals below fell into error in holding that the marks, when viewed as a whole, were confusingly similar. It is true, as pointed out by the opposer, that it is settled law that in determining the question of likelihood of confusion the marks must be viewed as a whole. So far as we know, the law has never been otherwise—certainly not since the Supreme Court in the case of *Beckwith* v. *Commissioner of Patents*, 252 U. S. 538, 1920 C. D. 471, 274 O. G. 613, said:

> The commercial impression of a trade-mark is derived from it as a whole, not from its elements separated and considered in detail. For this reason it should be considered in its entirety * * *.

This fact, however, is no justification for a refusal to consider the similarity of certain portions of the marks and separating them for the purpose of such consideration. Marks may contain descriptive or geographical terms which, by themselves, anyone has the right to use, and their extensive common use is sometimes persuasive of the conclusion that such similar descriptive or geographical portions of a mark would not be looked to as indicating the origin of the goods.

[3] The correct rule has been stated by this court many times. We must look to the mark as a whole, regardless of descriptive portions, and determine whether or not the use of the whole mark in the same field in which the mark of another is used would be likely to cause confusion.

While the facts in the case of *Younghusband* v. *Kurlash Co., Inc.*, 25 C. C. P. A. (Patents) 886, 94 F.(2d) 230, 36 U. S. P. Q. 323, 492 O. G. 8, in which the marks "STARLASH" and "KURLASH" were involved, differed from those at bar, we there said:

It is familiar doctrine that, in determining the question of confusing similarity of marks, they must be considered as a whole, but it does not follow that portions of marks which are similar must be given equal weight with portions of marks which are dissimilar. • • •

• • • • • • •

We believe that purchasers would pay little attention to the last syllable of the marks as bearing upon the origin of the goods, but, seeing the marks as a whole, the mind would fasten upon the syllable "Kur" in appellee's mark and "Star" in appellant's mark, and the last syllable in each mark would be given little attention other than with respect to its descriptive character.

In *Miles Laboratories, Inc.*, v. *The Pepsodent Co.*, 26 C. C. P. A. (Patents) 1272, 104 F.(2d) 205, 41 U. S. P. Q. 738, 508 O. G. 293, where the marks "PEPSO-SELTZER" and "ALKA-SELTZER" were involved, this court, in holding that the term "Seltzer" was descriptive, pointed out that any other conclusion than that at which we arrived would "result in appellant having practically a monopoly of the word 'Seltzer' in a trade-mark."

To the same effect was our holding in *Miles Laboratories, Inc.*, v. *United Drug Co.*, 27 C. C. P. A. (Patents) 1273, 112 F.(2d) 814, 46 U. S. P. Q. 59, 521 O. G. 528, where the marks "REX-SELTZER" and "ALKA-SELTZER" were involved. We there said:

• • • if the term "Rex" in appellee's mark is sufficiently dissimilar from the term "Alka" in appellant's mark so that, when considered in their entireties, the marks of the parties are not confusingly similar, appellee is entitled to have its mark registered. • • •

See also *Yeasties Products, Inc.*, v. *General Mills, Inc.*, 22 C. C. P. A. (Patents) 1215, 77 F.(2d) 523, 25 U. S. P. Q. 393, 460 O. G. 499.

[4] The case of *Hall* v. *Pennzoil Co., Etc.*, 29 C. C. P. A. (Patents) 933, 126 F.(2d) 506, 53 U. S. P. Q. 61, 541 O. G. 12, seems to be closely in point on the nice question here presented. In that case we had before us the marks "PENNPAYZ" and "PENNZOIL." We held that there was no likelihood of confusion and called attention to the fact that there was

"little resemblance either in meaning or sound except in the syllable 'PENN' • • •."

We also said that

"the syllables 'PAYZ' and 'ZOIL' are so different in appearance and meaning that we think, as applied to oils and greases, purchasers would not likely be deceived in the origin of the goods • • •",

and we pointed out the generally recognized purpose in applying the term "Penn" to lubricants. There, neither party was entitled to a monopoly of the term "Penn"; so here, neither party is entitled to a monopoly of the term "of the Sea."

In so concluding, we do not mean to characterize the term as an improper portion of a trade-mark. It is generally recognized that most canned fish comes from the sea. The public should be free to use the term "of the Sea" in handling sea food. In doing so, however, one is not privileged to adopt a mark containing the said term, which mark as a whole is so confusingly similar to a mark ow[illegible] and previously used by another as to mislead th[illegible]olic.

[5] Now, with these principles in view, and dissecting the marks only for the purpose of determining the meanings, sounds, and appearances of the same in relation to the question of confusing similarity, it seems clear to us that the word "Gem" and the word "Chicken" are so utterly dissimilar in sound, meaning, and appearance as to insure against the likelihood of confusion when the two marks containing the term "of the Sea" are concurrently used. "Gem" has a wholly different significance from "Chicken." "Chicken" may suggest (we have held that "Chicken" is not descriptive, *Van Camp Sea Food Co.* v. *A. B. Stewart Organizations*, 18 C. C. P. A. (Patents) 1415, 50 F.(2d) 976, 9 U. S. P. Q. 541, 412 O. G. 274) that the fish upon which the mark is used is young and tender or excellent in taste. When we think of "Gem," we think of a jewel—something of great price or rare beauty, or the term may suggest desirability. No one is likely to be confused in buying an "of the Sea" product by reason of any similarity when that term is associated with the dissimilar words "Gem" and "Chicken," respectively.

While cases of this character, as we have often said, presenting as they do close questions with respect to whether or not there is a likelihood of confusion, are largely matters of opinion and not easy of decision by reference to other cases because of the differing factual situations, we think the following decisions support our conclusion here: *Rosenberg Bros. & Co.* v. *Robert G. Horowitz*, 17 C. C. P. A. (Patents) 641, 35 F.(2d) 784, 3 U. S. P. Q. 239, 390 O. G. 267 (holding "WASHINGTON PARK" and "FASHION PARK" not confusingly similar); *Rosenberg Bros. & Co.* v. *The Simon Levin & Sons Co.*, 17 C. C. P. A. (Patents) 847, 37 F.(2d) 962, 4 U. S. P. Q. 156, 395 O. G. 708 (holding "COLLEGE PARK" and "FASHION PARK" not deceptively similar); *Bourjois Inc.* v. *Cheatham Chemical Co.*, 18 C. C. P. A. (Patents) 1089, 47 F.(2d) 812, 8 U. S. P. Q. 469, 407 O. G. 1120 (holding "POLLY PEACHTREE" not deceptively similar to "PEACHES," "PEACH BLOW," "PEACHES AND CREAM," or "VELVET OF PEACHES"); *L. Otzen & Co.* v. *J. K. Armsby Co.*, 49 App. D. C. 134, 261 Fed. 1014, 270 O. G. 191 (holding "BLOSSOM AND SUNSHINE" and "FROM THE LAND OF SUNSHINE" not confusingly similar); and *Plough Chemical Co.* v. *Bullion*, 55 App. D. C. 294, 5 F.(2d) 117, 336 O. G. 256 (holding "BLACK AND WHITE" not deceptively similar to "RED AND WHITE").

Opposer relies in part upon the decision of this court in the case of *Marshall Field & Co.* v. *R. H. Macy & Co., Inc.*, 28 C. C. P. A. (Patents) 807, 115 F.(2d) 921, 47 U. S. P. Q. 438, 525 O. G. 8, in which we held the marks "CREPEGLO" and "CREPETEX" confusingly similar. We there said:

It is very clear to us that the words "CREPEGLO" and "CREPETEX" bear a marked resemblance to each other in sound, appearance and meaning. The first syllable of each is identical and the last syllable certainly suggests a characteristic of the goods.

The facts there were wholly different from the facts here, since there was a greater resemblance between the marks there than there is between the marks at bar.

[6] Opposer has devoted considerable space in its brief in contending that its mark is not descriptive and has cited a number of cases in support of such contention. As before stated, we have held that "Chicken" is not descriptive, and, since "CHICKEN OF THE SEA" is a registered mark, it comes to us with the presumption that it is a valid mark and therefore not descriptive.

Applicant has devoted some space in its brief to a charge of "unclean hands" on the part of opposer. In view of our conclusion, it is unecessary for us to consider this question. We could not do so anyway, because applicant has assigned no reason of appeal covering this subject-matter.

The decision of the Commissioner of Patents is reversed.

Reversed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

U. S. Court of Customs and Patent Appeals

IN RE BLAIR

No. 4,866. Decided April 4, 1944

[142 F.(2d) 289]

1. PATENTABILITY—GASEOUS DISCHARGE LAMP.

Where a British patent in the prior art showed a gaseous discharge lamp differing from that disclosed by appellant in that the top or reflecting plate of the container has serrations or projections extending completely or partially across the space between said plate and the front translucent wall, for the purpose of preventing collapse of the container *Held* that the appealed claims did not patentably distinguish from such prior art in emphasizing that the interior of appellant's container between electrode means is free from means capable of modifying locally the intensity of the illumination through the front wall and that the gaseous discharge medium within said container extends "uninterruptedly over the whole area of said translucent wall between and throughout the length of said electrode means."

2. SAME—INVENTION—OMISSION OF AN ELEMENT AND ITS FUNCTION.

"It was the view of the Board, in which we concur, that under the circumstances it would not constitute invention to omit the serrations of the British patent and thus sacrifice the function which they have. It seems obvious that this could not be done successfully in a large lamp from which most of the atmospheric pressure had been taken, and that if appellant's device does not collapse, it must be because it is small and designed for use in relatively small apparatus. There is nothing in the claims at bar with reference to either the use to which appellant's lamps are put or the size or heaviness of the material of which they are constructed."

3. SAME—SAME—SAME.

"It is a general rule in patent law that the omission of an element and its function is not inventive."

4. SAME—SAME—SAME.

"As to the argument that appellant has produced a new and useful result by the omission of the serrations and their function, it is sufficient answer to say that such omission would obviously produce no other improved result than that of degree, not of kind, and that the omission was obvious and not prompted by an inventive concept."

APPEAL from the Patent Office. Affirmed.

Messrs. Baldwin & Wight (*Mr. Donald M. Wight* of counsel) for Blair.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

Claims 24 and 25 having been allowed by the tribunals of the United States Patent Office in appellant's application for a patent, the Primary Examiner rejected claims 2, 8, 20, 21, 22, and 23 thereof, and appeal has been taken here from the decision of the Board of Appeals affirming that of the Examiner.

Appellant's application relates to luminous discharge lamps, which appellant states are intended for use in connection with photographic enlargers and projectors. The lamp comprises a hermetically sealed container, having as one of its walls a preferably flat glass plate coated with luminescent material, through which light is emitted. The container is somewhat flat, and the drawing shows the same to have a rounded upper and side wall portion interiorly coated with a reflecting material. The space within the container is filled with argon or other rare atmospheric gas and contains a small amount of mercury. It is generally understood that in this character of lamp the air is partially evacuated from the chamber before the insertion of the gas. At opposite ends of the space, elongated rods or wire-shaped electrodes are positioned, preferably in parallelism with each other. Appellant states that the electrodes should be very long in comparison with their transverse sections. When these electrodes are suitably connected with electric current, a strong band of ultra-violet light is formed or arced across the container.

It is emphasized in all the appealed claims, which are article claims, that the interior of the container between the electrodes is free from means capable of modifying locally the intensity or uniformity of the illumination through the front wall, and that the gaseous discharge medium within said container extends

"uninterruptedly over the whole area of said translucent wall between and throughout the length of said electrode means."

Claims 2 and 21 are illustrative of the appealed subject-matter and read as follows:

2. In a gaseous discharge type lamp for providing uniform illumination over a substantial area, a hermetically sealed container having a translucent wall of substantial area; elongated mutually independent and electrically parallel electrode means mounted within the container in spaced apart relation, and respectively adjacent opposite ends of said wall; a gaseous discharge medium within said container and extending uninterruptedly over the whole area of said translucent wall between and throughout the length of said electrode means; and means for supplying current to said electrode means thereby to promote an uninterrupted ribbon-like luminous positive column discharge between said electrode means and generally paralleling said wall and effective to provide uniform illumination through said wall, the interior of the container between said electrode means being free from means capable of modifying locally the intensity of illumination through said wall.

21. In a gaseous discharge type lamp for providing uniform illumination over a substantial area, a hermetically sealed container having a translucent wall of substantial area; elongated mutually independent and electrically parallel electrode means mounted within the con-

tainer in spaced apart relation, and respectively adjacent opposite ends of said wall; a gaseous discharge medium within said container and extending uninterruptedly over the whole area of said translucent wall between and throughout the length of said electrode means; and means for supplying current to said electrode means thereby to promote an uninterrupted ribbon-like luminous positive column discharge between said electrode means and generally paralleling said wall and effective to provide uniform illumination through said wall, the interior of the container between said electrode means being free from means capable of modifying locally the intensity of illumination through said wall, said translucent wall being substantially flat and rectangular and coated with a material which extends throughout the length of and over the whole surface area intervening said electrode means and is fluorescent during discharge between said electrode means.

The references cited by the Examiner are: Miller, 1,724,298, August 13, 1929; Prisner (British), 325,592, February 24, 1930; Römer, 2,001,852, May 21, 1935; Brady, 2,008,782, July 23, 1935; Michel, 2,185,674, January 2, 1940.

While the Michel patent was referred to by the Examiner in the prosecution of the application, no mention is made of it in the Examiner's statement or in the Board's decision, other than its mere listing, and we find it unnecessary to refer to it here.

The British patent to Prisner is the basic reference. It shows substantially all that is disclosed by appellant's application, which is regarded as important here. However, the British disclosure differs from that of appellant in that the top plate or reflecting plate preferably has serrations or projections extending

"over the whole or part of their length right across the intervening space between the plates, though in some cases the necessary strength to withstand the heavy strains imposed, due to the low pressure within the lamp may be obtained without taking the serrations completely across the said space."

The object of the serrations or supporting projections is to prevent the collapse of the structure owing to the exhaustion of the atmospheric pressure from the interior.

The Brady patent for a luminous sign, not referred to by the Board though listed with the references in its decision, was relied upon by the Examiner in rejecting a number of the claims. The Examiner pointed out that there were supporting ribs or members across the arcing space and that in one modification there were four small rings, which were the only interference with the gaseous discharge. It was the view of the Examiner that it would not be inventive to omit the rings or supporting ribs.

The Römer patent for an illuminating element shows a gaseous chamber which is uninterrupted except by spacing elements between the walls, which partially interrupt the passage of the electric current and which are so placed as to support the two surfaces of the chamber against "being pressed in by atmospheric pressure, owing to the vacuum prevailing in the illuminating chamber."

Miller was referred to by the Examiner and by the Board as showing the fluorescent coating feature defined by some of the appealed claims. The Examiner also referred to that patent as showing the reflecting surface called for by some of the claims.

[1][2][3][4] While other phases of appellant's structure are emphasized, and one feature of the same (a plurality of serially aligned individual electrode portions) resulted in the eventual allowance of claims 24 and 25, the main feature of the claimed invention rests in the limitation found in all the appealed claims with reference to the uninterrupted path of the gaseous discharge, brought about by the fact that the serrations or supporting projections have been eliminated from the devices of the prior art. It seems to us that if the appealed claims define invention over the prior art, it rests solely in this limitation.

Appellant argues that since his device is a gaseous discharge lamp which requires uniform illumination to be used in connection with photographic enlargers or projectors, he has brought about a new and useful result, not of degree but of kind; that his device is the only one to which reference has been made that is specially designed for solving the said photographic enlarger problem; and that it is obvious from the British patent, as well as from the Brady and Römer patents, that the supporting projections which extend down into the pathway of the electrical current passing between the electrodes will, by interrupting the current, promote a lack of uniformity in the light which emanates from the lamp. He points out that in the British patent the so-called prismatic serrations or projections are relied upon by Prisner as being useful for reflecting and dispersing daylight when the lamps are not electrically connected.

It was the view of the Board, in which we concur, that under the circumstances it would not constitute invention to omit the serrations of the British patent and thus sacrifice the function which they have. It seems obvious that this could not be done successfully in a large lamp from which most of the atmospheric pressure had been taken, and that if appellant's device does not collapse, it must be because it is small and designed for use in relatively small apparatus. There is nothing in the claims at bar with reference to either the use to which appellant's lamps are put or the size or heaviness of the material of which they are constructed.

Appellant contends that in the new use to which he puts his lamps, the omission of said feature disclosed by the prior art brought about new, useful, and unobvious results, and that therefore his claims define invention. As before stated, the claims at bar are article claims and not method or process claims, and they call for no new use.

It is a general rule in patent law that the omission of an element and its function is not inventive. *In re Perrine*, 27 C. C. P. A. (Patents) 1127, 111 F.(2d) 177, 45 U. S. P. Q. 316, 519 O. G. 520, and cases there cited. While there may be exceptions to this rule (see *Glade, Jr.*, v. *Walgreen Co.* (C. C. A. 7), 122 F.(2d) 306, 50 U. S. P. Q. 407), we are not convinced that the facts of the instant case can be the basis for making such an exception. The case of *In re Snyder*, 21 C. C. P. A. (Patents) 720, 67 F.(2d) 493, 19 U. S. P. Q. 247, 438 O. G. 267, does not support appellant's contentions. That case involved the omission of an element of a combination and adding an element thereto. If appellant in the instant case had omitted the serrations and retained their function, a different question would be presented. The rule is well stated by the Supreme Court in *Richards* v. *Chase Elevator Company*, 159 U. S. 477, 73 O. G. 1710, as follows:

* * * While the omission of an element in a combination may constitute invention, if the result of the new combination be the same as before; yet if the omission of an element is attended by a corresponding omission of the function performed by that element, there is no invention, if the elements retained performed the same function as before. * * *

This court succinctly stated the rule in *In re Albert C. Fischer*, 19 C. C. P. A. (Patents) 1219, 58 F.(2d) 1060, 13 U. S. P. Q. 389, 422 O. G. 905. We quote therefrom the following:

It is well established that there is nothing inventive in omitting a part of a device and also the function of that part. *In re Trester*, 17 C. C. P. A. (Patents) 642, 36 F.(2d) 133 [3 U. S. P. Q. 312]; *In re Fry*, 19 C. C. P. A. (Patents) 825, 54 F.(2d) 433 [12 U. S. P. Q. 1].

It is equally well established that omitting a part of a device while retaining the functions of the part omitted may be invention. *Richards* v. *Chase Elevator Co.*, 159 U. S. 477.

As to the argument that appellant has produced a new and useful result by the omission of the serrations and their function, it is sufficient answer to say that such omission would obviously produce no other improved result than that of degree, not of kind, and that the omission was obvious and not prompted by an inventive concept.

It would seem obvious to one who wanted an uninterrupted current and who desired to construct a lamp small enough to withstand the atmospheric pressure that he might omit the supporting projections between the plates shown in the prior art. Prisner definitely states that his projections need not project entirely across the intervening chamber space. To that extent he has an uninterrupted flow of current where the projections are not interposed. It is our view that Prisner's statement that his prismatic serrations or projections may also be used for reflecting daylight does not change the situation. Claim 1 of Prisner reads directly upon appellant's structure except for the limitation therein contained relating to the serrations to which reference has herein been made.

While appellant may have greatly improved the art relating to the particular kind of device here involved, for the purposes for which he intends to use it, we do not think he has done more than that which one skilled in the art would do when confronted with appellant's problem. The appealed claims define nothing inventive over the said cited art, and the decision of the Board of Appeals is accordingly affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

U. S. Court of Customs and Patent Appeals

IN RE KINGSTON

No. 4,883. Decided April 4, 1944. Petition for rehearing denied April 27, 1944

[142 F.(2d) 259]

1. APPEAL—AFFIDAVIT.
   An affidavit filed by appellant with his petition to the Board of Appeals for reconsideration *Held* properly refused consideration by the Board.
2. SAME—BRIEF.
   "Appellant, in his reasons of appeal, makes no mention of this affidavit, but in his brief before us he referred to said affidavit as supporting his contention that the percentages of nickel and chromium named in the claims were critical. It is obvious that such reference to the affidavit by counsel for appellant was improper, and we will not consider it."
3. PATENTABILITY—FUSED JOINT.
   Certain claims to a fused joint or vacuum-tight seal *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. John J. Rogan for Kingston.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting claims 10, 13, and 14 of appellant's application for a patent. Claim 15 was also rejected by the Examiner and such rejection was originally affirmed by the Board, but upon a petition for reconsideration of the rejection of said claim the Board reversed the action of the Examiner and held that claim 15 should be allowed.

Claim 10 is illustrative of the subject matter of all the claims and reads as follows:

10. A fused joint or vacuum-tight seal between a soft glass having a curved temperature-elongation characteristic varying from zero to approximately 0.005 cm. per cm. over a temperature range of from approximately 25° C. to 500° C. and an alloy having a matched curved characteristic, said alloy being composed of from 38 to 45 percent nickel and substantially entirely free from cobalt; 3 to 15 percent chromium and the balance substantially entirely iron.

Claim 13 differs from claim 10 only in that it recites the strength of the alloy as being from 125,000 to 150,000 pounds per square inch.

Claim 14 differs from claim 10 only in that it recites the element "not over 0.4 percent manganese."

Allowed claim 15 reads as follows:

15. A fused joint or vacuum-tight seal between a soft glass having a curved temperature-elongation characteristic varying from zero to approximately 0.005 cm. per cm. over a temperature range of from approximately 25° C. to 500° C. and an alloy consisting of approximately 42 percent nickel; 4 to 8 percent chromium, and the balance not less than 50 percent iron substantially entirely free from cobalt.

The alleged invention relates to an article such as a vacuum tube having metal leads bonded to the glass. The tube is made of soft glass, and the alloy used consists principally of nickel, chromium, and iron, having a specified composition which, it is stated, has an expansivity substantially equivalent to that of the glass tube, thus maintaining the vacuum-tight character of the tube over a wide range of temperature variations.

The reference cited is: Scott, 2,065,404, December 22, 1936.

The patent to Scott discloses the same objective as that of appellant, viz, to provide a vacuum-tight joint between a soft glass tube and a metal conductor.

The patent states:

One object of my invention, therefore, is to provide satisfactory seals between soft glasses and ferrous base alloys which have expansivity characteristics corresponding to those of the glass and inflection temperatures in excess of the strain point of the glass.

Scott accomplishes his object in substantially the same way as does appellant, except in certain respects relating to the proportions of nickel and iron employed. He states that the use of cobalt in the alloy composition is preferred, but he clearly discloses an alloy which contains no cobalt. In his patent he gives a table of alloy compositions having the same expansivity as that possessed by soft glass. Twelve alloy compositions are stated, three of which contain no cobalt. The fifth alloy so set out is as follows:

	Percentage content of—				
Alloy mixture	Iron*	Nickel	Cobalt	Manganese	Chromium
e	49.8	46.5	0.0	0.7	3.0

* Stated values also include norminal contents of deoxidizing and desulphurizing elements and impurities.

With respect to this table the patent states:

It is desired to emphasize that the presented table of alloy compositions is illustrative rather than limiting, it being restricted to additions of the readily oxidized elements chromium and manganese only. Other elements such as aluminum, silicon and boron may be subetituted for those elements and may be used in various combinations rather than singly.

The Scott composition above set out is within the range of the percentage of chromium recited in the claims and with respect to nickel it is somewhat higher than the upper range of nickel set forth in the claims, the percentage of nickel set out in said quotation from the table being 46.5 per cent while the upper range of nickel set forth in the claims is 45 per cent.

The percentage of manganese set out in the Scott table is 0.7 per cent while the percentage set out in appellant's claim 14 is 0.4 per cent.

With respect to lowering the percentage of nickel in his composition, Scott states:

For example, as the nickel content of the subject alloys is lowered, both the expansivity and the inflection temperatures are also lowered, and vice versa. An addition of manganese (above the small quantity, usually less than 1%, incorporated in commercial alloys to enhance forgeability) has the effect of raising the expansivity and lowering the inflection temperature. An addition of chromium has a similar effect.

Thus it will be seen that Scott teaches that if the nickel content is lowered the expansivity of the alloy is lowered, but that the addition of manganese or chromium has the effect of raising the expansivity of the alloy.

Claim 6 of the Scott patent reads as follows:

6. A fused joint or seal between a soft glass having an expansivity of from 7 to 12×10^{-6} per °C. and a strain point of about 350° C. and an iron-nickel alloy having an expansivity substantially equivalent to that of the glass and an inflection temperature in excess of 350° C., said alloy being made up substantially 44 to 48% of nickel, a substantial quantity, in the aggregate between 1.0 and 7%, of *one or more* of the elements manganese, *chromium*, silicon, aluminum and boron the presence of which enhances the formation of a surface oxide readily fusible by the glass, and the balance substantially of iron. [Italics ours.]

The Primary Examiner rejected the claims upon the ground that Scott shows the same matched characteristics of the glasses and alloys as does appellant; that he disclosed variation in the nickel content may be resorted to in order to change the expansivity characteristics of the alloy, and that any variations between the alloys claimed and those disclosed in Scott's table, hereinbefore referred to, are "variations in degree and not in kind, no new and unexpected result being obtained."

With respect to the tensile strength of the alloy recited in claim 13, the Examiner held that element was inherent in the alloy, and that there "is no reason to believe that Scott's alloys do not have a strength comparable to that of the applicant's alloys."

The Board of Appeals in its original decision affirmed the decision of the Examiner with respect to all the claims, giving the same reasons for the rejection of the claims as were urged by the Examiner.

[1] In its petition for reconsideration of the decision of the Board respecting claim 15, it was urged that the 42 per cent of nickel recited in said claim was critical, and in support of such contention an affidavit by appellant was filed.

In its decision upon reconsideration the Board stated:

When Scott omits cobalt (Table II Mixture *f*) the nickel content is too high to anticipate and the iron content is too low. Also Scott uses more manganese than is suggested by applicant. We believe Scott clearly indicates that the nickel content may be lowered or raised depending on the expansivity desired. If it were lowered to 42 in example *f*, there still remains the doubt as to whether Scott would increase the iron content or the chromium content or both and there is no indication from Scott's disclosure exactly what would be done as to the chromium and iron. On reconsideration, we cannot say that the alloy of claim 15 is obvious from the Scott disclosure.

With respect to the affidavit of appellant above mentioned, the Board said:

The affidavit filed with the petition has not been considered by the Examiner and it is not the practice to remand the case to the Examiner after the Board's decision for the purpose of considering an affidavit. For this reason we have not considered the affidavit in arriving at this decision.

Appellant urges that the reasoning of the Board with respect to claim 15 also applies to the claims before us, and as claim 15 was allowed the claims before us should also be allowed.

It is well established that rejected claims may not be properly measured by allowed claims in order to determine patentability of the former. *In re Eitzen*, 24 C. C. P. A. (Patents) 798, 86 F.(2d) 759, 478 O. G. 228; *In re Borden*, 21 C. C. P. A. (Patents) 915, 68 F.(2d) 983, 444 O. G. 761.

Furthermore, it will be observed that the percentage of nickel recited in claim 15 is 42 per cent, while the percentage in the rejected claims ranges from 38 to 45 per cent.

The affidavit filed with appellant's petition for reconsideration was refused consideration by the Board, and properly so.

[2] Appellant, in his reasons of appeal, makes no mention of this affidavit, but in his brief before us he referred to said affidavit as supporting his contention that the percentages of nickel and chromium named in the claims were critical. It is obvious that such reference to the affidavit by counsel for appellant was improper, and we will not consider it.

Coming now to the merits of the case we are clear that the decision of the Board with respect to claims 10, 13, and 14 should be affirmed.

The Scott disclosure clearly embraces such soft glasses as are here involved.

Scott clearly teaches that the nickel content of the alloy may be lowered; that if it is lowered the expansivity of the alloy is also lowered, but if chromium be added it has the effect of raising the expansivity of the alloy. Appellant contends that Scott taught that the addition of manganese also had the effect of raising the expansivity of the alloy, and that such is not the case. It is immaterial here whether the addition of manganese raises the expansivity of the alloy or not. Scott may have been mistaken in this regard but he clearly taught that the addition of chromium had the effect of raising the expansivity of the alloy.

Claim 6 of the Scott patent, evidently overlooked by the Patent Office tribunals, corroborates the construction given by them of the Scott specification. While we are in accord with such tribunals in their holding that the percentages recited in the claims before us are not critical, it is clear that Scott taught that the percentage of nickel in the alloy might be as low as 44 per cent and the chromium percentage might vary from 1 to 7 per cent without cobalt being present in the alloy.

It will be observed that the claims before us require from 38 to 45 per cent of nickel and from 3 to 15 per cent of chromium.

It will thus be seen that the claims before us clearly overlap claim 6 of the Scott patent, the latter having a range of from 44 to 48 per cent of nickel and from 1 to 7 per cent of one or more of several substances, one of which is chromium.

With respect to claim 14 which recites the presence in the alloy of not over 0.4 per cent of manganese, the Scott patent recites that it is usual in commercial alloys to add less than one per cent of manganese to enhance forgeability. In the light of the foregoing, the addition to the alloy of manganese recited in claim 14 cannot aid patentability of the claim.

With respect to the limitations in claim 13 reciting the tensile strength of the alloy, we are in agreement with the view of the Examiner (not referred to by the Board), that there is no reason to believe that Scott's alloys do not have a strength comparable to that of appellant's alloys.

[3] For the reasons stated, the decision of the Board is affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

U. S. Court of Customs and Patent Appeals

KUHN *v.* JENNINGS

No. 4,853. Decided April 4, 1944. Petition for rehearing denied April 27, 1944.

[142 F.(2d) 67]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that priority properly was awarded to appellee.

APPEAL from the Patent Office. Affirmed.

Mr. Frank H. Hubbard (*Mr. W. C. Lyon* and *Mr. Edwin R. Hutchinson* of counsel) for Kuhn.

Mr. O. H. Eschholz (*Mr. Ralph H. Swingle, Mr. F. W. Lyle, Mr. Jo. Baily Brown* and *Mr. Raymond Jones* of counsel) for Jennings.

JACKSON, *J.*:

This is an appeal in an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences awarding priority of invention of the subject matter of the ten counts in issue to appellee Jennings.

The interference involves an application of appellant, Serial No. 708,804, filed January 29, 1934, for a patent for "Circuit Controlling Devices", and an application of appellee, Serial No. 712,577, filed February 23, 1934, for a patent on "Small Circuit Breakers." Appellant has assigned his application to Cutler-Hammer, Inc., of Milwaukee, Wisconsin, and appellee's assignee is the Westinghouse Electric and Manufacturing Company, of East Pittsburgh, Pa.

Appellee being the junior party had the burden of proving priority of invention by a preponderance of the evidence.

Count 1 is sufficiently illustrative of the invention and reads as follows:

1. In a circuit interrupter, means for opening and closing the circuit including a contact element movable about a pivot to open and closed positions, a pivoted operating member, a spring connected at one end to move said contact element about its pivot and connected at its other end to said operating member, said spring being movable by said operating member back and forth across the pivot of said contact element to thereby alternately bias said contact element to move to open and close the circuit with a snap action, and means responsive to a predetermined condition for applying a force to said spring at a point spaced from the end thereof connected to said operating member for moving said spring across the pivot of said contact element and thereby causing said spring to bias said contact element to move to open position even though the end of the spring connected to said operating member is held to prevent movement of said end of the spring.

The subject matter in issue relates to a circuit interrupter device for controlling an electric circuit, and comprises a handle, which may be manually operated as in an ordinary electrical switch, to open and close the circuit, and also bimetallic thermal responsive means for interrupting or opening the circuit under overload conditions. The circuit interrupter consists of a toggle snap switch

operable in either direction by the movement of a spring passing the pivot points of the toggle arms. The thermal responsive means causes the spring to pass the pivot points when the circuit is overloaded, thereby opening the contact members. The "on" position of the device, after the circuit has been opened by the thermal responsive means, may be restored by moving the manually operable handle from the "off" to the "on" position.

Appellant in his preliminary statement alleged conception of the invention and disclosure of it to others with respect to counts 4, 5, and 6 as between March 2, 1932 and October 22 of the same year, and reduction of the invention to practice between October 24, 1932 and November 4, 1932. With respect to counts 1, 2, 3, 7, 8, 9, and 10 appellant alleged conception of the invention and disclosure of it to others in the latter part of 1932 or prior to January 23, 1933, and reduction to practice of the invention with respect to counts 1, 7, and 8 prior to January 23, 1933, and as to counts 2, 3, 9, and 10 between January 23, 1933 and April 4, 1933.

Appellee in his preliminary statement alleged conception of the invention and disclosure of it to others as between September 15, 1932 and October 30, 1932, and reduction of it to practice during the month of November 1932.

Both parties took testimony.

The interference as declared involved a single count which was a claim from the application of appelle. Appellant moved to dissolve the interference on the grounds that the count was unpatentable and not readable upon appellee's disclosure. Appellee moved to amend by adding 15 additional counts. The Primary Examiner held the count to be readable on the disclosures of both parties, but held it to be unpatentable over the prior art. He granted appellant's motion to dissolve and also granted appellee's motion to add 14 of the 15 counts. Appellant petitioned for rehearing by the Primary Examiner and contended that appellee was not entitled to make the proposed counts in view of appellee's Patent No. 2,070,305, February 9, 1937, application for which, Serial No. 705,071, was filed January 3, 1934, on the ground of attempted double patenting. Upon that petition the motion to dissolve was granted and the motion to amend denied.

From that decision an appeal was taken to the Board of Appeals, and the decision of the Primary Examiner granting the motion to dissolve was affirmed, and his decision denying the motion to add the proposed 14 counts was reversed. Appellant thereupon presented an amendment to his application adding 10 of the proposed 14 claims, which are the ten counts here in issue. The interference was accordingly redeclared.

Notice was duly given under rule 154(*e*) that appellee would use as evidence official records of the Patent Office, including the file history of his application, Serial No. 705,071, filed January 3, 1934, which issued as Patent No. 2,070,305 on February 9, 1937, for the purpose of showing constructive reduction to practice of the invention defined by the counts.

Appellee contended before the Examiner of Interferences that he was the senior party by reason of the filing date of his said patent. Since he made no motion to shift the burden of proof the Examiner held that although the patent would be fully considered it did not change appellee's status as the junior party.

The record shows that appellee at the time of taking testimony was employed by the Westinghouse Electric and Manufacturing Company. In 1931 and since he was employed as assistant manager of the Appliance Engineering Department. He started to work on smaller and cheaper circuit breakers than were then being made by his company in August 1931 and continued at such work until February 1932, during which time a number of designs of circuit breakers were made up but they "were not quite what was wanted." No other work on circuit breakers was done after February 1932 until August of that year. Then the work was resumed and eventuated in a circuit breaker which is described and illustrated in three paper exhibits of appellee dated October 24, 1932. Those exhibits were received by the attorney for appellee on October 26, 1932. One of said exhibits, marked Exhibit A–3, is a sketch made by appellee, held by the Examiner to support the limitations of the counts. The testimony with respect to this exhibit was fully corroborated by appellee's attorney. Therefore, the Examiner held that appellee established a conception of the invention as of October 26, 1932.

In the early part of November 1932 a device conforming to that disclosed and described in the said three exhibits was constructed under the supervision of appellee. It was received in evidence. It appears that the device was tested, but it was found that when the operating handle was held down the switch would return to closed position after the bimetallic element had cooled. While appellee contended that the device was useful for some purpose, the Examiner stated that the circumstances indicated otherwise. He held that the device did not establish utility for free tripping or as an automatic device, and consequently determined that its testing, in view of the fact that its operation was considered faulty, did not prove such utility as was necessary to establish reduction to practice. The Examiner further rejected the tests as not being sufficient to fully establish utility in view of the testimony showing that in testing such devices they are subjected to an overload of at least 600 per cent followed by an endurance test of 6000 operations, after which the breaker is subjected to a short circuit with a current of from 3000 to 5000 amperes. It appears that the breaker of the said device was not tested in accordance with the said endurance test or the short circuit test, and accordingly the Examiner held that no reduction to practice was established by the making and testing of the device.

There was no further evidence for appellee concerning the making or testing of other devices, but his patent above referred to was introduced as evidence of a constructive reduction to practice of the involved invention as of January 3, 1934, the filing date of the application for said patent.

The Examiner held there could be no question of double patenting between the claims of appellee which are the counts herein and the claims of his patent for the reason that the latter are for a different invention than the counts in issue, and the disclosure of the patent supports the structure defined by the counts.

Appellant contended that counts 2, 6, 9, and 10 were not supported by the disclosure of the patent of appellee in that they are expressly directed to automatic return of the operating member to an "off" position following the automatic tripping or opening of the circuit, and that such structure is not disclosed in appellee's patent. The Examiner disagreed with that contention, pointing out that those counts are supported by the disclosure of the patent when the lever of the patent device which closes the circuit through the spring by the thermal responsive or bimetallic means is considered to be the operating member. The Examiner recognized a limitation contained in count 9 that

"said handle member when released after being held in closed position being automatically moved to open position by said tension spring,"

but observed that the handle member of the device of the patent, when released from the latch which held it in the "on" position even when the thermal means had interrupted the circuit, would return to open position.

The Examiner held that the patent of appellee fully supports all of the limitations of all the counts in issue and awarded appellee constructive reduction to practice of the involved invention as of January 3, 1934.

The device of appellant is an electrical circuit interrupter used as a control on a refrigerator. It appears that on October 22, 1932, appellant made a sketch for the making of a sample of an apparatus modifying one that was then in use by his company to provide means for holding electrical contacts open in the event of an overload current. The Examiner held there was no corroboration as to the making of that sketch. On November 4, 1932 appellant sent a memorandum to the manager in charge of the refrigeration department of his company and a sample of a device, said to be made from the sketch, and constructed for the purpose of holding open the contacts when resisting the overload by means of a pivoted lever. The memorandum stated that with the arrangement of a pivoted lever as in the sample device it was impossible to hold the contacts closed under any overload condition but that by reason of the size of the arc gap the design was not suitable for a direct current rating, and that the "free tripping feature" on a refrigerator control was an unnecessary complication. It further stated that since one economical solution had been worked out in accordance with the said sample no further activity in the matter would be planned. It was testified that the memorandum and sample had been received by the manager of the refrigeration department within three days after November 4, 1932, and the Examiner held that the date of making the device was properly established at least as early as November 7, 1932.

Appellant contended that that device proved a conception of the invention defined by counts 4, 5, and 6. The Examiner held that such was not the case. After having pointed out that that device was not proved to be a conception of the invention as defined in those counts, the Examiner held that, even if conception were conceded as contended for by appellant, the device had not been sufficiently tested to establish a reduction to practice. He stated that while appellant had testified he had made a test of the device such testimony was uncorroborated, and that

"The mechanic does not recall the tests made and the engineer who was there at the time was not available • • •."

The manager of the refrigeration department of appellant's company made a test of that device but only to the extent of seeing that it worked freely, and the current used was $6\frac{5}{16}$ amperes. The Examiner stated that the normal current load of the meter in connection with which appellant's device was to be used is $4\frac{1}{2}$ to 5 amperes, and therefore a test using only a slight overload current was not sufficient to establish the utility of the device, which might be required to handle an extreme overload current. The Examiner stated,

"Particularly is this so when it appears that the device had only a $\frac{1}{64}$ inch clearance between the contacts, much less than had previously been present in the overload trip devices produced by the Cutler-Hammer Company."

Therefore, the Examiner held that the utility of the device for the purpose intended had not been sufficiently established by the testimony, and accordingly the invention had not been reduced to practice.

Appellant, after having made the device hereinbefore mentioned, continued his work, and another device and drawing were made. A drawing bearing date of February 15, 1933 was held to fully support all of the subject matter of the counts, and appellant was therefore held by the Examiner to have established a conception of the invention at least as early as that date.

The record shows that devices made in accordance with appellant's conception went into production and were sold, possibly, the Examiner stated, in the latter part of 1934. Appellant contended that because of the testimony with respect to production and sale he was entitled to an actual reduction to practice at least as early as 1933. The Examiner did not agree with that contention, and stated:

• • • While it appears that in the latter part of 1934 commercial devices were sold, it is not believed that any assumptions as to the practical utility of the device at any date prior to the commercial production

and sale are warranted. Certainly it would seem that a company such as the Cutler-Hammer Company if it had made current and overload tests on the device prior to this time, would have kept some record thereof. However, no such record appears and no assumptions of utility prior to commercial sale can be indulged in. Accordingly it does not appear that Kuhn has established any reduction to practice prior to his record date of January 29, 1934.

Answering a petition for reconsideration, the Examiner stated that while the device of appellee may not be sufficiently successful to constitute an actual reduction to practice that fact did not affect the allowability of his application.

The Board of Appeals in its decision stated that appellee had applied the counts to his structure by reference character, and that appellant did not make any special application of the counts to show wherein appellee's reading of them was improper. The Board remarked that appellant had stressed, as to the reading of the counts both on the involved application of appellee and on his patent, that no free tripping circuit breaker is present in appellee's application or patent and that the counts cover such circuit breaker. It stated that appellant's definition of a

"'trip free' breaker appears to be a breaker which can be opened or closed manually and which will open automatically even though the manual means is held in closing position and will not close automatically when it has tripped,"

and quoted from the appellee's application to show that it clearly disclosed in so many words a trip free breaker. The Board stated that the counts were drawn broadly, that they should be given a broad interpretation, and when so interpreted they read upon the involved application of appellee, his device exhibit, and his patent. The Board agreed with the date of conception of the invention by appellant awarded him by the Examiner, but with respect to reduction to practice it stated that appellant in the year 1933 had made several forms of his devices and that many changes were made therein, 5 during the year 1933 and 16 during the year 1934, but that while tests were alleged to have been made it was not shown which form of the device was tested. The Board referred to an exhibit of appellant which consists of five pages entitled "Experimental Test Report." No test is shown on that exhibit in which the manually operable handle or button was held in the "on" position to determine if the contacts would open in the presence of an overload current. This, the Board stated, was admitted by appellant.

Therefore the Board held that appellant had failed to prove any actual reduction to practice prior to his filing date.

We can find no error in the decisions of the tribunals below. Appellee has proved by well-corroborated evidence his conception of the invention defined by the counts as of October 26, 1932, and even though his device exhibit be considered faulty, in our opinion it would not follow that the device disclosed by him and defined by the counts is inoperable.

Appellee in his brief before us has applied by reference character every limitation of the counts to the device disclosed in his application and that disclosed in his patent. There is no showing by appellant here that such application made by appellee is wrong or improper in any particular. The counts unquestionably read upon the involved application of appellee and upon his patent.

Appellant vigorously contends that appellee is not entitled to the filing date of his patent for the reason that the application here involved was renewed on July 7, 1938, more than two years subsequent to the original allowance on July 31, 1935 of the application for his patent. It appears that the invention of appellee's patent was for an automatically reclosing circuit breaker, whereas the involved application of appellee is for a different invention. The Board of Appeals found this to be the case in holding there was no double patenting, and this holding has not been questioned by appellant in this appeal. The renewal of the involved application filed July 7, 1938 is not a renewal of the application which matured into appellee's patent, but a renewal of his application Serial No. 712,577, which was allowed on July 7, 1937. The renewal was filed on July 7, 1938, so that the one year requirement of the former renewal statute, section 4897 R. S., was complied with.

In view of what has been said, it is not necessary to further lengthen this opinion by discussing other matters set out in the briefs or the cases which have been cited.

Appellee filed a motion suggesting a diminution of the record by adding the drawings and specification of his application for Patent No. 2,070,305 as filed, together with the notice of allowance and petition for renewal therein, and a portion of appellant's brief before the Board of Appeals on the consideration of the motions above referred to. The motion was granted subject to an order of the court that the costs of printing the additional matter requested by appellee should be taxed on final decision.

We are of opinion that the additional matter so certified to the court was unnecessary to a proper decision of the issue. Accordingly the cost of printing the same will be taxed against appellee.

The decision of the Board of Appeals is affirmed.

Affirmed.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 15, 1944

[VOL. 565. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

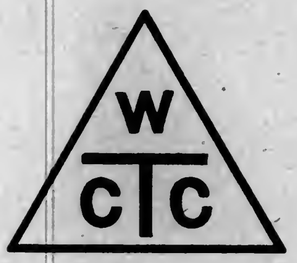
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 468,993. WAH CHANG TRADING CORPORATION, New York, N. Y. Filed Apr. 3, 1944.



Applicant is the owner of Reg. No. 182,837.

FOR ANTIMONY ORES, TUNGSTEN ORES, AND TUNGSTEN TIN ORES.

Claims use since June 1, 1920.

Ser. No. 469,944. PFISTER HYBRID CORN COMPANY, El Paso, Ill. Filed May 4, 1944.



Applicant is the owner of Reg. No. 359,165. "Lester Pfister" is a facsimile of the signature of the president of Pfister Hybrid Corn Company. The lines in the drawing represent shading only. The words "Product of Pfister Hybrid Corn Co.—Hybrids by—El Paso, Illinois" are disclaimed apart from the mark.

FOR SEED CORN.

Claims use since Mar. 31, 1944.

Ser. No. 470,318. SYLVAN PLASTICS, INC., New York, N. Y. Filed May 16, 1944.

SYLPLAST

FOR SYNTHETIC RESINS IN LIQUID, POWDERED, GRANULAR, OR PELLETIZED FORM.

Claims use since May 26, 1942.

Ser. No. 470,790. THE DICALITE COMPANY, Los Angeles, Calif. Filed May 30, 1944.

SWEET-eN

FOR EARTH MIXTURES FOR RECLAIMING WASTE SOLVENTS.

Claims use since May 12, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 469,322. MAX BERNSTEIN, doing business as Jiffy Coin Purse Co., New York, N. Y. Filed Apr. 14, 1944.

hide-away

No claim is made to the word "hide" apart from the mark.

FOR PURSES AND WALLETS.

Claims use since October 1938.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 467,979. National Oil Products Company, Harrison, N. J. Filed Mar. 4, 1944.

ACIDOLATE

FOR SKIN CLEANSER POSSESSING INCIDENTAL PROPERTIES FOR USE AS A SHAMPOO.
Claims use since June 13, 1939.

Ser. No. 468,645. Union-Baystate Co. Inc., Cambridge, Mass. Filed Mar. 24, 1944.

UBATOL

FOR PLASTICIZED POLYSTYRENE DISPERSION FOR USE IN PIGMENT FINISHES FOR LEATHER TO INCREASE FLEXIBILITY AND WATER RESISTANCE.
Claims use since Mar. 16, 1944.

Ser. No. 469,943. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Filed May 4, 1944.

PHOSPHOSIL

FOR METAL CLEANERS COMPRISING A COMPOUND OF PHOSPHORUS.
Claims use since Jan. 10, 1944.

Ser. No. 470,838. The Pepsodent Co., Chicago, Ill. Filed June 1, 1944.

IRIUM

FOR WATER SOLUBLE DETERGENT.
Claims use since Mar. 30, 1944.

Ser. No. 471,181. Campana Sales Company, Batavia, Ill. Filed June 13, 1944.

ANJOU

FOR TOILET SOAP.
Claims use since May 26, 1944.

CLASS 5

ADHESIVES

Ser. No. 470,575. Frieda L. Johnson, doing business as Johnson Products Co., New York, N. Y. Filed May 24, 1944.

Jo-Lar

FOR ADHESIVE CEMENT FOR MENDING PORCELAIN.
Claims use since Dec. 1, 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 463,874. Michigan Hair Goods Company, Detroit, Mich. Filed Oct. 4, 1943.

Nailscraft

FOR NAIL POLISH, NAIL POLISH REMOVER, CUTICLE REMOVER, NAIL CREAM, HAND CREAM, AND FACE CREAM.
Claims use since January 1938.

Ser. No. 465,016. Samuel Billik, Flushing, Long Island, N. Y. Filed Nov. 16, 1943.

NEMOW

FOR PHARMACEUTICAL PREPARATION FOR THE RELIEF OF PAIN.
Claims use since Nov. 6, 1943.

Ser. No. 466,595. George B. Smigel, Brooklyn, N. Y. Filed Jan. 14, 1944.

MICROWALL

FOR CHEMICAL PREPARATION FOR ERADICATING AND PREVENTING THE GROWTH AND DEVELOPMENT OF FUNGI AND MILDEW IN WALLS AND WOODWORK.
Claims use since Jan. 1, 1943.

Ser. No. 467,484. Henri Bendel, Inc., New York, N. Y. Filed Feb. 17, 1944. Under 10-year proviso.

Henri Bendel

FOR PERFUME, TOILET WATER, SACHET POWDER, BODY DUSTING POWDER, BATH SALTS, BATH OIL, BATH SALTS IN TABLET FORM, CLEANSING CREAM, NIGHT CREAM, NECK CREAM, FOUNDATION CREAM, SKIN LOTION, FACE POWDER, LIPSTICKS, ROUGE, A ROUGE PENCIL USED TO OUTLINE THE LIPS, BRILLIANTINE, BEAUTY CLAY, EYE POMADE, MASCARA, EYEBROW PENCILS, EYE SHADOW, AFTER SHAVING LOTION, TALCUM POWDER.
Claims use since January 1895.

Ser. No. 468,770. Alta Laboratories, Inc., Glendale, Calif. Filed Mar. 29, 1944.

Alta

FOR MEDICINAL PREPARATION FOR TREATMENT OF CELLULAR ACIDOSIS, CHRONIC TOXEMIAS AND COMPLICATIONS, AND TO NEUTRALIZE SYSTEMATIC ACID WASTES, A COMBINATION OF HYDRATED MAGNESIUM TRISILICATE AND PECTIN FOR USE IN ALIMENTARY TOXEMIAS, AND A VITAMIN PRODUCT USED AS A DIETARY SUPPLEMENT, AND THIAMIN SOL.
Claims use since Jan. 27, 1944.

Ser. No. 469,540. House of Gordon, Chicago, Ill. Filed Apr. 21, 1944.

Skipper Gordon

The surname "Gordon" is disclaimed apart from the mark.
FOR AFTER SHAVE LOTION.
Claims use since Oct. 10, 1943.

Ser. No. 469,648. Old Dutch Industrial Products Co., Inc., Kearny, N. J. Filed Apr. 25, 1944.

SUEDE ACE

Applicant disclaims the word "Suede" apart from the mark.
FOR SHOE DYES.
Claims use since October 1942.

Ser. No. 469,732. Katz Drug Company, also doing business as Chemtest Laboratories, Kansas City, Mo. Filed Apr. 27, 1944.

Septo-Loris

FOR ASTRINGENT.
Claims use since Aug. 15, 1943.

Ser. No. 469,942. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Filed May 4, 1944.

PENNSALT PM 40

Applicant is the owner of T. M. Reg. No. 392,195 for the word "Pennsalt."
FOR METAL PICKLING INHIBITORS.
Claims use since Jan. 24, 1944.

Ser. No. 470,140. Dugan Engineering Corporation, Marinette, Wis. Filed May 11, 1944.

PLUS-FIFTY

FOR DRY POWDERED CHEMICAL FIRE EXTINGUISHING COMPOSITIONS.
Claims use since Sept. 23, 1943.

Ser. No. 470,276. Maison Mendessolle, San Francisco, Calif. Filed May 15, 1944.

FONTAINEBLEAU

FOR PERFUME, FACE POWDER, TALCUM, BEAUTY CREAM, FACE LOTION, ROUGE AND LIPSTICK, AND BATH SALTS.
Claims use since Nov. 24, 1922.

Ser. No. 470,290. Allied Toiletries Distributors, Inc., New York, N. Y. Filed May 16, 1944.

Shandor

FOR PERFUMES, PERFUME EXTRACTS, TOILET WATER, FACE POWDER, TALCUM POWDER, EAU DE COLOGNE, SACHET POWDER, CLEANSING CREAM, FACE LOTION, HAND LOTION, ROUGE, LIPSTICKS, BATH SALTS.
Claims use since May 1, 1943.

Ser. No. 470,379. MAISON JEUBELLE-SEVENTEEN, INC., New York, N. Y. Filed May 18, 1944.

ENGLISH BOXWOOD

No claim is made to the word "English" apart from the mark.

FOR PERFUMES.

Claims use since Feb. 14, 1944.

Ser. No. 470,386. PINAUD INCORPORATED, New York, N. Y. Filed May 18, 1944.

FLIRTATION

FOR PERFUME, FACE POWDER, AND LIPSTICK.

Claims use since May 11, 1944.

Ser. No. 470,388. PINAUD INCORPORATED, New York, N. Y. Filed May 18, 1944.

LILIANELLE

FOR PERFUMES, FACE POWDER, AND LIPSTICK.

Claims use since May 11, 1944.

Ser. No. 470,518. SUPREWAVE CORPORATION, doing business as Bes-Tone, Ltd., New York, N. Y. Filed May 22, 1944.

SUPRECOOL

FOR LOTION AND A CONCENTRATED SOLUTION FOR USE IN COLD PERMANENT WAVING.

Claims use since Aug. 20, 1941.

Ser. No. 470,539. METALSALTS CORPORATION, Hackensack, N. J. Filed May 23, 1944.

BI-CAL

FOR COMBINATION OF BICHLORIDE OF MERCURY AND MERCUROUS CHLORIDE (CALOMEL), ESPECIALLY PREPARED FOR USE TO CONTROL BROWN PATCH AND DOLLAR SPOT ON GOLF GREENS AND LAWNS.

Claims use since May 9, 1944.

Ser. No. 470,551. SEYDEL CHEMICAL COMPANY, Jersey City, N. J. Filed May 23, 1944.

BENACOL

FOR LOCAL ANESTHETIC.

Claims use since August 1921.

Ser. No. 470,576. MICHAEL KRIEGER, doing business as Krieger Color and Chemical Co., Hollywood, Calif. Filed May 24, 1944.

"LUCIDIP"

FOR LIQUID DYE FOR COLORING PLASTIC PRODUCTS PARTICULARLY METHYLMETHACRYLATE PRODUCTS.

Claims use since Apr. 1, 1944.

Ser. No. 470,595. GEORGE FRED ALLEN, New York, N. Y. Filed May 25, 1944.



No claim is made to the words "Dogs Depart Quickly" apart from the mark.

FOR DOG AND ANIMAL REPELLENT USED TO PROTECT SHRUBBERY, PLANTS, AND TREES.

Claims use since Oct. 9, 1943.

Ser. No. 470,628. O. D. CHEMICAL CORPORATION, New York, N. Y. Filed May 25, 1944.

O.D. 30

FOR DEODORIZER FOR INDUSTRIAL, INSTITUTIONAL, AND COMMERCIAL USE.

Claims use since Mar. 24, 1944, for mark as shown; and since October 1942 for O. D. 30.

Ser. No. 470,629. O. D. CHEMICAL CORPORATION, New York, N. Y. Filed May 25, 1944.

O.D. 30

FOR DEODORIZER FOR INDUSTRIAL, INSTITUTIONAL, AND COMMERCIAL USE.

Claims use since Mar. 24, 1944, for mark as shown; and since October 1942 for O. D. 30.

Ser. No. 470,683. SEYDEL CHEMICAL COMPANY, Jersey City, N. J. Filed May 26, 1944.

BENATONE

FOR ALTERATIVE, ANTISEPTIC, FOR ORAL APPLICATION.

Claims use since January 1937.

Ser. No. 470,748. CHAIM L. SZALET, doing business as Chalette, New York, N. Y. Filed May 27, 1944.

Response

FOR PERFUMES.

Claims use since May 25, 1944.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 461,780. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Filed June 30, 1943.

TAILORED HECTO

FOR PACKS OF COATED TRANSFER SHEETS FOR TYPEWRITER MANIFOLDING AND SIMILAR WORK.

Claims use since Feb. 15, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 468,128. UNITED AIRCRAFT CORPORATION, East Hartford, Conn. Filed Mar. 9, 1944.



No claim is made to the representation of the goods or the word "Vought" alone.

FOR ADHESIVELY BONDED LAMINATED MATERIAL FOR AIRCRAFT, COMPRISING METAL SHEETS AND A LOW-DENSITY CORE.

Claims use since Jan. 6, 1944.

Ser. No. 468,278. C. P. CONCRETE EQUIPMENT CO., Los Angeles, Calif. Filed Mar. 14, 1944.

CONECO

FOR CONCRETE FORM TIES, SOFFIT HANGERS, AND SCREEDS SUPPORTS.

Claims use since Nov. 1, 1929.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 466,173. METROLOY COMPANY, Newark, N. J. Filed Dec. 29, 1943.

METROLOY

FOR TUNGSTEN RODS, TUNGSTEN POWDER, TUNGSTEN ALLOYS, AND MOLYBDENUM RODS.

Claims use since Sept. 21, 1939.

Ser. No. 469,118. ALBERT N. DAVIS, Chicago, Ill. Filed Apr. 7, 1944.

HETAMITE

FOR COMPOSITION OF MATTER GENERALLY SOLD IN THE FORM OF COMPARATIVELY SMALL IRREGULAR PIECES, GENERALLY OF A DIAMETER LESS THAN ONE-HALF INCH, WHICH PIECES ARE GENERALLY BLACK AND SHINY AND COMPRISE A METAL ALLOY, AND WHICH ARE USED IN MAKING IMITATION STONES COMMONLY KNOWN AS INTAGLIOS.

Claims use since Oct. 7, 1943.

Ser. No. 470,561. DURKEE MARINE PRODUCTS CORPORATION, Grasmere, Staten Island, N. Y. Filed May 24, 1944. Under 10-year proviso as to "Durkee."

D★M

DURKEE ★ MARINE

Applicant disclaims the word "Marine" separately from the mark.

FOR SHIP ANCHORS.

Claims use since Oct. 22, 1943; and since 1870 as to "Durkee."

Ser. No. 470,987. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Filed June 7, 1944.

HORSE HEAD

FOR INGOTS OF ZINC METAL AND ZINC BASE ALLOYS.

Claims use since 1897.

Ser. No. 470,988. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Filed June 7, 1944.



FOR INGOTS OF ZINC METAL AND ZINC BASE ALLOYS.

Claims use since 1897.

CLASS 15

OILS AND GREASES

Ser. No. 468,819. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 29, 1944.

SOVA-KOTE

No claim is made to the word "Kote" except as shown.
FOR SLUSHING OILS.
Claims use since Mar. 15, 1944.

Ser. No. 469,848. SINCLAIR REFINING COMPANY, New York, N. Y. Filed May 1, 1944.

TRUKUT

FOR CUTTING OILS.
Claims use since Mar. 9, 1944.

Ser. No. 471,098. QUAKER STATE OIL REFINING CORPORATION, Oil City, Pa. Filed June 9, 1944.

PENN SEAL

Applicant is the owner of trade-mark registration No. 216,661. No claim is made to the word "Penn" apart from the mark.
FOR MOTOR LUBRICATING OILS.
Claims use since Feb. 12, 1924.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 470,377. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y. Filed May 18, 1944.

KEL-X-L

FOR VEGETABLE DRYING OIL USEFUL IN PAINTS, VARNISHES, AND ENAMELS.
Claims use since April 1944.

Ser. No. 471,103. SAPOLIN CO. INC., New York, N. Y. Filed June 9, 1944.



FOR ENAMEL PAINT.
Claims use since May 15, 1944.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 466,146. JOSE MARIA FERNANDEZ CASTILLO, Habana, Cuba. Filed Dec. 29, 1943.



The term "Habana" is disclaimed apart from the mark.
FOR CIGARS.
Claims use since Dec. 13, 1938.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 449,414. FLEETWINGS, INCORPORATED, Bristol, Pa., assignor, by mesne assignments, to Reconstruction Finance Corporation, a corporation of the United States. Filed Dec. 12, 1941.

FLEETWINGS

FOR AIRPLANES AND STRUCTURAL PARTS OF AIRPLANES.
Claims use since 1933.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 468,858. JAMES S. WHITE, doing business as Bonded Brands, Chicago, Ill. Filed Mar. 30, 1944.

HED-MITS

The word "Hed" is disclaimed apart from the mark.
FOR GOLF CLUB HEAD COVERS.
Claims use since Dec. 6, 1943.

Ser. No. 468,908. THOMPSON ENGINEERING & MACHINE COMPANY, Youngstown, Ohio. Filed Mar. 31, 1944.

"Tom-Toy"

The word "Toy" is disclaimed apart from the mark.
FOR TOY TRAINS, TOY TRUCKS, TOY ARMY TRUCKS, AND TOY FIELD GUNS, ALL FORMED OF WOOD.
Claims use since Aug. 1, 1943.

Ser. No. 469,556. SELWYN R. BLACKSTONE, doing business as Blackstone Coin Packer Company, Madison, Wis. Filed Apr. 22, 1944.

Flambeau

FOR FISHING FLOATS, FISHING HOOK EXTRACTORS, FISHERMEN'S MOSQUITO HATS, FISHING LINE HOLDERS.
Claims use since Mar. 23, 1944.

Ser. No. 470,564. DURKEE MARINE PRODUCTS CORPORATION, Grasmere, Staten Island, N. Y. Filed May 24, 1944. Under 10-year proviso as to "Durkee".

D★M

DURKEE ★ MARINE

Applicant disclaims the word "Marine" separately from the mark.
FOR FLY RODS FOR FLY FISHING, SHARK HOOKS, EEL SPEARS, HARPOONS, DART SHAFTS, SWORD FISH GAFFS, FISHING NET HOOPS, DIP NET BOWS, TRAWL ROLLERS, NET LEADS, AND LEAD SINKERS.
Claims use since Oct. 22, 1943; and since 1870 as to the name "Durkee".

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 453,517. OLIVER UNITED FILTERS INCORPORATED, Oakland, Calif. Filed June 6, 1942.

OLIVEX

FOR PLASTIC PUMP PARTS AND FITTINGS.
Claims use since Apr. 15, 1942.

Ser. No. 461,813. CONTINENTAL CAN COMPANY, INC., New York, N. Y. Filed July 2, 1943.

DIXIE

DIXIE CANNER CO

No claim is made to the words "Canner Co." apart from the mark.
FOR CAN SEALERS SUITABLE FOR ATTACHMENT TO BENCHES, TABLES AND THE LIKE.
Claims use since 1924.

Ser. No. 465,419. ECLIPSE AIR BRUSH CO., Newark, N. J. Filed Dec. 1, 1943.

ECLIPSE G-6

FOR SPRAY GUNS.
Claims use since Oct. 16, 1933.

Ser. No. 465,420. ECLIPSE AIR BRUSH CO., Newark, N. J. Filed Dec. 1, 1943.

ECLIPSE GAT

FOR SPRAY GUNS.
Claims use since Sept. 6, 1938.

Ser. No. 466,003. BURNDY ENGINEERING COMPANY, INC., New York, N. Y. Filed Dec. 23, 1943.

HYTOOL

FOR CONNECTOR INDENTING PRESSURE PLIERS.
Claims use since July 1942.

Ser. No. 470,329. CHAMPION DISH WASHING MACHINE CO., Erie, Pa. Filed May 17, 1944.



FOR VEGETABLE PARING MACHINES.
Claims use since May 1, 1944.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 461,437. THE GRUEN WATCH COMPANY, Cincinnati and Time Hill, Cincinnati, Ohio. Filed June 16, 1943.

PAN AMERICAN AIRWAYS

No claim is made to the phrase "Pan American" apart from the mark.
FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since June 4, 1943.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 469,416. E. SINGER, New York, N. Y. Filed Apr. 17, 1944.



FOR JEWELRY OF STERLING SILVER OR GOLD FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES.
Claims use since Feb. 4, 1944.

Ser. No. 469,562. A. EDWARD FISHER & CO., INC., New York, N. Y. Filed Apr. 22, 1944.

Lovebright

FOR DIAMOND RINGS.
Claims use since Dec. 1, 1943.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 469,744. AIR FILTER SERVICE CORP., Chicago, Ill. Filed Apr. 28, 1944.

AIRZITE

FOR CELL TYPE AIR FILTERS.
Claims use since Mar. 5, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 457,444. NACHMAN SPRING-FILLED CORPORATION, Chicago, Ill., now by change of name Nachman Corporation. Filed Dec. 16. 1942.

CURVIFLEX

FOR SPRING UNITS AND SUPPORTS FOR SEAT CUSHIONS OF SEATING FURNITURE AND FOR UPHOLSTERED FURNITURE.
Claims use since Dec. 4, 1942.

CLASS 33

GLASSWARE

Ser. No. 462,056. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed July 13, 1943.

HERCULITE

FOR TEMPERED AND SEMI-TEMPERED SHEET GLASS.
Claims use since October 1934.

Ser. No. 462,057. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed July 13, 1943.



The drawing is lined for red.
FOR TEMPERED AND SEMI-TEMPERED SHEET GLASS.
Claims use since October 1934.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 464,161. IRVING ENTIN, New York, N. Y. Filed Oct. 15, 1943.

Betsy Ross

The mark comprises the name of Betsy Ross, deceased, celebrated maker of the first United States flag.
FOR GAS RANGES, GAS HEATERS, GAS HOT PLATES, COAL RANGES, COAL CIRCULATING AND WATER HEATERS, OIL RANGES, OIL COOK STOVES, AND OIL SPACE HEATERS.
Claims use since Aug. 6, 1943.

Ser. No. 469,110. H. A. ASTLETT & CO., New York, N. Y. Filed Apr. 7, 1944.

ASTLAMAR

FOR OIL STOVES AND RANGES AND GAS STOVES AND RANGES.
Claims use since December 1943.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 471,591. DECCA RECORDS, INC., New York, N. Y. Filed June 24, 1944.

ANIMATED BOOK

FOR PHONOGRAPH RECORDS.
Claims use since November 1939.

Ser. No. 471,592. DECCA RECORDS, INC., New York, N. Y. Filed June 24, 1944.

SINGING BOOK

FOR PHONOGRAPH RECORDS.
Claims use since November 1939.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 467,688. DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed Feb. 23, 1944.

A DELL BOOK

The word "Book" is disclaimed except as shown.
FOR SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME.
Claims use since Jan. 28, 1944.

Ser. No. 467,689. DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed Feb. 23, 1944.

A DELL MYSTERY

No claim is made to the word "Mystery" except as shown.
FOR SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME.
Claims use since Jan. 21, 1943.

Ser. No. 467,690. DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed Feb. 23, 1944.

A DELL ROMANCE

No claim is made to the word "Romance" except as shown.
FOR SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME.
Claims use since Aug. 8, 1943.

Ser. No. 467,691. DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed Feb. 23, 1944.

A DELL WAR BOOK

The words "War Book" are disclaimed except as shown.
FOR SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME.
Claims use since Nov. 18, 1943.

Ser. No. 467,801. JASON G. CLARK, Norwich, Conn. Filed Feb. 28, 1944.



FOR MAGAZINE AND CIRCULARS PUBLISHED FROM TIME TO TIME.
Claims use since Jan. 1, 1944.

Ser. No. 470,646. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed May 26, 1944.

Private Wire

FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since May 6, 1944.

Ser. No. 470,647. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed May 26, 1944.

Private Wire

FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since May 6, 1944.

Ser. No. 470,648. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed May 26, 1944.

THE BRAKE SHOE

Private Wire

FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since May 6, 1944.

Ser. No. 470,813. DR. WILLIAM J. FETZER, San Antonio, Tex. Filed May 31, 1944.



FOR NEWSPAPER OR PERIODICAL FEATURE PUBLISHED FROM TIME TO TIME.
Claims use since Jan. 5, 1944.

Ser. No. 470,874. AMERICAN EDUCATION PRESS, INC., Columbus, Ohio. Filed June 3, 1944.

JUNIOR TOWN MEETING

FOR SECTIONAL FEATURE IN A PERIODICAL PUBLICATION.
Claims use since Feb. 15, 1944.

CLASS 39

CLOTHING

Ser. No. 469,882. ARTHUR WOLFF, doing business as Arthur Wolff Company, New York, N. Y. Filed May 2, 1944.

ANDOR

FOR MEN'S, BOYS' AND WOMEN'S PAJAMAS, AND MEN'S AND BOYS' OUTER SHIRTS.
Claims use since Apr. 26, 1944.

Ser. No. 470,509. NEW ENGLAND MACKINTOSH CO., INC., Framingham, Mass. Filed May 22, 1944.

Namco

FOR INFANTS', CHILDREN'S, AND MISSES' SKI SUITS; MEN'S AND WOMEN'S RAINCOATS AND SPORT SUITS.
Claims use since Mar. 30, 1944.

Ser. No. 470,793. BEN FLIGEL CO., New York, N. Y. Filed May 30, 1944.

BEST FELLOW

Applicant disclaims the word "Best" apart from the mark.
FOR SPORT SHIRTS AND SPORT JACKETS.
Claims use since Mar. 15, 1944.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 465,875. JAMES NELSON, LTD., Bradford, England. Filed Dec. 18, 1943.

Nelvo

FOR BINDINGS, BRAIDS, GALLOONS, TAPE, TRIMMINGS AND BOOT AND CORSET LACES.
Claims use since Apr. 9, 1919.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 470,695. BERNARD APPEL, INC., Boston, Mass. Filed May 27, 1944.

SEABREEZE

FOR TEXTILE FABRICS IN THE PIECE OF RAYON, COTTON, PROTEIN FIBRES AND COMBINATIONS THEREOF.
Claims use since May 1, 1941.

Ser. No. 470,803. MAYFLOWER DRESS CO., INC., New York, N. Y. Filed May 30, 1944.

Cotton Symphony

The word "Cotton" is disclaimed apart from the mark
FOR COTTON FABRICS IN THE PIECE.
Claims use since May 7, 1940.

Ser. No. 470,846. CALLAWAY MILLS, La Grange, Ga. Filed June 2, 1944.

POMPOM

FOR BATH RUGS, MATS, AND SEAT COVERS.
Claims use since Mar. 9, 1944.

Ser. No. 470,959. CANTOR GREENSPAN CO., INC., New York, N. Y. Filed June 7, 1944.

JIMINY

FOR SPUN RAYON CLOTH.
Claims use since May 2, 1944.

CLASS 43

THREAD AND YARN

Ser. No. 471,652. AMERICAN ENKA CORPORATION, Enka, N. C. Filed June 26, 1944.

ENKA

FOR RAYON YARNS.
Claims use since Jan. 1, 1920.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 468,158. PICKER X-RAY CORPORATION, New York, N. Y. Filed Mar. 10, 1944.

Rayprene

FOR APRONS, GLOVES, AND SHEETS OF LEAD-BEARING RUBBER, NATURAL OR SYNTHETIC, USED FOR BODY PROTECTION AGAINST X-RAYS.
Claims use since January 1944.

Ser. No. 468,897. WILLIAM M. MUCHOW, Chicago, Ill. Filed Mar. 31, 1944.

Floss

FOR INSTRUMENT FOR HOLDING DENTAL FLOSS FOR CLEANING BETWEEN THE TEETH OF HUMANS.
Claims use since May 1, 1916.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 471,843. MARGARET L. KNOWLES, La Grange, Ill. Filed July 1, 1944.

pal

FOR FRUIT FLAVORED NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND CONCENTRATES FOR MAKING THE SAME.
Claims use since June 29, 1944.

Ser. No. 471,844. MARGARET L. KNOWLES, La Grange, Ill. Filed July 1, 1944.

PALade

FOR FRUIT FLAVORED NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND CONCENTRATES FOR MAKING THE SAME.
Claims use since June 29, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 424,255. HERBERT K. CLOFINE, Philadelphia, Pa Filed Oct. 6, 1939.

SUPREME BRAND

The word "Brand" is disclaimed apart from the mark.
FOR ANIMAL FEED SUPPLEMENT—NAMELY, DRIED SKIM MILK, DRIED BUTTERMILK, CONDENSED SKIM MILK, AND CONDENSED BUTTERMILK.
Claims use since Jan. 1, 1932.

Ser. No. 465,390. GOODWIN PRESERVING CO., Louisville Ky. Filed Nov. 30, 1943.

OB

FOR PRESERVED FRUITS, FRUIT PRESERVES AND JELLIES, APPLE BUTTER, AND ORANGE MARMALADE.
Claims use since Jan. 18, 1903.

Ser. No. 467,089. CONSOLIDATED DAIRY PRODUCTS COMPANY, INC., New York, N. Y., assignor to Breyer Ice Cream Company, Inc., New York, N. Y., a corporation of New York. Filed Feb. 2, 1944.

GOLDEN PAGODA

The applicant is the present owner of registration No. 376,197.
FOR FROZEN COOKED VEGETABLE STEW USED IN THE PREPARATION OF CHOW MEIN OR CHOP SUEY.
Claims use since Jan. 6, 1944.

Ser. No. 468,596. CONTINENTAL COFFEE COMPANY, Chicago, Ill. Filed Mar. 24, 1944.

HAF-PAK

No claim is made to the word "Pak" alone.
FOR COFFEE.
Claims use since Mar. 10, 1943.

Ser. No. 469,154. GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Apr. 8, 1944.

SANO-DESSERT

Applicant is the owner of registration No. 406,877, registered May 2, 1944. No claim is made to the word "Dessert" apart from the mark.
FOR DESSERT POWDER.
Claims use since Nov. 23, 1942.

Ser. No. 469,269. CLAIRE MEYERS, doing business as Calatina Citrus Co., Anaheim, Calif. Filed April 12, 1944.

Calatina Citrus Co.

No claim is made to the words "Citrus Co." apart from the mark.
FOR CITRUS JUICES FOR FOOD PURPOSES.
Claims use since March 1941.

Ser. No. 470,441. CUMBERLAND DAIRY PRODUCTS CO., INC., Brooklyn, N. Y. Filed May 20, 1944.

FONTELLE SPREAD

The word "Spread" is disclaimed apart from the mark.
FOR CHEESE FOOD SPREADS.
Claims use since Apr. 26, 1944.

Ser. No. 470,859. MCLEOD & MOORE, Phoenix, Ariz. Filed June 2, 1944.



The picture of the soldier is fanciful.
FOR FRESH VEGETABLES.
Claims use since Nov. 20, 1943.

Ser. No. 471,351. LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed June 17, 1944.

FRUTELO

FOR CANNED FRUITS.
Claims use since June 9, 1944.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 469,336. HOPE AND ANCHOR BREWERIES LIMITED, Sheffield, England. Filed Apr. 14, 1944.

VI-BEER

No claim is made to the word "Beer" apart from the mark.
FOR BEER.
Claims use since November 1930.

Ser. No. 469,337. HOPE AND ANCHOR BREWERIES LIMITED, Sheffield, England. Filed Apr. 14, 1944.

"VI-LAGER"

No claim is made to the word "Lager" apart from the mark.
FOR LAGER BEER.
Claims use since November 1930.

Ser. No. 469,338. HOPE AND ANCHOR BREWERIES LIMITED, Sheffield, England. Filed Apr. 14, 1944.

VI-STOUT

No claim is made to the word "Stout" apart from the mark.
FOR STOUT.
Claims use since November 1930.

Ser. No. 470,264. GRIESEDIECK WESTERN BREWERY COMPANY, Belleville, Ill. Filed May 15, 1944.

Old Scenter

The word "Old" is disclaimed apart from the mark.
FOR BEER.
Claims use since Apr. 11, 1944.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 464,713. INDALECIO NUNEZ, Guadalajara, Mexico. Filed Nov. 4, 1943.

El Viejito

FOR TEQUILA.
Claims use since Apr. 16, 1937.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 463,354. LINCOLN MANUFACTURING COMPANY, New Brunswick, N. J. Filed Sept. 11, 1943.

FEATHER - SLIP

The word "Feather" is disclaimed apart from the mark.
FOR TURKEY BITS FOR THE PREVENTION OF FEATHER PICKING AMONG TURKEYS.
Claims use since July 1940.

Ser. No. 470,658. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 26, 1944.

GOODYEAR

FOR PRINTERS' SUPPLIES MADE OF RUBBER, AND RUBBER AND FABRIC—NAMELY, NEWSPAPER PRESS BLANKETS, FELT BLANKETS, NEWSPAPER CUTTING RUBBERS, LITHOGRAPH OFFSET BLANKETS, LITHOGRAPH PRESS BLANKETS, DRAWSHEETS, AND TOP BLANKETS.
Claims use since January 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 15, 1944

408,453. WHISKEY, GIN, RUM, BRANDY, ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed February 2, 1940. Serial No. 428,152. PUBLISHED MAY 9, 1944. Class 49.

408,454. POLISH FOR SILVERWARE, CHROMIUM, MIRRORS, WINDSHIELDS, NICKEL, WINDOWS, AND FOR SIMILAR USES. LOIS I. SMITH, Klamath Falls, Oreg.
Filed June 4, 1941. Serial No. 444,204. PUBLISHED MAY 30, 1944. Class 4.

408,455. MUSICAL STRING INSTRUMENTS OF THE BOW TYPE—NAMELY, VIOLINS, VIOLAS, CELLOS, BASES, ETC. BARTH-FEINBERG, INC., New York, N. Y.
Filed August 4, 1941. Serial No. 445,912. PUBLISHED JUNE 6, 1944. Class 36.

408,456. WATERING CUPS, WATERING PANS, AND FEEDERS. JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis.
Filed April 20, 1942. Serial No. 452,447. PUBLISHED JUNE 6, 1944. Class 50.

408,457. LIVE CENTER TOOL. MARVEL TOOL AND MACHINE CO., Ecorse, Mich.
Filed July 10, 1942. Serial No. 454,143. PUBLISHED MAY 23, 1944. Class 23.

408,458. COIFFURE COMBS AND HAT FASTENERS. DIADEM, INC., Leominster, Mass.
Filed September 2, 1942. Serial No. 455,257. PUBLISHED MAY 23, 1944. Class 40.

408,459. COIFFURE COMBS AND HAT FASTENERS. DIADEM, INC., Leominster, Mass.
Filed September 2, 1942. Serial No. 455,258. PUBLISHED MAY 23, 1944. Class 40.

408,460. KNOCK-DOWN TOY FURNITURE MADE FROM PAPER AND CARDBOARD. NATIONAL PAPER BOX CO. INC., West Springfield, Mass.
Filed March 15, 1943. Serial No. 459,125. PUBLISHED JUNE 6, 1944. Class 22.

408,461. FOLDABLE COMBINATION SEAT TABLES. PAUL E. BRANDWEN, doing business as Paul E. Brandwen Mfg. Co., Scranton, Pa.
Filed March 27, 1943. Serial No. 459,395. PUBLISHED JUNE 6, 1944. Class 32.

408,462. PIECE GOODS—NAMELY, WOOLEN SUMMER SUITING. WAWAK COMPANY INC., Chicago, Ill.
Filed April 3, 1943. Serial No. 459,611. PUBLISHED MAY 30, 1944. Class 42.

408,463. FLOWER POTS MADE OF CONCRETE, PAPIER-MÂCHÉ, SYNTHETIC MATERIALS, BITUMINOUS SHEETS, IMPREGNATED SHEET MATERIALS OR ROOFING SCRAP. ALBERT C. FISCHER, doing business as Servicised Products Company, Chicago, Ill.
Filed April 16, 1943. Serial No. 459,925. PUBLISHED JUNE 6, 1944. Class 2.

408,464. LEG TINTING OR MAKE-UP COSMETIC. TONE LABORATORIES, INC., New York, N. Y.
Filed May 7, 1943. Serial No. 460,483. PUBLISHED AUGUST 3, 1943. Class 6.

408,465. LEG TINTING OR MAKE-UP COSMETIC. TONE LABORATORIES, INC., New York, N. Y.
Filed May 7, 1943. Serial No. 460,484. PUBLISHED AUGUST 3, 1943. Class 6.

408,466. STEEL FUEL OIL TANKS. KING BROTHERS, INC., Portland, Oreg.
Filed May 18, 1943. Serial No. 460,703. PUBLISHED JUNE 6, 1944. Class 2.

408,467. HYDRAULIC PUMP AND RAM UNITS AND VISES. BRUCON COMPANY, San Francisco, Calif.
Filed July 6, 1943. Serial No. 461,887. PUBLISHED MAY 23, 1944. Class 23.

408,468. VOLTAGE REGULATORS. ELECTRIC MACHINERY MFG. COMPANY, Minneapolis, Minn.
Filed July 24, 1943. Serial No. 462,279. PUBLISHED NOVEMBER 16, 1943. Class 21.

408,469. A POWDER FOR CLEANING AND SCOURING PURPOSES. BRAY CHEMICAL CO., INC., Chicago, Ill.
Filed August 21, 1943. Serial No. 462,901. PUBLISHED DECEMBER 7, 1943. Class 4.

408,470. CLEANING, SCOURING, AND POLISHING COMPOUND. BRAY CHEMICAL CO., INC., Chicago, Ill.
Filed August 21, 1943. Serial No. 462,902. PUBLISHED JUNE 6, 1944. Class 4.

408,471. PERFUMES, TOILET WATER, COLD CREAM, FACE POWDER, LIPSTICK, AND BOUGE. ROSAL LABORATORIES LIMITED, Miami, Fla., and Philadelphia, Pa.
Filed September 4, 1943. Serial No. 463,236. PUBLISHED MAY 30, 1944. Class 6.

408,472. SULPHONATED SYNTHETIC DETERGENTS FOR ALL-PURPOSE CLEANING. K. P. CHEMICAL CO., Stamford, Conn.
Filed September 14, 1943. Serial No. 463,397. PUBLISHED JUNE 6, 1944. Class 4.

408,473. PROTECTIVE COATING AND EMOLLIENT HAVING A VANISHING CREAM BASE USED EXCLUSIVELY ON THE SKIN TO KEEP THE SKIN FREE FROM DIRT, GREASE, AND GRIME. EMANUEL TUGEND, doing business as Filmon Company, Buffalo, N. Y.
Filed September 17, 1943. Serial No. 463,469. PUBLISHED DECEMBER 28, 1943. Class 6.

408,474. POCKET KNIVES AND ELECTRIC RAZORS. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo.
Filed September 18, 1943. Serial No. 463,479. PUBLISHED MAY 16, 1944. Class 23.

408,475. DRYING-UP AND ABSORBENT MINERAL COMPOUND FOR DRYING UP OILS, AND USED AS AN ANTI-SLIP OIL ABSORBENT AND AS SWEEPING COMPOUND. R. R. HULSH, doing business as Nabs-Oyle Co., Chicago, Ill.
Filed September 20, 1943. Serial No. 463,517. PUBLISHED JUNE 6, 1944. Class 4.

408,476. TOILET CREAMS AND PERFUME. MARIA DANICA LABORATORIES CORPORATION, New York, N. Y.
Filed September 28, 1943. Serial No. 463,728. PUBLISHED JANUARY 4, 1944. Class 6.

408,477. LAXATIVES. HERMAN BERGER, doing business as Standard Pharmaceutical Co., New York, N. Y.
Filed October 6, 1943. Serial No. 463,923. PUBLISHED MAY 30, 1944. Class 6.

408,478. PIPELINE VALVES OF THE TYPE USED IN CONTROLLING THE FLOW OF FLUIDS. HENRY VALVE COMPANY, Chicago, Ill.
Filed October 22, 1943. Serial No. 464,340. PUBLISHED JUNE 6, 1944. Class 13.

408,479. PLAQUES WHICH PLAQUES ARE FOR DISPLAY PURPOSES WITH CERTAIN INSIGNIA THEREON RELATIVE TO MEN IN SERVICE AND WHICH HAVE A PLACE THEREON TO PROVIDE INDIVIDUAL NAMES OF THOSE IN SERVICE. THE SAME TO BE ADDED AND MODIFIED FROM TIME TO TIME AS CHANGES OCCUR. NATIONAL RONZITE INDUSTRIES, Chicago, Ill.
Filed October 23, 1943. Serial No. 464,370. PUBLISHED JUNE 6, 1944. Class 50.

408,480. THREAD PROTECTORS FOR PIPE; METAL PROTECTORS FOR OIL WELL SUCKER RODS; VALVE PLUGS, AND RANGE BOILER PROTECTOR PLUGS. ERNEST W. KRAUSE, doing business as Krause Stamping Company, Wheeling, W. Va.
Filed October 29, 1943. Serial No. 464,510. PUBLISHED JUNE 6, 1944. Class 13.

408,481. GAMES CONSISTING OF A DIAL WITH NUMBERS THEREON, AND A ROTATABLE HAND, AND CARDS EACH HAVING SOME OF THE NUMBERS CORRESPONDING WITH THE NUMBERS ON THE DIAL. ERNEST V. STIPP, Waterloo, Iowa.
Filed November 1, 1943. Serial No. 464,592. PUBLISHED JUNE 6, 1944. Class 22.

408,482. CLEANING, CLEANSING, AND DETERGENT MATERIAL, PARTICULARLY ADAPTED FOR CLEANING RECEPTACLES OR ARTICLES FOR HOLDING AND CONTACTING FOODS, BOTH SOLID AND LIQUID. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed November 8, 1943. Serial No. 464,843. PUBLISHED JUNE 6, 1944. Class 4.

408,483. BUBBLE MAKING DEVICES COMPRISING A HANDLE SECURED TO FILM FORMING MEMBERS AND BUBBLE-BLOWING PIPES AND BUBBLE-BLOWING TUBES. CHARLES H. HAGOPIAN, doing business under the name of C. H. Hagopian Co., New York, N. Y.
Filed November 11, 1943. Serial No. 464,920. PUBLISHED JUNE 6, 1944. Class 22.

408,484. REVERSE TUCK FOLDING CARDBOARD CARTONS OF VARIOUS SIZES. A. E. MACADAM & Co., INC., Brooklyn, N. Y.
Filed November 13, 1943. Serial No. 464,975. PUBLISHED JUNE 6, 1944. Class 2.

408,485. COSMETIC ASH CONSISTING OF A MINED CLAY, DRIED AND PULVERIZED TO BE MIXED WITH A GIVEN QUANTITY OF WATER AND THEN APPLIED AS A FACIAL MASQUE FOR TREATMENT OF THE SKIN. FURMAN WILLIAMS, Canadian, Tex.
Filed November 26, 1943. Serial No. 465,330. PUBLISHED MAY 30, 1944. Class 6.

408,486. COMPOSITION CONTAINING WHEY, SOYA AND BUTTERMILK SOLIDS SOLD IN DRIED FORM FOR USE IN BAKERY PRODUCTS AND MEAT BINDERS. MARWYN DAIRY PRODUCTS CORPORATION, Chicago, Ill.
Filed December 27, 1943. Serial No. 466,094. PUBLISHED JUNE 6, 1944. Class 46.

408,487. BAND SAWS. THE DOALL COMPANY (A division of Wilkie Enterprises, a Co-Partnership), Des Plaines, Ill.
Filed December 29, 1943. Serial No. 466,149. PUBLISHED MAY 30, 1944. Class 23.

408,488. CLEANER FOR VENETIAN BLINDS, WOODWORK, PAINTED FURNITURE, REFRIGERATORS, ENAMELED STOVES AND OTHER ENAMELED SURFACES. J N T MFG. COMPANY INC., New York, N. Y.
Filed December 29, 1943. Serial No. 466,160. PUBLISHED MAY 30, 1944. Class 4.

408,489. PREPARATION FOR REMOVING STAINS AND HEAT RINGS FROM VARNISH, LACQUER, SHELLAC, AND METAL SURFACES. J N T MFG. COMPANY INC., New York, N. Y.
Filed December 29, 1943. Serial No. 466,166. PUBLISHED MAY 30, 1944. Class 4.

408,490. STARCH USED FOR FOODS, PARTICULARLY A FLOUR DILUENT. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed January 4, 1944. Serial No. 466,302. PUBLISHED JUNE 6, 1944. Class 46.

408,491. GAS FURNACES. L. J. MUELLER FURNACE COMPANY, Milwaukee, Wis.
Filed January 5, 1944. Serial No. 466,332. PUBLISHED JUNE 6, 1944. Class 34.

408,492. PLASTIC ELECTRICAL CIRCUIT ELEMENTS—NAMELY, PLUGS AND CABLE ELEMENTS. NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md.
Filed January 6, 1944. Serial No. 466,355. PUBLISHED JUNE 6, 1944. Class 21.

408,493. FRUIT JAM. MAX AMS, INC., New York, N. Y.
Filed January 7, 1944. Serial No. 466,374. PUBLISHED JUNE 6, 1944. Class 46.

408,494. WHISKEY, GIN, BRANDY, RUM, AND ALCOHOLIC CORDIALS. THE GIBSON DISTILLING COMPANY, New York, N. Y.
Filed January 7, 1944. Serial No. 466,377. PUBLISHED MAY 2, 1944. Class 49.

408,495. CHEMICAL PASTE WHICH IS COMPLETELY DISSOLVED IN WATER AND USED AS A LIQUID SOLUTION FOR SUCH PURPOSES AS WASHING LAUNDRY, WASHING DOGS; REMOVING IODINE STAINS, ETC., SAID GOODS BEING COMPLETELY NON-ABRASIVE. BRICO CORPORATION, New York, N. Y.
Filed January 13, 1944. Serial No. 466,524. PUBLISHED MAY 30, 1944. Class 4.

408,496. WINES. ANTONIO ANTONACCI, doing business as Antonacci Wine Company, Hoboken, N. J.
Filed January 24, 1944. Serial No. 466,819. PUBLISHED MAY 9, 1944. Class 47.

408,497. FRUIT CHUTNEY. SHIVA FOOD PRODUCTS CO., New York, N. Y.
Filed January 25, 1944. Serial No. 466,864. PUBLISHED JUNE 6, 1944. Class 46.

408,498. SHIELDING CONDUIT FITTINGS FOR ELECTRICAL WIRING—NAMELY, FLEXIBLE CONDUIT FERRULES, RIGID CONDUIT FERRULES, ETC. UNION AIRCRAFT PRODUCTS CORPORATION, New York, N. Y.
Filed January 28, 1944. Serial No. 466,960. PUBLISHED JUNE 6, 1944. Class 21.

408,499. SHIELDING CONDUIT FITTINGS FOR ELECTRICAL WIRING—NAMELY, FLEXIBLE CONDUIT FERRULES, RIGID CONDUIT FERRULES, ETC. UNION AIRCRAFT PRODUCTS CORPORATION, New York, N. Y.
Filed January 28, 1944. Serial No. 466,961. PUBLISHED JUNE 6, 1944. Class 21.

408,500. SHIELDING CONDUIT FITTINGS FOR ELECTRICAL WIRING—NAMELY, FLEXIBLE CONDUIT FERRULES, RIGID CONDUIT FERRULES, ETC. UNION AIRCRAFT PRODUCTS CORPORATION, New York, N. Y.
Filed January 28, 1944. Serial No. 466,962. PUBLISHED JUNE 6, 1944. Class 21.

408,501. SHIELDING CONDUIT FITTINGS FOR ELECTRICAL WIRING—NAMELY, FLEXIBLE CONDUIT FERRULES, RIGID CONDUIT FERRULES, ETC. UNION AIRCRAFT PRODUCTS CORPORATION, New York, N. Y.
Filed January 28, 1944. Serial No. 466,963. PUBLISHED JUNE 6, 1944. Class 21.

408,502. SOUND DAMPING LAMINATED IMPREGNATED PAPER FOR SHEET METAL WALLS, VEHICLE BODIES, AND THE LIKE. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed January 28, 1944. Serial No. 466,964. PUBLISHED JUNE 6, 1944. Class 12.

408,503. AIRPLANES AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Buffalo, N. Y.
Filed January 31, 1944. Serial No. 467,013. PUBLISHED JUNE 6, 1944. Class 19.

408,504. BRANDY. SCHENLEY DISTRIBUTORS, INC., New York, N. Y.
Filed February 1, 1944. Serial No. 467,076. PUBLISHED APRIL 18, 1944. Class 49.

408,505. LINIMENT FOR LEG CRAMPS AND BUNIONS. JOE J. WILLETTE AND ELIZABETH A. WILLETTE, North Ellsworth, Maine.
Filed February 3, 1944. Serial No. 467,141. PUBLISHED MAY 30, 1944. Class 6.

408,506. TOILET BOWL CLEANSING POWDER. BRAY CHEMICAL CO., INC., Chicago, Ill.
Filed March 6, 1944. Serial No. 467,183. PUBLISHED JUNE 6, 1944. Class 4.

408,507. CLEANSING POWDER. BRAY CHEMICAL CO., INC., Chicago, Ill.
Filed March 6, 1944. Serial No. 467,182. PUBLISHED JUNE 6, 1944. Class 4.

408,508. SAIL BOATS, WITH OR WITHOUT AUXILIARY POWER, AND SAILS THEREFOR. DONALD B. ABBOTT, Mamaroneck, N. Y.
Filed February 7, 1944. Serial No. 467,216. PUBLISHED JUNE 6, 1944. Class 19.

408,509. METALLURGICAL CUPOLAS. MEEHANITE METAL CORPORATION, New Rochelle, N. Y.
Filed February 8, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 467,284. PUBLISHED JUNE 6, 1944. Class 34.

408,510. FISHING LURES. THE WEEDEL BAIT CO., Cincinnati, Ohio.
Filed February 10, 1944. Serial No. 467,329. PUBLISHED APRIL 18, 1944. Class 22.

408,511. STATIONARY AND PICK-UP BALERS FOR BALING AGRICULTURAL PRODUCTS AND PARTS THEREOF. OLIVER FARM EQUIPMENT COMPANY, Chicago, Ill.
Filed February 11, 1944. Serial No. 467,357. PUBLISHED MAY 23, 1944. Class 23.

408,512. PIECE GOODS OF RAYON OR COTTON AND/OR COMBINATIONS THEREOF. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed February 12, 1944. Serial No. 467,382. PUBLISHED MAY 16, 1944. Class 42.

408,513. CHEMICAL CATALYST FOR COMBINATION WITH CHEMICALS IN ACADEMIC DEMONSTRATIONS PRODUCING COLORED CHEMILUMINESCENCE, OR, IN OTHER WORDS, AN ORGANO METALLIC COMPLEX COMPOUND CONTAINING NITROGEN. THE VARNITON COMPANY, Los Angeles, Calif.
Filed February 14, 1944. Serial No. 467,417. PUBLISHED MAY 30, 1944. Class 6.

408,514. SKIN EMOLLIENT. EDWARD T. CURRAN, doing business as Borea, Brooklyn, N. Y.
Filed February 16, 1944. Serial No. 467,446. PUBLISHED MAY 30, 1944. Class 6.

408,515. TOY GUN BELTS AND HOLSTERS. LOUIS ZAKARIN, doing business as Tailor Made Belt Co., New York, N. Y.
Filed February 17, 1944. Serial No. 467,507. PUBLISHED JUNE 6, 1944. Class 22.

408,516. SHELLAC APPLYING BRUSHES AND SHELLAC APPLYING MOPS. MAX SINCLAIR, Los Angeles, Calif.
Filed February 19, 1944. Serial No. 467,584. PUBLISHED JUNE 6, 1944. Class 29.

408,517. LIQUEURS. CAMBO VINEYARDS CO., Fresno, Calif.
Filed February 21, 1944. Serial No. 467,589. PUBLISHED MAY 2, 1944. Class 49.

408,518. SAIL BOATS, WITH OR WITHOUT AUXILIARY POWER, AND SAILS THEREFOR. DONALD B. ABBOTT, Mamaroneck, N. Y.
Filed February 22, 1944. Serial No. 467,638. PUBLISHED JUNE 6, 1944. Class 19.

408,519. MECHANICS' SELF-CHALKING LINE REELS. CEDARBERG MANUFACTURING COMPANY, Minneapolis, Minn.
Filed February 23, 1944. Serial No. 467,686. PUBLISHED MAY 30, 1944. Class 23.

408,520. HAND GARDEN SEEDER CONSTRUCTED OF A SINGLE BLANK OF PAPER MATERIAL. AMERICAN SOIL PRODUCTS CO., INC., New York, N. Y.
Filed February 25, 1944. Serial No. 467,743. PUBLISHED MAY 23, 1944. Class 23.

408,521. AMPHIBIOUS AUTOMOTIVE VEHICLES. AMPHIBIAN CAR CORPORATION, Buffalo, N. Y.
Filed February 25, 1944. Serial No. 467,744. PUBLISHED JUNE 6, 1944. Class 19.

408,522. AMPHIBIOUS AUTOMOTIVE VEHICLES. AMPHIBIAN CAR CORPORATION, Buffalo, N. Y.
Filed February 25, 1944. Serial No. 467,745. PUBLISHED JUNE 6, 1944. Class 19.

408,523. SAIL BOATS, WITH OR WITHOUT AUXILIARY POWER, AND SAILS THEREFOR. DONALD B. ABBOTT, Mamaroneck, N. Y.
Filed February 26, 1944. Serial No. 467,778. PUBLISHED JUNE 6, 1944. Class 19.

408,524. AGRICULTURAL FUNGICIDE. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed February 26, 1944. Serial No. 467,781. PUBLISHED MAY 30, 1944. Class 6.

408,525. INSECT REPELLENT LOTION. SKOL COMPANY, INC., New York, N. Y.
Filed February 26, 1944. Serial No. 467,796. PUBLISHED MAY 30, 1944. Class 6.

408,526. SAIL BOATS, WITH OR WITHOUT AUXILIARY POWER, AND SAILS THEREFOR. DONALD B. ABBOTT, Mamaroneck, N. Y.
Filed February 29, 1944. Serial No. 467,835. PUBLISHED JUNE 6, 1944. Class 19.

408,527. READY-MIXED PAINTS; PREPARED SHELLACS; WASHABLE WALL PAINT; PAINT PRIMERS; VARNISHES; ENAMEL UNDERCOATS; FLAT PAINTS; PAINT ENAMELS; PAINT OILS AND VARNISH STAINS. JOSEPH BAEBI, doing business as Hilton Paint and Varnish Works, Hilton, N. J.
Filed February 29, 1944. Serial No. 467,838. PUBLISHED JUNE 6, 1944. Class 16.

408,528. OILS USED FOR LUBRICATING NEEDLES AND SINKERS ON KNITTING MACHINES. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed February 29, 1944. Serial No. 467,862. PUBLISHED JUNE 6, 1944. Class 15.

408,529. TOILET SOAPS. ASSOCIATED DISTRIBUTORS, Chicago, Ill., assignor to Consolidated Cosmetics, Chicago, Ill., a partnership.
Filed March 1, 1944. Serial No. 467,868. PUBLISHED JUNE 6, 1944. Class 4.

408,530. DEXTRINIZED OR MODIFIED STARCH PRODUCT ADAPTED FOR USE AS AN EXTENDER OR IN PLACE OF ANIMAL GLUE. STEIN, HALL MANUFACTURING COMPANY, Chicago, Ill.
Filed March 1, 1944. Serial No. 467,902. PUBLISHED JUNE 6, 1944. Class 5.

408,531. NASAL DROPS, NASAL SPRAY, AND THROAT SPRAY. BROEMMEL'S PHARMACEUTICALS, San Francisco, Calif.
Filed March 4, 1944. Serial No. 467,957. PUBLISHED MAY 30, 1944. Class 6.

408,532. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed March 4, 1944. Serial No. 467,969. PUBLISHED MAY 30, 1944. Class 42.

408,533. COUGH SYRUP TO RELIEVE DRY COUGH DUE TO MILD COLDS; A MILD STIMULANT DIURETIC TO THE KIDNEYS, ETC. DAVID THALL, doing business as Thall's Home Remedies, Manchester, N. H.
Filed March 7, 1944. Serial No. 468,048. PUBLISHED MAY 30, 1944. Class 6.

408,534. POWDERED INGREDIENTS FOR MAKING GRAVY. PAUL C. BRAGG, doing business as Burbank Kitchens, Burbank, Calif.
Filed March 8, 1944. Serial No. 468,063. PUBLISHED JUNE 6, 1944. Class 46.

408,535. WHISKEY. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn.
Filed March 8, 1944. Serial No. 468,089. PUBLISHED MAY 2, 1944. Class 49.

408,536. PREPARATION DERIVED FROM STARCH CONVERSION PRODUCTS TO BE USED AS A HUMECTANT FOR CHEWING AND SMOKING TOBACCO. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y.
Filed March 9, 1944. Serial No. 468,101. PUBLISHED MAY 30, 1944. Class 6.

408,537. HOLDERS FOR RAZOR BLADES. LANDON P. SMITH, INC., Irvington, N. J.
Filed March 9, 1944. Serial No. 468,126. PUBLISHED MAY 23, 1944. Class 23.

408,538. LATHES AND HYDRAULIC POWER SAWS. PARAGON MACHINE TOOL CORPORATION, San Leandro, Calif.
Filed March 10, 1944. Serial No. 468,150. PUBLISHED MAY 23, 1944. Class 23.

408,539. ARTIFICIAL GRASS MATS OR SETS FOR DECORATIVE PURPOSES. EATON BROTHERS CORP., Hamburg, N. Y.
Filed March 13, 1944. Serial No. 468,231. PUBLISHED JUNE 6, 1944. Class 50.

408,540. ARTIFICIAL GRASS MATS OR SETS FOR DECORATIVE PURPOSES. EATON BROTHERS CORP., Hamburg, N. Y.
Filed March 13, 1944. Serial No. 468,232. PUBLISHED JUNE 6, 1944. Class 50.

408,541. FLOOR MOPS INCLUDING DRY, OIL, AND WET MOPS. GEM PRODUCTS, INC., Milwaukee, Wis.
Filed March 13, 1944. Serial No. 468,252. PUBLISHED JUNE 6, 1944. Class 29.

408,542. BOLSTERS FOR SPINNING FRAMES, TWISTING FRAMES, DOUBLING FRAMES, AND THE LIKE, AND BEARINGS AND BUSHINGS THEREFOR. EDWARD S. KEMPTON, doing business as Kempton Parts and Spring Company, Gastonia, N. C.
Filed March 13, 1944. Serial No. 468,261. PUBLISHED MAY 30, 1944. Class 23.

408,543. SALVE FOR TREATING INFLAMED AND SWOLLEN UDDERS OF COWS. DOROTHY A. LONG, doing business as Dawnwood Farm, Amenia, N. Y.
Filed March 14, 1944. Serial No. 468,300. PUBLISHED MAY 30, 1944. Class 6.

408,544. POLISHING AND BUFFING MACHINES. THE PACKER MACHINE COMPANY, Meriden, Conn.
Filed March 14, 1944. Serial No. 468,305. PUBLISHED MAY 30, 1944. Class 23.

408,545. HAMMERS, PARTICULARLY ADAPTED FOR THE ASSEMBLY OF METAL PARTS. R AND R PLASTICS INC., West Springfield, Mass.
Filed March 14, 1944. Serial No. 468,307. PUBLISHED MAY 30, 1944. Class 23.

408,546. LIVE CENTER TOOL. MARVEL TOOL AND MACHINE COMPANY, River Rouge, Mich.
Filed March 16, 1944. Serial No. 468,345. PUBLISHED MAY 30, 1944. Class 23.

408,547. ANTICORROSION COMPOUND FOR USE IN RADIATORS OF INTERNAL-COMBUSTION ENGINES. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y.
Filed March 16, 1944. Serial No. 468,358. PUBLISHED MAY 30, 1944. Class 6.

408,548. CHEMICAL COMPOSITION FOR MODIFYING COMPOUNDS OF RUBBER AND SYNTHETIC RUBBER, AND RUBBER AND SYNTHETIC RUBBER COMPOUND TREATED THEREWITH FOR USE IN THE MANUFACTURE OF VULCANIZED RUBBER GOODS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 17, 1944. Serial No. 468,378. PUBLISHED MAY 30, 1944. Class 6.

408,549. DISINFECTANT. POLK MILLER PRODUCTS CORP., Richmond, Va.
Filed March 17, 1944. Serial No. 468,391. PUBLISHED MAY 30, 1944. Class 6.

408,550. PERMANENT WAVE SOLUTION. THE WELLA CORPORATION, New York, N. Y.
Filed March 17, 1944. Serial No. 468,404. PUBLISHED MAY 30, 1944. Class 6.

408,551. HAIR BRUSHES. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed March 20, 1944. Serial No. 468,473. PUBLISHED JUNE 6, 1944. Class 29.

408,552. FRESH VEGETABLES. BRYAN S. SMITH, doing business as Bryan Smith Farms, Bakersfield, Calif.
Filed March 20, 1944. Serial No. 468,478. PUBLISHED JUNE 6, 1944. Class 46.

408,553. MINERAL WATER, GINGER ALE, SARSAPARILLA, AND OTHER NONALCOHOLIC, NONCEREAL MALTLESS CARBONATED AND NONCARBONATED BEVERAGES, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. WHITE ROCK MINERAL SPRINGS COMPANY, New York, N. Y.
Filed March 22, 1944. Serial No. 468,550. PUBLISHED MAY 30, 1944. Class 45.

408,554. FRESH VEGETABLES. E. VILLANUEVA, doing business as Mid-Way Produce, Los Angeles, Calif.
Filed March 25, 1944. Serial No. 468,654. PUBLISHED JUNE 6, 1944. Class 46.

408,555. PNEUMATIC TIRES. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio.
Filed March 29, 1944. Serial No. 468,781. PUBLISHED JUNE 6, 1944. Class 35.

408,556. LACE AND NETTED FABRIC IN THE PIECE. I. ZENDMAN, INC., New York, N. Y.
Filed March 30, 1944. Serial No. 468,861. PUBLISHED MAY 30, 1944. Class 42.

408,557. COFFEE. BOWERS BROS. INC., Richmond, Va.
Filed April 3, 1944. Serial No. 468,944. PUBLISHED JUNE 6, 1944. Class 46.

408,558. LATHERING, EMOLLIENT, AND DETERGENT PREPARATION. FAIRCHILD BROS. AND FOSTER, New York, N. Y.
Filed April 3, 1944. Serial No. 468,956. PUBLISHED MAY 30, 1944. Class 4.

408,559. LANDING BOATS, MOTOR TORPEDO BOATS, AND STEEL AND WOOD TUGBOATS AND BARGES. HIGGINS INDUSTRIES, INC., New Orleans, La.
Filed April 3, 1944. Serial No. 468,959. PUBLISHED JUNE 6, 1944. Class 19.

408,560. CANNED FISH. KELLEY-CLARKE CO., Seattle, Wash.
Filed April 3, 1944. Serial No. 468,960. PUBLISHED JUNE 6, 1944. Class 46.

408,561. CANNED FISH. BEACON IMPORTING CO., Boston, Mass.
Filed April 4, 1944. Serial No. 468,995. PUBLISHED JUNE 6, 1944. Class 46.

408,562. PAPER DRESS PATTERNS. THE CONDÉ NAST PUBLICATIONS, INC., New York, N. Y.
Filed April 5, 1944. Serial No. 469,035. PUBLISHED JUNE 6, 1944. Class 26.

408,563. READY-MIXED PAINT. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed April 8, 1944. Serial No. 469,173. PUBLISHED JUNE 6, 1944. Class 16.

408,564. TURKEY POULTS. RALSTON PURINA COMPANY, St. Louis, Mo.
Filed April 22, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 469,578. PUBLISHED JUNE 6, 1944. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

408,565. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GENERAL RIBBON MILLS, INC., Dover, Del., and New York, N. Y. Filed Mar. 14, 1941. Serial No. 441,535.

Autographed Production

FOR TEXTILE RIBBONS SOLD BY THE YARD, SPOOL, PIECE OR BOLT.
Claims use since June 1940.

408,566. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEYENBERG MILK PRODUCTS CO., Salinas, Calif. Filed Jan. 31, 1942. Serial No. 450,631.



FOR CANNED EVAPORATED MILK.
Claims use since Jan. 20, 1942.

408,567. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SUNTEX, INC., New York, N. Y. Filed Jan. 1, 1943. Serial No. 457,712.

Nevablaze

FOR TREATED COTTON DUCK FABRICS IN THE PIECE.
Claims use since Dec. 10, 1942.

408,568. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERKINS PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 15, 1943. Serial No. 458,547.

HONEYMINT
FOR YOUR THROAT'S SAKE

FOR CHEWING GUM.
Claims use since Jan. 14, 1943.

408,569. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERKINS PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 15, 1943. Serial No. 458,548.

HONEYSPICE
FOR YOUR THROAT'S SAKE

FOR CHEWING GUM.
Claims use since Jan. 14, 1943.

408,570. (CLASS 39. CLOTHING.) VARDEN DRESS, INC., New York, N. Y., assignor to Varden Dress Company, New York, N. Y., a copartnership composed of Charles Miller, Joseph Feigenbaum, and Sue Feigenbaum. Filed May 1, 1943. Serial No. 460,358.

"VARDEN PETITE"

FOR WOMEN'S AND MISSES' DRESSES AND SUITS.
Claims use since Mar. 23, 1943.

408,571. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WARREN-TEED PRODUCTS COMPANY, Columbus, Ohio. Filed May 6, 1943. Serial No. 460,461.

TU-A-DAY

FOR VITAMIN PREPARATION FOR USE AS A DIETARY SUPPLEMENT.
Claims use since June 12, 1940.

408,572. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) SHEWAN-JONES, INC., New York, N. Y. Filed June 2, 1943. Serial No. 461,104.

HARTLEY

FOR BRANDY.
Claims use since May 14, 1943.

408,573. (CLASS 47. WINES.) CALIFORNIA GROWERS WINERIES, Cutler, Calif. Filed June 4, 1943. Serial No. 461,130.

Growers Old Reserve

FOR WINE.
Claims use since May 18, 1943.

408,574. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARTHUR S. HEIMAN, INC., New York, N. Y. Filed June 9, 1943. Serial No. 461,248.

SPIFFYSPUN

FOR RAYON PIECE GOODS AND RAYON AND COTTON PIECE GOODS.
Claims use since May 15, 1943.

408,575. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARRON-GRAY PACKING COMPANY, San Jose, Calif. Filed June 28, 1943. Serial No. 461,709.

KOMBINED

FOR CANNED FRUITS, CANNED VEGETABLES AND CANNED FRUIT JUICES FOR FOOD PURPOSES.
Claims use since June 17, 1943.

408,576. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MALLINSON FABRICS CORPORATION, New York, N. Y. Filed July 1, 1943. Serial No. 461,798.

SMARTLYNE

FOR PIECE GOODS OF SILK, WOOL, COTTON, RAYON, AND MIXTURES OF SILK AND RAYON.
Claims use since June 12, 1943.

408,577. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN WOOLEN COMPANY, Passaic, N. J. Filed July 9, 1943. Serial No. 461,946.

Forstmann

FOR WOOLEN PIECE GOODS.
Claims use since June 23, 1943.

408,578. (CLASS 39. CLOTHING.) IRENE DARE COMPANY, New York, N. Y. Filed July 21, 1943. Serial No. 462,190.

Kay Martin

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since June 5, 1943.

408,579. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed July 26, 1943. Serial No. 462,312.

CORAL SEA

FOR CANDY.
Claims use since June 1, 1943.

408,580. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Aug. 12, 1943. Serial No. 462,687.

Industrial
ELECTRONIC EQUIPMENT

FOR A PERIODICAL MAGAZINE PUBLISHED AT IRREGULAR INTERVALS.
Claims use since June 1, 1943.

408,581. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALISTE V. WILSON, doing business as Cottle-Wilson Laboratories, North Hollywood, Calif. Filed Aug. 28, 1943. Serial No. 463,086.

THIO-HYDROL

FOR SULFHYDRIL BEARING SOLUTIONS AND SULFHYDRIL BEARING OINTMENTS FOR BURNS AND DERMATOLOGICAL DISORDERS.
Claims use since May 15, 1943.

408,582. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SAFTICYCLES, INC., La Crosse, Wis. Filed Oct. 15, 1943. Serial No. 464,188.

Safticycle

FOR MOTOR SCOOTERS.
Claims use since Apr. 15, 1940.

408,583. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLADYS LOONEY HOLMES, doing business as Londonderry, New York, N. Y. Filed Oct. 15, 1943. Serial No. 464,169.

LONDONDERRY



FOR ICE CREAM FLAVOR AND MIX BASE.
Claims use since Nov. 1, 1941.

408,584. (CLASS 14. METALS AND METAL CASTINGS, AND FORGINGS.) ROLINS COMPANY, New York, N. Y. Filed Oct. 23, 1943. Serial No. 464,373.

PRESFORGE

FOR STAMPINGS AND FORGINGS.
Claims use since Feb. 1, 1943.

408,585. (CLASS 12. CONSTRUCTION MATERIALS.) G-L PRODUCTS, Philadelphia, Pa. Filed Oct. 27, 1943. Serial No. 464,435.

FIBRESPRAY ASBESTOS

FOR ASBESTOS FIBRE AND BINDER FOR SPRAYING IN PLACE AS THERMAL INSULATION AND SOUND ABSORBER.
Claims use since Apr. 29, 1943.

408,586. (CLASS 12. CONSTRUCTION MATERIALS.) DANTE J. DE STEFANO, doing business as Fiber-Lite Co., New York, N. Y. Filed Oct. 30, 1943. Serial No. 464,535.

FIBER - LITE

FOR CONSTRUCTION MATERIALS — NAMELY, SLABS AND IRREGULAR SHAPES MADE FROM MIXTURES OF VARIOUS CEMENTITIOUS BINDING MATERIALS USED TO COVER FLOORS, WALLS, BULKHEADS, ETC.
Claims use since Apr. 30, 1942.

408,587. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EVA E. LUFKIN, Bangor, Maine; Grace M. Witham and Nancy Johnston, administratrices of said Eva E. Lufkin, deceased, assignors to Clarence D. Barker, Bangor, Maine. Filed Nov. 1, 1943. Serial No. 464,579.



FOR TAFFY.
Claims use since Aug. 9, 1902.

408,588. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) M. E. HULSE, doing business as Hulse Import Co., San Francisco, Calif. Filed Jan. 18, 1944. Serial No. 466,672.



FOR RUM.
Claims use since May 3, 1943.

408,589. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) EDGECRAFT COMPANY, New York, N. Y. Filed Jan. 24, 1944. Serial No. 466,832.

Edgecraft

FOR LACES, BRAIDS, HAND-WORK TRIMMINGS, AND EMBROIDERED PASSEMENTERIES.
Claims use since May 1943.

408,590. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. ROSENHOLZ, INC., New York, N. Y. Filed Feb. 5, 1944. Serial No. 467,211.

KEY WEST

FOR PIECE GOODS OF RAYON, COTTON, AND MIXTURES OF RAYON AND COTTON.
Claims use since Sept. 15, 1942.

408,591. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) UNITED DISTILLERS PRODUCTS CORP., Amston, Conn. Filed Feb. 28, 1944. Serial No. 467,828.

KINGSWOOD

FOR WHISKEY.
Claims use since Jan. 2, 1904.

408,592. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EVERFAST FABRICS, INC., New York, N. Y. Filed Mar. 2, 1944. Serial No. 467,918.

OLD FASHIONED LONGCLOTH

FOR COTTON TEXTILE FABRICS IN THE PIECE.
Claims use since Feb. 24, 1942.

408,593. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACK LEVY, doing business as Gordon Products Co., A. N., New York, N. Y. Filed Mar. 15, 1944. Serial No. 468,327.

Scala

FOR CANNED FISH.
Claims use since Jan. 2, 1943.

408,594. (CLASS 31. FILTERS AND REFRIGERATORS.) FLOYD L. ROBISON, Fort Smith, Ark. Filed Mar. 16, 1944. Serial No. 468,350.

KWIK-KOLD

FOR BEVERAGE AND FOOD COOLERS AND REFRIGERATOR BOXES.
Claims use since Jan. 1, 1942.

408,595. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIEGEL BROS. GARMENT CORP., New York, N. Y. Filed Mar. 22, 1944. Serial No. 468,541.

KINGSDALE

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since Aug. 11, 1942.

408,596. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) DISTILLED LIQUORS IMPORT CO. INC., New York, N. Y. Filed Mar. 24, 1944. Serial No. 468,600.

DORO

FOR DISTILLED SPIRITS—NAMELY, BRANDY.
Claims use since December 1941.

408,597. (CLASS 39. CLOTHING.) ALEX CARAFIOL, INC., St. Louis, Mo. Filed Mar. 25, 1944. Serial No. 468,660.

Peggy Parks

FOR WOMEN'S, MISSES', AND JUNIORS' DRESSES, FROCKS, AND BLOUSES.
Claims use since May 1938.

408,598. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) I. ZENDMAN, INC., New York, N. Y. Filed Mar. 30, 1944. Serial No. 468,859.

NYALENÇON

FOR LACE AND NETTED FABRICS IN THE PIECE.
Claims use since Feb. 9, 1943.

408,599. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) I. ZENDMAN, INC., New York, N. Y. Filed Mar. 30, 1944. Serial No. 468,860.

NYBINCHE

FOR LACE AND NETTED FABRICS IN THE PIECE.
Claims use since Feb. 9, 1943.

408,600. (CLASS 39. CLOTHING.) STEINFELD BLOUSE & SPORTSWEAR CO., New York, N. Y. Filed Apr. 1, 1944. Serial No. 468,931.

Tailorcraft
22 KARAT

FOR LADIES' WEARING APPAREL COMPRISING PETTICOATS, PANTALETS, BLOOMERS, SLIPS, STEP-INS MADE OF SILK, COTTON, TEXTILE FABRICS OR COMBINATIONS THEREOF, SHIRT WAISTS, BLOUSES, DRESSES.
Claims use since March 1942.

408,601. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIEGEL BROS. GARMENT CORP., New York, N. Y. Filed Apr. 3, 1944. Serial No. 468,975.

ANGLOLAINE

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since Aug. 11, 1942.

408,602. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOULES & SOULES, Los Angeles, Calif. Filed Apr. 20, 1944. Serial No. 469,520.

California Style Fabrics

FOR COTTON AND RAYON FABRICS IN THE PIECE.
Claims use since Jan. 6, 1942.

408,603. (CLASS 47. WINES.) VINTAGE WINES INC., New York, N. Y. Filed Apr. 28, 1944. Serial No. 469,793.

Lancer's

FOR SHERRY AND OTHER WINES.
Claims use since June 1, 1943.

408,604. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SCHRATZ PRODUCTS, Detroit, Mich. Filed May 9, 1944. Serial No. 470,087.

SUN VALLEY

Gardenia

FOR TOILET AND BATH DETERGENT PREPARATIONS—NAMELY, SOAPS, AND CLEANSING WATER SOFTENING PREPARATIONS HAVING OILS AND PERFUMES MIXED WITH A SAPONACEOUS INGREDIENT AND/OR SULPHONATED CASTOR OIL.
Claims use since Oct. 6, 1941.

408,605. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KAMEN SOAP PRODUCTS CO., New York, N. Y. Filed May 10, 1944. Serial No. 470,115.

KAMEN

FOR SCOURING COMPOUND, SCOURING POWDER, TOILET SOAP, LAUNDRY SOAP, POWDERED SOAP AND GRIT SOAP.
Claims use since August 1942.

408,606. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HENRY F. DAUM, doing business as SafeTspra Company, Los Angeles, Calif. Filed May 11, 1944. Serial No. 470,139.



FOR LIQUID CLEANER FOR MARBLE AND TILE, WINDSHIELDS, WINDOWS, MIRRORS, AND OTHER GLASSWARE.
Claims use since July 1, 1941.

408,607. (CLASS 39. CLOTHING.) THE MABLEY AND CAREW COMPANY, Cincinnati, Ohio. Filed May 16, 1944. Serial No. 470,308.

Carew Casual

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since May 1, 1943.

TRADE-MARK REGISTRATIONS RENEWED

25,637. **THE PORTRAIT OF DR. KILMER.** A LIQUID, A MEDICINE, AND AN OINTMENT, EACH FOR THE TREATMENT OF CERTAIN NAMED DISEASES AND AILMENTS. Registered December 11, 1894. DR. KILMER & CO., Binghamton, N. Y. Re-renewed December 11, 1944, to Kilmer & Co., Incorporated, Stamford, Conn., a corporation of Connecticut, assignee by mesne assignments.

166,873. **BONOX.** MEAT EXTRACTS. Registered April 17, 1923. FRED WALKER & CO. PROPRIETARY LIMITED, Melbourne, Victoria, Australia. Renewed April 17, 1943, to Kraft Walker Cheese Company Proprietary Limited, South Melbourne, Victoria, Australia, a corporation of Victoria, Australia, assignee.

184,010. **"BASCO" AND DESIGN.** ELECTRICAL EQUIPMENT FOR GASOLINE AND ELECTRIC MOTOR CARS, MOTOR BOATS AND GASOLINE ENGINES, CONSISTING OF IGNITION TIMERS, IGNITION SWITCHES, IGNITERS, REVERSE-CURRENT CUT-OUTS, STARTING SWITCHES, MASTER VIBRATORS, AND DYNAMO REGULATORS; AND CERTAIN NAMED RADIO APPARATUS. Registered May 13, 1924. BRIGGS & STRATTON COMPANY. Renewed May 13, 1944, to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware, assignee.

184,362. **IRONUX.** MEDICINAL PREPARATION—NAMELY, A TONIC FOR BLOOD AND LIVER. Registered May 20, 1924. GEORGE E. BURCHER, Newport News, Va. Renewed May 20, 1944.

184,642. **DON CARLOS.** GREEN COFFEE. Registered May 27, 1924. STEINWENDER, STOFFREGEN & CO. Renewed May 27, 1944, to Steinwender, Stoffregen & Co., New York, N. Y., a firm, successor.

184,643. **"A O L BOGATA" AND DESIGN.** GREEN COFFEE. Registered May 27, 1924. STEINWENDER, STOFFREGEN & CO. Renewed May 27, 1944, to Steinwender, Stoffregen & Co., New York, N. Y., a firm, successor.

184,841. **SEABROOK.** FRESH STONE AND POME FRUITS, FRESH STRAWBERRIES, FRESH VEGETABLES, AND FRUIT PULP. Registered June 3, 1924. SEABROOK COMPANY, Bridgeton, N. J. Renewed June 3, 1944, to Seabrook Farms Co., Upper Deerfield Township, N. J., a corporation of New Jersey, successor.

185,429. **WUNDER-WITE.** PAINT ENAMELS. Registered June 17, 1924. RICHARD H. OAKLEY, doing business as Oakley Varnish Co. Renewed June 17, 1944, to Oakley Paint Manufacturing Company, Los Angeles, Calif., a partnership, assignee.

185,436. **"RED ROCK" AND DRAWING.** DAIRY PRODUCTS—NAMELY, COTTAGE CHEESE. Registered June 17, 1924. RED ROCK DAIRY, Tigard, Oreg. Renewed June 17, 1944, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee.

185,486. **"FOOTPROOF HOSIERY BARNETT'S 'OF COURSE'" AND DESIGN.** MEN'S, BOYS' AND WOMEN'S HOSIERY MADE OF SILK, FIBERS, COTTON, WOOL, AND OTHER MATERIALS. Registered June 17, 1924. M. D. Barnett, Denver, Colo. Renewed June 17, 1944.

186,539. **"VERNON MILLS" AND DESIGN.** PASTRY FLOUR, GRAHAM FLOUR, PANCAKE FLOUR, SELF-RISING BUCKWHEAT FLOUR, NO. 1 HARD-WHEAT FLOUR, WHOLE-WHEAT FLOUR, RYE FLOUR, BISCUIT FLOUR, BUCKWHEAT FLOUR, BOLTED CORN MEAL, GRANULATED CORN MEAL, TABLE BRAN, FLAKED WHEAT, PREPARED GRAHAM MUFFIN FLOUR. Registered July 22, 1924. J. J. BARTHOLOMEW & SON, INC., Vernon, N. Y. a corporation of New York. Renewed July 22, 1944.

186,556. **20 CENTURY.** WHEAT FLOUR. Registered July 22, 1924. JENSEN & SONS MILLING & GRAIN CO., Nelson, Nebr. Renewed July 22, 1944, to A. B. Jensen, doing business as Jensen Milling & Grain Co., Wood River, Nebr., successor.

186,869. **"SOLE MATE" AND DRAWING.** HOSIERY. Registered July 22, 1924. UNITED HOSIERY MILLS CORP. Renewed July 22, 1944, to Miller-Smith Hosiery Mills, Chattanooga, Tenn., a corporation of Tennessee, assignee by mesne assignments.

186,924. **"GGG GOLDKNIT" AND DESIGN.** MEN'S OVERCOATS. Registered July 22, 1924. WM. P. GOLDMAN & BROS. INC. Renewed July 22, 1944, to Wm. P. Goldman & Bros., Inc., New York, N. Y., a corporation of New York, assignee.

186,927. **SAPPO.** CARTOONS. Registered July 22, 1924. KING FEATURES SYNDICATE, INC. Renewed July 22, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by merger.

186,929. **LITTLE JIMMY.** CARTOONS. Registered July 22, 1924. INTERNATIONAL FEATURE SERVICE, INC. Renewed July 22, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by mergers.

186,930. **HELPFUL HENRY.** CARTOONS. Registered July 22, 1924. INTERNATIONAL FEATURE SERVICE, INC. Renewed July 22, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by mergers.

186,931. **FOR BETTER OR WORSE.** CARTOONS. Registered July 22, 1924. INTERNATIONAL FEATURE SERVICE, INC. Renewed July 22, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by mergers.

186,967. **STUMBLE INN.** CARTOONS. Registered July 22, 1924. KING FEATURES SYNDICATE, INC. Renewed July 22, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by merger.

187,160. **EDDIE'S FRIENDS.** CARTOONS. Registered July 29, 1924. INTERNATIONAL FEATURE SERVICE, INC. Renewed July 29, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by mergers.

187,250. **HAPPY MEAL.** CANNED VEGETABLES. Registered July 29, 1924. GREENMOUNT CANNING CO., Greenmount, Md., a firm. Renewed July 29, 1944.

187,476. **HIGH-BROWN.** SHAVING CREAM—NAMELY, SOAP CREAM—SHAMPOO SOAP, SOAP, AND TOILET SOAP. Registered August 5, 1924. ANTHONY OVERTON, doing business as The Overton-Hygienic Mfg. Co. and also doing business as Overton-Hygienic Co. and The Overton-Hygienic Co. Renewed August 5, 1944, to The Overton-Hygienic Mfg. Co., Chicago, Ill., a corporation of Illinois, assignee.

187,530. **FREDDIE THE SHEIK.** CARTOONS. Registered August 5, 1924. KING FEATURES SYNDICATE, INC. Renewed August 5, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by merger.

187,709. **HIGH-BROWN.** FACE POWDERS, TALCUM POWDERS, FACE CREAMS, LOTIONS, HAIR TONICS, HAIR OILS, HAIR POMADES, LIP STICKS, ROUGE, TEMPLE OIL, HAIR-STRAIGHTENING OIL, HAIR GROWER, PERFUME, TETTER SALVE, MASSAGE CREAM, TOOTH PASTE, FACE BLEACH, BLEACH OINTMENT, BRILLIANTINE, TOILET WATER, COLD CREAM AND COLD CREAM IN CAKE FORM, COCONUT-OIL SHAMPOO, NAIL POLISHES, SAPONIFIED COCONUT-OIL SHAMPOO. Registered August 12, 1924. ANTHONY OVERTON, doing business as The Overton-Hygienic Mfg. Co. Renewed August 12, 1944, to The Overton-Hygienic Mfg. Co., Chicago, Ill., a corporation of Illinois, assignee.

187,733. **CHAMOISETTE.** COTTON, SILK, COTTON AND SILK, AND ART-SILK PIECE GOODS. Registered August 12, 1924. JULIUS KAYSER & CO., New York, N. Y., a corporation of New York. Renewed August 12, 1944.

187,806. **"NON PLUS ULTRA N.P.U." AND DESIGN.** CORKS. Registered August 12, 1924. BOUCHER CORK & MACHINE CO., INC., New York, N. Y. Renewed August 12, 1944, to Boucher Cork Co., Inc., Pisgah Forest, N. C., a corporation of North Carolina, successor.

187,942. **PACIFIC SAFETY PAPER.** COMMERCIAL PAPER—NAMELY, BLANK CHECKS. Registered August 12, 1924. THE UNION LITHOGRAPH CO., INC., Los Angeles, Calif. Renewed August 12, 1944, to George La Monte & Son, Nutley, N. J., a corporation of New Jersey, assignee.

187,983. **R. I. W. PLUG-A-LEAK.** COATING COMPOSITION OF VARYING CONSISTENCIES FOR THE PROTECTION AND REPAIR OF ROOFS AND THE LIKE AND FOR POINTING UP CHIMNEYS, FLASHINGS, ETC. Registered August 12, 1924. TOCH BROTHERS, INCORPORATED, New York, N. Y. Renewed August 12, 1944, to Toch Brothers, Incorporated, Staten Island, N. Y., a corporation of New York.

188,155. **LACALAC.** DEHYDRATED PASTEURIZED SWEET-CREAM BUTTERMILK POWDER. Registered August 19, 1924. DRY BUTTERMILK COMPANY, Waseca, Minn. Renewed August 19, 1944, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee.

188,454. **"BEATRICE" AND DESIGN. FACE POWDER IN CAKE FORM.** Registered August 26, 1924. COMFORT MANUFACTURING CO. Renewed August 26, 1944, to Comfort Manufacturing Company, Chicago, Ill., a corporation of Illinois, assignee.

188,483. **REVELATION BAG.** STEAM, WATER, AND GAS PIPE FITTINGS AND VALVES. Registered August 26, 1924. GRINNELL COMPANY, INC. Renewed August 26, 1944, to Grinnell Corporation, Providence, R. I., a corporation of Delaware, assignee.

188,692. **SANTO.** DISINFECTANT. Registered September 2, 1924. THE SULPHO-NAPTHOL COMPANY, Boston, Mass., a corporation of Maine. Renewed September 2, 1944.

188,810. **SYLPHO.** LIQUID SOAP. Registered September 2, 1944. THE SULPHO-NAPTHOL COMPANY, Boston, Mass., a corporation of Maine. Renewed September 2, 1944.

188,823. **"ATLANCO" AND DRAWING.** SOAP, SOAP POWDERS, CHIP SOAP, SWEEPING COMPOUND. Registered September 2, 1924. ROBERT B. MARTIE, doing business as Atlanta Cleansing Products Company. Renewed September 2, 1944, to R. B. Martie Company, New York, N. Y., a firm, assignee.

188,936. **"POPPY" AND DESIGN.** DRESSED POULTRY. Registered September 9, 1924. CALIFORNIA POULTRY COMPANY. Renewed September 9, 1944, to Adam Bianchi, San Francisco, Calif., assignee.

189,093. **"HOLLY" AND DRAWING.** DRIED, SMOKED, AND SALTED PORK AND BEEF, AS FOLLOWS, EXCEPTING SAUSAGE; SIDES, BELLIES, BACKS, SHOULDERS, PLATES, BUTTS, LOINS, MIDDLES, HAMS, AND MESS PORK; AND LARD, BARREL BEEF, AND MESS BEEF. Registered September 9, 1924. CHAS. HOLLINSHED CO., INC., New York, N. Y. Renewed September 9, 1944, to Frigorifico Nacional of Montevideo, Montevideo, Uruguay, South America, a governmental industry of Uruguay, assignee.

190,103. **"SIGNAL" AND DESIGN.** WORK SHIRTS, DRESS SHIRTS, FLANNEL SHIRTS, WORK COATS, AND OVERALLS. Registered October 7, 1924. SIGNAL SHIRT COMPANY, Racine, Wis. Renewed October 7, 1944, to John Riesman & Son, Inc., Chicago, Ill., a corporation of Illinois, assignee.

190,151. **LAURENS.** CIGARETTES. Registered October 7, 1924. SOCIÉTÉ ANONYME ED. LAURENS "LE KHEDIVE" EXTENSION SUISSE, Geneva, Switzerland, an organized company of the Swiss Confederation. Renewed October 7, 1944.

190,201. **NUART.** TRANSFER SETS CONTAINING CRAYONS, PENCILS, BRUSHES, WATER COLORS, SLATES, CELLULOID OUTLINE SHEETS, FRAMES FOR SAME, TRANSFER STICKS, AND PICTURES. Registered October 7, 1924. SHERMAN L. PARMENTER, New York, N. Y. Renewed October 7, 1944, to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio, assignee.

190,485. **CORDUROY.** PNEUMATIC RUBBER TIRES INCLUDING TIRE CASINGS AND INNER TUBES THEREFOR. Registered October 14, 1924. CORDUROY TIRE COMPANY. Renewed October 14, 1944, to Corduroy Rubber Company, Grand Rapids, Mich., a corporation of Delaware, by change of name.

190,492. **FLAW-GO. CHEMICAL PREPARATION SUITABLE FOR THE TREATMENT OF THE SKIN.** Registered October 14, 1924. COMFORT MFG. CO. Renewed October 14, 1944, to Comfort Manufacturing Company, Chicago, Ill., a corporation of Illinois, assignee.

190,730. **MADE OF THE MIST.** DEHYDRATED PASTEURIZED SWEET-CREAM BUTTERMILK POWDER. Registered October 21, 1924. DRY BUTTERMILK COMPANY, Waseca, Minn. Renewed October 21, 1944, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee.

190,891. **RANDS. SCREENS, PICKING TABLES, LOADING BOOMS, MINE TIPPLES, LOCOMOTIVE COALING STATIONS, CINDER HOISTS, AND MATERIAL HANDLING, CONVEYING, AND TREATING MACHINERY.** Registered October 28, 1924. ROBERTS AND SCHAEFER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 28, 1944.

190,961. **"R AND S COMPANY" AND DESIGN. SCREENS, PICKING TABLES, LOADING BOOMS, MINE TIPPLES, LOCOMOTIVE COALING STATIONS, CINDER HOISTS, AND MATERIAL HANDLING, CONVEYING, AND TREATING MACHINERY.** Registered October 28, 1924. ROBERTS AND SCHAEFER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 28, 1944.

190,974. **LA NATIVIDAD. CIGARS.** Registered October 28, 1924. EHRMAN BROS. HORN & COMPANY. Renewed October 28, 1944, to Ehrman Bros., Horn & Co., San Francisco, Calif., a firm, assignee by mesne assignments.

190,975. **BUGLE CALL.** CIGARS. Registered October 28, 1924. EHRMAN BROS. HORN & COMPANY. Renewed October 28, 1944, to Ehrman Bros., Horn & Co., San Francisco, Calif., a firm, assignee by mesne assignments.

190,976. **EL CAMINO REAL.** CIGARS. Registered October 28, 1924. EHRMAN BROS. HORN & COMPANY. Renewed October 28, 1944, to Ehrman Bros., Horn & Co., San Francisco, Calif., a firm, assignee by mesne assignments.

191,429. **CHEMO.** WASHING POWDER FOR DISHES AND LIKE ARTICLES. Registered November 11, 1924. CHEMO PRODUCTS CO., New York, N. Y. Renewed November 11, 1944, to Chemo Cleansers, Inc., Long Island City, N. Y., a corporation of New York, assignee.

191,430. **ALMOND ROCA.** CHOCOLATE BRITTLE CANDY CONTAINING ALMONDS. Registered November 11, 1924. BROWN & HALEY. Renewed November 11, 1944, to Brown & Haley, Tacoma, Wash., a corporation of Washington, assignee.

191,475. **SYLPHO-DINE.** ANTISEPTIC OINTMENT FOR CUTS, BURNS, SORES, BRUISES, SCRATCHES, CANKER, COLD SORES, BOILS, BED SORES, SUNBURN, CHAPPED SKIN, DRY ECZEMA, PIMPLES AND RASHES, INSECT BITES, IVY POISONING, BURNING CALLOUSED FEET, ITCHING, INFLAMED OR CHAFED SKIN. Registered November 11, 1924. THE SULPHO-NAPTHOL COMPANY, Boston, Mass., a corporation of Maine. Renewed November 11, 1944.

191,587. **BLENDWEL.** CRAYONS—NAMELY, TOY WAX CRAYONS. Registered November 11, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed November 11, 1944.

191,588. **CRAYOGRAPH.** CRAYONS — NAMELY, PRESSED CRAYONS. Registered November 11, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed November 11, 1944.

191,589. **CRAYONEX.** CRAYONS—NAMELY, WAX CRAYONS. Registered November 11, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed November 11, 1944.

191,590. **KROMA.** CRAYONS, WATER COLORS. Registered November 11, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed November 11, 1944.

191,591. **PASTELLO.** CRAYONS—NAMELY, PASTEL CRAYONS. Registered November 11, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed November 11, 1944.

191,637. **"ROYAL CROWN" AND DRAWING. TOILET PAPER.** Registered November 11, 1924. HAMPTON ROADS PAPER COMPANY, INC., Norfolk, Va., a corporation of Virginia. Renewed November 11, 1944.

191,755. **"MOUNTAIN TOPS" AND DESIGN.** COCONUT CANDY. Registered November 18, 1924. THE MAPLE DELL CANDY COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed November 18, 1944.

191,886. **"RICHEESE" AND DESIGN. CHEESE.** Registered November 18, 1924. RICHARDSON & COMPANY, Lowville, N. Y. Renewed November 18, 1944, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

191,887. **"PETER PAUL'S SMILE-AWHILE" AND DRAWING.** CANDY. Registered November 18, 1924. PETER PAUL CANDY MANUFACTURING COMPANY, INCORPORATED. Renewed November 18, 1944, to Peter Paul Incorporated, Naugatuck, Conn., a corporation of Delaware, successor.

192,399. **NYANZA.** SPICES; GROUND CAYENNE, MACE, CLOVES, ALLSPICE, NUTMEG, CINNAMON, THYME, SAGE, SAVORY, MARJORAM, BLACK PEPPER, GINGER, AND WHITE PEPPER; WHOLE NUTMEGS, CLOVES, CINNAMON, ALLSPICE, GINGER, AND WHOLE BLACK PEPPER; LEAF THYME, POULTRY SEASONING, PICKLE SPICE, CELERY SALT, CURRY POWDER, PAPRIKA; AND CERTAIN NAMED FOOD SEEDS AND EXTRACTS. Registered December 2, 1924. HANF & RINGLER INC., New York, N. Y., a corporation of New York. Renewed December 2, 1944.

192,495. **READYMARK.** CRAYONS. Registered December 9, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Renewed December 9, 1944, to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio.

192,540. **NEURO FOSFATO ESKAY.** MEDICINE FOR DISEASES OF THE NERVOUS SYSTEM. Registered December 9, 1924. SMITH, KLINE & FRENCH COMPANY. Renewed December 9, 1944, to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

192,549. **"ANGELOBRO" AND DESIGN.** GUM SHELLAC, ORANGE SHELLAC, BUTTON LAC, GARNET LAC. Registered December 9, 1924. ANGELO BROS. LIMITED, Calcutta, British India, an organized company of British India. Renewed December 9, 1944.

192,642. **"GB".** PAPER PENCILS. Registered December 9, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed December 9, 1944.

192,643. **"VELVATEX".** DUSTLESS CHALK. Registered December 9, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed December 9, 1944.

192,644. **"PURITAN".** DUSTLESS CHALK. Registered December 9, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Renewed December 9, 1944, to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio.

192,657. **WHITE-SATIN.** SHOE DRESSING. Registered December 9, 1924. J. L. PRESCOTT COMPANY, New York, N. Y., a corporation of New Jersey. Renewed December 9, 1944.

192,794. **SUPERB.** SLICED BEEF, MINCEMEAT, CANNED SOUPS, RAW POP CORN, TAPIOCA, DRIED FRUITS, FOOD-FLAVORING EXTRACTS, PEANUT BUTTER, SPICES, FRUIT PRESERVES, JELLIES, MARMALADES, MUSTARD, OLIVES, CORNSTARCH, HONEY, SUGAR, SEEDED RAISINS, JELLY POWDER. Registered December 9, 1924. TOLERTON & WARFIELD COMPANY, Sioux City, Iowa, a corporation of Iowa. Renewed December 9, 1944.

192,807. "LONG TOM". CRAYONS. Registered December 9, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Renewed December 9, 1944, to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio

192,808. SUREMARK. CRAYONS. Registered December 9, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Renewed December 9, 1944, to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio.

192,809. "EAZYMARK". CRAYONS. Registered December 9, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Renewed December 9, 1944, to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio.

192,810. "GIANT". WAX CRAYONS. Registered December 9, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Renewed December 9, 1944, to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio

192,811. "SUPERMARK". CRAYONS. Registered December 9, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Renewed December 9, 1944, to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio.

192,812. "WONDERMARK". WAX CRAYONS. Registered December 9, 1924. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, and St. Louis, Mo. Renewed December 9, 1944, to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio.

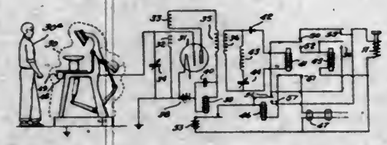
REISSUES

AUGUST 15, 1944

22,527
CONTROL OF POWER ACTUATED MACHINERY

Henry Herbertson Brownlee, Washington, D. C.
Original No. 2,313,917, dated March 16, 1943, Serial No. 187,593, January 29, 1938. Application for reissue December 14, 1943, Serial No. 514,291

14 Claims. (Cl. 38—40)



3. A textile press comprising a stationary buck member, a pivoted pressing head member, fluid power motor means to actuate said head member, a valve to control said fluid motor means, means to produce an electric field in the vicinity of said members, a balanced electrical circuit having two conditions of balance, means to cause said circuit to change from one condition of balance to the other when a body of a predetermined nature passes into and out of said field, and means controlled by the condition of the circuit to actuate said valve to control the movement of the press head member.

22,528
WASHING MACHINE

Fred A. Conterman, Jamestown, N. Y., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y., a corporation of New York
Original No. 2,220,476, dated November 5, 1940, Serial No. 118,710, January 2, 1937. Application for reissue October 19, 1942, Serial No. 462,561

9 Claims. (Cl. 68—134)

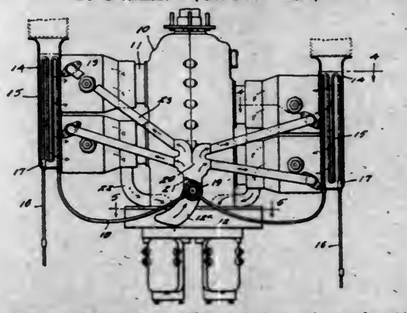


2. An agitator for a washing machine comprising three vertical blades arranged and joined to form a triangular prism, said blades having substantially plane surfaces, the outer edges of said surfaces being in a vertical plane and terminating within the lateral limits of a support for said blades.

22,529
FUEL-COOLED INTERNAL-COMBUSTION ENGINE

Nelson M. Jones, Sarasota, Fla., assignor to Greene's Fuel, Incorporated, Sarasota, Fla., a corporation of Florida
Original No. 2,296,790, dated September 22, 1942, Serial No. 448,616, June 26, 1942. Application for reissue April 17, 1943, Serial No. 483,398

19 Claims. (Cl. 123—133)



1. In combination with an internal combustion engine having a super-charger and mixing chamber in communication therewith and with the cylinders, means to confine air drawn by the super-charger into the mixing chamber, over parts of the engine to cool the same, means for the supply of hydrocarbon fuel to the mixing chamber, and means for the expansion of said fuel into gas to refrigerate the air passing over said parts.

22,530
PENCIL FOR LAUNDRY MARKING

Francis M. Sell, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Original No. 2,347,644, dated May 2, 1944, Serial No. 414,159, October 8, 1941. Application for reissue June 17, 1944, Serial No. 540,790

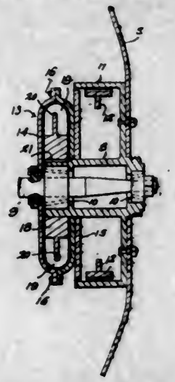
6 Claims. (Cl. 40—1)

1. A pencil for use in normally invisible laundry marking, comprising a rigid pencil body firm enough for use as a pencil and of such degree of friability that when used for marking textile fabrics a substantial amount of the pencil will adhere to the fabric, and a colorless fluorescent dyestuff dispersed through the pencil body and having such affinity for textile fabrics that when applied thereto in the form of a mark, a substantial amount of the dyestuff will separate from the pencil body and become affixed to the fabric in the manner of a dyestuff, said pencil body ingredient being subsequently removable from the fabric without removing the dyed mark.

PATENTS

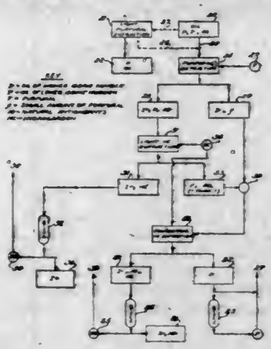
GRANTED AUGUST 15, 1944

2,355,604
HYDRAULIC POWER TRANSMISSION
George F. Rupp, Upper Darby, Pa.
Application August 17, 1942, Serial No. 455,153
2 Claims. (Cl. 188—66)



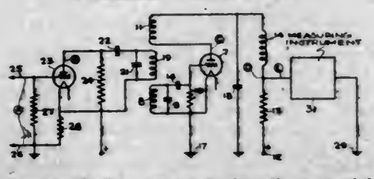
1. A fluid-driven wheel comprising a hub for the wheel and adapted for free rotation on a stationary axle, a housing secured to the axle and having the inner end of the hub journaled therein, a rotor in the housing keyed on the inner end of the hub, said rotor having turbine blades thereon, and means for supplying fluid pressure to the blades.

2,355,605
EXTRACTION OF DRYING OIL
Robert F. Ruthruff and Donald F. Wilcock, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
Application April 10, 1941, Serial No. 387,846
26 Claims. (Cl. 260—428.5)



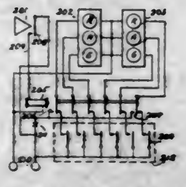
26. The method of treating natural drying oil containing natural anti-oxidants which comprises lightly extracting the oil with a small quantity of furfural to leave substantially all the oil and to remove substantially all the anti-oxidants natural to the oil, whereby to secure one fraction comprising a solution in furfural of a small amount of oil of higher iodine number than the original oil and substantially all the anti-oxidants of the original oil, and a second fraction comprising the remainder of the oil with an iodine number lower than that of the original oil with furfural dissolved therein, said second fraction being substantially free from natural anti-oxidants.

2,355,606
OSCILLATION CIRCUIT
William W. Shannon, Troy, N. Y., assignor to W. & L. E. Gurley, Troy, N. Y., a corporation of New York
Application July 1, 1942, Serial No. 449,277
3 Claims. (Cl. 250—36)



1. An oscillation control circuit comprising a vacuum tube oscillator having input and output circuits; a feedback connection between said input and output circuits; a control tube of the vacuum type having at least three elements including a filament, a grid and a plate; a circuit tuned to the output frequency of the oscillator, said circuit including an inductance coil in the plate circuit of the control tube and disposed in inductive relation to said feedback connection; and means for impressing a varying potential upon the grid of the control tube to vary the resonant frequency of said inductance coil circuit abruptly between values above and below oscillator frequency to vary the condition of oscillation of said oscillator between oscillation and non-oscillation values.

2,355,607
CONTROL SYSTEM
Judson O'D. Shepherd, Atlanta, Ga.
Application March 25, 1940, Serial No. 325,721
8 Claims. (Cl. 177—337)



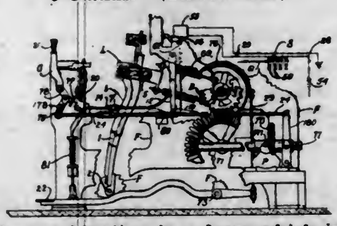
1. A control system comprising, in combination, an electrical device, means to normally operate said device in a predetermined manner, means to operate said device in another predetermined manner, a source of sound of particular pitch modulated in a predetermined manner and means responsive to sound of said pitch modulated in said manner to cause last said device operating means to operate said device in second said manner.

2,355,608
INSULATING AND ACOUSTICAL COVERING
Philip J. Stieger, St. Paul, Minn.
Application April 29, 1942, Serial No. 440,941
1 Claim. (Cl. 154—44)



An insulation and acoustical panel comprising a compaction of insulating and acoustical material in slab form having opposed substantially parallel surfaces and rectangularly arranged connecting edges, a screen panel extending over one surface of said compaction completely covering the same, a flange of screen material connected to said screen panel along two adjoining edges thereof, said flanges terminating with the edges substantially flush with the other surface of said compaction, integral flanges of screen material on said screen panel extending over the remaining adjoining edges of said compaction, all of said flanges being of a size substantially equal to the area of the connecting edges of said compaction, and attaching flanges of screen material integral with the last named flanges of screen material extending outwardly from said compaction and coplanar with said other surface of said compaction.

2,355,609
WARP STOP MOTION KNOCKOFF DEVICE
Joseph Stuer, Lawrence, Mass.
Application November 28, 1941, Serial No. 420,822
6 Claims. (Cl. 139—353)



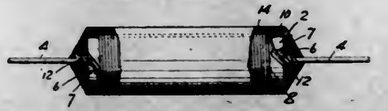
1. The combination in a loom which includes a stationary frame, a lay supported by and including swords pivoted to the frame, a crank shaft with a crank arm connecting the crank shaft with the lay, power means for revolving the crank shaft to reciprocate the lay and to operate the loom, and shipper means for stopping the loom operable by a knock off arm; of sensitive dagger moving devices including a plurality of warp thread drop wires each wire being in an electric circuit passing through a solenoid, which solenoid moves an armature when a thread breaks; a swing lever pivoted to the frame; with dagger mechanism including a dagger carried by said swing lever pivoted to the frame, stops to limit the movement of the dagger on the swing lever, a connecting rod from the swing lever to the knock off arm of the loom stopping mechanism and a dagger moving rod between the dagger and the armature of the solenoid; and an adjustable bunter including a knock off plate, the bunter being so attached to and located on the crank arm that its knock off plate will normally clear the free end of the dagger but will engage that end when the dagger is lifted by the dagger moving rod and so that as the plate moves with the crank arm it will so move the dagger, the swing lever and the knock off arm as to stop the loom.

2,355,610
TUBULAR BALLOON
Edgar C. Tuggle, Mocheim, Tenn.
Application August 14, 1942, Serial No. 454,823
2 Claims. (Cl. 244—24)



1. A tubular balloon comprising a casing that is formed from a rectangular piece of waterproof and gas-tight paperlike material; including a cloth strap looped across one end of the balloon with the strap ends secured to the balloon; and a small tube secured in the end of the balloon where strap is, one end of said tube extending outside of said casing.

2,355,611
CHOKE COIL, RESISTOR, OR THE LIKE
Hugh N. Veley, St. Marys, Pa., assignor to Speer Resistor Corporation, St. Marys, Pa., a corporation of Pennsylvania
Application March 15, 1943, Serial No. 479,213
8 Claims. (Cl. 201—63)

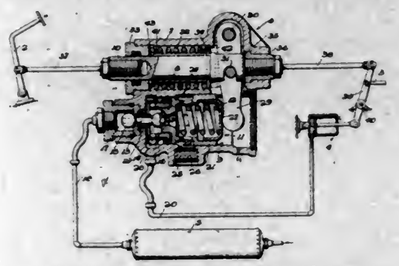


1. In combination, a molded plastic support having molded therein leads extending axially therefrom and notches adjacent to said leads, said support being at least partially conductive to afford conductivity between said leads, and a wire winding about said support having its ends bent into said notches, and coiled about said leads so that the winding is thereby fixedly anchored in place.

2,355,612
BRAKE VALVE
Stephen Vorech, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application December 28, 1942, Serial No. 470,373
1 Claim. (Cl. 303—54)

A valve mechanism of the follow-up type having a single unitary casing provided with a pair of substantially parallel bores, a manually operable plunger slidably mounted in one of said bores for operating the valve mechanism, self-lapping valve means positioned in the other bore including inlet and exhaust valves, a pressure responsive element for controlling the operation of the valves, and a graduating spring for controlling the operation of the member, means for effecting an operating connection between the

plunger and graduating spring including a lever having one end positioned in said one bore, and having an operative connection with said spring, a slot in said plunger, a pin carried by said lever for engagement with said slot, a pivot pin car-



ried by the casing for pivotally mounting the other end of said lever, and a port in one end of said bore for permitting removal of said lever therethrough on removal of said pivot pin and on dis-engagement of said lever pin from said plunger slot.

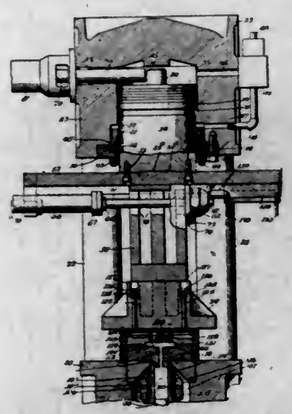
2,355,613

PRESS FOR MOLDING PLASTIC MATERIALS

George W. Wacker, Chicago, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois

Original application March 5, 1941, Serial No. 381,841. Divided and this application October 10, 1941, Serial No. 414,496

14 Claims. (Cl. 18—16)



1. In a press of the character described, a platen having a relatively long stroke, means for moving said platen and for exerting pressure thereupon, a ram having a relatively short stroke, means independent of said platen moving means for moving said ram independently of the platen and for exerting pressure upon the ram greatly in excess of the pressure exerted upon the platen by the platen moving means, the limit of the stroke of the ram terminating short of the platen, and means for interposing a compression member between the ram and platen, whereby the pressure of the ram will augment the pressure exerted upon said platen by the platen pressure exerting means.

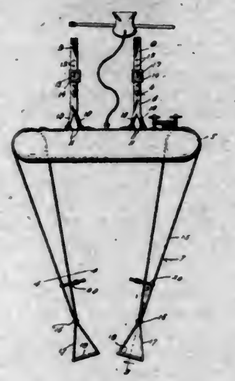
2,355,614

LIFE PRESERVER

Harry B. White, Wilmington, N. C.

Original application March 27, 1943, Serial No. 480,821. Divided and this application October 21, 1943, Serial No. 507,137

3 Claims. (Cl. 9—17)



1. A life saving apparatus comprising a floatable annulus, and foot stirrups depending from the annulus, each of said foot stirrups consisting of an endless strap disposed over the annulus and having its lower portion constricted to define a foot receiving loop.

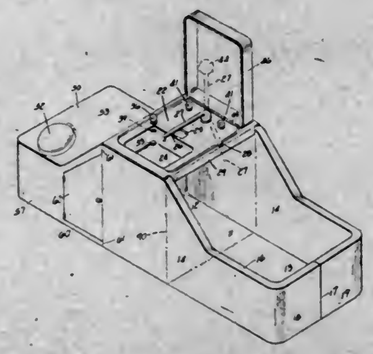
2,355,615

COMBINATION BATHROOM STRUCTURE

Louis W. Helmuth, Lakewood, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application March 16, 1940, Serial No. 324,361

5 Claims. (Cl. 4—2)



1. A combined tub and wash basin comprising a main waste pipe, a tub with drain opening, a wash basin structure bridged across and supported upon one end of the tub, said structure having a wash basin disposed within the tub with a waste water drain opening directly above the tub drain, and a drain pipe slidably mounted in the two drain openings and having an opening adjacent each drain opening, and said drain pipe being slidably mounted in said main waste pipe to either simultaneously open or close both drain openings.

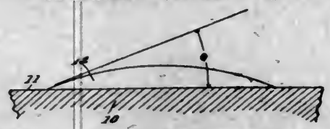
2,355,616

LUBRICANT

George E. Barker, Pittsburgh, Pa., assignor to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois

Application December 28, 1940, Serial No. 372,136

21 Claims. (Cl. 252—52)



1. A non-spreading lubricant consisting in major part of a stable aralkyl ether having an aliphatic chain of at least five carbon atoms, and having a benzene nucleus connected to the ether oxygen atom, said ether having a positive contact angle with a steel surface in excess of 10 degrees.

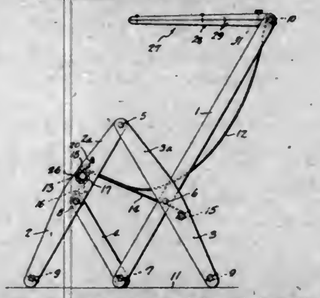
2,355,617

FOLDING CHAIR

Clarence F. Benjamin, Devon, Conn.

Application February 25, 1942, Serial No. 432,221

3 Claims. (Cl. 155—117)



1. A folding chair comprising laterally spaced side frames connected by transverse bars, said side frames including front and rear leg members pivoted together at their upper ends, a back member pivoted intermediate its length to the intermediate portion of the rear leg member, a link pivoted to the lower end of the back member and the intermediate portion of the front leg member, a rotatable roller mounted in and extending transversely between the front leg members, a flexible back and seat connected to the upper part of the back members and said roller, a rear cross bar mounted in and extending between the rear leg members, a flexible seat support under said seat connected to the roller and said rear cross bar and serving to limit the amount of separation of the front and rear leg members, said roller being rotatable to wind and unwind said back and seat member and the seat support thereon to vary the limit of separation of the front and rear leg members, and means for holding the roller against turning.

2,355,618

METHOD AND APPARATUS FOR PUMPING

Albert G. Bodine, Jr., Burbank, Calif.

Application April 17, 1941, Serial No. 389,030

45 Claims. (Cl. 103—1)

1. A method of pumping fluid along a fluid column of given length, which method includes the steps of: imposing a static pressure substantially above atmospheric pressure on all portions of said fluid column while transmitting through said fluid column asymmetrical waves comprising successive waves of condensation of large magnitude and intervening waves of rarefaction of an amplitude much less than said waves of condensation and while controlling the frequency of said asymmetrical waves in such manner as to maintain a condition of approximate acoustic resonance in said fluid column, in which condition there exists along said fluid column a zone of substantially greatest pressure variation; reflecting



said waves of condensation substantially at said zone of greatest pressure variation to aid in creating rarefactions tending to equal in amplitude the amplitude of said condensation waves; admitting fluid to said column adjacent such zone of reflection during each rarefaction to aid in making the wave transmitted through said column asymmetrical; and discharging fluid from said column at a position spaced from the point of admission of said fluid to said column.

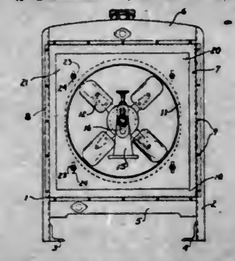
2,355,619

RADIATOR FAN SHROUD

Otto A. Bossart, Racine, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin

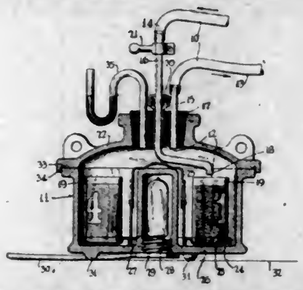
Application March 17, 1943, Serial No. 479,479

2 Claims. (Cl. 257—127)



1. In a cooling system for an internal combustion engine, a radiator, a belt-driven fan for increasing the flow of air through the radiator, means for adjusting the position of the fan along a predetermined path of adjustment to vary the fan belt tension, a primary fan shroud secured to the radiator adjacent the fan, a secondary fan shroud cooperating with the primary fan shroud and having a circular opening of a diameter approximately the same as the fan, and means for adjusting said secondary fan shroud in a direction parallel with the path of adjustment of the fan for aligning the fan and secondary shroud regardless of the adjustment of the fan.

2,355,620
FLUID SAMPLING DEVICE
John O. Bower and John P. Tarbox, Philadelphia, Pa., assignors to Foundation for Clinical and Surgical Research, Philadelphia, Pa., a corporation of Pennsylvania
Application February 5, 1941, Serial No. 378,708
4 Claims. (Cl. 73—21)



2. Apparatus of the type described comprising a transparent vacuum chamber formed of separable body and cap members, outlet and inlet conduits penetrating and supported by said cap member, said inlet conduit being centrally and rotatably positioned in said cap member and having a radially extending nozzle section adapted to supply fluid to plural containers concentrically arranged in said body member, and said body member having a re-entrant base projection wherein a lamp may be removably inserted.

2,355,621
FINNED TUBE
John W. Brown, Jr., Lakewood, Ohio, assignor to Brown Fintube Co., Elyria, Ohio, a corporation of Ohio
Application April 2, 1941, Serial No. 386,503
10 Claims. (Cl. 257—262)

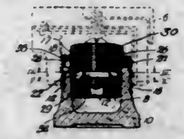


1. The method of making finned tubes which includes the steps of resistance welding the base of a channel section member having a base and two flanges extending therefrom to the exterior of a tube, thereafter bending said flanges toward each other to bring at least the outer edges thereof into contact with each other, and welding said edges together.

5. In combination, a tube of substantially uniform wall thickness and a closed hollow fin secured thereto, said fin comprising a channel section member having a base portion and two flanges, the base portion substantially conforming to the outer surface of the tube and being joined thereto by autogenously welded areas, the flanges being bent into contact with each other and joined together.

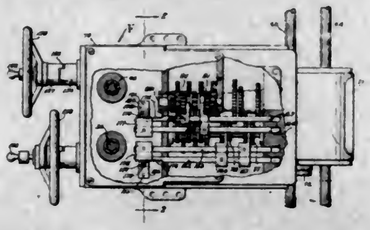
2,355,622
RENEWABLE FUSE PLUG
Emile P. Brez, Kansas City, Mo.
Application September 4, 1942, Serial No. 457,283
9 Claims. (Cl. 200—130)

1. A fuse plug of the character described comprising a hollow body of insulating material; a plug of insulating material projecting into the hollow body and provided with two intersecting bores; a fusible element partially circumscribing the plug and having one end thereof extending into one bore of the plug and the other end disposed against the outer portion of the plug; a cylinder of conducting material in telescoping re-



lation with the body and bearing against a length of the fusible element at the said other end thereof; a perforated plate of insulating material; and a contact post of conducting material fitted through the perforation of the plate, into the other bore and into engagement with the fusible element.

2,355,623
TRANSMISSION
Edward P. Bullard, III, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application October 12, 1939, Serial No. 299,134
28 Claims. (Cl. 74—359)

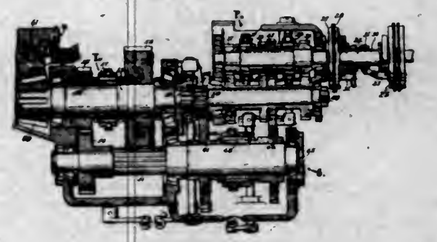


1. Apparatus comprising in combination, a shaft; means on said shaft adapted to be rotated in opposite directions; a variable-speed transmission for rotating the means on said shaft comprising a primary unit including a driving and driven shaft; a plurality of gears on said driving and driven shafts adapted to be selectively intermeshed; a secondary unit including a driven shaft; a plurality of gears on the driven shaft of said secondary unit; and a speed-reduction unit between said primary and secondary units having a plurality of gears adapted to be selectively intermeshed with the gears on the driven shaft of said secondary unit.

2,355,624
TRANSMISSION
Edward P. Bullard, III, Fairfield, and Edward N. Cowell and Frank H. Mussler, Stratford, Conn., assignors to The Bullard Company, a corporation of Connecticut
Application November 25, 1939, Serial No. 306,122
12 Claims. (Cl. 74—359)

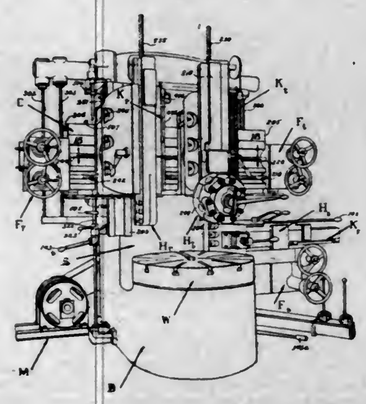
1. A transmission having less gears than the number of speeds at which said transmission is capable of driving a driven member comprising in combination, a driving shaft change-speed gearing on said driving shaft including a plurality of gears adapted to mesh with a like number of gears on a secondary shaft; a tertiary shaft having a plurality of gears mounted thereon and

adapted to mesh with a like number of gears mounted on said secondary shaft, one of said gears on said tertiary shaft being adapted to mesh with a gear on the secondary shaft which latter is adapted to mesh with a gear on said driving shaft; another gear on said tertiary shaft adapted to mesh only with a gear on said sec-



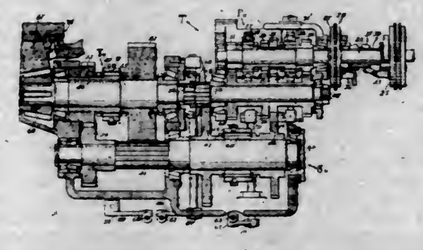
ondary shaft; additional gears on said tertiary shaft adapted to mesh with a like number of gears on a driven shaft, all of said shafts being located along three parallel axes; and means for selectively combining any of said intermeshing gears with any of the other intermeshing gears on other shafts to drive said driven member.

2,355,625
MACHINE TOOL
Edward P. Bullard, III, Fairfield, Frank H. Mussler, Stratford, Paul H. Lange, Bridgeport, Edward N. Cowell, Stratford, and Leroy R. Alvey, Bridgeport, Conn., assignors to The Bullard Company, a corporation of Connecticut
Application July 16, 1940, Serial No. 345,772
86 Claims. (Cl. 29—29)



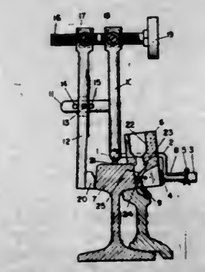
1. A lathe comprising in combination a tool support; a work-supporting spindle; a variable-speed headstock transmission for rotating said spindle at a plurality of speeds; a shaft in driving engagement with said transmission at its power input side; a parallel shaft in driving engagement with said transmission adjacent its power output side, said parallel shafts being located within said lathe; a pair of parallel shafts on the outside of said lathe; means for transmitting the rotations of said pair of parallel shafts within said lathe to the pair of parallel shafts on the outside of said lathe; and a separate transmission in driving engagement with said tool support and adapted to be driven by said parallel shafts on the outside of said lathe.

2,355,626
TRANSMISSION
Edward P. Bullard, III, Fairfield, and Edward N. Cowell and Frank H. Mussler, Stratford, Conn., assignors to The Bullard Company, a corporation of Connecticut
Original application November 25, 1939, Serial No. 306,122. Divided and this application February 15, 1941, Serial No. 379,022
17 Claims. (Cl. 192—3.5)



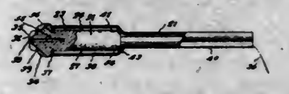
1. In a transmission including a plurality of movable elements, means for moving said elements comprising an oscillatable axially-movable member; means associated with said member for moving one of said elements when said member is moved from its one axial limiting position to its other axial limiting position; and means associated with said member for moving another of said elements only when said member is substantially mid-way between its axial limiting positions and upon oscillation of said member.

2,355,627
WELDING
Charles A. Cadwell, Cleveland, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio
Application January 21, 1941, Serial No. 375,099
1 Claim. (Cl. 75—27)



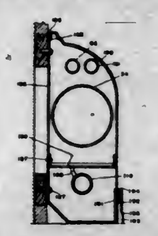
A welding material for use in an exothermic reaction, comprising a mixture of aluminum and a copper oxide containing an amount of combined oxygen sufficient when reduced by said aluminum during the said exothermic reaction to yield an amount of heat sufficient to elevate the entire molten metallic product of the reaction to a temperature of at least 2700° F. but not substantially in excess of 3500° F.

2,355,628
CATAMENIAL DEVICE AND METHOD OF MAKING SAME
Vernon Calhoun, Chicago, Ill.
Application January 18, 1941, Serial No. 375,069
27 Claims. (Cl. 128—285)



1. A catamenial device composed solely of two readily separable parts, one part comprising a slightly flexible tube of paper-like, soluble material forming a manually manipulated applicator and the other part comprising a plug of compressed absorbent material, said plug adapted when inserted by the applicator into the vaginal canal acting to form an intravaginal tampon, said plug including a substantially cylindrical body portion fitting loosely in an advance end of the applicator whereby the plug as a whole is free to assume a position with its axis at an angle to the axis of the advance end of the applicator, the advance end of said plug forming an enlarged expansible head located exteriorly of said advance tube end having a limited degree of universal articulation relative to the body portion and adapted to be engaged by the walls of the vaginal canal as they close in on the applicator after being distended by the advancing head, whereby the walls act to hold the head and then the tampon in position while the applicator is being withdrawn, and said plug including a flexible withdrawal member extending freely from the cylindrical body portion out through the other end of the tubular applicator and acting to hold together the material forming the advancing end of the withdrawing tampon.

2,355,629
AIR CONDITIONING SYSTEM
Willis H. Carrier, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Original application August 12, 1939, Serial No. 289,749. Divided and this application July 7, 1942, Serial No. 450,057
3 Claims. (Cl. 257—133)



1. A baseboard structure for housing air, liquid and drainage lines serving air conditioning units located remotely from a riser housing such lines, comprising a first element in the form of a bracket having an upright leg arranged to be attached to a wall, the top extremity of said leg being belled and a horizontal leg arranged to rest upon the floor, the horizontal leg having an upwardly extending flange, a second element resting upon the floor and secured to said flange, said second element being belled at its upper extremity to form a pocket between the belled portion and the upper extremity of the flange, a third element having one extremity resting upon the floor and another extremity fitting within said pocket, and a cover plate, said cover plate having an upper edge adapted to be slid into the space between the belled portion of said upright leg and the wall to which the upright leg is attached, the lower edge of the cover plate being adapted to be slid into said pocket.

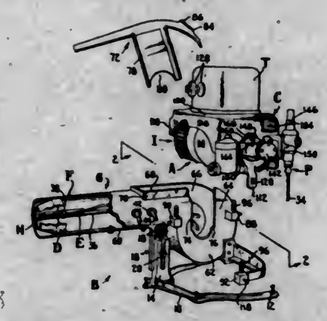
2,355,630
PHOTOGRAPHIC EMULSION
Burt H. Carroll and John Spence, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 20, 1943, Serial No. 472,986
16 Claims. (Cl. 95—7)

1. A photographic silver halide emulsion spectrally sensitized with a sensitizing cyanine dye, said emulsion containing, as a supersensitizer, an aromatic aldehyde selected from the group consisting of o-hydroxy benzaldehydes and non-ionic alkoxy aromatic aldehydes represented by the following general formula:

$$R-(CH=CH)_{n-1}-C(=O)-H$$

wherein n represents a positive integer of from 1 to 2 and R represents an aromatic nucleus carrying at least one alkoxy group on the nucleus.

2,355,631
OIL-BURNER CONSTRUCTION
George Irving Carter, Teaneck, N. J., assignor, by mesne assignments, to General Oil Heating Corporation, West New York, N. J., a corporation of New Jersey
Application December 17, 1935, Serial No. 54,848
11 Claims. (Cl. 158—76)

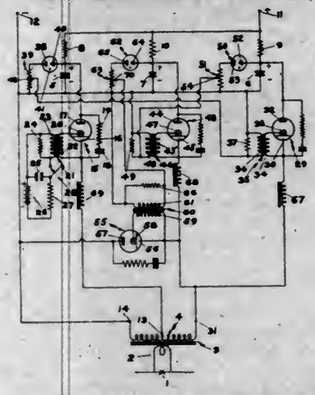


1. In oil-burning apparatus of the class wherein a blast-tube for the burner is in communication with a blower-casing, and wherein a blower in the casing is driven by power means; the combination with said blower and power means of a carrier; supporting means for the carrier, the supporting means including elements on the casing; the casing having an opening in a wall thereof; the carrier, the blower, the power means, and the supporting means being assembled so that lifting the carrier bodily out of, or lowering the carrier into, the casing will cause separation or assembly of carrier, blower, and power means as a unit from or with the casing; and means to close the opening for retaining carrier, blower, and power means in assembled relation to the casing.

2,355,632
COATED INSULATING TAPE
Joseph M. Coffey, Schenectady, Joseph J. Pickney, Ballston Lake, and Robert L. Griffeth, Delanson, N. Y., assignors to Mica Insulator Company, Schenectady, N. Y., a corporation of New Jersey
No Drawing. Application March 15, 1941, Serial No. 383,542
5 Claims. (Cl. 117—80)

3. Black insulating tape comprising a strip of sized bias fabric, a first coating thereon of vegetable drying oil, driers, asphaltum and chlorinated rubber, and a second coating thereon of vegetable drying oil, driers and asphaltum, the chlorinated rubber comprising 15 to 35% of said first coating.

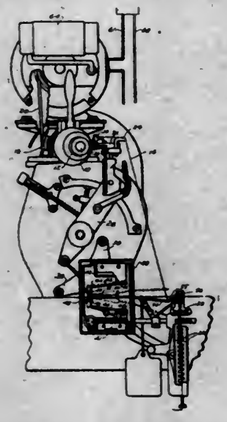
2,355,633
ELECTRICAL CONTROL SYSTEM
John W. Dawson, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 25, 1942, Serial No. 436,162
15 Claims. (Cl. 171—119)



1. In an electrical system, an impedance, a first circuit for supplying a pulse of current to said impedance, said first circuit including a gaseous rectifying tube adapted to be fired to establish said circuit, a second circuit for supplying a subsequent pulse of current to said impedance, means for establishing said second circuit before said first-mentioned pulse has expired and before said tube has become delonized, said second circuit being adapted to apply a potential to said tube, said potential being inverse to the voltage on said tube and substantially greater than the instantaneous voltage on said tube at the moment of the establishment of said second circuit and means for retarding the application of said potential to said tube until the current through said tube has decayed and said tube has become almost completely delonized before a substantial portion of said potential is applied thereto.

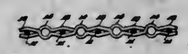
2,355,634
YARN WINDING MACHINE
Howard W. Doughty, Jr., Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts
Application October 30, 1941, Serial No. 417,104
31 Claims. (Cl. 242—45)

1. In a yarn winding machine driven by an electric motor, the combination of a pivoted lever having a yarn engaging member to be moved by changes in yarn tension, said member having an effective mass such that it may be oscillated at least several times a second by changes in said yarn tension, a pair of quick acting snap



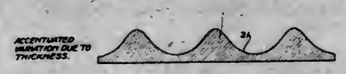
switches alternatively actuated by said member and controlling the supply of power to said motor and a variable biasing spring for varying the response of one of said switches to changes in yarn tension.

2,355,635
SCREEN OR WEBBING MATERIAL
William Dubilier, New York, N. Y.
Application March 16, 1940, Serial No. 324,415
8 Claims. (Cl. 139—420)



1. An open mesh resilient screen of a synthetic linear polyamide condensation product, said screen comprising single filament warp and weft strands of substantial thickness, permanent crimps in each of said strands, said strands being resilient about the crimp; alternate crimps being obtuse and complementarily registering at the strand intersections and intermediate crimps being spaced from said intersections.

2,355,636
PHOTOGRAPHIC MASKING
Ralph M. Evans, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 6, 1942, Serial No. 446,086
11 Claims. (Cl. 95—2)



1. The method of making a corrected print from a colored transparency which comprises modifying the optical transmission of the transparency by dyeing it, printing from the modified transparency a mask negative thereto, restoring the modified transparency to its original form and masking the restored transparency by said negative mask while making a print therefrom.

2,355,637
KEYBOARD FOR CALCULATING MACHINES
Ernané Faigle, Zurich, Switzerland
Application July 1, 1941, Serial No. 400,670
In Switzerland December 10, 1939
1 Claim. (Cl. 235—60)



In a column setting mechanism for calculating machines, a flexible setting rack, a column of digit keys and a zero key, a crank-operated drive bail, and a coupler releasably linking said bail and rack; said coupler comprising a base rail secured to said rack, a pawl pivotally mounted in said rail and at one end adapted to engage with and disengage from the said bail, and a spring-loaded by-pass pawl pivoted in the recessed other end of said first-mentioned pawl and adapted to exert a turning moment thereon when striking against a depressed key stem to release the bail from the coupler.

2,355,638
COLOR MARKING ELEMENT
Monie A. Ferst and Charles F. Wysong, Atlanta, Ga., assignors to M. A. Ferst, Ltd., Atlanta, Ga., a corporation of Georgia
No Drawing. Application May 1, 1943, Serial No. 485,362
7 Claims. (Cl. 120—83)

1. A color marking element comprising: a friable ceramic body including fired clay and a non-plastic hydrous silicate, said body having pores filled with a coloring impregnant.

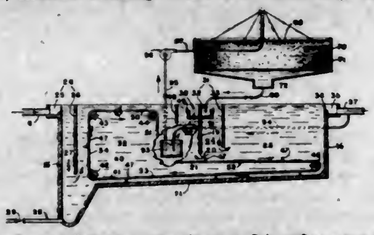
2,355,639
PENCIL LEAD
Monie A. Ferst and Charles F. Wysong, Atlanta, Ga., assignors to M. A. Ferst, Ltd., Atlanta, Ga., a corporation of Georgia
Application May 19, 1943, Serial No. 487,654
17 Claims. (Cl. 120—83)



1. The process of producing graphitic marking elements which comprises: preparing a mixture including graphite, bonding material, and a discrete distending material; forming a marking element thereof; firing the thus formed element; subjecting the element, at some stage subsequent to the forming operation, to treatment acting to reduce the volume of the distending particles, and filling the thus formed pores with an impregnant.

2,355,640
LIQUID CLARIFICATION APPARATUS
Anthony J. Fischer, Manhasset, N. Y., and William C. Weber, Westport, Conn., assignors to The Dorr Company, New York, N. Y., a corporation of Delaware
Application May 12, 1942, Serial No. 442,638
10 Claims. (Cl. 210—7)

9. A liquid-holding settling tank having a partial partition dividing the tank into functionally separate primary and secondary compartments that are in constant hydraulic communication through a passage area left because of the partition being only a partial one, liquid distributing means for and corresponding to each compartment, means by which initially supplied incoming liquid is passed to the liquid-distributing means for the primary compartment, supernatant collecting means at the upper portion of and serving only the primary compartment, supernantant collecting means at the upper portion of and serving only the secondary compartment, means leading from the collecting means



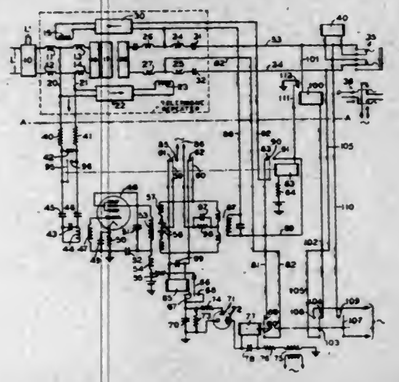
of the secondary compartment for releasing from the tank as clarified supernatant liquid a quantity of liquid corresponding to the quantity of initially supplied incoming liquid that is passed to the liquid-distributing means of the primary compartment, common sludge removal means for said compartments, and mechanical means for establishing and maintaining a positively impelled flow of liquid from the collecting means for the primary compartment into the liquid-distributing means of the secondary compartment sufficient in quantity to establish back-flow from the secondary compartment through said passage area and into the primary compartment.

2,355,641
SOFT HAMMER
Francis A. Gallant, East Orange, N. J., assignor to Victory Safety Hammer Corporation, East Orange, N. J., a corporation of New Jersey
Application February 27, 1942, Serial No. 432,614
5 Claims. (Cl. 145—36)



1. A hammer having a handle, a head of unitary construction mounted on said handle, said head being composed of a material which has the requisite mass, degree of hardness and plasticity, and having a striking portion of no greater area than the cross-sectional area of the head rearwardly of the striking portion and of sufficient thickness to absorb a large part of the shocks of use and undergo severe plastic deformation in continued use, said head having an interior chamber inwardly of the striking portion and lying back of a substantial part of said striking portion, the side walls of said head surrounding the chamber inwardly of the striking portion being of less thickness than the striking portion, and said chamber being adapted to receive a part of the striking portion as the material thereof undergoes such plastic deformation in use, whereby to avoid mushrooming of the material of the striking portion around the exterior edges of its striking face.

2,355,642
SYSTEM FOR THE CONVERSION AND RETRANSMISSION OF CONTROL SIGNALS
Ralph R. Gose, Forest Hills, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 25, 1942, Serial No. 456,029
15 Claims. (Cl. 179—84)



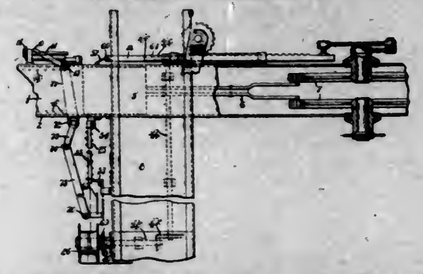
12. A signal conversion system comprising means for receiving and selecting an incoming alternating signaling current of a predetermined frequency modulated by a current of lower frequency, said means including a circuit tuned to the frequency of the said alternating signaling current, a rectifier circuit operatively connected to said tuned circuit for demodulating the received signaling current and producing a current having a frequency corresponding to the modulating frequency, a delay circuit operatively connected to said detector circuit comprising a relay responsive to the detected modulating frequency and having a vibratile armature with a periodicity such that the armature reaches a given amplitude only after a predetermined time interval, means including a source of current and contact elements associated with said vibratile armature for producing a different signaling current when the armature reaches said given amplitude, and means for applying said different signaling current to the outgoing circuit of the conversion system.

2,355,643
MEANS FOR POSITIONING OBJECTS
Atwood H. Grover, Rockaway, N. J.
Application August 7, 1942, Serial No. 454,080
7 Claims. (Cl. 214—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



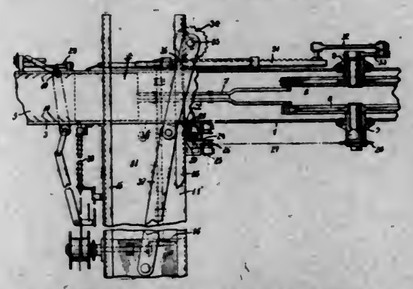
1. Apparatus for positioning objects comprising, a plate having a plurality of pins mounted thereon in spaced relationship and with pin axes substantially mutually parallel, a guide block mounted on the plate and having a hollow cylindrical portion surrounding a corresponding pin, a tray mounted on the guide block, said tray having a plurality of spaced hollow portions each of which is aligned with the axis of a corresponding pin.

2,355,644
BALE TIE
Jesse A. Haase, Martinsville, Ind.
Application July 31, 1941, Serial No. 404,880
15 Claims. (Cl. 100—20)



1. In a baling machine, the combination with a baling chamber and a reciprocating plunger operating therein, of a wire gripper arranged on one side of said chamber, a wire feed arranged on the opposite side of said chamber and movable across the chamber to feed a strand of wire to said gripper, means for feeding the material to be baled into said chamber in advance of said plunger and behind said wire strand whereby, when one end of the wire is gripped by the gripper, the strand will be fed forwardly in the baling chamber in advance of the material to be baled to form a bight enclosing the material to be baled, a wire tie mechanism arranged adjacent said gripper, means for oscillating said gripper longitudinally of said baling chamber to move the end of the wire gripped thereby into said wire tie mechanism and to cause said gripper to engage a strand of wire projected across the baling chamber, said gripper, when oscillated in an opposite direction, moving said second-mentioned strand into said wire tie mechanism to be tied to the first mentioned strand, means for operating said tie mechanism, and means for severing the tied wire from the source of supply.

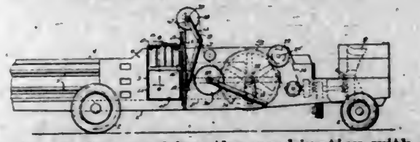
2,355,645
BALE FORMER
Jesse A. Haase, Martinsville, Ind.
Application July 31, 1941, Serial No. 404,881
11 Claims. (Cl. 100—25)



1. In a baling machine, the combination with a baling chamber and a reciprocating plunger operating therein, of a precompression chamber extending substantially transversely to the baling chamber and delivering into the side of said baling chamber, a reciprocating plunger operating in said precompression chamber and forcing the material to be baled into the receiving portion of the baling chamber in advance of the baling plunger, a vertically disposed knife adjacent the receiving portion of said baling chamber and hav-

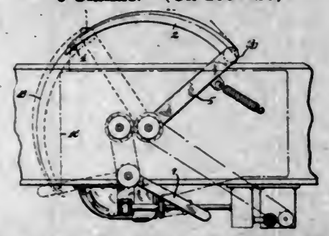
ing its blade lying in a plane intersected by the line of movement of said baling plunger and having its edge facing the material being moved by said precompression plunger, whereby said precompression plunger in moving the material into the baling chamber will force the same against the edge of said knife for severing said material from the source of supply.

2,355,646
HAY BALER
Jesse A. Haase, Martinsville, Ind.
Application April 15, 1942, Serial No. 439,073
6 Claims. (Cl. 100—25)



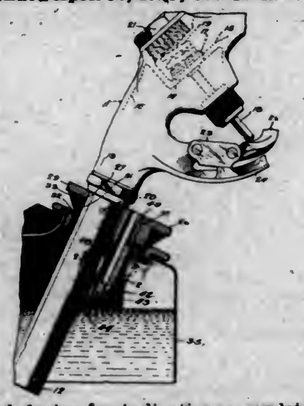
1. In a baling machine, the combination with a baling chamber and a reciprocating plunger operating therein, of a precompression chamber extending substantially transversely of the baling chamber and delivering into the side of said baling chamber, said precompression chamber having an opening in a side wall thereof to receive material to be baled, a support extending transversely of said precompression chamber, means for reciprocating said support longitudinally of said precompression chamber adjacent the top of said precompression chamber, a paddle suspended from said support and swingable about said support from a position in which said paddle substantially coincides with the cross sectional dimensions of said precompression chamber to a position in which said paddle extends from said support toward said baling chamber and above the floor of said precompression chamber, whereby material in said precompression chamber will be entrained by said paddle upon movement of said support toward said baling chamber but will not be entrained by said paddle upon movement of said support in the opposite direction, and means for closing said side wall opening of said precompression chamber during movement of said support in said first named direction only.

2,355,647
BALER WIRE GUIDE
Jesse A. Haase, Martinsville, Ind.
Application September 2, 1942, Serial No. 456,979
6 Claims. (Cl. 100—20)



1. In a baling machine, in combination, a baling chamber and a reciprocating plunger operating therein, a wire gripper disposed on one side of said chamber for gripping the free end of a wire extending across said chamber, said gripper being movable longitudinally back and forth of said chamber and being adapted to hold said free end while said gripper is in its forward position, a wire tie mechanism on the same side of said chamber as said gripper, a feeding needle reciprocable across the baling chamber from the side thereof opposite said gripper for projecting a wire loop across said chamber with one strand adjacent the rear end of a formed bale and the other extending from a source of supply, said gripper being movable rearwardly of the baling chamber for laying the free end of the wire in said tie mechanism and at the completion of its rearward movement being adapted to grip said needle loop and said gripper being movable forwardly for laying the strand of said loop which is adjacent said bale in said tie mechanism, and means for preventing the other strand of said needle loop from entering said tie mechanism as the bale strand of the loop is laid in said tie mechanism by the forward movement of said gripper.

2,355,648
SIGNALING DEVICE
Lowell F. Hammand, Washington, D. C.
Application November 29, 1941, Serial No. 420,969
1 Claim. (Cl. 116—109)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A signal device for indicating a predetermined level of liquid in a container, comprising a body adapted for temporary application to the filling orifice of a container, said body having an opening therethrough for the passage of a pouring nozzle, and a tube extending into the receptacle provided with a passage opening to the atmosphere through the upper end of the tube and a port communicating with the interior of the container, said tube having an elongated slot in one side thereof and a vibrating reed attached at one end to said tube and extending over said slot and adapted to be vibrated by a part of the air passing from the container as it is being filled, to emit an audible sound, said tube and reed being positioned to be enveloped by the liquid when the same has reached the desired level in the container, to prevent further vibration of the reed and thereby silence the same.

2,355,649
ELECTRIC METER
Robert D. Hickok, Bratenahl, Ohio, assignor to Cleveland Patents, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application April 21, 1943, Serial No. 483,925
11 Claims. (Cl. 171—95)

1. A meter movement of the character described, comprising a magnet, a cylindrical core, and a coil member, the magnet being of U form with opposed pole pieces, the coil member embracing and turning around the core in the air gap between the core and the pole pieces, supporting means connecting the core and magnet, the coil member having inner alined pivots ex-

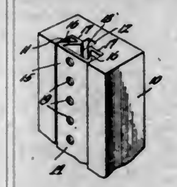


tending toward each other, and two jewel mounts mounted in the ends of the core and presenting sockets outwardly to receive the pivots, at least one of said jewel mounts being adjustable outwardly from the core to engage its pivot, and adjusting means for the adjustable jewel mount.

2,355,650
PRODUCTION OF VISCOSE
John Phillip Hollihan, Jr., Garden City, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 18, 1942, Serial No. 469,469
5 Claims. (Cl. 260—216)

1. In the process of producing cellulose xanthate, the step of reacting a water-containing alkali cellulose with carbon disulfide in the presence of a proportion of ammonia between 0.2% to 2% based on the total weight of alkali cellulose.

2,355,651
SHELVING SUPPORT
William T. Hormes, Catonsville, Md.
Application August 20, 1942, Serial No. 455,480
4 Claims. (Cl. 248—243)



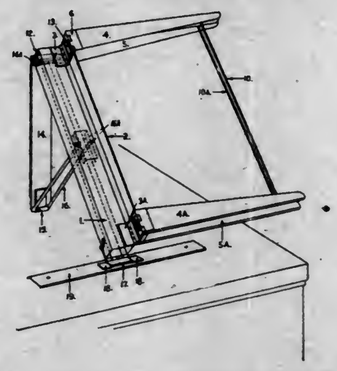
4. In a shelving structure, an elongated support member having a main support portion provided with a series of longitudinally aligned openings therein adapted to receive and sustain projecting portions of shelf engaging elements, said main portion having wing portions extending away from its edges and toward each other, so as to provide a narrow channel located opposite to and parallel with said aligned openings, whereby a narrow channel is provided to receive said projecting portions of the support members while engaged with said openings, so as to maintain said support members in alignment with each other.

2,355,652
SMOKING DEVICE
Ward M. Irvin, Battle Creek, Mich.
Application November 16, 1940, Serial No. 366,002
3 Claims. (Cl. 131—202)



1. As an article of manufacture, a tobacco smoker's appliance comprising a bit, said bit having a short solid bite end member with a knob end, a longitudinal passageway extending from the end of said bit opposite to said bite end, and terminating at the inner end of said solid bite member, and extending side members at the end of said passageway, said side members cooperating with said knob to provide three-point suspension for said bit under conditions of use.

2,355,653
SUPPORTING RACK
Dwight P. Joyce, Shaker Heights, Ohio, assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
Application June 12, 1942, Serial No. 446,689
12 Claims. (Cl. 45—80)

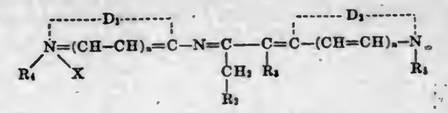


6. In a book holding assembly, a central supporting member, a book spine supporting member pivotally mounted at one edge of said central supporting member, book cover supporting arms pivotally mounted at each side edge of both the top and bottom of said book spine supporting member adapted to engage the top and bottom edges of the covers of a book and locking means connecting the book supporting arms for each book cover, for holding the covers securely in the respective book supporting arms.

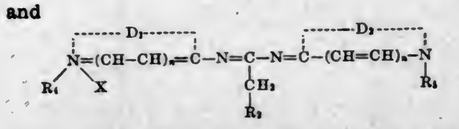
2,355,654
DYESTUFFS FOR USE IN PHOTOGRAPHY
John David Kendall and Douglas James Fry, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
No Drawing. Application August 21, 1941, Serial No. 407,840. In Great Britain October 16, 1940
8 Claims. (Cl. 260—240)

1. Process for the production of dyestuffs which comprises condensing a compound selected from

the group consisting of compounds of the general formula:

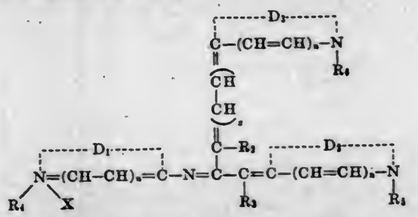


and



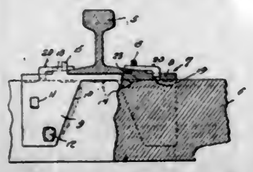
(where R_2 and R_3 are selected from the group consisting of hydrogen, alkyl, aryl and aralkyl groups, R_4 and R_5 are selected from the group consisting of alkyl and aralkyl groups, X is an acid residue, n is selected from the group consisting of nought and one and D_1 and D_2 are residues of heterocyclic nitrogen nuclei of the type used in cyanine dyes) with a second quaternary salt of a heterocyclic nitrogen compound of the type used in cyanine dyes containing a reactive group selected from the group consisting of the reactive thioether, selenoether and aminovinyl types of group in a position relative to the heterocyclic nitrogen atom selected from the group consisting of the α and γ positions.

5. Dyestuffs of the general formula:



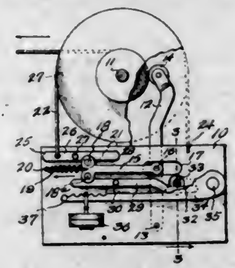
where R_2 and R_3 are selected from the group consisting of hydrogen, alkyl, aryl and aralkyl groups, R_4, R_5 and R_6 are selected from the group consisting of alkyl and aralkyl groups, X is an acid residue, n is selected from the group consisting of nought and one, x is selected from the group consisting of 0, 1, 2 and 3 and D_1, D_2 and D_3 are residues of heterocyclic nitrogen nuclei of the type used in cyanine dyes.

2,355,655
TIE PLATE
Ernest L. Kidd, Glenhayes, W. Va.
Application November 2, 1942, Serial No. 464,229
1 Claim. (Cl. 238—299)



In a tie plate, a rigid elongated top plate resting on a top face of a tie and including projections to bite into said tie under said plate, depending portions integral with opposite edges of said plate and throughout the entire length of the top plate to engage opposite faces of the tie and each provided with openings and a cutout extending from a point below said top plate and opening outwardly through the lower edge of the depending portion, spikes driven into the tie by way of the openings, pointed metallic strips driven in the tie by way of the openings and engaged by the spikes during the latter's movement into the tie, ribs formed on the top plate transversely thereof and extending the full width of said plate and receiving a base of a rail therebetween, upstanding flanges formed on the ribs and provided with openings, spaced ribs formed on the first-named ribs and the flanges and extending transversely of the first-named ribs for the full width of the latter, said top plate having openings adjacent the second-named ribs, and L shaped keys wedged in the openings of the top plate and lying between the spaced ribs and having a tight fit therewith and extending through the openings of the flanges with a tight frictional fit therewith and engaging over the base of the rail.

2,355,656
AUTOMATIC CONTROL FOR THE LETOFF MECHANISM OF LOOMS
Yervant H. Kurkjian, Clifton, N. J.
Original application March 2, 1943, Serial No. 477,743. Divided and this application September 28, 1943, Serial No. 504,181
4 Claims. (Cl. 139—107)

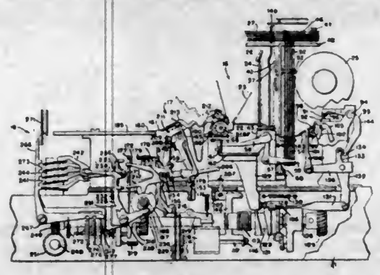


1. An automatic let-off control of the class described comprising a let-off mechanism, a beam forming part of said mechanism, a warp wound upon the beam, a brake drum carried by the beam, a brake band passing over the drum, a brake lever mounted adjacent the drum, the brake band engaging one end of the brake lever, a pivot supporting the brake lever, a swinging warp-engaging arm, a link connected to said arm, aligned rollers carried by one end of said link, a pivoted intermediate lever, one of said rollers engaging said brake lever and the other roller engaging one end of said intermediate lever, a pivoted lever engaging the opposite end of said intermediate lever, and an adjustable tension means carried by the outer end of said lever.

2,355,657
PRINTING TELEGRAPH APPARATUS
Ross A. Lake, Oak Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 20, 1941, Serial No. 411,660
14 Claims. (Cl. 178—17)

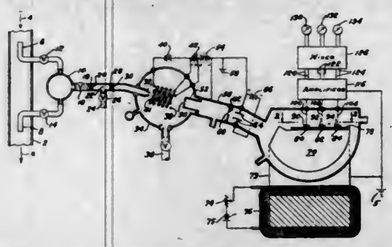
12. In a telegraph apparatus, a mechanism to record indicia on a tape, mechanism to sense indicia on the tape, said sensing mechanism being in juxtaposed relation with and movable with respect to said recording mechanism, a plurality of sensing elements in said sensing mechanism to be cyclically moved into probing relation with

the tape, and means controlled by a predetermined one of said sensing elements to interrupt



the operation of said sensing mechanism in response to a predetermined condition of the tape.

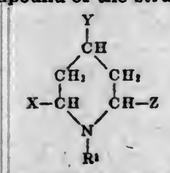
2,355,658
METHOD AND APPARATUS FOR MASS SPECTROMETRY
Reed C. Lawlor, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application April 17, 1940, Serial No. 330,127
13 Claims. (Cl. 73—51)



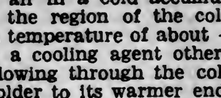
1. In a mass spectrometer the combination which comprises a plurality of ion collectors each disposed in said mass spectrometer at such positions as to respectively collect charges carried by ions of different mass-to-charge ratio, at least one electric signal indicator, and electric means connecting each of said collectors to at least one of said indicators, said electric means including signal combining means connecting at least one of said indicators to a plurality of said collectors.

2,355,659
PIPERIDINE DERIVATIVES AND PROCESS FOR THE MANUFACTURE OF THE SAME
John Lee, Nutley, and Werner Freudenberg, Cranford, N. J., assignors to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application December 15, 1939, Serial No. 309,480
12 Claims. (Cl. 260—293)

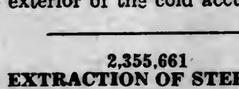
1. A compound selected from the group consisting of a compound of the structure



and its salts wherein R^1 is a radical selected from the group consisting of hydrogen, lower alkyl, hydroxyalkyl and alkoxyalkyl radicals, X is a radical selected from the group consisting of

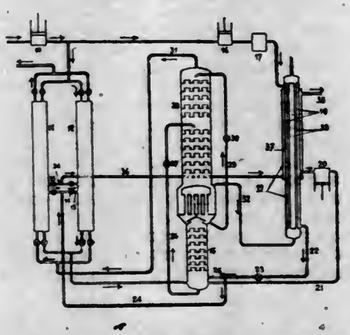


and



wherein one of R^2 and R^3 is a lower alkoxy radical and the other a radical selected from the group consisting of hydrogen, lower alkoxy and hydroxy radicals, and one of the radicals Y and Z is hydrogen and the other the same radical as the radical X.

2,355,660
PROCESS FOR REMOVING THE SUBSTANCES CONDENSED IN COLD ACCUMULATORS IN THE COOLING OF GASES
Jean Le Rouge, Boulogne-sur-Seine, France; vested in the Alien Property Custodian
Application May 4, 1937, Serial No. 140,767
In Great Britain May 18, 1936
15 Claims. (Cl. 62—175.5)

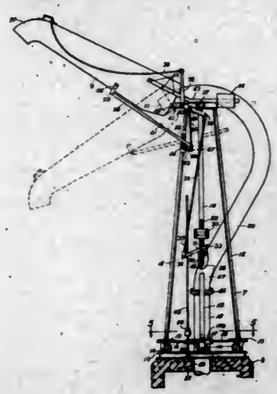


1. In the process of cooling carbon dioxide-containing air in a cold accumulator, the step of cooling the region of the cold accumulator in which a temperature of about —140° C. is obtaining by a cooling agent other than the gas which is flowing through the cold accumulator from its colder to its warmer end, and supplied from the exterior of the cold accumulator.

2,355,661
EXTRACTION OF STEROLS
Robert F. Light, Mount Vernon, Herbert Kothe, Bronx, and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application March 21, 1941, Serial No. 384,582
6 Claims. (Cl. 260—397.2)

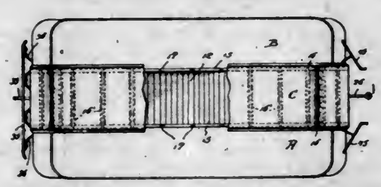
1. A method for extraction of a sterol, which comprises incorporating a solid caustic alkali with a sterol-containing material, permitting liquefaction of the material to take place under the influence of the caustic alkali, heating to effect release of combined sterol then adding to the thus liquefied mass a solvent therefor which is miscible with water and unaffected by alkali, and separating sterol from the solution so obtained.

2,355,662
WATER DELIVERY APPARATUS
John T. McGarry and Howard A. Eads, Cincinnati, Ohio; said Eads assignor to said McGarry
Application January 27, 1942, Serial No. 428,394
23 Claims. (Cl. 137—21)



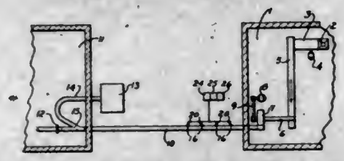
1. A railway water service device which comprises in combination: an upright water supply pipe including a discharge nozzle for directing a stream of water from the supply pipe, a valve controlling the passage of water through the nozzle, an adjustable down-turned spout arranged to receive the stream of water from the nozzle, and supporting means for the spout, a valve actuating mechanism selectively operable for opening and closing the valve, and means including a lock bar operative to lock the spout to the supporting means substantially concurrently with disposition of the valve actuating mechanism to open-valve condition, said lock bar bracing the spout from below so as to be placed under tension by kick-up movements of the spout incident to the flow of water therethrough.

2,355,663
TRAILER
Jacob J. McGlothlin, Rowlandville, Md.
Application March 8, 1943, Serial No. 478,393
2 Claims. (Cl. 296—23)



1. In a trailer, a body composed of intermediate and outer sections, said intermediate section overlapping the outer sections and provided with shoulders, ribs formed on the outer sections to abut said shoulders and provided with grooves provided with undercut walls, strips having beveled faces fitting within the grooves and secured to the inner face of the intermediate section, a frame for the support of the body and composed of telescopic sections to permit the body sections to be adjusted, and supporting wheels carried by the frame.

2,355,664
FIRE CONTROL APPARATUS
Ira H. McMann, Danville, Va.
Application August 16, 1940, Serial No. 352,932
9 Claims. (Cl. 169—2)



1. The combination with a tube for pneumatically conveying combustible materials, of fire control apparatus, comprising, a light sensitive device arranged to receive light rays emanating from burning material within the tube, and means responsive to said light sensitive device for diverting the material in the tube from its normal path toward a point where it is no longer dangerous.

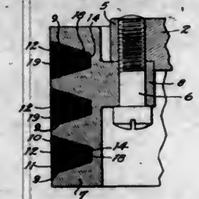
2,355,665
HINGED COVER CONTAINER
David W. Mabee, North Haven, Conn., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application August 5, 1942, Serial No. 453,631
12 Claims. (Cl. 229—51)



1. In container construction, a paper-board shell having enclosing side wall panels and closed end panels, a hinge forming score line extending transversely across one of said side wall panels, and a severable line of weakness extending transversely across all other side wall panels dividing said shell into a box part and a hinged cover part, one of said sidewall panels having a section providing a hinged abutment flap on the box part and another section severable from said first named section providing a fixed abutment flap on said cover part.

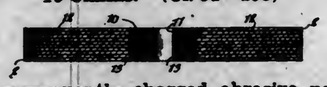
2,355,666
TRANSMISSION GEARING
Laurence B. MacGregor, Long Beach, Calif., assignor, by direct and mesne assignments, to L & M Rubber Products, Inc., Long Beach, Calif., a corporation of California
Continuation of application Serial No. 403,977, July 25, 1941. This application October 13, 1943, Serial No. 506,114
2 Claims. (Cl. 74—230.7)

1. Transmission gearing, comprising, a pulley provided with a wedge-shaped belt groove, a normally wedge-shaped belt designed to engage said groove, with side walls of said belt in driving contact with the walls of the groove, said belt being of sufficient depth to be normally non-flexing transversely when its inner face is appreciably spaced from the bottom of the groove, and a fillet formed of a material more resilient than the belt and mounted in the bottom of the groove, said fillet being designed so that its outer face



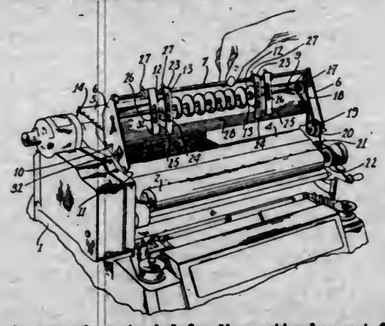
is slightly spaced radially from the inner face of the belt to be normally out of contact therewith.

2,355,667
ABRASIVE ARTICLE
Romie L. Melton and Albert L. Ball, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application August 30, 1941, Serial No. 408,936
16 Claims. (Cl. 51—193)



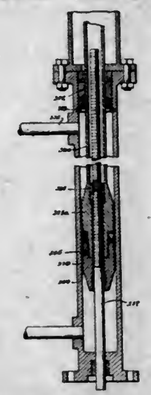
1. A permanently charged abrasive polishing wheel of high flexibility comprising a plurality of felted layers of textile fibrous material having a major portion of the abrasive polishing material and a non-smearing binder included internally throughout the individual fibrous layers, said abrasive-containing layers of fibrous material being adhesively united about the arbor of said wheel, said wheel containing interposed layers of spacing material between the fibrous layers of the article, said interposed layers being substantially co-extensive with the area of the wheel which has been adhesively united.

2,355,668
STRIP FEEDING ATTACHMENT
Kenneth P. Morse, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application July 21, 1941, Serial No. 403,311
15 Claims. (Cl. 197—133)



5. A record material feeding attachment for a writing or imprinting machine having a rotary platen roll, including a frame supportable upon the machine, an axially adjustable pin wheel mounted therein in elevated rearwardly disposed relation with the platen roll of the machine, an upwardly and rearwardly inclined slotted guide plate mounted on the frame for both oscillatory and lateral bodily shifting movement, and an adjustable retainer member overlying the guide plate, the pin wheel, guide plate and retainer member being adjustable transversely of the path of travel of the record material to accommodate material of different widths or differently disposed relative to the machine, and driving means for actuating the pin wheel in synchronism with the rotation of the machine platen.

2,355,669
OPERATING PISTON FOR OIL WELLS
Jesse Moser, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application March 15, 1941, Serial No. 383,495
5 Claims. (Cl. 309—4)

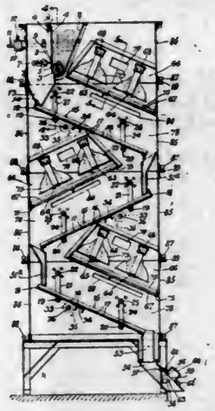


4. In a reciprocating motor for a hydraulic system, a cylinder, a piston therein, means for the inlet and outlet of pressure liquid at the ends of the cylinder for reciprocating the piston in the cylinder, a piston rod extending through one end of the cylinder, a first piston part, a second piston part, sealing means for wiping the cylinder walls disposed between the piston parts, screw thread means for connecting the two piston parts and clamping the wiping means therebetween, said piston parts having aligned axial openings therethrough for receiving the piston rod, said piston rod being threaded at its end, cooperating threaded means associated with the second piston part for uniting the piston rod and the second piston part, a hollow extension on the second piston part of less diameter than the piston and extending out through the end of the cylinder, packing means at the last mentioned end of the cylinder, the hollow extension having a length at least equal to that of the stroke of the piston and serving to reduce the volumetric capacity of the cylinder on one side of the piston, and screw threaded means in the hollow extension for locking the threaded connection between the piston rod and the second piston part.

2,355,670
APPARATUS FOR TREATING WHEAT GERMS
Paul Nacher, Evanston, and Maurice T. Williams, Oak Park, Ill., assignors to B. F. Gump Co., Chicago, Ill., a corporation of Illinois
Application August 13, 1941, Serial No. 406,662
4 Claims. (Cl. 34—164)

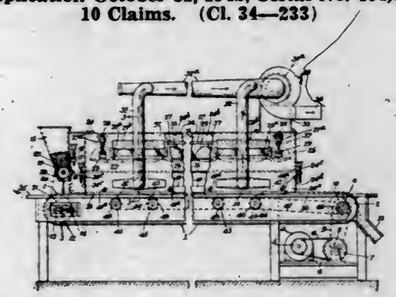
1. An apparatus for treating wheat germs comprising a housing, an agitating member movably mounted in said housing, means for delivering the wheat germ to said agitating member, a vibrating member for vibrating said agitating

member, an infra-red electric lamp above said agitating member and means for directing the rays therefrom upon the agitating member, a closed receptacle into which said infra-red lamp is received, and means for simultaneously re-



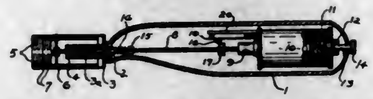
moving and inserting air into the space above said agitating member, separate means for inserting into and removing air from the closed receptacle enclosing said infra-red lamp, and means for removing the wheat germs from said housing.

2,355,671
APPARATUS FOR TREATING GERMS OF WHEAT
Paul Naeher and William M. Williams, Evanston, Ill., assignors to B. F. Gump Co., Chicago, Ill., a corporation of Illinois
Application October 31, 1942, Serial No. 464,044
10 Claims. (Cl. 34—233)



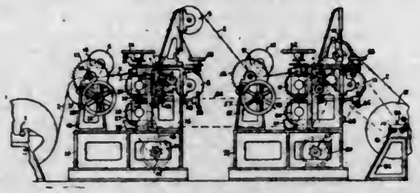
1. An apparatus for treating granular material, comprising a housing, open at the bottom, a movable conveyor forming a continuous movable closure for the open bottom of the housing, but spaced away from the lower front and rear edges of the housing, and upon which the granular material is placed, a plurality of infra-red lamps in said housing arranged to direct infra-red rays upon the granular material, means for moving said conveyor along beneath said infra-red lamps so that the rays of the infra-red lamps successively contact the said granular material, movable agitating members at intervals along said conveyor which engage said conveyor and move it so as to agitate said granular material so as to change the portions thereof contacted by the infra-red rays.

2,355,672
ELECTRIC SHAVER
Herbert E. Page, Syracuse, N. Y.
Application June 30, 1938, Serial No. 216,785
11 Claims. (Cl. 30—43)



11. In a dry shaver, a cutter head including a driven rotatory cutter element having radially disposed blades, and a hollow perforated cutter element circular in cross-section mounted in surrounding relation to and adapted for free turning movement with reference to the driven cutter element and for rolling engagement with the skin while the driven cutter element is being driven to turn independently of and with reference to said cutter element.

2,355,673
APPARATUS FOR COATING WEBS
Edward Person, Brooklyn, N. Y., assignor to General Felt Products Inc., a corporation of New York
Application July 22, 1940, Serial No. 346,717
4 Claims. (Cl. 91—33)



1. In apparatus for coating webs, the combination with a roll adapted to receive coating from a bath, of a second roll spaced from said first-mentioned roll to permit the coating to pass between said rolls whereby said coating is carried from said bath to said second roll and by said second roll to the web and means for passing a web in contact with the coating upon the said second roll, said web contacting the coating on said second roll at a region remote from that where the rolls closest approach each other, the space between said rolls being free for the passage of the coating, means for moving the axis of one roll with relation to the axis of the other roll, a smoothing bar receiving the web from said rolls, a third roll receiving the web from said bar, a fourth roll above said third roll and receiving the web therefrom, a fifth roll at a lower level than, and receiving the web from said fourth roll, means for operating said roll-axis-moving means, the last-mentioned means extending longitudinally of the apparatus into a position longitudinally between said fourth and fifth rolls and remote from said first two mentioned rolls where said last-mentioned means is operable by an operator inspecting the coated web.

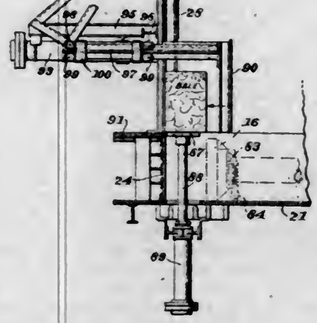
2,355,674
EXHAUST PIPE EXTENSION
George E. Peters and Linus E. Russell, Springfield, Ohio, assignors to Peters and Russell, Inc., Springfield, Ohio, a corporation of Ohio
Application September 30, 1938, Serial No. 232,628
2 Claims. (Cl. 138—46.5)

1. An exhaust pipe deflector, comprising two flaring shells having downturned marginal portions disposed one within the other in axially concentric relation, at least one of which includes a neck portion positionable about the terminal portion of an exhaust pipe, the respective shells both being open on their undersides and closed at



their terminal ends, including a terminal marginal portion of the inner shell extending below the corresponding terminal marginal portion of the outer shell and means for conjointly connecting the dual shell structure to a vehicle exhaust pipe.

2,355,675
BALING PRESS
William A. Pryor and Thomas R. Harris, Cordele, Ga., assignors to Harris Foundry & Machine Company, Cordele, Ga., a partnership
Application October 12, 1942, Serial No. 461,720
17 Claims. (Cl. 78—42)

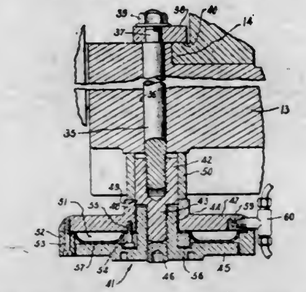


1. In a baling press, a press box in which the material is given a final compression, a platform located at one end of the press box and normally forming a portion of the floor of the press box and upon which the bale is compressed to final form, means for raising the platform to a position above the press box, an extractor platen horizontally movable to and from a position inwardly of the press box and platform to move the bale from the platform to a point exteriorly of the press box, means for operating the extractor platen, and guiding and supporting means for the extractor platen including a pair of spaced bars having their inner ends secured to said platen, each bar having a longitudinally extending flange, a pair of spaced stationary frame members, and a pair of spaced rollers mounted on each frame member and engageable with one of the bar flanges, whereby upon movement of the extractor platen the flanges will ride on and between the rollers.

2,355,676
LYMPHOGRANULOMA VENEREUM ANTIGEN AND METHOD OF PREPARING IT
Geoffrey W. Rake, Kingston, and Morris F. Shaffer, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application March 7, 1941, Serial No. 382,168
8 Claims. (Cl. 167—78)

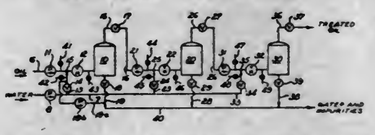
5. The method of preparing a lymphogranuloma-venereum antigen which essentially comprises inoculating mammal lung with a high-titer lymphogranuloma-venereum virus, propagating the virus therein, preparing a suspension of the lung material in a suitable aqueous medium, removing inactive material therefrom by differential centrifugation, and rendering the suspension non-infectious.

2,355,677
CLAMPING DEVICE
Stafford M. Ransome, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application November 2, 1942, Serial No. 464,181
6 Claims. (Cl. 90—11)



1. Mechanism for clamping a movable member in its supporting guideway having, in combination, a sleeve, a rod slidable therein, a flange on said sleeve, a diaphragm lying against said flange, inner and outer rings clamping the inner and outer margins of said diaphragm against said flange, a disk loosely fitting within said outer ring and connected to said rod, means for admitting fluid under pressure between said diaphragm and said flange whereby to expand the diaphragm against said disk and cause relative axial movement between said rod and sleeve, and means actuated in such movement to clamp said member in said guideway.

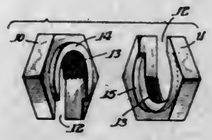
2,355,678
METHOD FOR REMOVING IMPURITIES FROM HYDROCARBONS
Claudius H. M. Roberts, Palos Verdes Estates, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application August 21, 1939, Serial No. 291,215
15 Claims. (Cl. 204—190)



1. A process for treating a mineral oil containing no more than a few per cent of water, said

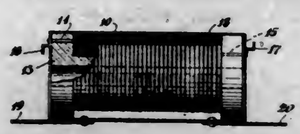
oil containing naturally-occurring emulsifying agents tending to stabilize oil-continuous emulsions and said oil containing water-dispersible impurities, the process being adapted to reduce to a desired extent the amount of such impurities, which process includes the steps of: subjecting said oil to successive dispersing steps each followed by a treating-separating step, each dispersing step comprising dispersing water into the oil, which water is sufficiently fresh to extract impurities from the oil and each dispersing step being conducted in such manner as to form a dispersion containing droplets of the added water existing separately from impurities, and each treating-separating step including subjection of the resulting dispersion to the action of an electric field of sufficient intensity to coalesce the aqueous phase and cause impurities to become associated therewith, each treating-separating step including also the separation of the coalesced aqueous phase containing the associated impurities to produce an oil containing a residual quantity of water, whereby the oil resulting from the first treating-separating step and as modified by treatment in the electric field of said first treating-separating step is subsequently subjected to another dispersing step followed by another treating-separating step.

2,355,679
SLIP-ON LOCK DEVICE
Frank L. Roxs and Archie Macdonald, Evanston, Ill.; said Macdonald assignor to said Roxs
Application November 11, 1942, Serial No. 465,200
4 Claims. (Cl. 85—32)



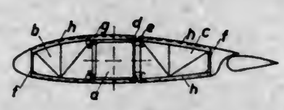
1. A slip-on locking device adapted to be transversely slipped onto a screw-threaded bolt or shaft comprising in combination a pair of opposed nuts, each of said nuts having an arcuately screw-threaded bore, and each having an open slot extending from their outer peripheral edge to the center thereof, each slot having a width which is sufficient to receive a screw member complementary to the arcuate threads in the bore, an arcuate collar on the face of one of said nuts extending from one edge of the slot to the opposite edge and a female socket on the opposed face of the other nut for receiving and registering with said collar.

2,355,680
ELECTRICAL RESISTOR DEVICE
Samuel Ruben, New Rochelle, N. Y.
Application September 7, 1940, Serial No. 355,765
10 Claims. (Cl. 201—67)



1. An electrical resistor adapted to operate at high temperatures comprising a wound coil of refractory metal resistance wire, said wire having over substantially its entire surface a thin, hard, round uniform substantially non-softening adherent coating of inorganic insulating material of the high heat resistant silicates and oxides type, said coating being heat bonded to the surface of said wire, said coating containing a relatively small amount of insulating organic binder, at least in the order of 5%, but insufficient to render said coating conductive at temperatures beyond the carbonization point of said organic binder, said insulated wire being flexible and bendable, said insulated wire being unseparated between the turns of the coil.

2,355,681
AIRCRAFT WING
Emil Scheler, Vegesack, near Bremen, Germany, and Adolf K. Rohrbach, deceased, late of Bremen-Oberneuland, Germany, by Gustav Edzard, administrator, Bremen, Germany; vested in the Alien Property Custodian
Application June 13, 1940, Serial No. 340,336
In Germany April 17, 1939
6 Claims. (Cl. 244—124)

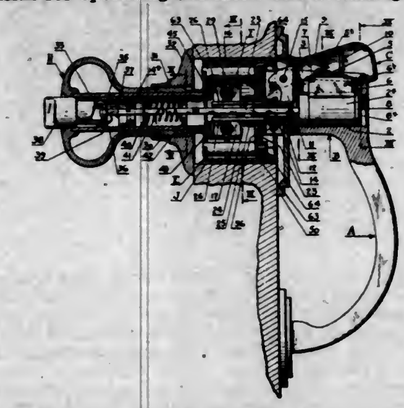


1. An aircraft wing, comprising a closed hollow spar capable of resisting bending and twisting forces and constituting an independent structural element extending over the entire length of the wing, a removable front wing part, a removable rear wing part, said parts extending transversely to said spar and completely enclosing said spar and having contacting surfaces extending along the rear wall of said spar and forming a single seam upon the upper surface of the wing and a single seam upon the lower surface of the wing, each of said parts comprising a covering wing skin, comparatively strong transversely extending supporting ribs connected to an inner surface of the covering wing skin, comparatively weaker transversely extending supporting ribs, sections connected with said ribs and extending close to and along said spar, and a separate auxiliary support in each wing part, said auxiliary supports being comparatively removed from said spar and extending parallel thereto, said auxiliary supports connecting said ribs with each other and also connecting ribs connected to an upper portion of said skin with the ribs connected to a lower portion of said skin; skin-strengthening means situated at a few points of the wing close to said spar, and connecting means carried by said spar opposite said skin-strengthening means and receiving the same for detachably connecting said wing parts with said spar.

2,355,682
DOOR LOCK
Walter R. Schlage, Burlingame, Calif.
Application December 22, 1941, Serial No. 424,089
7 Claims. (Cl. 70—147)

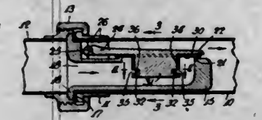
4. In a door lock, a latch bolt actuating unit, a latch bolt adapted to be retracted thereby, a thumb depressable lever operable from the exterior side of the lock to operate the latch bolt actuating unit, a key mechanism mounted on the exterior side of the lock, said key mechanism being both rotatable and longitudinally movable,

means actuated by rotation of the key mechanism for operating the latch bolt actuating unit,



and means actuated by longitudinal movement of the key mechanism for dogging the thumb depressable lever against operation.

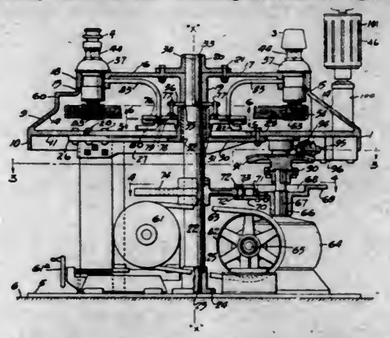
2,355,683
CHECK VALVE
Paul F. Sharp, Ithaca, N. Y., assignor to Cornell Research Foundation, Inc., Ithaca, N. Y., a corporation of New York
Original application April 9, 1942, Serial No. 438,216. Divided and this application April 21, 1942, Serial No. 439,837
6 Claims. (Cl. 251—123)



5. A check valve comprising a valve seat member adapted to be extended into the end of a pipe and having a substantially horizontal seat provided with a vertical passage therethrough elongated in the direction of the length of the pipe and of a cross-sectional area approximating that of said pipe, said seat member also having in its upper side a cross-shaped substantially vertically extending open-top guide recess, a flap valve adapted to be seated on said seat and having at one end a cross-head loosely fitted in said guide recess, said cross-head being adapted to be slipped in or out of said recess through said open top thereof, said flap valve also having a flange extending lengthwise thereof and depending from the underside thereof, a gasket having a slot receiving said flange and extending across the seating section of said valve, and a member adapted for slip-on and slip-off engagement with said flange below said gasket for holding the latter in position against the underside of said valve.

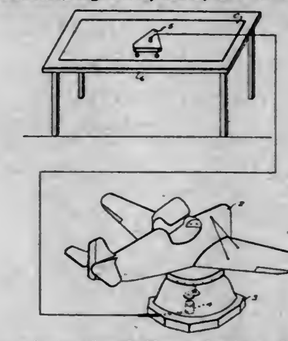
2,355,684
INSULATOR CUTTING MACHINE
Edward M. Skipper, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland
Application July 31, 1941, Serial No. 404,941
14 Claims. (Cl. 25—3)

1. In a machine of the character described, the combination of a table, means for intermittently rotating said table, a plurality of spindles equally spaced about the periphery of and carried by said table, means for rotating some of said spindles, a plurality of rotatable cutting means occupying a



fixed position adjacent a like number of spindles when the table is at rest, and means for rotating said cutting means whereby each spindle is successively positioned opposite each cutting means.

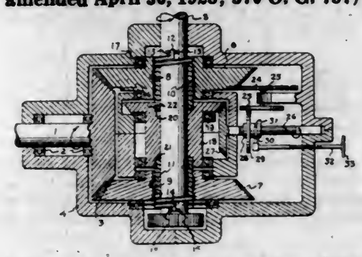
2,355,685
WIND SIMULATOR DEVICE FOR GROUND TRAINERS
Raymond K. Stout, Dayton, Ohio
Application April 15, 1943, Serial No. 483,103
9 Claims. (Cl. 35—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A wind simulating device for aviation ground trainers of the character wherein a power propelled course recorder is directionally controlled by the trainer though the medium of an electrical remote motion transmission including a transmitter actuated by the rotation in azimuth of the trainer and a receiver associated with the recorder for directionally controlling the same, comprising in combination with said motion transmission, steering means for directionally controlling said recorder, a differential having an output drive and two input drives, a connection between said output drive and said recorder steering means, a connection between said motion transmission receiver and one of the input drives of said differential, wind drift computing mechanism associated with said recorder steering means and operative automatically to compute the drift angle for an assumed wind of given velocity and heading with respect to an assumed airspeed vector having a direction corresponding to the heading of said trainer, an element positioned by said computing mechanism in accordance with said drift angle, and a connection be-

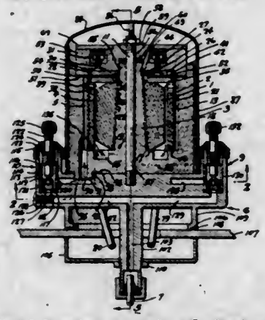
tween the other of said differential input drives and said element, whereby the output drive of said differential causes the said recorder steering means to be positioned in accordance with the algebraic sum of the angular rotations of said input drives.

2,355,686
TORQUE AMPLIFIER
Willard E. Swift, Jr., Worcester, Mass.
Application September 25, 1943, Serial No. 503,831
11 Claims. (Cl. 74—388)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



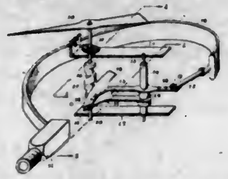
1. A torque amplifier comprising drive and driven shafts, a gear loosely mounted on said driven shaft and geared to said drive shaft, a member loosely mounted on said driven shaft, a coil spring surrounding said driven shaft and received loosely in said gear, said spring having one end anchored to said driven shaft and the other end frictionally connected to said member, and a variable speed device having its output side geared to said member.

2,355,687
ELECTRIC HEATER
Lester E. Van Hise, Los Angeles, Calif., assignor, by mesne assignments, to Norman E. Coles, Los Angeles, Calif.
Application May 31, 1941, Serial No. 395,955
In Japan December 19, 1939
16 Claims. (Cl. 219—40)



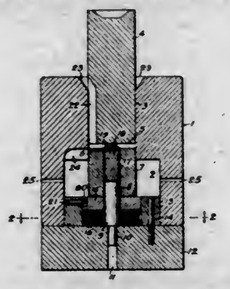
3. In a fluid heater, a pair of electrodes forming a substantially vertical passage between them, means forming a second substantially vertical passage adjacent one of the electrodes, means for supplying liquid to said second passage adjacent the bottom thereof, means for permitting liquid to flow from the second passage to the first passage at the top of said passages, means for passing a current through liquid between said electrodes, means forming an outlet from the bottom of the first passage, and means forming a restricted bypass opening between the bottoms of said passage.

2,355,688
MOVEMENT TRANSMISSION SYSTEM FOR MEASURING INSTRUMENTS
Richard I. N. Weingart, Glen Head, N. Y.
Application April 24, 1943, Serial No. 484,398
8 Claims. (Cl. 73—151)



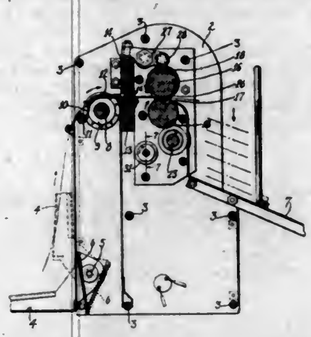
4. A movement for a measuring instrument having means responsive to changes in conditions, said movement comprising a driven shaft carrying a pointer, a helical element associated with the driven shaft, driving means comprising a plurality of gears, a shaft upon which said gears are carried, both of said gears having driving edges which constitute elements of the same cylinder, the driving edge of one of such gears being disposed generally to the lead angle of the helical element and contacting a face of such element, and causing rotation thereof in one direction by exerting a force against such helical element, one component of such force being a thrust parallel with the axis of such element, spring means for rotating the helical element and the pointer shaft in the opposite direction, means for opposing such thrust parallel to the axis of the helical element and driven shaft, comprising the second gear and a thrust element carried by the shaft, the second gear contacting such thrust element, and means connecting the driving gears with the condition-responsive means.

2,355,689
DETONATING CUP CRIMPER
Herbert B. Young, Kenvil, N. J.
Application January 23, 1943, Serial No. 473,301
2 Claims. (Cl. 86—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine for crimping detonator cups, in combination, a body having a chamber therein and an open end bore communicating with the chamber, a crimping plunger in the bore, resilient means supported in said chamber, a disk supported by the resilient means and means for guiding the disk in its vertical movement, a sleeve seated on said disk and provided with a through bore, a member supported by the body and extending through the disk and part way into the bore in the sleeve, leaving a chamber in the sleeve above said member for the reception of the detonator cup to be crimped, and means for guiding the sleeve in its vertical movements.

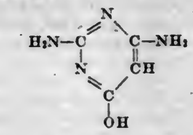
2,355,690
STRIP FEEDING AND BURSTING DEVICE
Abram L. Zent, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application August 20, 1942, Serial No. 455,461
22 Claims. (Cl. 164—84.5)



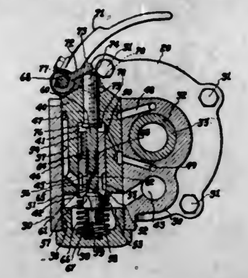
1. A strip feeding and severing apparatus, wherein a continuous strip of material having a series of longitudinally spaced transverse division lines is advanced past a severing position at which succeeding portions thereof are subjected to pulling tension in excess of the tensile strength of a weakened division line within the tensioned area of the strip, including a continuous driving member, an intermittently operative strip feeding device, actuating means therefor, including a friction clutch, a locking detent for temporarily maintaining the strip feeding device idle while the driving member effects slipping of the frictional clutch, a pair of relatively movable clamp bars between which the terminal portion of the strip is advanced by the strip feeding device during periodic operation thereof, a pair of continuously rotating rollers beyond the clamp bars between which the terminal portion of the strip is advanced by the strip feeding device and brought to rest by the arrest of the feeding device, at least one of the rollers having a cam face cooperative with the other roller to grip the strip therebetween and tension the terminal portion thereof against the resistance of the clamping action of the clamp bars, a cam rotating in unison with the rollers, a rocker member actuated thereby, one end of which has operative engagement with one of the clamp bars to effect strip gripping action thereof to resist the tensioning influence of the rollers beyond the tensile strength of a weakened division line within the tensioned area of the strip, and tripping means operating in unison with the rotation of the rollers for disengaging the strip feeding detent to permit further operative action of the strip feeding device in synchronism with the rotation of the rollers and relative movement of the clamp bars.

2,355,691
PYRIMIDINE COUPLERS
Charles F. H. Allen and James A. Van Allan, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 21, 1942, Serial No. 466,474
2 Claims. (Cl. 95—88)

1. A color-forming photographic developer comprising a primary aromatic amino developing agent and a coupler compound having the following probable formula:

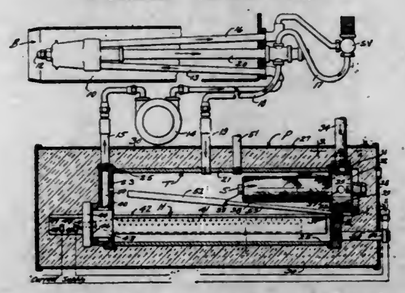


2,355,692
THROTTLE VALVE MECHANISM
Roy O. Allen, Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application August 28, 1942, Serial No. 456,516
3 Claims. (Cl. 277—20)



1. A throttle valve mechanism, comprising a casing having valve and pressure fluid supply chambers and a plurality of passages opening into the valve chamber, a pair of throttle valves for controlling the flow of pressure fluid from the supply chamber to the passages, and both throttle valves having channels registering with each other for conveying pressure fluid to one of the passages, and a common means for actuating the throttle valves successively.

2,355,693
FUEL PREHEATER
Loyd I. Aldrich, Wyoming, Ill.
Original application February 2, 1939, Serial No. 254,197. Divided and this application August 18, 1941, Serial No. 407,308
5 Claims. (Cl. 158—36)



1. A fuel preheater for use in an oil burner system having a nozzle and means for pumping oil from said preheater to said nozzle, said preheater having an inlet, heating means in said preheater for maintaining the fuel therein at a substantially constant predetermined temperature, said preheater including a strainer adjacent said heating means and thereby also maintained at said substantially predetermined temperature, said strain-

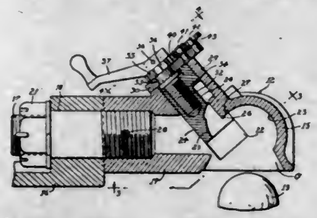
er being located between said heating means and said inlet to receive incoming fresh oil before it is heated, said strainer including a foraminous cylinder closed at one end and open at its other end, said other end receiving the fuel whereby sediment and the like in the fuel is deposited inside of the formanious cylinder, and means for removing said foraminous cylinder from said preheater to remove such sediment therefrom.

2,355,694
AIR-SPEED METER
Eugene M. Ardelt, Denver, Colo.
Application July 10, 1943, Serial No. 494,444
4 Claims. (Cl. 73—228)



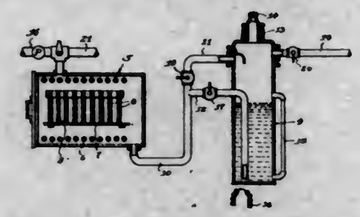
1. An air speed indicator comprising: a substantially circular chamber; an indicator shaft passing axially through said chamber; a partition member extending inwardly from the wall of said chamber to a position adjacent said shaft; a vane mounted on said shaft and adapted to rotate within said chamber; means for admitting air under pressure to one side of said partition member; a flexible wall member positioned on a spiral about the axis of said shaft between the extremity of said vane and the periphery of said chamber; and means for varying the radial position of any given portion of said wall member throughout its length without affecting the radial position of the remainder thereof.

2,355,695
COUPLER
James T. Atwood, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, a copartnership composed of Seth B. Atwood and James T. Atwood, Rockford, Ill.
Application December 2, 1942, Serial No. 467,607
18 Claims. (Cl. 280—33.17)



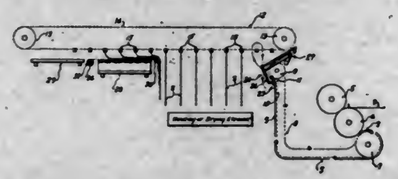
1. A coupler of the class described, comprising, in combination, a ball, a socket member having a socket and a ball receiving opening, the socket member also having an extension with a bore therein communicating with the socket and angularly disposed with respect to the direction of admission of the ball, a ball locking plunger slidable in said bore toward and away from engagement with the ball in the socket, said plunger restricting said opening while engaging the ball, whereby to prevent withdrawal thereof from the socket, a plate attached to the outer end of said extension closing the outer end of the bore, a shaft extending transversely with respect to the bore and mounted for rotation in said extension of the socket member in closely spaced parallel relation to said plate, a cam fixed on said shaft in said bore for rotation, means for manually turning the shaft, said plate providing an abutment surface on the inner side thereof, and said cam being formed for engagement with said surface when turned to a position holding the plunger in engagement with the ball in the socket, whereby thrust of the ball on the plunger is transmitted through the cam to said plate, and said plunger providing an abutment thereon engaged by the cam in ball locking position for positively limiting retracting movement of the plunger under thrust of the ball thereon.

2,355,696
METHOD OF AND APPARATUS FOR PRODUCING LAMINATED GLASS
Floyd E. Bartell, Ann Arbor, Mich.
Application November 5, 1938, Serial No. 238,939
9 Claims. (Cl. 154—2.80)



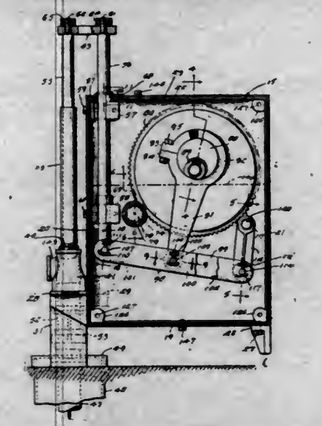
1. A method of laminating sheets of glass and reinforcing material which comprises placing the sheets in a closed compartment, evacuating air from said compartment, introducing liquid into said compartment, and subjecting said sheets simultaneously to heat and pressure by heating said liquid to form a heated vapor at a predetermined pressure.

2,355,697
SHEET DELIVERY MECHANISM
Frank R. Belluche, Racine, Wis., assignor to The Christensen Machine Company, Racine, Wis., a corporation of Wisconsin
Application August 31, 1942, Serial No. 456,767
17 Claims. (Cl. 271—79)



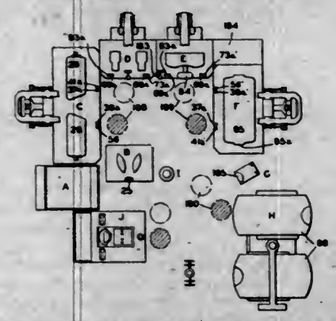
1. In a sheet delivery mechanism, the combination of: a fast moving conveyer for carrying sheets individually from a printing machine or the like; a slow moving conveyer adapted to be fed by the fast moving conveyer; and means for transferring sheets from the fast moving conveyer to the slow moving conveyer comprising a sheet carrier, and means for moving the sheet carrier with a figure eight motion, the path of which meets the path of the sheets carried by the fast moving conveyer to take sheets therefrom and traverses the path of the slow moving conveyer to present sheets thereto.

2,355,698
WATER PUMP
Jesse M. Benson, Concord, Tenn.
Application February 10, 1941, Serial No. 378,291
5 Claims. (Cl. 103—205)



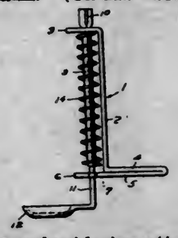
1. In a well pumping means having a closed housing, a vertically disposed cylinder exteriorly of the housing, a reciprocatory sectional pumping rod operating in and depending from the cylinder, a piston attached to the rod and means within and extending from the housing for operating said rod; a horizontally disposed apertured plate exteriorly of and fixed relative to said housing, said plate being arranged below and spaced from the cylinder, a substantially T-shaped upstanding coupling connection on and fixed at its lower end to said plate, a tubular reducing connection between the upper end of said coupling connection and the lower end of the cylinder for maintaining the latter vertical and for establishing communication between the cylinder and T-coupling connection, supporting means for said plate, a sectional well pipe attached to said T-coupling connection and depending through the aperture in said plate, and said supporting means formed with openings to provide for access to said pipe and rod.

2,355,699
METHOD OF IRONING SHIRTS
George R. Bicknell, Antioch, Ill., assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application February 7, 1941, Serial No. 377,923
4 Claims. (Cl. 223—57)



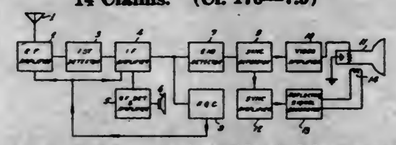
1. The method of finishing damp shirt sleeves during the process of ironing a fully dampened shirt, comprising partially drying the damp sleeves in expanded tubular shape on heated forms which are shaped to define and thereby produce more or less definite sleeves seam folding lines, utilizing the defined fold lines in laying the sleeves flat in a press after their removal from said forms, and then hot pressing the sleeves flat to complete dryness, whereby the interior contacting surfaces of the pressed sleeves are prevented from sticking together but lie in close juxtaposition on account of said folding lines.

2,355,700
SEWING-MACHINE ATTACHMENT
Elias W. Blewett, Forty Fort, Pa.
Application December 28, 1942, Serial No. 470,374
1 Claim. (Cl. 112—236)



A darning and embroidering attachment of the character described for sewing machines comprising, a bracket for mounting on the presser bar of a sewing machine, said bracket being formed from a single length of sheet metal and including vertically spaced, forwardly projecting upper and lower guides, the lower guide having a transverse slot therein, a rod slidable in the upper guide, a plate on the lower end of the rod slidable in the slot in the lower guide and substantially wider than said rod to form shoulders at opposite sides of said rod, a presser foot projecting forwardly from the lower end of the plate, a coil spring under tension on the rod between the upper guide and said shoulders for yieldingly urging the foot downwardly, and a stop on the upper end of the rod engageable with the upper guide and limiting sliding of said rod downwardly.

2,355,701
AUTOMATIC GAIN CONTROL FOR TELEVISION RECEIVERS
William E. Bradley, Northampton, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 13, 1942, Serial No. 446,956
14 Claims. (Cl. 178—7.5)



1. In a television receiver adapted for reception of video and synchronizing signals transmitted at different carrier frequencies, the method of controlling the gain of said receiver which comprises deriving a portion of the signal energy from the signal channel of the receiver, selecting the video carrier from said derived signal, producing from the selected carrier a gain control voltage whose magnitude is determined substantially in accordance with the blanking level of the video carrier, and utilizing said voltage to control the gain of the receiver.

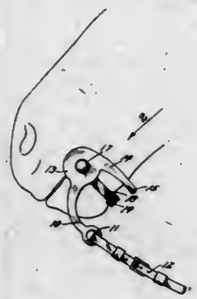
2,355,702
REMOVAL OF NITROGEN OXIDES FROM SULPHURIC ACID
Winslow A. Brooks, Elizabeth, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 7, 1942, Serial No. 454,017
4 Claims. (Cl. 23—172)

1. In a process for removing nitrogen oxides from sulphuric acid having a concentration between about 50% and about 90% and less than 0.1% nitrogen oxides, the step of incorporating in the acid a sulphamate in an amount at least equivalent to the nitrogen oxides and not substantially in excess of 0.3% while maintaining a temperature between about 40° F. and about 100° F.

2,355,703
PRODUCTION OF KETONES
Alva C. Byrns, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application May 6, 1941, Serial No. 392,095
9 Claims. (Cl. 260—593)

1. A method for the production of ketones which comprises reacting an acyclic branched chain olefin with an organic acid anhydride in the presence of an acylation catalyst.

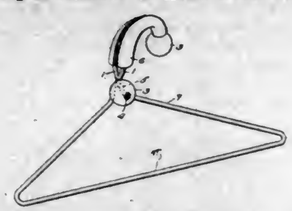
2,355,704
HORSE'S BIT
Robert A. Carson, Denver, Colo.
Application February 8, 1944, Serial No. 521,747
5 Claims. (Cl. 54—7)



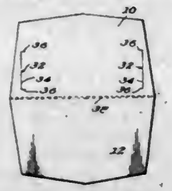
1. A horse's bit comprising: a single, unitary metallic member; a downwardly extending lever formed on each extremity of said member; means for attaching reins to the lower extremities of said levers; a U-shaped curb formed by said member connecting the upper extremities of said levers and adapted to pass beneath the lower jaw of a horse; cheek plates formed in said member connecting each lever with an extremity of said curb and being positioned to lie flat against the cheeks of the horse; and means for pivotally supporting said cheek plates.

2,355,705
SUSPENSION DEVICE FOR COAT HANGERS
Herman Cohn, Baltimore, Md.
Application January 21, 1943, Serial No. 473,123
2 Claims. (Cl. 223—88)

1. Suspension device for coat hangers comprising a cord-like member, button members firmly secured to the ends of the cord member and a tubular rigid member of fixed hook-like conformation having a slit on its outer side enclosing the cord member intermediate the buttons.

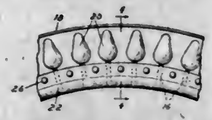


2,355,706
METHOD OF MAKING MOUNTS
Carroll N. Cross, Middleboro, Mass.
Application May 8, 1941, Serial No. 392,559
11 Claims. (Cl. 93—1)



1. The method of making mounts which comprises the steps of forming in a well board a plurality of spaced oppositely disposed angular incisions having laterally extending arms defining the greatest dimensions at opposite edges of an article to be mounted in said mount, attaching a face covering to said board, severing said covering and said board along lines joining the respective arms of said spaced incisions, severing said covering only along lines intersecting two differently disposed parts of each of said angular incisions, and removing said severed well and facing portions to form in said mount an article receiving well having pockets formed by said face covering to engage an article at spaced points along its face.

2,355,707
STRUCTURAL MEMBER AND METHOD OF MAKING SAME
Christian De Boer, Ashton, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application March 22, 1941, Serial No. 384,760
5 Claims. (Cl. 29—155)



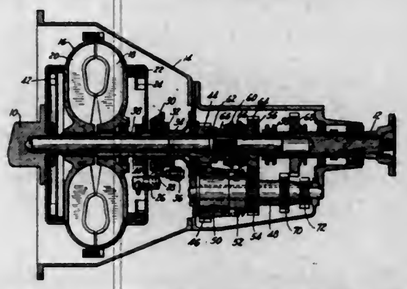
1. A structural member adapted to reinforce a hollow structure comprising an elongated strip of sheet metal which is curved in its own plane, said strip being formed in its inner curved edge portion with a series of slots extending from its inner curved edge toward its outer curved edge a distance sufficient to enable the strip to be bent in its own plane without buckling its edge, the material of the strip being deformed out of the plane thereof to form a plurality of indentations each of which lies radially in line with one of the slots between its closed end and the outer edge of the strip, and a curved member narrower radially than the strip secured to the inner slotted end of the strip to reinforce it and to fix the curvature of the strip.

2,355,708
MERCHANDISE CONVEYING SYSTEM FOR SELF-HELP STORES
Anthony W. Delucchi and Henry A. Stagnaro, Stockton, Calif.
Application June 21, 1943, Serial No. 491,620
3 Claims. (Cl. 186—1)



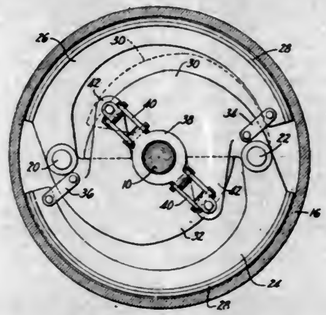
3. A merchandise conveying system for a store which includes a row of shelves and a receiving counter disposed some distance from said row; said system comprising a power driven conveyor extending beneath the floor of the store from adjacent the row to adjacent the counter, and a chute leading from a point above the floor adjacent said row to a point of discharge below the floor onto said conveyor, said chute being adapted to receive articles selected and marked by the customer; the row of shelves being open on opposite sides and said chute being branched intermediate its ends with the branches opening from the row on opposite sides thereof.

2,355,709
TRANSMISSION
Adiel Y. Dodge, Rockford, Ill.
Application May 13, 1940, Serial No. 334,705
15 Claims. (Cl. 74—189.5)



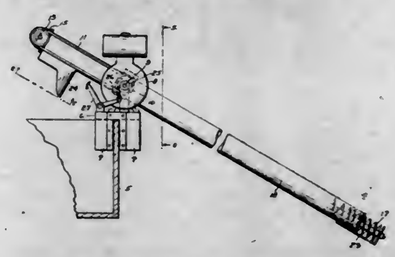
1. In a transmission in combination, a change speed gear box and a variable speed driving unit, two telescoped coaxial driving shafts, a driven shaft in line therewith, a lay-shaft parallel thereto, a driven gear connected to the lay-shaft by a one-way clutch, means to lock out the one-way clutch to connect said driven gear to the lay shaft for transmission of torque in both directions therebetween, means to drive said driven gear through one path from the variable speed unit, means to drive the colinear driven shaft from second means through a second path of power flow, while the one-way clutch allows the driven gear on the lay-shaft to idle, automatic means responsive to the speed of one of the shafts to pick up the second path above a predetermined speed, and means to cut out the second path of power flow when desired.

2,355,710
CLUTCH
Adiel Y. Dodge, Rockford, Ill.
Application May 13, 1940, Serial No. 334,706
8 Claims. (Cl. 192—103)



1. A clutch for connecting two shafts comprising a drum carried by one of the shafts, a plate carried by the other shaft, a pair of arcuate friction shoes pivoted at one end on the plate and movable into engagement with the drum, a pair of weights eccentrically pivoted on the plate and linked to the free ends of the shoes to move them into engagement with the drum in response to centrifugal force, a collar slidable axially on one of the shafts, extensions on the weights lying on the opposite sides of radial lines through the pivot points of the weights than the weights respectively, links connecting the collar to the extensions, and resilient means urging the collar in a direction to move the weights inwardly in opposition to centrifugal force thereon.

2,355,711
PORTABLE GRAIN LOADING ELEVATOR
Stephen E. Dolyniuk, Belfield, N. Dak.
Application December 3, 1942, Serial No. 467,767
1 Claim. (Cl. 198—123)

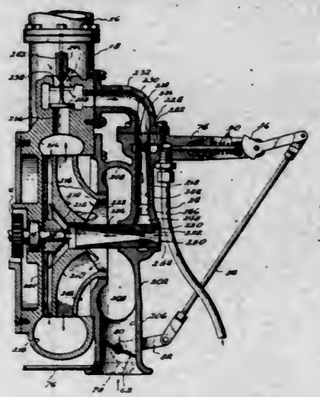


A loader for attachment to an upright panel of a truck body comprising an attaching structure constructed and arranged to straddle the upper edge of said panel, a power plant mounted on the attaching structure, a support on the attaching structure, an elongated tube swingably mounted on the support, an elongated worm in the tube, a flexible drive between the power plant and the upper end of the worm, the upper portion of the tube being provided with an outlet, and manipulative means for starting the power plant mounted on the attaching structure, the mounting for the tube comprising a clamp in which the tube is longitudinally adjustable into different set positions, said clamp being pivoted to said support for swinging about an axis transverse to the axis of said tube.

2,355,712
PRODUCTION OF CELLULOSE ESTERS
Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 18, 1941, Serial No. 402,942. In Great Britain August 15, 1940
5 Claims. (Cl. 260—227)

1. Process for the production of lower fatty acid esters of cellulose which comprises esterifying cellulose in a liquid medium which is a solvent for the ester produced, and which contains an amount of lower fatty acid anhydride at least five times the weight of the cellulose, and an amount of sulphuric acid catalyst not exceeding 5% of the weight of the cellulose, precipitating the cellulose ester, redissolving the same in an organic solvent at least partially miscible with water and then ripening it in said solution.

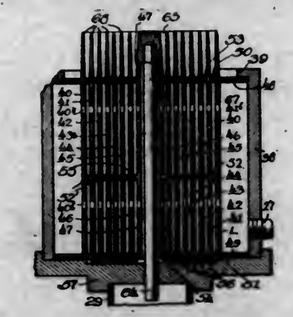
2,355,713
FUEL SUPPLY MEANS FOR INTERNAL-COMBUSTION ENGINES
Augustus C. Durdin, Jr., Lincolnwood, Ill., assignor of twenty-four per cent to Augustus C. Durdin, III, Rockford, Ill., and twenty-four per cent to Lewis H. Durdin, Birmingham, Ala.
Application June 24, 1940, Serial No. 341,993
17 Claims. (Cl. 123—119)



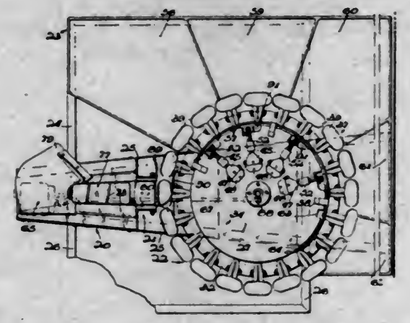
1. In apparatus of the class described, the combination including, a supercharger comprising a pair of compressors each having a discharge chamber opening into a common discharge conduit, one for compressing air and the second for compressing a mixture of fuel and air for supplying fuel to an engine, means for supplying air to the first of said compressors, means including a liquid fuel injection Venturi tube for supplying a mixture of air and fuel to the second of said compressors, and conduit means conducting fluid under pressure greater than atmosphere from the discharge chamber of the first compressor to the inlet end of said Venturi tube.

2,355,714
APPARATUS FOR MAKING FILTERS
Augustus H. Eberman, Geneva, Ill., assignor to Jesse B. Hawley, Geneva, Ill.
Application April 4, 1942, Serial No. 437,618
17 Claims. (Cl. 92—54)

1. In apparatus for making folded, accreted, fibrous pulp air filters having large facial area in small space, comprising a folder having a hollow base housing, a plurality of longitudinally movable sections in said housing, each of said sections having near its upper end an inwardly extending annular flange and at an intermediate portion of its height an outwardly extending annular flange, a center longitudinally movable section having an outwardly extending annular flange, that portion of each of said sections above the horizontal plane through the said inwardly extending annular flanges being inclined upwardly and inwardly.

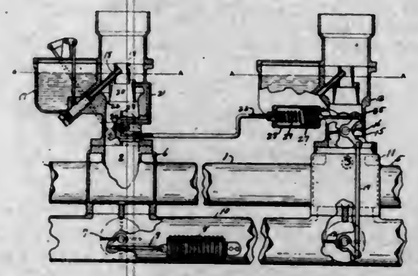


2,355,715
MACHINE FOR GRADING ARTICLES BY WEIGHT
Robert M. Edington, Landis Township, Cumberland County, N. J.
Application June 1, 1942, Serial No. 445,328
5 Claims. (Cl. 209—121)



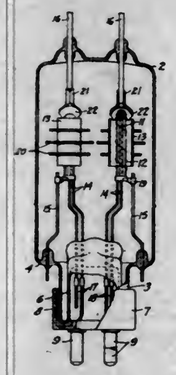
1. In a machine for grading articles by weight, a fixed circular plate having a generally solid marginal zone interrupted by a plurality of spaced slots, a plurality of scales of predetermined different weight settings each comprising a weighted lever mounted radially on the plate and projecting over one of said slots, a plurality of article holders each mounted to rock about a pivot and having on one side of the pivot an article support and having on the other side of the pivot a finger disposed beneath the marginal zone of the plate, and means moving said holders relatively to said plate and concentrically thereto to bring each holder successively into parallelism with each lever, whereby a holder will rock about its pivot to discharge an article carried by it when the weight thereof overbalances and raises a weighted lever so that the holder finger passes through the adjacent slot.

2,355,716
INTERNAL-COMBUSTION ENGINE
George R. Ericson, Kirkwood, and Irven E. Coffey, Normandy, Mo.
Application May 16, 1940, Serial No. 335,590
11 Claims. (Cl. 123—127)



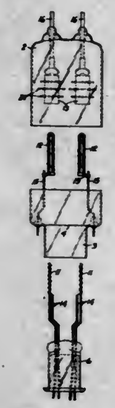
1. In an internal combustion engine having an intake passage, means forming a plurality of mixing conduits for supplying fuel to said passage, said mixing conduits being connected to said passage at longitudinally spaced intervals, a manually operated throttle valve for one of said conduits and an automatically operated balanced throttle valve for the other of said conduits, said automatic valve being controlled by suction developed at a point anterior to said manually operated throttle.

2,355,717
ELECTRICAL DISCHARGE DEVICE
William W. Eitel and Jack A. McCullough, San Bruno, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Original application February 14, 1941, Serial No. 378,900. Divided and this application October 10, 1941, Serial No. 414,505
2 Claims. (Cl. 250—27.5)



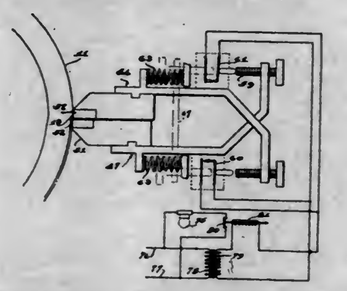
1. In an electrical discharge device, an electrode comprising a plurality of tubular sections contiguously disposed end-to-end with the rim of one section integrally united to that of an adjacent section, and an outwardly extending heat radiating fin carried by a section and disposed about the electrode in a plane transverse to the electrode axis at the junction of the tubular sections.

2,355,718
ELECTRICAL DISCHARGE DEVICE
William W. Eitel and Jack A. McCullough, San Bruno, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Original application February 14, 1941, Serial No. 378,900. Divided and this application October 10, 1941, Serial No. 414,506
3 Claims. (Cl. 250—27.5)



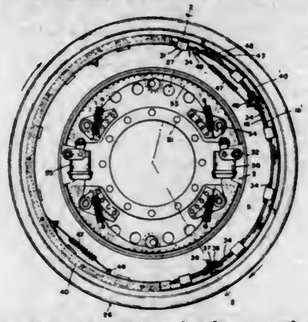
1. In an electrical discharge device, a plurality of separate electrodes of similar function, an envelope enclosing the electrodes and having a shoulder, an external terminal ring disposed on the envelope adjacent the shoulder, and conductors for the electrodes extending through the envelope at the shoulder and connected to said ring.

2,355,719
GAUGING AND SEAM-DETECTING APPARATUS
William J. Fedorchak, Granite City, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application April 3, 1943, Serial No. 481,706
14 Claims. (Cl. 177—311)



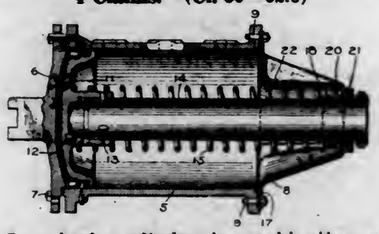
1. The combination of means for supporting a work-piece, a pair of contacts positioned side by side, means for holding said contacts against the surface of the work-piece, means for causing the pair of contacts to move over said surface, a signaling device, and means operated by a relative movement between the contacts in a direction toward or from said surface to actuate the signaling device.

2,355,720
BRAKE
Joseph A. Forbes, Detroit, Mich., assignor to John Sneed, Royal Oak, Mich.
Application January 14, 1943, Serial No. 472,381
5 Claims. (Cl. 188—79.5)



1. A brake comprising brake members relatively movable toward each other, a brake member between and engageable with said first mentioned brake members upon relative movement toward each other, and means for relatively moving said first mentioned brake members toward each other upon relative rotation thereof, comprising links and an automatically adjustable cam ring cooperating with said links to normally maintain a predetermined clearance between said first mentioned brake members and said second mentioned brake member.

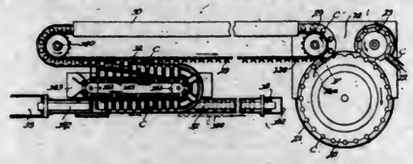
2,355,721
BRAKE CYLINDER DEVICE
Karl E. Foutz, McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 22, 1942, Serial No. 462,913
4 Claims. (Cl. 60—62.6)



1. In a brake cylinder, in combination, a cylinder body, a piston mounted therein and having a piston rod, a return spring for the piston, and a non-pressure head secured to said cylinder body, said head having an aperture through which said rod extends and a plurality of longitudinal reenforcing corrugations extending inwardly closely adjacent and in supporting relation with coils of said return spring.

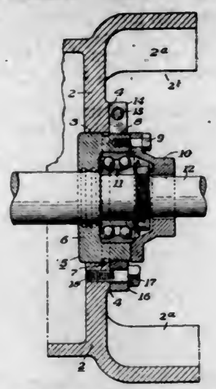
2,355,722
ARTICLE HANDLING APPARATUS
George Goebel, deceased, late of Baltimore, Md., by Helene Goebel, administratrix, Baltimore, Md., and Harry A. Rau, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application July 2, 1937, Serial No. 151,758, now Patent No. 2,257,740, dated October 7, 1941. Divided and this application May 3, 1941, Serial No. 391,804
2 Claims. (Cl. 198—33)

1. In combination, a conveyor including moving article carriers each adapted to support an elongated article with its longitudinal axis substantially vertical, a second conveyor adapted to support the articles with their longitudinal axes substantially horizontal, said second conveyor including article engaging members movable along a run parallel to a run of said first conveyor and with said article engaging members moving in register with the article carriers of said first conveyor, each of said article engaging members in-



cluding a pair of spaced arms extending toward said article carriers, said arms being spaced a distance corresponding to the width of the article so that an article may move between the same without tilting longitudinally of said runs, and fixed means to engage the articles to cause them to tilt transversely of said runs of the conveyors to drop between said arms, said last named means including an element to embrace the lowermost portion of each article and spiraled longitudinally of said runs.

2,355,723
MOUNTING FOR BEARINGS
Cecil M. Griffin, Pittsburgh, Pa.
Application December 11, 1941, Serial No. 422,487
4 Claims. (Cl. 308—189)

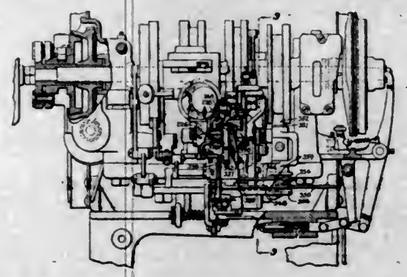


1. A bearing structure comprising a cartridge type bearing housing, a clamping ring in which the housing is longitudinally adjustable and which may be clamped to said housing to prevent relative movement between the housing and ring, and relatively adjustable means for releasably attaching the ring to a support.

2,355,724
SHOE SEWING MACHINE
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application September 14, 1939, Serial No. 294,926. Divided and this application October 23, 1941, Serial No. 416,229
11 Claims. (Cl. 112—48)

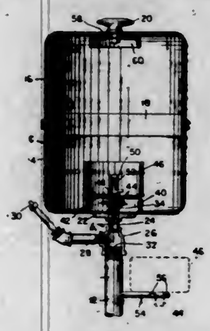
3. A shoe sewing machine having, in combination, a main frame, a sewing shaft in the frame,

stitch forming devices including a curved hook needle, a needle segment, a curved awl, an awl segment having a grooved hub, a stud secured at its ends in the machine frame on which the needle and awl segments are mounted, means for oscillating the awl segment, and means for shifting the awl segment along the stud relatively to the needle segment comprising a vertically ar-



ranged feed lever fulcrumed on the main frame beneath the stud and engaging the groove in the hub of the awl segment, a cam lever actuated by the sewing shaft, adjustable connection between the feed and cam levers, and means for adjusting the relations of the connections during sewing to change the length of feeding movement imparted to the awl and cam lever.

2,355,725
CLEANING AND REOILING DEVICE FOR AIR CLEANERS
Ralph Wilmer Hanson, Minneapolis, Minn., assignor to Vulcan Manufacturing Co., Inc., St. Paul, Minn., a corporation of Minnesota
Original application March 29, 1937, Serial No. 133,633. Divided and this application September 18, 1940, Serial No. 357,276
3 Claims. (Cl. 91—45)

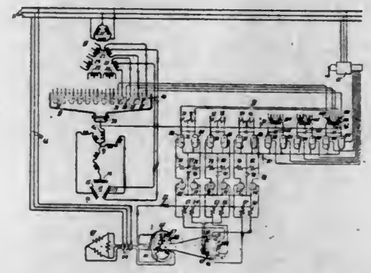


3. In a device of the class described, a main container adapted for enclosing an air cleaner, a conduit projecting into said main container for discharging oil and air through the air cleaner to oil it, an oil container provided with an oil nozzle having its discharge end terminating in said conduit, means for supplying air through said conduit and thereby creating a vacuum in said oil nozzle by Venturi action to pick up oil from said oil container and to discharge it with the air from said conduit, said oil nozzle having an intake end located below the normal level of a supply of oil in said oil container, said main container having an opening for permitting escape of air therefrom.

2,355,726
ABRASION RESISTANT ARTICLES AND ALLOYS
Oscar E. Harder and James T. Gow, Columbus, Ohio, assignors, by mesne assignments, to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
No Drawing. Application June 12, 1942, Serial No. 446,842
19 Claims. (Cl. 75—126)

1. A cast propeller blade for a centrifugal blasting machine comprising approximately 7 to 30 per cent chromium, about 2.5 to 4.5 per cent carbon, about 0.1 to 1.25 per cent silicon, about 0.25 to 2.5 per cent manganese, from effective amounts to about 7 per cent molybdenum, and nitrogen from effective amounts to about 1 per cent of the chromium content, the remainder of said blade being substantially iron, and said blade having a hardness as cast greater than 55 on the Rockwell "C" scale.

2,355,727
ELECTRIC CONTROL CIRCUITS
Friedrich Hölters, Berlin-Lankwitz, Germany; vested in the Alien Property Custodian
Application October 20, 1941, Serial No. 415,827
In Germany November 6, 1939
12 Claims. (Cl. 172—274)

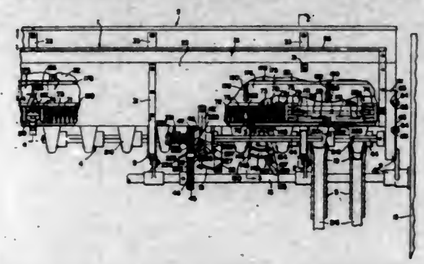


1. In combination, an electric circuit, a dynamo-electric machine including a plurality of windings and a rotor core, electric valve means interconnecting said circuit and said windings, means for controlling the conductivities of said electric valve means to control the speed of rotation of said rotor core comprising an electronic tube for producing an electron beam, means mechanically connected to the rotor core of said machine for deflecting said electron beam in a predetermined path for each revolution of said rotor core, a plurality of electrodes associated with said tube and mounted in electrically insulated relation in the path of said electron beam, and means in circuit with said electrodes for producing control voltage impulses for controlling said electric valve means and having a duration dependent upon the speed of rotation of said rotor core.

2,355,728
FERTILIZER DISTRIBUTOR
William A. Hyland, Horicon, Wis., assignor to The Van Brunt Manufacturing Company, Horicon, Wis., a corporation of Wisconsin
Application January 13, 1941, Serial No. 374,258
25 Claims. (Cl. 222—231)

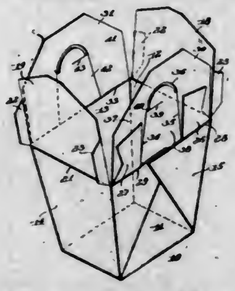
25. Distributing mechanism comprising a hopper, a shaft supported for rotation in the hopper, an axially resilient distributing member, and a supporting member at each end of the dis-

tributing member for mounting the same on said shaft for rotation therewith, one of said sup-



porting members being fixedly mounted on said shaft, while the other supporting member has sliding movement thereon.

2,355,729
CONTAINER
William H. Inman, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York
Application April 15, 1942, Serial No. 439,074
2 Claims. (Cl. 229—26)



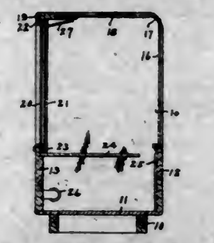
1. A carton made from a one-piece blank of foldable sheet material and having a bottom and four side walls, folded integrally upwardly therefrom and integrally connected with each other by corner portions folded outwardly in overlapping pairs and glued to a pair of opposite side walls to reinforce the same, the other side walls having flaps at their tops folded inwardly to form inner top closure flaps provided at their opposite sides with upwardly and inwardly folded wings, said opposite side walls having outer flaps integrally folded from the tops thereof along the adjacent corners of the carton, said blank being imperforate below the tops of said side walls, each of said outer flaps comprising a handle section and a locking section separate from each other at all points above said corner fold line, said handle sections being each of less width than the top of the carton and adapted either for inclination inwardly and upwardly adjacent each other at their outer ends to serve as handles for the carton, or for folding downwardly in overlapping relation against said inner flaps to serve as closure flaps, said handle sections being formed of material extending integrally round said first pair of side walls and bottom to provide strong support for said carton, and said locking sections being adapted to be folded inwardly either over said inner flaps or over said handle sections when folded downwardly and being provided with means for interlocking engagement with each other to secure said flaps in closed position.

2,355,730
LEAKPROOF CARTON
William H. Inman, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York
Application May 6, 1943, Serial No. 485,869
2 Claims. (Cl. 229—26)



1. A leak-proof carton made from a single sheet of material cut, scored and folded to form a bottom and four tapered side walls folded integrally upwardly from said bottom with folded corner portions integrally connecting adjacent side walls, said corner portions being folded outwardly and secured in overlapping pairs against a first pair of opposite side walls, the other pair of opposite side walls having flaps at their tops folded inwardly to form inner top closure flaps, said first pair of side walls having outer flaps at their tops folded inwardly and upwardly at the respective corners of the carton to hold said inner flaps closed and stiffen said first pair of side walls, each of said outer flaps having a scored fold line extending thereacross parallel with said carton corner intermediate the same and the center of the carton closure and having a cut extending outwardly from said fold line and separating said flap into an inner locking section and an outer handle section, one of said locking sections having an elongated eye cut interiorly therein and transversely thereof and the other section having a beveled end formed oppositely with shoulders extending transversely thereof for insertion in and interlocking engagement with the opposite ends of said eye, said locking sections having free flexible portions of substantial length adapted to be bent inwardly and downwardly about said fold line and interlocked with one another by inward and downward pressure thereon, and said handle sections being folded obliquely upwardly about said fold line to resiliently support the carton weight by a substantial tensile pull on said sheet material.

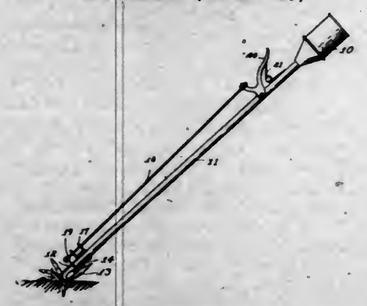
2,355,731
ILLUMINATED DISPLAY CASE
Parker H. James, Indianapolis, Ind.
Application January 29, 1944, Serial No. 520,174
5 Claims. (Cl. 240—6)



1. In a display case having a continuous transparent front and top inclosure, a floor, and front and rear opaque walls extending from said floor to at least the level of the lower end of said inclosure, the combination of a translucent sub-

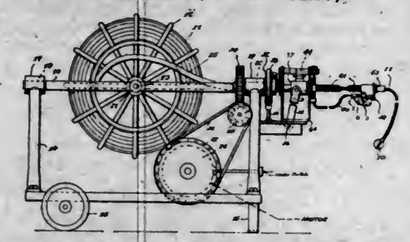
floor spaced above said floor having a front edge spaced back of said front opaque wall to leave an opening therebetween; a light source below said sub-floor adjacent said rear opaque wall; a light reflecting surface on the inner side of said front opaque wall; and a light reflecting surface in the upper rear portion of said case back of said top inclosure and angularly disposed to reflect light downwardly and forwardly.

2,355,732
WEED KILLING IMPLEMENT
Erik Jepsen, Cincinnati, Ohio
Application July 20, 1942, Serial No. 451,673
3 Claims. (Cl. 47—49)



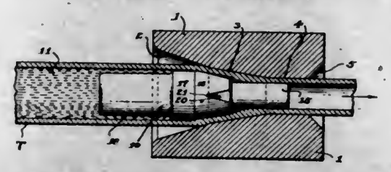
1. An implement, comprising a container for material, a tubular handle attached to and communicating with the container and open at its lower end, a finger fixed to and extended downwardly beyond the tubular handle at one side thereof, a spoon fixed to and extended downwardly beyond the lower end of the tubular handle at the side opposite said finger, a valve for closing the lower end of the tubular handle, a lever fixed to the valve and fulcrumed to said finger so that when the valve is partially open the material within the tube will be directed toward the spoon, a valve operating handle attached to the upper portion of the tubular handle for operating the valve, and a rod connecting the valve handle to the lever.

2,355,733
PIPE CLEANING DEVICE
Charles A. Johnson and Glenn E. Buys, Flint, Mich.; said Johnson assignor to said Buys
Application March 15, 1941, Serial No. 383,508
19 Claims. (Cl. 15—104.30)



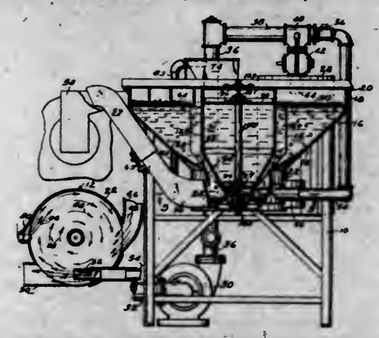
1. A pipe-cleaning device comprising a support, a frame rotatably mounted in said support, a reel rotatably mounted in said frame having its axis of rotation at substantially right angles to the axis of rotation of said frame, a flexible cable in said reel, mechanical means to selectively impart step by step longitudinal motion in either direction to said cable, said mechanical means being co-axial with said rotatable frame and shiftable in a reciprocating motion in response to rotation of said frame, means to permit passage of said cable from said reel through the axis of said rotatable frame into said mechanical means and means to rotate said frame and said cable.

2,355,734
FLOATING PIN MANDREL
Albert Katz, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan
Application May 6, 1943, Serial No. 485,874
10 Claims. (Cl. 205—7)



1. A floating mandrel for use with a die for drawing tube, comprising a body portion having a diameter approximating the internal diameter of the tube to be drawn, a tapered portion extending from the body portion and having its small diameter remote from the body portion, a land portion extending from the small end of the tapered portion and having a diameter less than that of the body portion for sizing the ensmalled tube, and one or more areas of depression in the surfaces of the tapered portion extending substantially from the small end thereof a distance less than the axial dimension of the tapered portion.

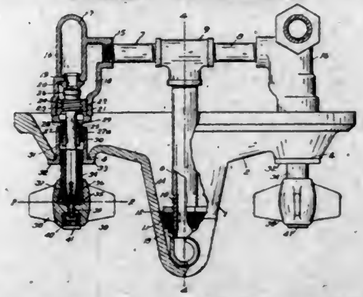
2,355,735
QUALITY GRADER
Charles E. Kerr, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application December 21, 1942, Serial No. 469,600
5 Claims. (Cl. 209—173)



1. An apparatus for grading peas and the like comprising a substantially circular settling tank having a discharge outlet in its lower portion through which liquid may continuously escape, means for introducing liquid into said tank to maintain a body of liquid therein, at least a portion of said liquid being directed tangentially into said tank to rotate said body of liquid in the manner of a whirlpool, a drum projecting downwardly into the center of said body of liquid to from an annular raceway for the liquid into which the peas may be deposited for separation in accordance with differences in their specific grav-

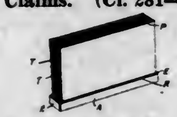
ities, and means mounting said drum for rotation under the rotative force exerted thereon by said liquid whereby to minimize the formation of eddy currents adjacent the drum surface and thereby increase the rate and effectiveness of separation.

2,355,736
FAUCET
Felix Klein, Erie, Pa., assignor to Hays Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application June 29, 1942, Serial No. 449,002
3 Claims. (Cl. 137—111)



1. In a faucet, in combination, a one-piece spout and body having oppositely disposed, laterally extending apertures, each aperture having disposed therein a flanged supporting member, a valve stem having a seating surface, a bushing surrounding said valve stem, a non-metallic collar threadably engaged to said bushing and to said flanged supporting member, and a sealing member between said valve stem and said bushing.

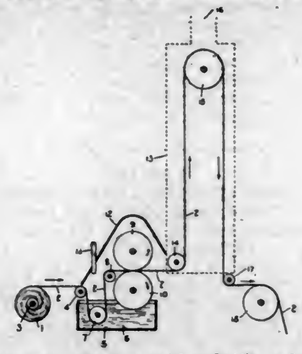
2,355,737
BINDING BOOKS
John J. Krehbiel, Bridgeport, Conn.
Application May 13, 1941, Serial No. 393,162
15 Claims. (Cl. 281—21)



4. A bound book comprising a stack of sheets aligned upon one side along their edges, and a plastic casing directly engaged upon said edges and extending from said one side onto the four adjacent sides of said stack.

2,355,738
ORNAMENTAL MATERIALS
Arthur Lyem, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application September 3, 1941, Serial No. 409,341
11 Claims. (Cl. 8—115)

1. Process for the production of materials presenting ornamental effects, which comprises locally applying a water-soluble resist to sheet material having a basis of an organic derivative of cellulose, treating said sheet material with a solution of a non-volatile plasticizer for said organic derivative of cellulose in a volatile solvent for said plasticizer, said volatile solvent having at least some softening action on said organic derivative of cellulose, so as to effect a softening and plasticizing action on the uncoated portion of said material, drying said material at elevated



temperature to remove said volatile solvent and then washing the material to remove said water-soluble resist.

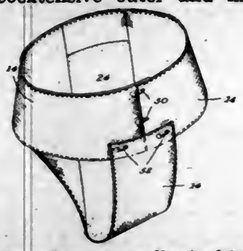
2,355,739
METEOROLOGICAL APPARATUS
Ira E. McCabe, Chicago, Ill.
Application October 5, 1942, Serial No. 460,922
8 Claims. (Cl. 177—329)



1. A means protecting dry cell electric batteries from excessive cold in meterological instruments carried by a pilot balloon for excessive high altitude observation, said instrument including an electric lamp operated by a dry cell battery, including heat producing pads rendered active upon the application of moisture placed about said battery, and a source of moisture associated with each pad provided with automatic means for progressively releasing the moisture from said source to said pad as the altitude increases.

2,355,740
OBSTETRICAL BELT
Lillie S. McNees, Overton, Tex., assignor of one-third to L. R. Skinner, Kilgore, Tex.
Application July 5, 1941, Serial No. 401,274
1 Claim. (Cl. 128—291)

A flexible obstetrical belt of the character described, comprising when flat a pair of waist-and-hip encircling end portions, and an intermediate crotch end portion, said belt being formed with a markedly concave edge between said pair of end portions and having symmetrically arranged, concave edges extending between the respective waist-and-hip encircling end portions and the crotch end portion, said three end portions and concave edges of the belt being shaped and arranged to form when assembled on a wearer a snug fitting garment for the waist, hip, and perineal regions adapted to enclose and support a sanitary pad, and said belt being formed of coextensive outer and inner fabric



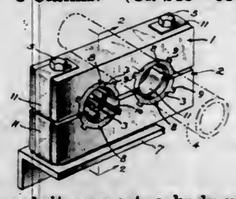
layers, and a moisture-repellent shield of relatively weak, non-heating material located on the inner side of the belt and stitched throughout its periphery to the inner fabric layer only and in a position to engage the sanitary pad.

2,355,741
THREAD INSERTION IN NIPPER LOOMS
Albert Moessinger, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application March 7, 1941, Serial No. 382,111
In Switzerland April 6, 1940
5 Claims. (Cl. 139—122)



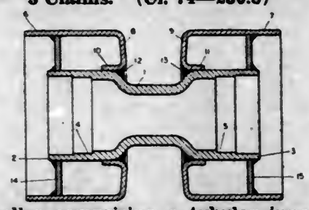
1. In a loom for weaving having a slay and needles reciprocatingly moving from each side of the loom toward and from substantially the center of the loom, one needle carrying a weft thread toward substantially the center of the loom and the other needle carrying it to the other side of the loom, grippers provided at one end of each needle, and gripper opening means connected with said slay in the neighborhood of the center thereof and adapted to slidingly engage and to open the grippers of one of said needles before they meet the grippers of the other needle substantially in the middle of the loom.

2,355,742
CONDUIT SUPPORTING BLOCK
Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application September 21, 1942, Serial No. 459,214
8 Claims. (Cl. 248—68)



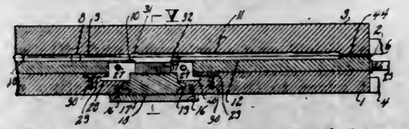
1. In a conduit support, a body portion having a semi-circular channel therein for reception of a conduit and provided with an arcuate groove in the face of the channel and sockets which are intersected by said groove, a cushion strip of compressible material lining said channel as a cushioned seat for the conduit, a rib on said strip fitting in said groove, and lugs on said strip extending into said sockets.

2,355,743
ROLLER
Homer L. Mueller, Cleveland, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application January 9, 1942, Serial No. 426,219
3 Claims. (Cl. 74—230.8)



1. A roller comprising a tubular inner member having end portions of greater diameter than its central portion, annular side members encompassing and secured to said respective end portions, said side members comprising tubular sections of greater diameter than said end portions having their opposed ends flanged inwardly and respectively welded to said tubular inner member at either side of said central portion, and supporting means welded in a position to support said tubular inner member adjacent the ends thereof and to support the inner peripheries of said annular side members at a zone spaced back from their ends.

2,355,744
BRUSH MANUFACTURE
Hubert A. Myers, Toledo, Ohio, assignor of one-half to Henry W. McKisson, Toledo, Ohio
Application May 7, 1942, Serial No. 442,106
2 Claims. (Cl. 18—42)

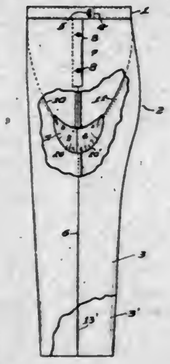


1. The method of producing a brush base and bristles comprising injecting moldable material into a mold, having a base forming cavity and bristle forming cavities in communication with each other, the portion of the mold containing the bristle forming cavities being movable relative to the portion of the mold containing the base forming cavity, and the ends of said bristle forming cavities remote from said base forming cavity being open and provided with means for causing the moldable material issuing from said open ends to flow transversely of said cavities to anchor said material to ends of the bristle forming walls, to fill said mold and anchor said material thereto, moving the portion of the mold containing the bristle forming cavities relative to said portion containing the base forming cavity in a direction longitudinally of said bristle forming cavities to stretch the material of said bristles, trimming the ends of the bristles remote from the back to remove the anchoring material, and removing the finished brush from the mold.

2,355,745
LADIES' SLACKS AND THE LIKE
John Netzky, Philadelphia, Pa., assignor to William Netzky, trading as Susquehanna Waist Company, Philadelphia, Pa.
Application September 23, 1942, Serial No. 459,367
1 Claim. (Cl. 2—227)

Ladies' slacks comprising a waist band, front and rear seams extending downwardly from the

front and rear center points of said waist band and meeting at the crotch of the slacks, inner leg seams extending downwardly from said meeting point on opposite sides thereof, the material of the garment projecting inwardly from each of said seams, and a substantially elliptical single ply fabric shield having its center located at the center of the crotch at the meeting point of all of said seams and having its major and minor axes coincident with the front and rear seams and leg seams respectively and divided transversely into two substantially semi-elliptical pieces of fabric having their straight marginal portions disposed along the minor axis of said

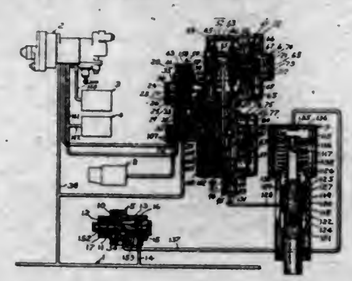


elliptical shield and overlapped and stitched together and through-stitched proximate said straight edges to the inwardly projecting material adjacent said inner leg seams, each semi-elliptical portion of the shield being also attached to the garment by stitching extending through said inwardly projecting material adjacent each front and rear seam at a point remote from said meeting point, whereby the major portion of the shield is free from attachment to the garment in front and in rear of the inner leg seams and thereby conformable to the wearer's movements independently of the rest of the garment.

2,355,746
METHOD OF MAKING HIGH SILICA GLASS
Martin Emery Nordberg, Corning, N. Y., and Harold Edward Rumenapp, West Los Angeles, Calif., assignors to Corning Glass Works, New York, N. Y., a corporation of New York
No Drawing. Original application July 20, 1940, Serial No. 346,654. Divided and this application May 29, 1943, Serial No. 489,064
3 Claims. (Cl. 49—79)

1. The method of making a glass article, which comprises melting a glass, fabricating the same into a fixed shape, heat treating the article to render constituents other than silica soluble; dissolving out major quantities of the said other constituents to leave a highly siliceous, substantially transparent, porous article, impregnating at least a portion of the porous article with a solution containing a salt of a metal which will color glass and a compound of phosphorous and drying and firing the article to close the pores and incorporate the metal into the glass.

2,355,747
VARIABLE LOAD BRAKE
Robert M. Oliver, Reno, Nev., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 22, 1942, Serial No. 469,807
20 Claims. (Cl. 303—22)



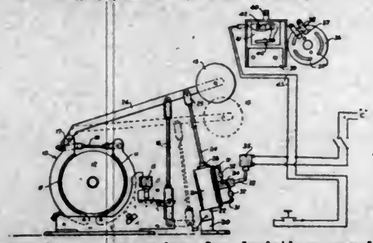
1. In a variable load fluid pressure brake equipment, the combination with a brake cylinder; a brake pipe normally charged with fluid under pressure to a chosen degree; of a brake controlling valve device operative upon a reduction in brake pipe pressure to supply fluid under pressure to said brake cylinder; a mechanism including means subject to brake pipe pressure and the pressure of fluid in a chamber and other means subject to brake cylinder pressure, said mechanism being responsive to a reduction in brake pipe pressure and an increase in brake cylinder pressure for limiting the supply of fluid under pressure to the brake cylinder to different degrees for a given reduction in brake pipe pressure; and means operative in accordance with the weight of the load carried by the vehicle for conditioning said mechanism for operation to limit the brake cylinder pressure to the particular degree required by the weight of the load carried by the vehicle.

2,355,748
PUMP
Asa A. Orr, Morgantown, W. Va., assignor of twenty per cent to Harold Osbourne, Van Voorhis, and twenty per cent to Walter Kauffeld, Star City, W. Va.
Application April 1, 1943, Serial No. 481,468
1 Claim. (Cl. 103—93)



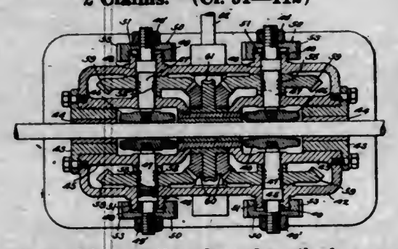
In a pump of the class described, a casing including a cylindrical body, cap sections closing the ends of said body and forming suction and compression chambers, respectively, a drive shaft extending axially through said body and having the opposite ends thereof journaled in said sections, a spiral blade on said shaft, and a combined baffle and deflector plate in said body extending diametrically therein from end to end thereof and provided with rectangular openings through which some of the spirals of the blade extend, said plate having a longitudinal groove therein accommodating said shaft and having its edges mortised into said body.

2,355,749
BRAKE FOR HOIST MACHINERY
Alexander David Polson, McWatters, Quebec, Canada
Application May 31, 1943, Serial No. 489,120
2 Claims. (Cl. 188—174)



1. Braking apparatus for hoisting machinery having a depth indicator adapted to be attached to drop block emergency brakes and consisting of an air cylinder, a piston slidable in the cylinder, a piston rod attached to the weight bar of the drop block emergency brake, exhaust valves at the top and bottom of the cylinder, said valves being normally closed, a rocker arm attached to the valve stem of each valve, said rocker arm being actuated by a solenoid, means to actuate the solenoid from the depth indicator of the hoisting apparatus.

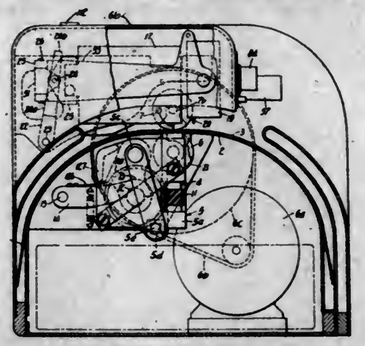
2,355,750
SHAFT MILLING AND GRINDING MACHINE
Owen D. Premo, Muskegon Heights, Mich.
Original application November 13, 1940, Serial No. 365,535. Divided and this application October 17, 1941, Serial No. 415,463
2 Claims. (Cl. 51—112)



1. A machine of the class described, comprising a body portion, a plurality of shafts extending into the body portion from opposite sides of the body portion, grinding tools mounted on the inner ends of said shafts and between which the work is fed, toothed nuts on the shafts, an adjusting screw mounted on each side of the body, a rack bar mounted on each side of the body and having a threaded bore, said threaded bores adapted to receive the adjusting screws, said rack bars adapted to engage the teeth of the nuts whereby the grinding tools at each side of the body portion may be adjusted towards and away from each other simultaneously, and means for rotating said grinding tools.

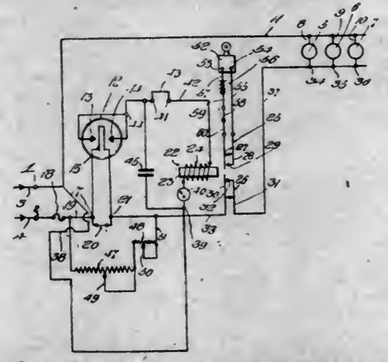
2,355,751
SOUND RECORDING AND REPRODUCING
Barton A. Proctor, Larchmont, N. Y., assignor to B. A. Proctor Company, Inc., New York, N. Y., a corporation of New York
Original application June 29, 1939, Serial No. 281,811. Divided and this application August 1, 1942, Serial No. 453,202
13 Claims. (Cl. 274—12)

1. In a recording and reproducing machine including means for supporting and driving a record, in combination, a recorder unit including a stylus, a reproducer unit including a stylus, a supporting means pivotally supporting the units for swinging movement independently of one another in a common vertical plane, said styluses being located one in advance of the other in said plane, and control means for withdrawing one of the styluses from record-engaging position and replacing it by the other, comprising a single



actuating member, a lifter movable upward thereby and engageable with both units, means under control of the actuating member to cause the supporting means to be shifted forward or back when both units are in raised position, means to engage one of the units and detain it in raised position when the support is shifted forward, and means to engage the other of the units and detain it in raised position when the support is shifted rearward.

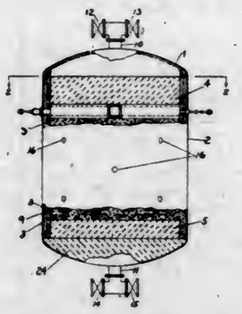
2,355,752
ELECTRONIC ALARM
Joseph T. Repking, East Chicago, Ind.
Application July 9, 1941, Serial No. 401,671
1 Claim. (Cl. 177—311)



An electronic alarm including, in combination with a pair of service lines, and a plurality of current consuming devices, a vacuum tube having an anode and a filamentary cathode, said cathode being connected in series with one of said service lines and said current consuming devices, a relay having pairs of contacts and a coil, said coil being connected between said anode and the other of said service lines, said vacuum tube supplying rectified voltage to said coil, one of said pairs of contacts being normally closed and being connected in said first mentioned service line, alarm apparatus connected to another of said

pairs of contacts and comprising a signal, a current source and circuit connections for said signal, current source and last mentioned contacts, said second mentioned contacts being engageable upon diminishing of the flow of rectified voltage in the coil as result of failure of the current consuming devices, for closing the circuit to the signal, said first mentioned contacts being opened intermittently upon the occurrence of an overload due to the variation in rectified voltage passing through the coil, for causing intermittent operation of said alarm signal and current consuming devices.

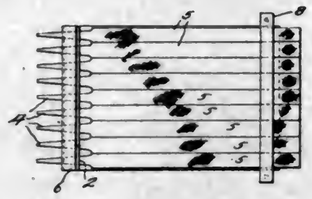
2,355,753
CATALYTIC APPARATUS
George Roberts, Jr., Montclair, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application March 20, 1940, Serial No. 324,899
4 Claims. (Cl. 23—288)



1. An apparatus for carrying out endothermic reactions involving contacting gaseous reactants with a porous catalytic material at elevated temperatures and adapted to operate on alternating conversion and heat regenerative cycles, which comprises a chamber having a contact mass in loose aggregate form disposed in the interior thereof and openings in the side wall of said chamber for introducing a fuel gas thereto, conduits imbedded in and supported by said mass in substantially horizontal planes and having apertures at suitably spaced intervals throughout their length for the introduction of the fuel gas into said mass, the ends of said conduits being abutted against the side walls of the chamber and arranged in fluid-intercommunicating relationship with said wall openings and being non-rigidly and slidably associated with the wall of the chamber whereby said conduits are capable of limited movement relative to said wall without interruption of the flow of fuel gas through the conduits.

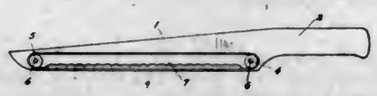
2,355,754
LAWN MOWER SHARPENER
Daniel Sell, Kansas City, Mo.
Application August 11, 1943, Serial No. 498,234
2 Claims. (Cl. 76—82.1)

1. The combination with a stationary lawn mower rod, a lawn mower cutter reel, of an abrading element holding device, said device comprising a flat body member, one end of said body member terminating in a downwardly extending apertured flange, a hooked flange carried by said apertured flange and adapted to hook over the stationary rod and the body member overlying the reel, a plurality of abrading elements in side engagement carried by the under side of the body member, said abrading elements having reduced ends extending through



the apertures of the apertured flange and means for clamping the outer ends of the abrading elements to the under side of the body member and maintaining the abrading elements in the same plane.

2,355,755
SLICING KNIFE
Haryl C. Simmons, Davenport, Iowa
Application February 19, 1943, Serial No. 476,401
8 Claims. (Cl. 30—283)



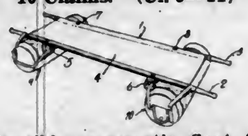
3. A slicing knife comprising an elongated rigid body member provided toward its two ends with substantially parallel transverse openings for the reception of blade supports, substantially cylindrical supports mounted in said openings and manually slidable therein to produce adjustment of the spacing of a blade from the body member, a cutting blade and a tension-retaining member mounted upon the end portions of said supports upon opposite sides of said body member.

2,355,756
PLASTIC MATERIAL AND METHOD OF WATERPROOFING THE SAME
Alva T. Smith, Milwaukee, Wis., assignor to The Sunlite Mfg. Company, Milwaukee, Wis., a corporation of Wisconsin
Continuation of application Serial No. 456,288, August 26, 1942. This application March 25, 1943, Serial No. 480,479
3 Claims. (Cl. 138—68)



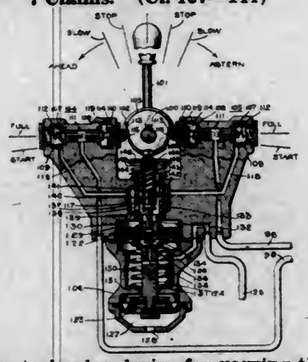
3. As an article of manufacture, a conduit formed of normally flexible plastic material having an interior coating embodying finely divided particles of material and a carrying agent of plastic material, said coating being characterized as being waterproof.

2,355,757
FLOATABLE STRETCHER
Abraham N. Spanel, Princeton, N. J.
Application December 27, 1943, Serial No. 515,699
10 Claims. (Cl. 9—11)



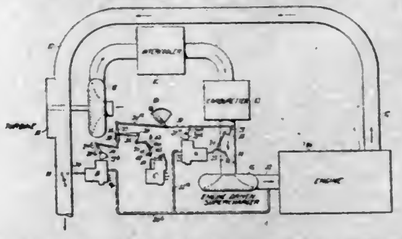
1. A collapsible pneumatic float for buoyant support of a body structure comprising an elongated substantially cylindrical fabric casing defined by substantially circular oppositely disposed ends and inflatable foldable pneumatic bladder means therein, and fastening means secured to said casing adjacent respectively opposite ends thereof for attachment to said body structure.

2,355,758
CONTROL VALVE DEVICE
Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application October 29, 1942, Serial No. 463,792. Divided and this application October 2, 1943, Serial No. 504,702
7 Claims. (Cl. 137—144)



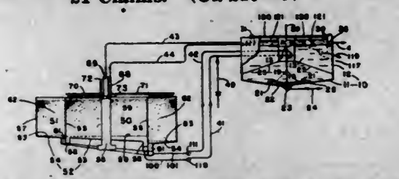
1. A control valve device for varying the pressure of fluid in either one or another of two pipes comprising a casing, fluid pressure control valve means in said casing operable to supply and release fluid under pressure, selector valve means in said casing for directing fluid provided by said control valve means to either one or the other of said pipes, a lever in said casing connected to both of said valve means and operable upon initial movement from a neutral position in one direction to effect operation of said selector valve means to connect said control valve means to one of said pipes and to disconnect said control valve means from the other pipe and operable upon initial movement from said neutral position in the opposite direction to effect operation of said selector valve means to connect said control valve means to said other pipe and to disconnect same from said one pipe, said lever being operable upon movement further from neutral position in either direction to effect operation of said control valve means to supply fluid under pressure to or to release fluid under pressure from the pipe connected thereto, the connection between said lever and selector valve means providing for movement of said lever relative to said selector valve means after the said initial movement in either direction from said neutral position.

2,355,759
EXHAUST-DRIVEN TURBOSUPERCHARGER FOR INTERNAL-COMBUSTION ENGINES
Philip Harold Stokes, Stratford-on-Avon, England, assignor to H. M. Hobson (Aircraft & Motor) Components Limited, Bridgewater, Somerset, England
Application January 14, 1943, Serial No. 472,319½
In Great Britain February 10, 1942
7 Claims. (Cl. 60—13)



1. In an aircraft engine installation of the type having an engine-driven supercharger, and a turbo-driven supercharger provided with a turbine driven by exhaust gas from the engine, the combination, with a throttle valve of the engine and a valve for controlling the supply of exhaust gas to the turbine, of two boost control devices, each comprising a servo mechanism and a member sensitive to boost pressure for operating said servo mechanism, one of said boost control devices including means operated from its servo mechanism for controlling the position of the throttle valve, the other boost control device including means operated from the other servo mechanism for controlling the position of the exhaust gas valve, means rendering said other servo mechanism effective to supply exhaust gas to the turbine only when rated height is exceeded, and an altitude-responsive device operative, at a predetermined critical height, to override the latter servo mechanism and so prevent overspeeding of the turbine.

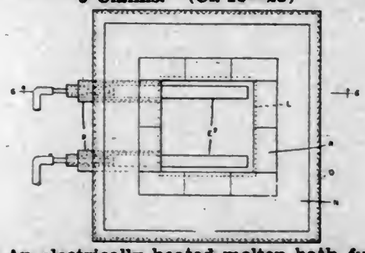
2,355,760
LIQUID CLARIFICATION APPARATUS
Henning Astrup Trebler, Baltimore, Md., assignor to Sealtest, Inc., New York, N. Y., a corporation of Maryland
Application November 14, 1942, Serial No. 465,532
21 Claims. (Cl. 210—7)



5. A clarification unit comprising a tank having a bottom and marginal wall rising therefrom; means for transferring sediment from said tank; a partial partition dividing the tank into horizontally disposed primary and secondary clarifier compartments and having a lower edge portion spaced from the bottom of the tank to provide hydraulic communication between said compartments; a feed well for the primary compartment; a liquid-distributing well for the secondary compartment; a primary launder section directly receiving some partially treated supernatant liquid from the primary compartment; an outflow means leading from said primary launder section; a commingling launder having a section

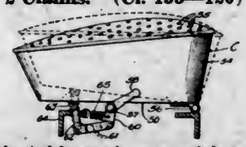
adjacent the upper edge of the tank directly receiving some partially treated supernatant liquid from the primary clarifier compartment and a section adjacent the upper edge of the tank directly receiving some supernatant liquid from the secondary clarifier compartment; an outflow means leading from said commingling launder; an effluent launder section directly receiving some supernatant liquid from the secondary clarifier compartment, and outflow means leading from said effluent launder section.

2,355,761
ELECTRICALLY HEATED MOLTEN BATH FURNACE
Richard C. Upton, Mount Clemens, Mich., assignor of one-half to Commerce Pattern Foundry & Machine Company, Detroit, Mich., a corporation of Michigan
Application April 23, 1943, Serial No. 484,249
9 Claims. (Cl. 13—23)



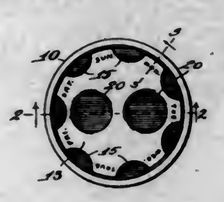
9. An electrically heated molten bath furnace comprising a refractory wall enclosing a central chamber for containing the molten bath, an electrode laid in a recess extending along a side of said chamber below the level of the molten material therein so as to expose only one face to the bath, said electrode extending out through said refractory wall, and means for cooling a portion of said electrode within said wall but spaced from said chamber to a temperature at which the molten material will freeze.

2,355,762
CHAIR OR SEAT
Clarence A. Van Derveer, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a corporation of Illinois
Original application June 17, 1938, Serial No. 214,320. Divided and this application July 26, 1941, Serial No. 404,100
2 Claims. (Cl. 155—120)



1. An adjustable seat, comprising a frame, a seat cushion having its front portion pivotally mounted upon the frame, a pair of spaced ratchet bars pivotally mounted at the upper ends thereof on the cushion at the rear end of the same and depending therefrom, said bars being in adjacent relation to a portion of the frame whereby the teeth on said bars may be brought into locking engagement with the frame in various positions to adjustably support the rear portion of the cushion on the frame, spring means for urging the ratchet bars into engagement with the frame, the teeth of the ratchet bars extending downwardly and laterally and having the upper surfaces thereof inclined downwardly whereby the ratchet bars may be moved upwardly but not downwardly with respect to the frame and against the urging of the spring when pressure for vertical movement is exerted on the rear portion of the cushion, a shaft rotatably mounted on the bottom of the cushion, a lever fixedly mounted on said shaft and extending downwardly therefrom, link members pivotally connecting the lower end of said lever with the lower ends of the ratchet bars whereby movement of said lever draws the ratchet bars from engagement with the frame to permit downward movement of the rear end of the cushion, and a manually-operable lever for rotating the shaft.

2,355,763
SAFETY RAZOR BLADE SHARPENER
Albert G. Wahl, Hollywood, Calif., assignor of one-third to Almond Balkins, Los Angeles, Calif.
Application July 11, 1942, Serial No. 450,525
2 Claims. (Cl. 51—161)

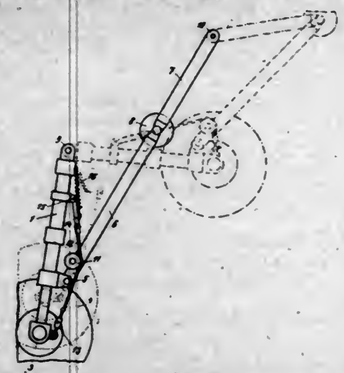


1. In a razor blade sharpener, the combination with a cup comprising a base and a circular wall, of a blade carrier arranged for rotation within said cup, said carrier comprising top and bottom plates and spaced ribs connecting the edges of said top and bottom plates the edges of said top and bottom plates between said ribs being notched inwardly to provide clearance for the razor blades positioned on the outer faces of said ribs, narrow ribs on the outer faces of said first mentioned ribs for engaging in the slots of the blades positioned on said carrier the ends of which narrow ribs are bevelled to facilitate application of the razor blades to said carrier and there being a plurality of eccentrically disposed finger receiving apertures formed in the top of said carrier.

2,355,764
RETRACTABLE LANDING GEAR FOR AIRCRAFT
Charles Raymond Waseige, Rueil, France; vested in the Alien Property Custodian
Original application August 24, 1938, Serial No. 226,569. Divided and this application August 4, 1939, Serial No. 288,462. In France September 10, 1937
11 Claims. (Cl. 244—102)

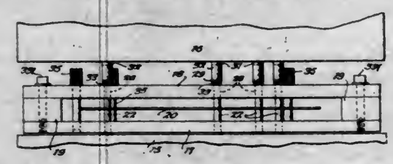
2. In aircraft, a retractable landing gear comprising a variable length shock-absorber, said shock-absorber including a pair of telescopic coacting portions, movable both with and with respect to each other, a hinged member mounted to effect reversed movements relatively to the said shock-absorber during extension and retraction operations respectively of the landing gear, means for retracting said landing gear, transmission means between the said two portions and the said member active to alter the length of the shock-absorber in the direction corresponding to the storage of energy in the same responsive to at least the most part of the

retraction operation of the landing gear and to communicate anew the energy thus stored to the



landing gear to supplement the action of gravity during the extension of the landing gear while decelerating the speed of such extension.

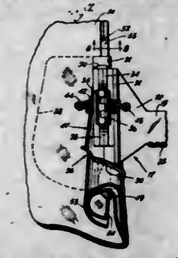
2,355,765
PUNCHING APPARATUS AND METHOD
George F. Wales, Kenmore, N. Y.
Application March 18, 1943, Serial No. 479,614
38 Claims. (Cl. 164—94)



1. A method of perforating work, which includes simultaneously forming holes completely through a pair of plates while secured together face to face, the holes being arranged according to the pattern of holes desired in the work, separating said plates and mounting them in fixed spaced relation to each other with the corresponding holes in the plates in axial alinement, placing die units tightly into the holes of one plate and punch units, each consisting of a stripper and central punch through it, slidably into the holes of the other plate, placing the plates into a press, positioning work between said plates, and moving said punch and stripper units relatively to their plate toward the die units of the other plate by means of the ram of the press to perforate the work, each of said strippers, upon the upward movement of the ram, withdrawing their punches from the work while said strippers continue to press upon said work after which said stripper and punch units are lifted away from said work and retained in elevated relation to said die units.

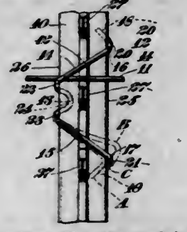
2,355,766
HEMMER ATTACHMENT
George Westhoff, Millstadt, Ill.
Application September 5, 1941, Serial No. 409,621
5 Claims. (Cl. 112—141)

1. In a device of the kind described, a support, means for rolling cloth for seaming mounted thereon, comprising a stationary section and a pivotally mounted section, said two sections having complementary cloth rolling surfaces, separable at adjoining edges, said pivotally mounted section being adapted to yield away from the stationary section to separate said complementary surfaces and adjoining edges upon the passage through the device of an abnormal thickness of cloth, and a member connected at each end of the stationary section extending therefrom across



the ends of the pivotally mounted section, said member being of sufficient length to extend across the space between the complementary surfaces when separated, and having an inner surface to join said surfaces whereby to prevent cloth from getting between the adjoining edges of the sections.

2,355,767
CLIP
William E. White, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application September 16, 1942, Serial No. 458,509
4 Claims. (Cl. 256—48)

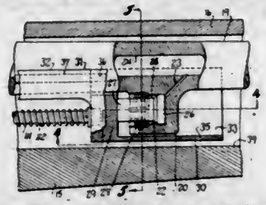


1. A resilient wire clip comprising end hook portions, an intermediate hook portion, and diverging legs extending from and connecting said intermediate hook portion with said end hook portions, said hook portions having flange-gripping portions and inwardly disposed retaining members to engage the flanges of a post to which the clip is to be applied, the flange-gripping portions of said intermediate hook portion being of greater length than the flange-gripping portions of said end hook portions.

2,355,768
GAS-OPERATED SELF-LOADING FIREARM
David M. Williams, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
Application February 4, 1942, Serial No. 429,447
6 Claims. (Cl. 42—3)

1. A gas-operated repeating firearm structure including in combination: a receiver; a barrel connected to the said receiver; a piston-chamber structure adjacent the said barrel and having a rearwardly-opening piston-chamber therein communicating with the bore of the said barrel; a stock adjacent the said receiver, barrel and piston-chamber structure; a piston reciprocating in the piston-chamber of the said piston-chamber structure and movable rearwardly therein under

gas pressure from the bore of the said barrel; a reciprocating action-slide associated with the said piston and driven rearwardly thereby, the said action-slide having a portion provided with a transverse wall extending laterally across the rear end of the piston-chamber in the said piston-chamber structure and engaged by said piston, and a flange-like side wall extending for-



wardly from the said transverse wall and laterally enveloping the bottom and sides of the said piston-chamber structure to shield the said stock from the impingement of hot gases and residues; and stop-means limiting the movement of the piston to a fraction of the movement of the said action-slide; the flange-like side wall of the action-slide having a length greater than the stroke of the said piston.

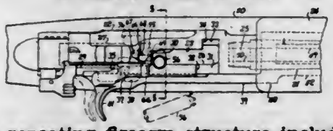
2,355,769

CARTRIDGE-DEFLECTING MEANS FOR REPEATING FIREARMS

David M. Williams, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware

Application February 13, 1942, Serial No. 430,782

2 Claims. (Cl. 42—25)



1. A repeating firearm structure including in combination: a receiver including a top wall and having a bolt-receiving chamber therein and an ejection-opening communicating with both the said bolt-receiving chamber and with the upper outer surface of the top wall of the receiver; a rearwardly-and-laterally-inclined cartridge-deflecting surface on the top wall of the said receiver at the rear of the said ejection-opening therein; a breech-bolt reciprocating in the bolt-receiving chamber of the said receiver; an extractor carried by the said breech-bolt; a cartridge-ejector carried by the said breech-bolt; and ejector-spring means also carried by the said breech-bolt and urging the said ejector forwardly relative to the said breech-bolt; the said cartridge-extractor and the said ejector being positioned on the said breech-bolt in position to throw a cartridge-casing against the cartridge-deflecting surface at the rear of the ejection-opening in the said receiver to cause the said cartridge-deflecting surface to deflect the said cartridge-casing laterally away from the said receiver.

2,355,770

PREPARATION OF CYCLO-TRIMETHYLENE-TRINITRAMINE

Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.

No Drawing. Application January 12, 1943, Serial No. 472,167

8 Claims. (Cl. 260—248)

1. The process for the nitration of hexamethylenetetramine to cyclo-trimethylenetrinitramine which comprises reacting hexamethylenetetramine, at a nitrating temperature, with concentrated nitric acid containing a phosphorus pentoxide, said phosphorus pentoxide being present in an amount not in excess of 25 parts, by weight, of P_2O_5 per 100 parts, by weight of nitric acid (100%), and said hexamethylenetetramine being added in an amount not in excess of 16 parts, by weight, of hexamethylenetetramine per 100 parts, by weight, of 100% HNO_3; adding the reaction mixture to an excess of cold water, with stirring, and filtering off the cyclotrimethylenetrinitramine which precipitates.

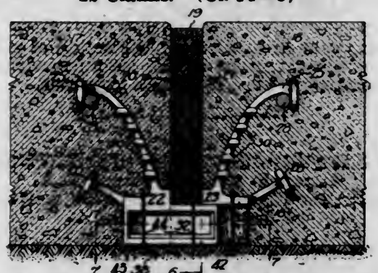
2,355,771

LOAD TRANSFER DEVICE AND TIE BAR

Ray Cyrus Yeoman, Lufkin, Tex., assignor to Texas Foundries, Inc., Lufkin, Tex., a corporation of Texas

Application November 27, 1939, Serial No. 306,221

12 Claims. (Cl. 94—8)



1. A load transfer device for use in association with adjoining concrete slabs comprising a pair of spaced members each having a bearing portion adapted to be anchored to its related slab, a separate bridging portion rigid with each bearing portion and extending therefrom and adapted to span the gap between the spaced members and extend into and take bearing in the bearing portion of the oppositely disposed member so that a portion of the load applied to either member is imparted to the bearing portion of the opposite member, and wherein the bearing portion of each member in cross-section is in the shape of an angle iron having a top flange forming a bearing surface and a depending vertically disposed leg, and wherein the bridging portion of each member includes a vertical web and a laterally disposed top flange which is adapted to seat upon the under surface of the top flange of said bearing portion of the oppositely disposed member.

2,355,772

PISTON RING

Victor F. Zahodiakin, New York, N. Y.

Application September 15, 1939, Serial No. 295,106

9 Claims. (Cl. 309—29)



1. A piston ring comprising, a series of segments and a circumferentially compressible and expansible retaining ring, said retaining ring including integral means attaching each segment thereto, and the segments arranged circumferentially with slight spaces therebetween.

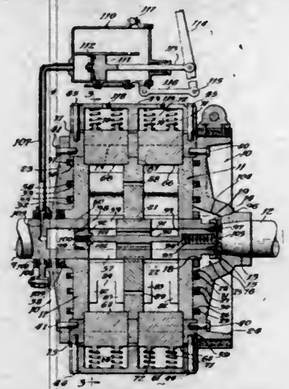
2,355,773

HYDRAULIC CLUTCH

Frank L. Zybach, Columbus, Nebr.

Application June 25, 1941, Serial No. 399,632

7 Claims. (Cl. 192—59)



1. A hydraulic clutch comprising, a casing member, a cam rotor member supported within the casing member with the cam portion of the periphery of the rotor in fluid-tight engagement with the casing member, the other portions of the periphery being spaced away from the casing member, at least one of said members being rotatable with respect to the other, means for rotating one of the members, a plurality of vanes carried by the casing in frictional engagement with the periphery of the rotor, said vanes dividing the space between the members into a plurality of fluid-tight chambers, said casing being provided with a passage communicating with one of said chambers and the outer end of one of said vanes whereby the fluid pressure within the passage is exerted on the outer end of the vane, a passage for bringing said chambers into communication with each other, and valve means for opening and closing said passage.

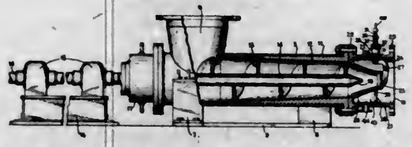
2,355,774

APPARATUS FOR CONVEYING PULVERIZED MATERIAL

Albert L. Baker, Summit, N. J., assignor, by mesne assignments, to Fuller Company, Catasauqua, Pa., a corporation of Delaware

Application November 29, 1941, Serial No. 420,991

7 Claims. (Cl. 302—50)



1. In a conveyor for pulverized material in which the material is aerated to produce a condition of fluidity, a casing having an inlet for material to be conveyed, a rotatable screw for advancing material through said casing, a manifold on the discharge end of said casing having an aerating chamber with a Venturi-shaped inlet passage for receiving material advanced by said screw, the end of said screw projecting within the mouth of said passage and having an end taper complementing the curvature of said inlet passage to produce a dense, high-velocity stream of said material discharging uniformly into said aerating chamber, a check-valve within said chamber cooperating with the discharge end of said inlet passage to restrict the flow of material therethrough, and means for aerating said material as it emerges from said passage.

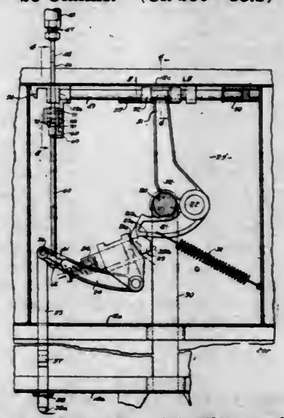
2,355,775

INTERLOCK FOR COUPLINGS AND SUPPORTS OF TRAILERS

Robert M. Barnhart, San Gabriel, John C. Bennett, Pasadena, and Percival M. Heinmiller, Los Angeles, Calif., assignors to Utility Trailer Manufacturing Company, Los Angeles, Calif., a corporation of California

Application November 6, 1942, Serial No. 464,776

25 Claims. (Cl. 280—33.1)



1. In a tractor and semi-trailer combination in which the tractor and trailer are provided with interengaging draft elements including a draft lock element on one vehicle operable to lockingly engage the draft element of the other vehicle and movable between open and closed positions, and in which the trailer is provided with a support movable between supporting and non-supporting positions; interlocking mechanism acting between the movable support and the draft lock element to prevent opening of the draft lock element until the support has been placed in supporting position, and to prevent movement of the support from supporting position until the draft lock element has been closed, said interlocking mechanism comprising a control element carried by one vehicle and connected with the movable support to move therewith, a movable locking member controlled in movement by the control element and adapted to move into locking engagement with the control element when the latter is in its position corresponding to the supporting position of the trailer support, and motion transmitting connection between the locking member and the draft lock element whereby the locking member in non-locking position positively holds the draft lock element closed.

2,355,776

METHOD OF AND APPARATUS FOR MEASURING CROSS TALK

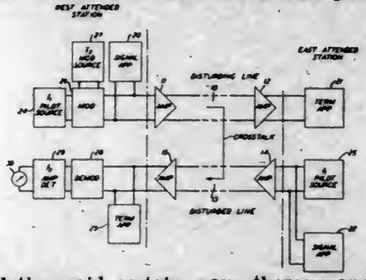
Harvey H. Benning, Lincoln Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 4, 1942, Serial No. 449,819

7 Claims. (Cl. 179—175.3)

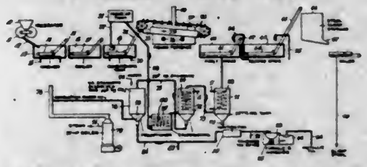
7. In combination, two conductor pairs extending together and embodying in each thereof an

amplifier having a characteristic regulated by an alternating wave of certain frequency, means for continuously applying said certain wave to each of said pairs for regulating the characteristics of the respective amplifiers, further means included in said wave applying means for continuously applying at the same time to one of said pairs other alternating waves having a predetermined frequency difference from said certain wave, means connected to the other of said pairs for



translating said certain wave thereon and the portions of said other waves thereon as cross-talk, passing from said one to said other pair, into a component whose frequency is equivalent to the predetermined frequency difference between said certain and other waves on said one pair, and means for observing the magnitude of said component as a measure of the magnitude of the cross-talk at said certain frequency, passing from said one to said other pair.

2,355,777
RECOVERY OF TIN AND SIMILAR METALS
Thomas W. Benson and Bertram F. Hoffman, Philadelphia, Pa.
Application October 8, 1940, Serial No. 360,280
8 Claims. (Cl. 23—144)

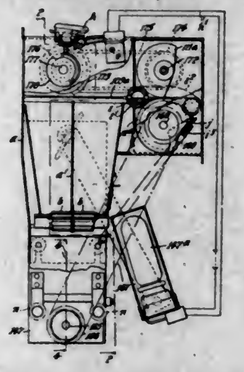


1. A process of recovering tin from scrap containing the same, which comprises thinly coating a caustic alkali upon such tin scrap and fusing such caustic alkali coating upon the surface of such tin scrap to convert the tin into an alkali metal stannate.

2,355,778
BREAKING PETROLEUM EMULSIONS
Henry G. Berger and Paul M. Goodloe, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application March 31, 1943, Serial No. 481,292
8 Claims. (Cl. 252—333)

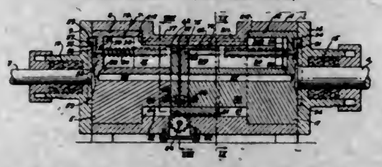
1. The process of breaking petroleum emulsions of the water-in-oil type, which comprises treating the emulsion with a water soluble, oil insoluble mahogany sulfonate and a mahogany sulfonic acid which forms water soluble, oil insoluble mahogany sulfonates, said acid being present in sufficient quantity relative to said sulfonate to substantially enhance the demulsifier effect of the latter.

2,355,779
AUTOMATIC PHOTOGRAPHIC MACHINE
David Samuel Burleigh, Wembley, England
Application July 1, 1942, Serial No. 449,235
In Great Britain July 29, 1941
2 Claims. (Cl. 88—24)



1. In an automatic photographic machine, two closely mutually adjacent downwardly directed cameras, peripherally gapped discs discontinuously engaging a negative photograph simultaneously opposite said two cameras, peripherally gapped discs discontinuously engaging a light-sensitive strip in the focal plane of and within said two cameras, a continuously rotated ratchet wheel, a pawl engaging said ratchet wheel and driving said peripherally gapped discs, a lever holding said pawl out of engagement with said ratchet wheel, an electromagnet attracting said lever from holding said pawl, an electric circuit for said electromagnet, a mercury switch in and rocked to close said electric circuit by said negative photograph, a cam driven by said pawl and restoring said mercury switch, an electric lamp located to illuminate said negative photograph, an electric circuit including said electric lamp, a mercury switch in and dropped to close said lamp circuit, an interrupted cam driven by said pawl and dropping and restoring said mercury switch in said lamp circuit, and means for severing the portion of said light sensitive strip engaged by said second-mentioned peripherally gapped discs.

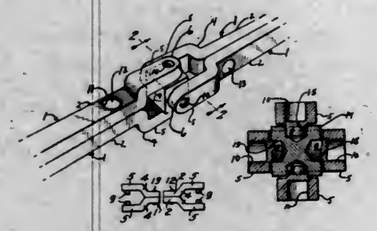
2,355,780
VARIABLE SPEED FLUID DRIVE TRANSMISSION
John S. Byrne, Oakland, Calif.
Application September 8, 1941, Serial No. 409,965
5 Claims. (Cl. 60—53)



1. A fluid transmission, comprising a housing, an eccentric bore formed in said housing, a collar congruent with and axially slidable within said eccentric bore, passages formed in said housing forming a closed loop through said bore around said collar, impeller-supporting members rotatably disposed within said housing, reduced diameter impeller-supporting member portions

extending axially toward the center of said housing, a bore formed axially in said collar and arranged to receive rotatably therein said reduced diameter impeller-supporting member portion, impeller blades rockably mounted in said impeller-supporting members, cam tracks formed at each end of said housing, a cam arm fixed to each of said blades and arranged to engage one of said cam tracks to rock said blade into sealing contact with said eccentric bore, said blades terminally engaging said collar, resilient means for urging said blades axially against said collar, and means for traversing said collar axially of said housing.

2,355,781
UNIVERSAL JOINT AND RODDING AND METHOD OF MAKING
Oliver V. Cardinal, Detroit, Mich., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application August 3, 1940, Serial No. 350,884
17 Claims. (Cl. 29—148)



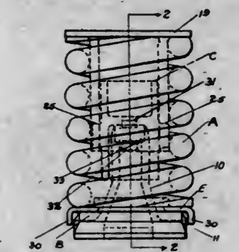
1. The method of making unitary, universally jointed rodding including an integrally combined pivotal joint and length of rodding comprising the steps of embossing a bent, short, offset portion in a length of strip metal stock at the first station of a progressive multiple die and simultaneously forming on the offset portion formed by the previous press operation an integrally-united projecting pivot pin by an extrusion punch, severing said offset portion by a cut-off punch, piercing rivet holes through the remaining length of said strip length by piercing punches, all of said punches being located at the second station of said progressive multiple die, providing a member having opposed bearing openings for said pivot pins, and then assembling and riveting together through said rivet holes pairs of such formed strip lengths in flatwise, side-by-side position with their pivot pins thus held in said bearing openings.

5. As an improved article of manufacture, a light, unitary, jointed rodding having complete length units of rodding with portions of a Hooke's type universal joint integral therewith, each length unit consisting only of two flat, metal strips as long as a complete rod length unit, said strips being secured together in overlying flatwise relation to form a complete shaft length and each strip having offset, integral ends thus held and secured to form a rigid fork at each end thereof, intermediate members, and means including pivot trunnions and journal openings therefor pivotally connecting said intermediate members between the integral forks at each end of each of said lengths of rodding.

2,355,782
METHOD OF PRODUCING A RESIN ACID LACTONE
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 31, 1942, Serial No. 453,050
9 Claims. (Cl. 260—97)

1. A process of producing a resin acid lactone which comprises treating a rosin which contains dihydroabietic acid with concentrated sulfuric acid, at a temperature within the range of from about —20° C. to about +50° C. for a period of from about 1 minute to about 1 hour, in the presence of a solvent in which said resin is soluble and in which said resin acid lactone is substantially insoluble, adding water in an amount sufficient to remove the sulfuric acid from the solution and recovering a resin acid lactone from the mixture.

2,355,783
SHOCK ABSORBER
George Binet Dorey, Westmount, Quebec, Canada
Application June 9, 1942, Serial No. 446,387
8 Claims. (Cl. 267—9)

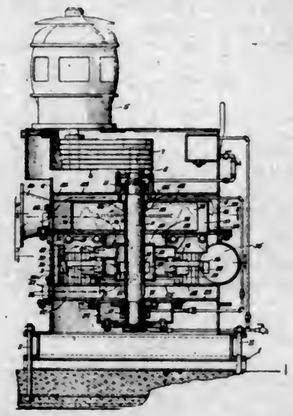


1. In a shock absorber, a coiled helical spring; a friction shell having a body portion extending lengthwise of the spring and a shoudered section engaging one end of the spring; a pair of friction shoes in sliding engagement with the body portion of the shell; and a pair of bell crank levers each having one arm extending lengthwise of the body portion of the shell and having another arm extending laterally from the first mentioned arm; said first named arm pivotally engaging a friction shoe and said lateral arm being extended to engage with the end of the spring opposite to the shouldered section of the friction shell whereby the bell crank levers will force the shoes outwardly against the friction shell body portion on pressure being applied on the ends of the shock absorber.

2,355,784
PULVERIZER
Eugene J. Dondlinger, Chicago, Ill.
Application January 7, 1942, Serial No. 425,833
10 Claims. (Cl. 83—11)

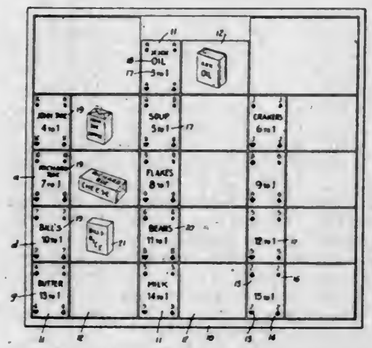
2. In a pulverizer which includes a casing and a vertical shaft journaled for rotation therein, the combination of a pulverizing chamber, a rotor in said chamber comprising a hollow hub on the shaft with an upper plate and a lower plate extending horizontally therefrom in vertically spaced relation, said hub being closed at one end and open at the other end, the interior of the hub opening into the space between said plates, impact members pivotally carried between said plates and extending outwardly beyond them, and

means producing a flow of air only into the open end of said hub and outwardly between the plates for admixture with material pulverized by the



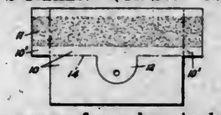
impact members, together with means delivering material to be pulverized directly into the peripheral portion of the chamber in the path of said impact members.

2,355,785
GAME OR SIMILAR DEVICE
John Dorfman, New York, N. Y., assignor to Malco, Inc., New York, N. Y., a corporation of New York
Application October 21, 1942, Serial No. 462,780
2 Claims. (Cl. 273—135)



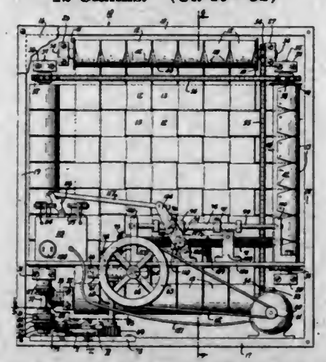
2. In a game device wherein conventional playing cards are employed; a game board comprising a plurality of rows of fields, said rows being arranged on said board in spaced and parallel relation, emblems carried by each of said fields and representing suits of said playing cards, indicia disposed on each of said fields and indicating a value corresponding to a respective value of said playing cards, and a plurality of rows of sections respectively arranged adjacent said rows of fields, each of said sections being adapted to support a plurality of said playing cards, the indicia and emblems on each of said fields being adapted respectively for coordination with values and suits of playing cards when positioned on said sections respectively to thereby simulate hands of the game on said board.

2,355,786
SEALING MEANS FOR BAGS
Donald F. Dreher and Howard E. Lanzit, Los Angeles, Calif., assignors of one-fourth to Wedworth W. Clarke and one-fourth to Raymond R. Lanzit
Application December 18, 1939, Serial No. 309,759
2 Claims. (Cl. 229—62)



1. Sealing means for a bag including a card-like member coated on one side with a pressure sensitive adhesive, a bag having its open end pressed flatwise down upon said member and said adhesive to adhere one side of said bag to said member with the end of said side of said bag in a part of said adhesive, said member together with the open end of said bag being folded down upon the other side of said bag and adhered thereto, said member having extensions at its opposite sides portions of which carry an adhesive coating arranged in alignment with the adhesive on said member, said extensions to be folded rearwardly around the opposite sides of said bag to effect hermetical sealing thereof.

2,355,787
PICTURE CHANGING DISPLAY
Pierre George Ducarpe, New York, N. Y., assignor to Broadfield Metals Corporation, New York, N. Y., a corporation of Delaware
Application December 11, 1940, Serial No. 369,577
12 Claims. (Cl. 40—31)

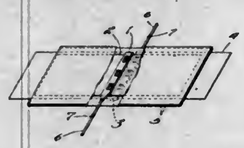


1. A picture display device comprising two sets of tapes, each set comprising more than two tapes woven together for portions of their lengths to form a given display, means connecting said sets together for concurrent movement, means for moving said tapes to present successive displays, space measuring devices for moving said sets of tapes by unequal space shifts to present, at times, the underlying portions of said given display and to present at times portions of said tapes lying beyond the confines of said given display.

2,355,788
ELECTROLYTIC CAPACITOR
Frank S. Dunleavey and Ralph Watkins Clark, Fort Wayne, Ind., assignors, by mesne assignments, to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application December 12, 1940, Serial No. 369,816
3 Claims. (Cl. 175—315)

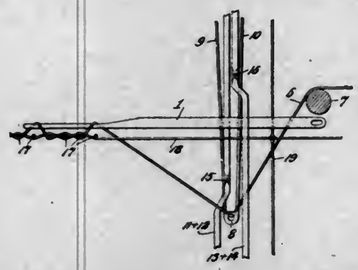
1. A unitary capacitor structure adapted to provide an impedance on the order of 1.0 ohm

over a frequency range of 0.55 to 10 mega-cycles comprising, in combination, opposed film forming electrodes at least one of said electrodes having a dielectric film formed thereon, terminals for said electrodes, each terminal being attached to the center of its respective electrode and the terminal of one of said electrodes being non-induc-



tively located with respect to the terminal of the opposing electrode, said electrodes having a total active area on the order of four to eight square inches, and a length on the order of two to four inches, and a spacing means for said electrodes thoroughly impregnated with electrolyte having resistance value on the order of 50 ohms per centimeter cube at 100° C.

2,355,789
METHOD OF MAKING FABRIC
Benjamin S. Faber, New York, N. Y.
Application December 30, 1941, Serial No. 424,863
9 Claims. (Cl. 139—46)



4. A method of producing loop fabric including interweaving ground warp threads including additional ground threads and weft threads, interweaving warp pile threads under weft threads and over gauges and between ground warp threads, and on alternate sides of their respective additional ground warp threads.

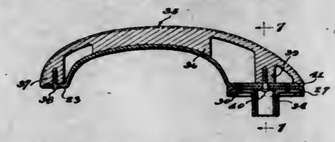
2,355,790
RECORD CHANGER SPINDLE
Willard J. Faulkner, Chicago, Ill., assignor to Advance Engineering Company, Chicago, Ill., a partnership comprising K. D. Turner, John Huarisa, L. C. Parks, and J. H. Clippinger
Application February 24, 1941, Serial No. 380,248
9 Claims. (Cl. 274—10)

1. A stationary spindle for supporting a stack of records adjacent their center holes comprising a lower body portion arranged to extend through a turntable spindle and to be non-rotatably supported relative thereto, a shoulder on said body for engagement with the bottom record of the stack, a second upper body extending in prolongation from said first body and having an offset portion for retaining the records in a stack, a neck for integrally connecting said parts having a length greater than the thickness of a record, and means for engaging the bottom-most record



of said stack and holding it against said neck comprising a resilient member carried by said upper body.

2,355,791
HANDLE FOR VEHICLE DOORS
Burton S. Floraday, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application July 30, 1941, Serial No. 404,605
7 Claims. (Cl. 292—347)

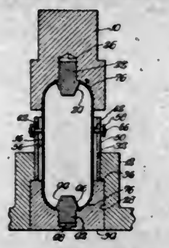


1. In a handle of the class described, a sheet metal body portion, said body portion having elongate side walls spaced laterally from each other to provide a channel, a pair of end walls rigid with opposite end portions of said side walls, inturned flanges on the lower edge portions of said side walls arranged in abutting relation and providing the bottom wall of said channel, an ornamental strip fitting said channel, a web depending from said strip and engaging the bottom wall of the channel, means for securing said strip in place, and means rigid with one end wall providing a shaft engaging socket.

2,355,792
METHOD FOR FORMING CLOSED TUBES
George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Original application November 12, 1940, Serial No. 365,313. Divided and this application September 29, 1941, Serial No. 412,823
7 Claims. (Cl. 113—51)

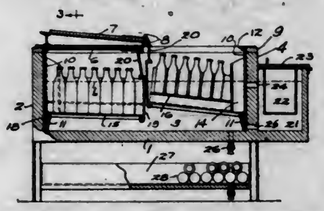
3. The method of using a single press movement for forming a container having relatively closed ends from a single length of drawn metallic tubular stock of uniform wall thickness normally having a resistance to deformation insufficient to resist the effect of applied pressure comprising squaring the ends, rendering said ends less resistant to deformation without change in the shape thereof by heating both ends of said stock to a temperature of between 800° F. and 1200° F. for a distance inwardly from each end less than half the length of said stock and not exceeding the portion thereof to be formed into

said respective closed ends, allowing an interval for said heated ends to cool, then applying pressure uniformly to all parts of the squared ends and forcing said ends simultaneously toward each other and laterally inwardly at all sides thereof



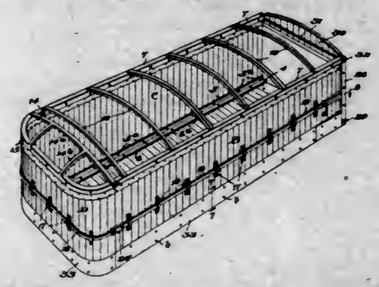
to a position spaced from the central axis forming the original tubular wall adjacent each end into a smooth inwardly turned curve with the end edge terminating in an aperture substantially smaller in diameter than the diameter of said stock.

2,355,793
COOLER
Harry C. Fyock, Reynolds, Mo.
Application July 19, 1943, Serial No. 495,302
20 Claims. (Cl. 62—34)



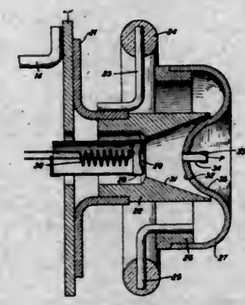
1. In a cooler of the class described, a liquid receptacle, having upright walls, a goods support therein, a door arranged to be opened and closed to provide access to the goods on the support, and means actuated by the opening and closing of the door for circulating the liquid transversely of the receptacle between said walls.

2,355,794
VEHICLE BODY CONSTRUCTION
William W. Gentry, Chickasha, Okla.
Application April 20, 1943, Serial No. 483,776
2 Claims. (Cl. 296—27)



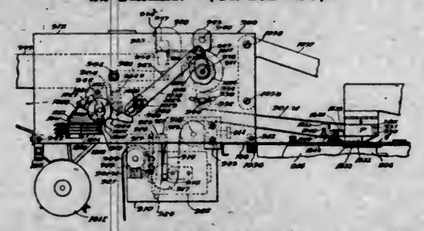
1. A sectional vehicle body construction, adapted to be compactly arranged in knockdown condition for shipment, comprising, in combination, a floor section having rounded front corners, rectangular side sections, and a front section having arcuate corner portions adapted to fit about the rounded front corners of the floor section, means for securing the inner lower portions of said front and side sections to the edge portions of the floor section, cover supporting elements having means at the ends thereof releasably interlocking with the upper edges of the side walls to connect and brace the same, a cover supporting frame permanently fixed to the upper edge of the front section and including transverse member aligning with said cover supporting elements, a flexible cover adapted to be placed over said cover supporting elements, means for clamping the side sections and front section together and compressing the same against the front and side edges of the floor section, said means including a metal band carried by the front section and a complemental band carried by each of the side walls, means for releasably coupling said bands together at the junction of the front and side sections, and means at the rear end of each band on a side section adapted to be manipulated to draw the bands carried by the side sections rearwardly and thereby pull the band carried by the front section through said couplings to place the front and side sections under compression about the edges of the floor section, said floor section, when the body is collapsed constituting a support on which the side sections may be horizontally stacked and the front section being adapted to be placed over the stacked side sections so that the outer edges of the said front section rest on the floor section thereby constituting means to house and maintain the flexible cover and side sections in assembled relation.

2,355,795
ELECTRODE SYSTEM
Myron S. Glass, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 17, 1942, Serial No. 455,043
5 Claims. (Cl. 250—162)



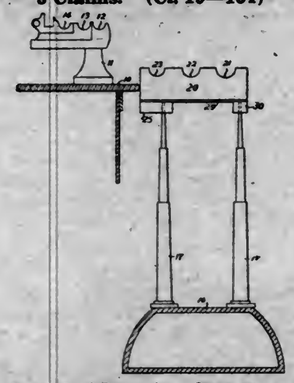
2. An electron gun comprising a cathode, a centrally apertured anode in alignment with said cathode and having a dished surface facing away from said cathode, a beam-forming electrode between said cathode and said anode, the facing surfaces of said anode and said electrode being of predetermined configurations to converge electrons emanating from said cathode substantially upon a point in front of said dished surface, and a conductive member having a restricted aperture therein mounted within the space bounded by said dished surface, in alignment with the aperture in said anode and substantially at said point, said conductive member being connected electrically to said anode.

2,355,796
PRINTING MACHINE
Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application February 26, 1940, Serial No. 320,778
22 Claims. (Cl. 101—57)



1. In a proofer and pager for use with a printing machine having impression means defining a printing station, means for feeding a web past the printing station in the machine, driving means for said web advancing means, clutch means operatively interposed between said driving means and said web advancing means and effective when operated to enable said driving means to actuate said web feeding means for advancing a predetermined amount of web past said printing station, timing means controlled by said printing machine for intermittently operating said clutch means, severing means effective when operated to cut a proof sheet from the printed portion of said web, other clutch means for operatively connecting said severing means to said driving means when a severing operation is to be performed, and other timing means operable by said web advancing means and operating when a predetermined number of web advancing operations have been effected to condition said other clutch means to be operated by the first-named timing means.

2,355,797
ROLL RACK FOR ROVING FRAMES
Albert M. Guillet, Charlotte, N. C.
Application December 11, 1943, Serial No. 513,907
3 Claims. (Cl. 19—134)



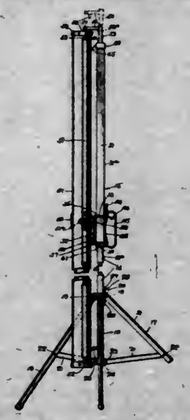
1. A roll rack for roving frames and the like wherein the roving frame is equipped with a plurality of roll stands in which elongated steel rolls are adapted to operate, and the roving frame also having a pair of rows of spaced spindles disposed in staggered relation to each other, the roll stand rack comprising a supporting member having an inverted rectangular member secured to the lower surface thereof and adapted to fit over one of the spindles adjacent the roll stand, the other end of the supporting member having an elongated member pivoted thereto and having an elongated cavity in the lower surface thereof which is adapted to fit over two adjacent spindles in the front row of spindles of the roving frame, the upper surface of said supporting member having a plurality of notches therein adapted to receive the rolls from the roving frame roll stands when they are removed therefrom.

2,355,798
CONTINUOUS TYPE STEAM BLANCHER
Ervin H. Guthier, Santa Ana, Calif.
Application July 2, 1943, Serial No. 493,293
7 Claims. (Cl. 99—443)



1. In a pre-cooking apparatus of the character described, the combination of a frame, an open ended, undulated housing mounted on said frame and terminating short of both ends thereof, the ends of said housing being located adjacent to low points thereof, said housing having hinged oppositely inclined top portions and chimneys provided adjacent to each high point thereof, steam emission pipes in said housing, means to govern ingress of steam into said housing, means to govern egress of steam therefrom, thermal control means, continuous conveyor means extending the length of said frame and operable through the housing in a constant horizontal plane in contradistinction to the undulations of the housing, and carrier means supported on said conveyor means whereby steam emitted by said steam emission pipes has direct access to products carried by said carrier means from both sides and the top and bottom thereof.

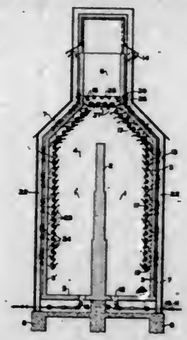
2,355,799
PORTABLE PICTURE SCREEN STAND
John T. Heck, Elmhurst, Ill., assignor to Da-Lite Screen Company, Inc., Chicago, Ill., a corporation of Illinois
Application June 10, 1942, Serial No. 446,461
10 Claims. (Cl. 160—24)



1. In a structure of the character described, the combination of a main stand having supporting legs, an intermediate member slidably carried on said main stand, a screen web and reel

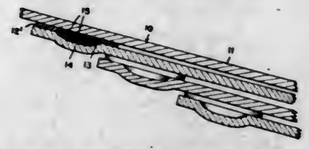
carried on said intermediate member, an extension member cooperating with said intermediate member for raising and lowering the height of the intermediate member, said extension member having a predetermined independent distance of movement with respect to said intermediate member for supporting a definite length of screen web unwound from the reel, and a lock on the intermediate member coacting with the main stand to selectively hold said intermediate member and extension to any desired position therefor on the main stand.

2,355,800
HEATING OF FLUIDS
Walter C. Hensel, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 20, 1942, Serial No. 439,737
5 Claims. (Cl. 122—510)



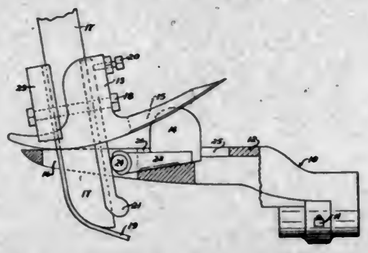
4. In combination with a furnace having horizontal heating tubes therein, a hollow member projecting through a wall of the furnace and having a recessed portion adapted to engage and support at least one of said tubes, said member being provided with an opening outside the furnace and an opening within the furnace, and means for inducing the flow of air through said member from the first-mentioned opening to the second-mentioned opening.

2,355,801
SPACER
Kenneth W. Hildenbrand, Monroe, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application April 22, 1940, Serial No. 331,037
1 Claim. (Cl. 267—49)



A leaf spring assembly having a pair of leaves supported in superposed relation, at least one of the leaves having a depression in one face thereof, a spacer of nonmetallic friction material interposed between the leaves in frictional contact with adjacent surfaces of the leaves, and a button of asphalt composition secured to one side of the spacer and projecting into said depression to hold the spacer against movement relative to the spring leaf aforesaid.

2,355,802
PARALLEL MECHANISM FOR LOOMS
Ray W. Hook, near Union, S. C., assignor to Monarch Mills, Union, S. C., a corporation of South Carolina
Application March 13, 1944, Serial No. 526,149
4 Claims. (Cl. 139—150)



4. In a loom having a parallel on the upper surface of which a shoe of a picker stick is adapted to oscillate, said shoe having an opening therein and a parallel plug mounted in the parallel and having an upwardly projecting guide fin for engaging said opening in said shoe to guide the same during rocking movement of the shoe.

2,355,803
WINDOW UNIT
Fred B. Hopewell, Bargaintown, N. J.
Application December 8, 1943, Serial No. 513,425
5 Claims. (Cl. 160—33)

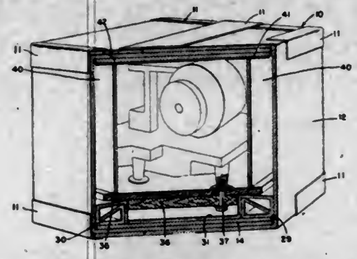


1. In a window unit a unitary metal frame including uprights and cross pieces, a housing formed within the frame, the said housing provided with a plurality of integral spaced compartments, the bottom cross piece of the frame also provided with relatively shallow integral runways registering with their respective compartments, rollers mounted along said runways, a storm sash, a screen sash, a window sash, and a shutter sash positioned in said runways, mounted on said rollers and adapted to be individually rolled back into their respective compartments when not in use and run forwardly when they are to be in their closed position, and the bottom of the runways provided with openings arranged to drain any water from said unit.

2,355,804
PACKAGING RECEPTACLE
Volney A. Hutchinson, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application August 3, 1940, Serial No. 350,799
11 Claims. (Cl. 206—46)

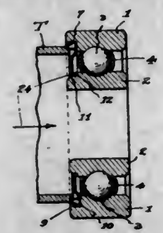
1. A shipping container comprising a plurality of supporting members outlining a well at the lower end of the container, a supporting platform resting directly on said supporting members to receive an article thereon, a positioning member secured to said platform and located within said well for guiding said platform into position on said supporting members, and means

extending vertically from said platform adjacent the edges thereof and contacting the top of the



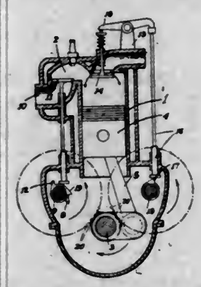
container for holding said platform on said supporting members and forming therewith a chamber for the article.

2,355,805
ANTIFRICTION BEARING SHIELD
Orville W. Koepp, Ann Arbor, Mich., assignor to Hoover Ball & Bearing Company, Ann Arbor, Mich., a corporation of Michigan
Application April 22, 1943, Serial No. 483,999
5 Claims. (Cl. 308—187.2)



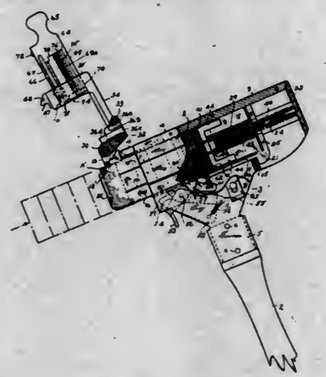
1. In a bearing having an outer race member and an inner race member, said members having a space therebetween, rolling bearing elements between the race members, the outer race member having an inwardly opening groove located to one side of the rolling elements, and a shield for closing the space between the race members comprising a washer-like member having a segmented beaded edge expanded into said groove.

2,355,806
INTERNAL-COMBUSTION ENGINE
John M. Kroyer, Stockton, Calif., assignor of one-fourth to John O. Eccleston, Stockton, Calif.
Application April 1, 1942, Serial No. 437,102
1 Claim. (Cl. 123—64)



A multiple-stroke cycle internal combustion engine including a cylinder and a reciprocating piston therein, fuel mixture intake, exhaust, and fesh air intake passages leading to the head of the cylinder, mixture intake, exhaust and air valves in the several passages, means including cams functioning upon movement of the piston through four successive strokes to operate the mixture intake valve and the exhaust valve so as to draw in and compress the mixture during the first two of such strokes and exhaust the same during the fourth stroke, means to open the air intake valve during the downward stroke of the piston immediately following the exhaust stroke whereby a charge of fresh air will be drawn into the cylinder and a cam to again open the exhaust valve during the succeeding upward movement of the piston but only after said air intake valve has closed and after the piston has moved upwardly a predetermined distance.

2,355,807
STAPLING DEVICE
Desmond R. La Place, Pittsburgh, Pa., assignor to Bocji Corporation, Pittsburgh, Pa., a corporation of Delaware
Application April 2, 1941, Serial No. 386,498
21 Claims. (Cl. 1—49)

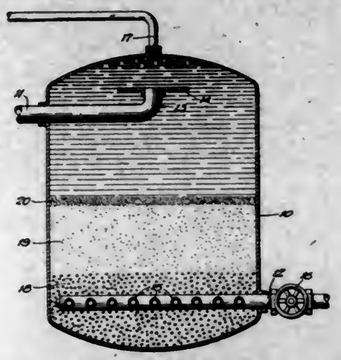


1. Apparatus for driving fasteners in which the head of the fastener is rotated from the plane of the leg portion of the fastener during the driving of the staple to a plane approximately perpendicular thereto comprising a driver having an end face with an inclined surface thereon over a portion only of the area thereof arranged to cam the head of the fastener over, and a guide for holding the staple, the guide and the driver being movable relatively to each other.

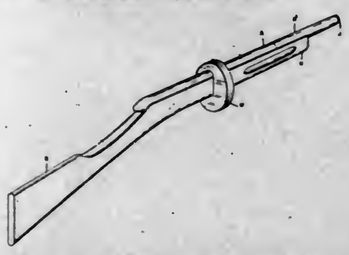
2,355,808
REMOVAL OF MANGANESE FROM WATER
Joseph P. Lawlor, Ames, Iowa
Application November 5, 1941, Serial No. 417,909
3 Claims. (Cl. 210—16)

1. A method of preparing a bed of a manganese removal material, comprising providing in a filter zone a layer of sand in which the grains thereof are free of any manganese deposit, adding to said layer a smaller layer of sand wherein the grains thereof have been coated with manganese dioxide by the passage therethrough of water containing finely divided particles of a manganese compound suspended therein, the coated grains of sand being in contact with the grains in said first-mentioned layer, and passing through both of said layers water containing

finely divided particles of a manganese compound suspended therein to form on the uncoated grains of sand a manganese deposit which increases the efficiency of the bed in removing manganese from water.



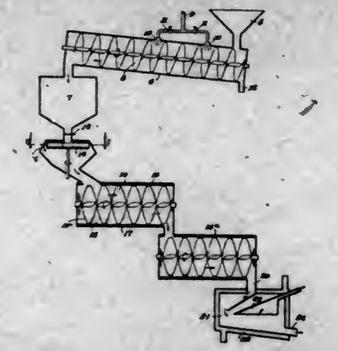
2,355,809
POPGUN
Charles F. Lefever, Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan
Original application October 26, 1942, Serial No. 463,395. Divided and this application April 19, 1943, Serial No. 483,631
4 Claims. (Cl. 124—11)



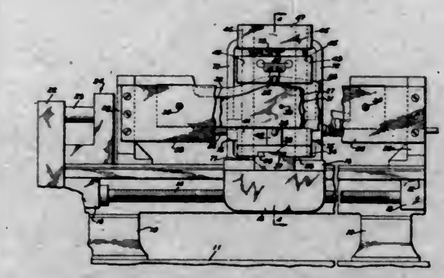
1. In a toy gun, the combination with a stock, of a false barrel formed of two aligned sections, the rear section being solid and secured to said stock, and the forward section having a longitudinal bore therethrough to constitute the barrel of a popgun, a plunger secured to said rear section and extending into the bore of said forward section, a stopper for the forward end of said barrel, and a pump action handle secured to said forward section of the barrel and slidably engaging the rear section thereof.

2,355,810
METHOD AND MEANS OF PEELING GRAINS
Walter W. Loewy, New York, N. Y.
Application November 1, 1941, Serial No. 417,443
5 Claims. (Cl. 83—94)

1. In the process of removing the epidermis coverings from grain kernels; the steps of feeding grain in opposed direction to the flow of a liquid spray, regulating said spray so as to solely provide surface damping or wetting action on the coverings of said grain, collecting said grain and allowing said damping action to take effect on said coverings and to loosen the latter, subjecting thereafter said grain to tumbling and subsequent shock treatment whereby said loosened coverings are split open, forwardly moving the grain with the coverings thus split while subjecting the latter to peeling action, and separating the coverings from the peeled kernels of the grain.



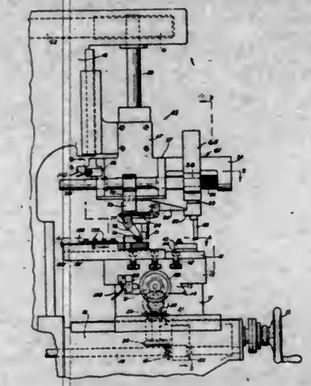
2,355,811
METHOD OF AND APPARATUS FOR SHAPING ARTICLES
Frank Martindell, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1943, Serial No. 495,910
11 Claims. (Cl. 164—47)



1. In a profiling apparatus, means for holding an article to be profiled, means for cutting said article, means for reciprocating said cutting means transversely with respect to said article, means for intermittently advancing said cutting means longitudinally with respect to said article, a support for said cutting means, and means for controlling the plane of reciprocation of said cutting means in accordance with a predetermined pattern, said control means acting directly on said support.

2,355,812
APPARATUS FOR SHAPING ARTICLES
Frank Martindell, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1943, Serial No. 495,911
10 Claims. (Cl. 164—47)

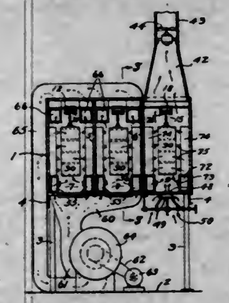
1. An article profiling apparatus comprising a support for work to be profiled, a cutting tool, a movable support for said cutting tool, said article support being movable longitudinally with respect to said cutting tool support to advance the article with respect to said cutting tool, guide means associated with said article support, means associated with said cutting tool support for engaging said guide means to control the movement of said support, means for clamping said guide engaging means against said guide means, and means for positively engaging and disengaging said cutting tool with said article.



2,355,813
METHOD OF LOGGING
Thayer T. May, Garden City, La.
No Drawing. Application February 5, 1944, Serial No. 521,283
8 Claims. (Cl. 214—152)

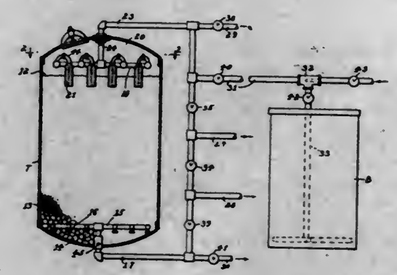
2. The method of logging consisting in, first determining the depth of water required to float logs in a certain area, second, forming float-roadways in said area, third, forming a levee around the perimeter of said area, and fourth, pumping water into said area and maintaining water therein at a predetermined level and then transferring the logs to a point of destination along the roadways formed.

2,355,814
OVEN FOR THE CONTINUOUS BAKING OF CORES OR THE LIKE
Carl F. Mayer, Lakewood, Ohio
Application September 3, 1942, Serial No. 457,176
6 Claims. (Cl. 34—66)



1. An oven structure enclosing an elongated tunnel-like passage that is open at its ends, one of said ends being the inlet and the other the outlet of said passage, conveying means for continually carrying work through said passage in a direction from said inlet toward said outlet, the oven structure being such that said passage turns back and forth upon itself to provide a plurality of corridors disposed in side by side relation, exhaust means communicating with different corridors at locations remote from each other along the passage but adjacent each other transversely of the oven structure, a relatively short manifold communicating with said exhaust means of the different corridors, suction means wherewith the outlet of the manifold communicates, the portion of the passage between the aforesaid locations constituting a heating zone, the said zone including parts of adjacent corridors, one of the aforesaid locations being distant from the outlet of the passage and the portion of the passage between the last mentioned location and said outlet constituting a cooling zone, air supply means and air recovery means extending along said heating zone, an air heating and circulating system comprising air heating means and air impelling means and conduits leading from said air heating and impelling means to the aforesaid air supply and recovery means, the conduits including manifolds disposed transversely of the oven structure and communicating with said air supply and recovery means of adjacent corridors, and means for forcing fresh air through the cooling zone.

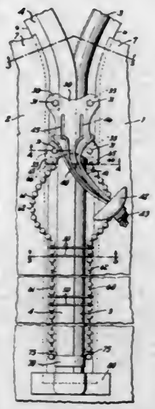
2,355,815
FLUID CONDITIONING APPARATUS
Chester T. McGill, Elgin, Ill.
Original application May 20, 1938, Serial No. 208,994. Divided and this application December 22, 1941, Serial No. 423,995
7 Claims. (Cl. 210—24)



1. Apparatus for conditioning fluid in liquid form comprising a tank containing a bed of fluid conditioning material, fluid distributing means in the lower part of said tank, said tank having a freeboard space in the top thereof above the bed of fluid conditioning material, a single fluid collecting manifold in the upper portion of said tank, conduit means for connecting said manifold and the aforesaid fluid distributing means with a source of fluid supply, to drain, and to a point of use, one or more tubular members communicating with and carried by the manifold providing relatively large outlet openings on said manifold at a predetermined elevation above the top of the bed adapted for continuously allowing flow of fluid therethrough whenever there is fluid flow through the tank, and one or more strainer elements on and communicating with the manifold but disposed below the elevation of the last named openings having relatively small flow passages, the strainer elements being adapted to retain the fluid conditioning material while permitting outflow of fluid from the tank through the manifold, said strainer elements serving to re-

duce the rate of flow of fluid at said relatively large outlet openings to a rate below the settling rate of substantially all of the fluid conditioning material in the tank and allow enough flow at said relatively large outlet openings for entrainment of sediment with the fluid entering said openings.

2,355,816
CLOSURE
Hans Georg Mörner, New York, N. Y.
Application June 18, 1942, Serial No. 447,525
In Sweden September 13, 1939
2 Claims. (Cl. 24—206)



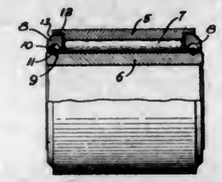
2. A fluid-tight closure including in combination a pair of flexible strips of rubber or the like forming male and female members of said closure, the female strip member having a groove, a projecting node on the male strip member shaped to be seated in said groove and to resiliently interlock therewith, and slide means having rollers for engaging the outer edges of both strips and forcing them into interlocking engagement, said rollers being shaped to impart a cam forcing action to the strips to close same together, the outer edges of said strips having grooves therein for receiving and guiding said rollers.

2,355,817
EXPLOSIVE COMPOSITIONS
Donald G. Morrow, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 3, 1940, Serial No. 368,317
10 Claims. (Cl. 52—5)

8. An explosive composition comprising liquid nitrogen tetroxide and a nitroparaffin having less than five carbon atoms and less than three nitro groups, said composition having an oxygen balance between about −25 and about +25%.

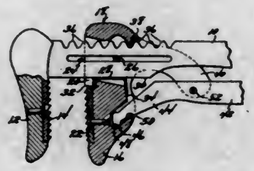
2,355,818
BEARING
Howell L. Potter, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application September 11, 1940, Serial No. 356,258
2 Claims. (Cl. 308—213)

1. A roller-type bearing including inner and outer bearing rings with interposed bearing rollers, an end cap extending across the space between said inner and outer rings, one of said rings and said end cap each having a groove, said grooves facing each other, and a snap ring fitting within both said grooves and serving to hold said end cap removably on said ring having said groove, said snap ring at the side fitting



in one of said grooves being of cam shaped form and said last mentioned groove having a cam shaped surface to engage the cam shaped side of said snap ring to cam the snap ring into the other of said grooves upon the exertion of opposite endwise pressure on said rings having said grooves and permit endwise separation of said end cap from its ring.

2,355,819
WRENCH
Horace P. Reasoner, Cheyenne, Wyo.
Application June 7, 1943, Serial No. 489,966
4 Claims. (Cl. 81—91)

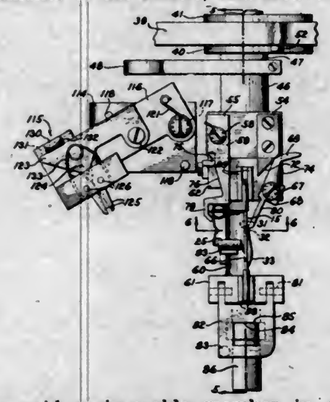


1. A pipe wrench comprising a shank having teeth and a jaw attached to one end thereof, said shank being provided with a longitudinal slot, a block having an opening slidably receiving said shank and having a second jaw, said block having a tooth selectively engageable with said teeth to hold the second jaw in different gripping positions with respect to said first jaw, said block having a pivot slidable in said slot, a spring interposed between said block and said shank opposite the teeth thereof, and a handle having a pivotal connection with said block and pivotally engaging said second jaw.

2,355,820
ARTICLE HANDLING APPARATUS
Herman C. Reimer, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 27, 1943, Serial No. 473,714
7 Claims. (Cl. 113—59)

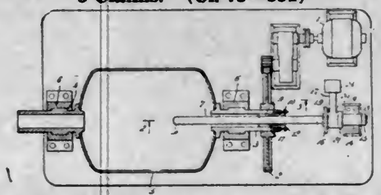
1. In an apparatus for handling articles having oppositely arranged resilient elements to be tensioned and while so tensioned to be interconnected by a link element, a support, a rotary member journalled thereon, a reciprocable member slidable upon and rotatable with said member for holding an article, cooperating stationary and movable sets of oppositely arranged members carried on said support and said reciprocable member effective upon a movement of said

reciprocable member in one direction to tension the elements of the article, and means for re-



taining said reciprocable member in position upon predetermined movement thereof in said one direction.

2,355,821
THERMOMETER WELL FOR BALL-MILL TYPE REACTORS
Edward F. T. Rice, Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application October 6, 1942, Serial No. 461,016
5 Claims. (Cl. 73—351)



4. A reactor comprising in combination a rotatable drum, means for rotating said drum, said drum having an axially aligned opening therein, a tubular element rotatably journaled in said axial opening and having an arcuate portion extending into said drum so that the end thereof is brought in proximity to the drum shell, the straight portion of said tubular element extending outside said drum, a bumper arm fixed to said tubular element by a shear pin, and resilient stops limiting movement of said arm.

2,355,822
FILTER MEDIUM
Edward W. Rugeley, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application November 2, 1938, Serial No. 238,337
5 Claims. (Cl. 210—204)

1. A filter medium comprising filaments of a vinyl resin resulting from the conjoint polymerization of a vinyl halide with a vinyl ester of an aliphatic acid, which contains from about 80% to about 95% by weight of the halide in the polymer and which has an average macromolecular weight of at least 15,000, said filaments having been partially fused to add stiffness to the filter medium and to stabilize the porosity of the latter.

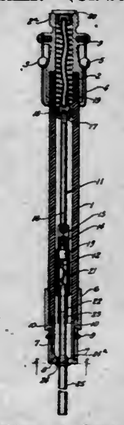
2,355,823
POLYGLYCOL ETHERS OF HIGHER SECONDARY, MONOHYDRIC ALCOHOLS
Fritz Schlegel, Duesseldorf, Germany, assignor, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application December 5, 1940, Serial No. 368,628. In Germany December 21, 1939
6 Claims. (Cl. 260—615)

1. As a new product, compounds having the formula

$$CH_3(CH_2)_n.CH(O[CH_2.CH_2.O]_x-CH_2-CH_2-OH)-(CH_2)_m.CH_3$$

whereby n and m represent respectively a whole number from 4 to 16, and x a whole number from 5 to 19.

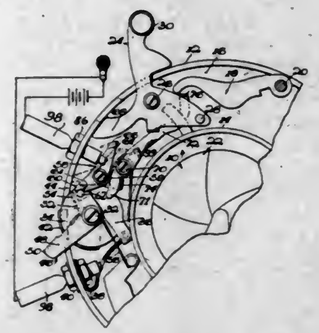
2,355,824
FUSE TERMINAL
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application May 3, 1943, Serial No. 485,421
8 Claims. (Cl. 200—117)



2. In combination, a fuse cartridge having a bore extending lengthwise therethrough, a terminal attached to and carried by one end of said cartridge, said terminal including spring latch means comprising a plurality of latch members disposed around a common axis coincident with that of said bore, each of said latch members having a lug projecting radially toward said common axis and jointly defining an opening coaxial with said bore, spring means for yieldably retaining said latch members each in a retracted position wherein they delimit said opening to a predetermined minimum width, said latch members being movable radially of said opening for distending said opening, each of said lugs having an inclined cam surface, and a fuse-link mounted in said cartridge and extending through said bore and said opening, said fuse-link being anchored at the two ends of said cartridge, one terminal of said fuse-link including a contact member which is small enough to pass through said bore but too large to pass through said opening when the latter is constricted to said predetermined minimum width by said spring means, said contact member being operative upon moving outwardly from said bore to engage said inclined

cam surfaces and thereby force said latch members to move radially outwardly from said axis to distend said opening, whereby said contact member is enabled to move through said opening in one direction, said latch members being retractable by said spring means to constrict said opening and thereby to latch said contact member against movement through said opening in the opposite direction.

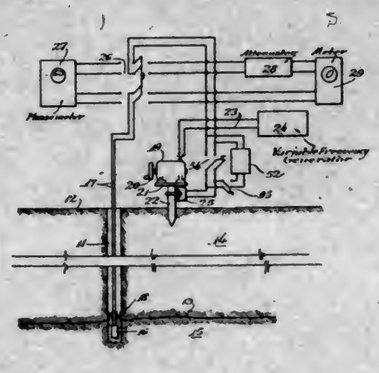
2,355,825
PHOTOFLASH SYNCHRONIZING MECHANISM
Alfred Schwarz, Rochester, N. Y., assignor to Ilex Optical Company, Rochester, N. Y., a corporation of New York
Application April 6, 1942, Serial No. 437,889
26 Claims. (Cl. 67—29)



7. The combination with a shutter mechanism of the set type including a casing, a shutter locking lever movable to control shutter opening and closing movements, and a trigger member for tripping said shutter locking lever to effect said shutter movements, of a stationary contact member mounted on the casing, a movable contact member mounted for rotary movement about an axis from a position out of engagement with the stationary contact member to a position of engagement therewith, a latching lever for holding said movable contact member out of engagement with said stationary contact member, said latching lever having a portion thereof positioned in the path of movement of the trigger member and adapted upon being engaged by the latter to release said movable contact member.

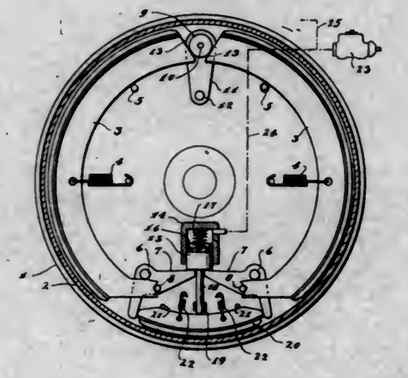
2,355,826
SEISMIC PROSPECTING
Joseph A. Sharpe, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application November 12, 1941, Serial No. 418,705
5 Claims. (Cl. 177—352)

3. Apparatus for the determination of a transmission characteristic of the weathered zone below a seismic recording station comprising a source of seismic waves positioned at one boundary of said weathered zone, a seismometer positioned at the other boundary of said weathered zone and approximately vertically located with respect to said source of seismic waves, means for determining a characteristic of said seismic waves



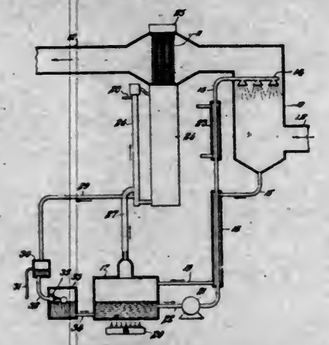
at said source, and means for comparing said characteristic with the corresponding characteristic of the output from said seismometer.

2,355,827
BRAKE
William Stelzer, Detroit, Mich.
Application January 16, 1943, Serial No. 472,539
3 Claims. (Cl. 188—78)



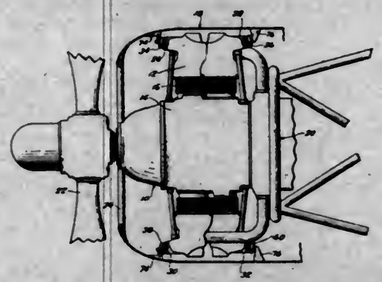
1. A brake comprising a brake drum, a control friction member near said brake drum, an actuator to press said control friction member against said brake drum in a radial direction, brake shoes near said brake drum, said control friction member being free to revolve with said drum a short distance to urge said brake shoes into frictional engagement with said brake drum, means responsive to the brake torque to oppose said actuator in proportion to the brake torque, means intermediate said brake shoes to transmit the brake torque from one shoe to the other and to reduce the self-energizing effect, means to increase the radial pressure between brake shoe and drum at the energizing end which is where said control shoe engages a brake shoe, and means to decrease the radial pressure between shoe and drum where the brake torque is highest.

2,355,828
COMBINED COOLING AND DEHUMIDIFYING SYSTEM
Robert S. Taylor, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application February 25, 1943, Serial No. 477,024
6 Claims. (Cl. 62—129)



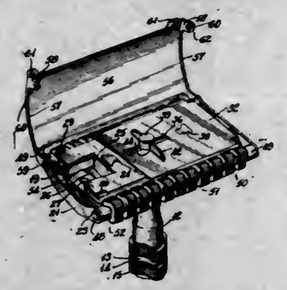
1. In an air conditioning system comprising a duct through which air is circulated, means for dehumidifying air flowing in the duct including a circuit containing a liquid absorbent for absorbing water vapor, means to circulate the absorbent in said circuit, said circuit including one part associated with said duct in which the absorbent absorbs water vapor from the air and a boiler in which water vapor is expelled from the absorbent in the form of steam, refrigeration apparatus including a cooling element arranged to effect cooling of air in the duct, and a heat receiving part, said heat receiving part being connected to receive steam from said boiler.

2,355,829
COWL SUPPORT
John M. Tyler, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 18, 1941, Serial No. 374,974
10 Claims. (Cl. 244—53)



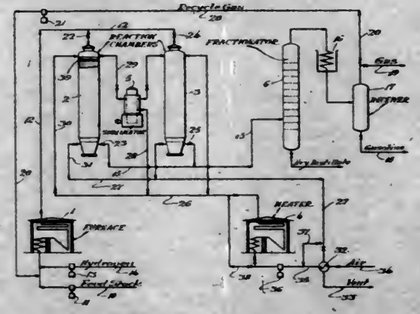
1. In aircraft having an engine including a plurality of radially disposed cylinders, the combination with a cowl surrounding said cylinders and subjected to radial and axial forces with respect to its longitudinal axis, of a cowl support structure including supporting elements having provision for attachment to certain of the engine cylinders and having supporting surfaces transverse to the longitudinal axis of said cowl, supporting elements carried by said cowl at locations corresponding to the cylinder supported elements and having supporting surfaces also transvere to said axis, and blocks of rubber having opposite faces thereof attached to adjacent supporting surfaces of corresponding cowl and engine supporting elements for absorbing torsional and radial forces largely in shear and fore and aft forces largely in compression of the material of said blocks.

2,355,830
RECIPROCATING SAFETY RAZOR
Victor T. Van Slyke, Philadelphia, Pa., assignor to Reciprocating Razors Corporation, Philadelphia, Pa.
Application December 31, 1940, Serial No. 372,586
14 Claims. (Cl. 30—46)



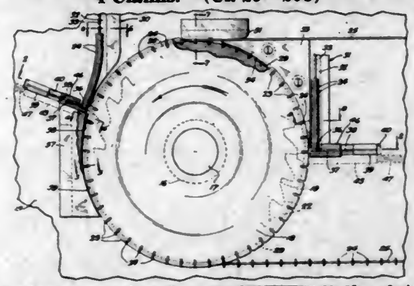
1. A razor comprising a blade support having end walls and side walls provided with guide slots, rockable levers having their ends disposed through the slots, a blade carrier disposed on the support and pivotally secured to the levers, means for rocking the levers to reciprocate the blade carrier, and a cover pivoted to the support to swing over a blade disposed on said support.

2,355,831
ACTIVATION OF CATALYSTS
Vanderveer Voorhees, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application October 23, 1941, Serial No. 416,246
10 Claims. (Cl. 196—52)



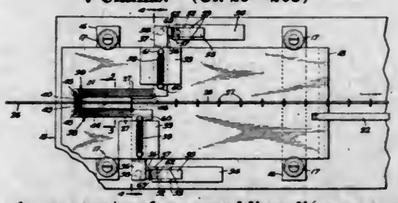
1. In the process of converting hydrocarbons by contacting at a high conversion temperature with a solid conversion catalyst containing as an essential ingredient a sublimable metal oxide which is unavoidably lost from the catalyst by sublimation, the improvement comprising periodically restoring the sublimable metal oxide to the catalyst by passing through said catalyst, gas, at a high temperature, containing vapors of said metal oxide.

2,355,832
ASSEMBLING APPARATUS
Julius A. Wagner, Cleveland, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 15, 1943, Serial No. 490,832
4 Claims. (Cl. 29—203)



1. An apparatus for applying radially slotted discs to a conductor comprising a single applicator wheel having spaced notches, means for guiding a conductor around a substantial portion of the periphery of said wheel, means for supplying discs to notches in said wheel at a point where it is not engaged by the conductor, means for supplying discs to other notches in said wheel at a point where it is engaged by the conductor, and means arranged at points following said before-mentioned points for pressing, respectively, the conductor into the slotted discs and the slotted discs onto the conductor.

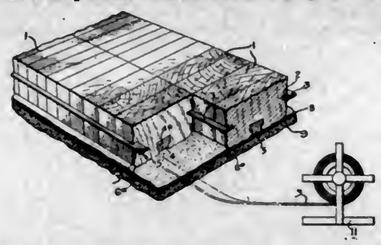
2,355,833
ASSEMBLING APPARATUS
Edward Bertalan, Glen Arm, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 18, 1943, Serial No. 491,286
7 Claims. (Cl. 29—203)



1. An apparatus for assembling discs on a core comprising means for advancing a core, a base member, reciprocating means movable thereon parallel to the core, means movable on and with respect to said reciprocating means for receiving and then assembling discs on the core at spaced intervals, a cam follower on said movable disc receiving and assembling means, and cam means on said base member for positively engaging said cam follower as the cam follower is moved past said cam means by said reciprocating means, said engagement actuating said disc receiving and assembling means in one direction to assemble the discs on the core.

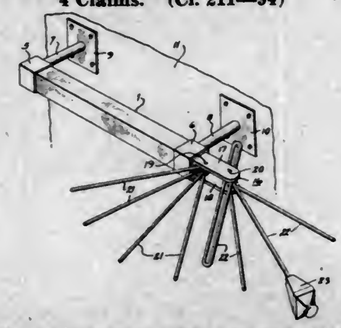
2,355,834
WOOD FLOORING
Walter G. Webb, Detroit, Mich., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application July 8, 1940, Serial No. 344,352
8 Claims. (Cl. 20—8)

1. Wooden flooring comprising a row of end grain blocks each having an opening therethrough and an elongated wooden key member with its grain extending longitudinally and also vertically to give edge grain for small lateral expansion slidably fitting through the openings of said row to position its blocks but to permit them



to shift longitudinally thereon upon expansion, said openings and key being formed so that they fit closely but slidably from side to side but loosely from top to bottom to provide space for vertical expansion of said key.

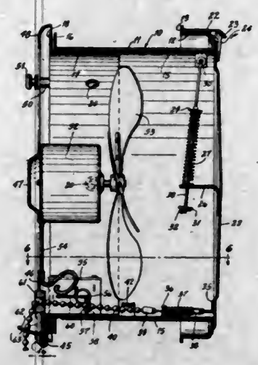
2,355,835
ARTICLE SUPPORT
John T. Whalen, New York, N. Y.
Original application September 29, 1938, Serial No. 232,321. Divided and this application May 25, 1942, Serial No. 444,300
4 Claims. (Cl. 211—94)



1. The combination with a household fixture, a rack for supporting articles, consisting of a horizontally disposed sheath formed in said fixture and supported adjacent each end, a carrier horizontally slidable and enclosable in said sheath, said carrier being provided at one end with longitudinally extending top and bottom plates a vertically disposed pivot bearing mounted therebetween and a plurality of supporting arms pivotally mounted in superposed relation on said bearing, said carrier being variably positionable with respect to the sheath so as to position the pivot bearing externally to the sheath with the supporting arms disposable in horizontal fanned out position or with the supporting arms side by side longitudinally within the sheath.

2,355,836
EXHAUST FAN
Walter E. Willey, St. Louis, Mo., assignor to The Emerson Electric Mfg. Company, St. Louis, Mo., a corporation of Missouri
Application August 29, 1941, Serial No. 408,697
2 Claims. (Cl. 98—116)

1. In a fan mechanism, a conduit adapted to pass from an inner surface to the outer surface of a wall, and a door hinged to said conduit at the upper edge of the outer portion thereof, spring means to urge the door into open position, a chain, means yieldingly connecting one end of the chain to the bottom of the door whereby upon drawing the chain toward the inner end of the conduit the door may be closed against its spring, a bracket on the inner end of the conduit having means to engage the chain to limit displacement thereof, a fan within a conduit, a switch for the fan, a switch arm for the switch movable in the direction of displacement

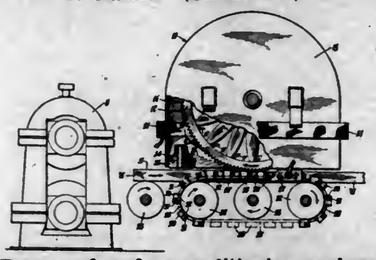


of the chain for opening and closing the door, said switch arm being movable between its operating position through a distance a fraction of the distance the lower part of the door moves between its open and closed positions, a member on the chain engageable with the switch arm to hold the same in one position when the door is closed, said member being adapted to release the switch arm during the first part of the movement of the door so that the switch can close and the fan may start as soon as the door is substantially open.

2,355,837
SUBSTITUTED GLYOXALIDINES
Alexander L. Wilson, Sharpsburg, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application March 17, 1942, Serial No. 435,049
6 Claims. (Cl. 260—309.6)

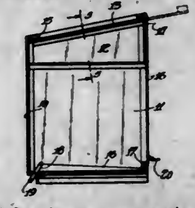
1. Process for making 1,2-substituted glyoxalidines which comprises heating a mixture containing a polyalkylene polyamine having at least three amino groups, at least one of which is a secondary amino group in the 1,2 position relative to a primary amino group, and at least one of the group consisting of free fatty acids containing from 10 to 20 carbon atoms, amides of said acids, and esters of said acids, at least one mol of said polyamine being present for each fatty acid radical of one of said group; carrying out the reaction at temperatures between 140° C. and 200° C., under basic amine conditions in the absence of mineral acid salt groups attached to the polyamine, and in the presence of an inert water-immiscible organic liquid and distilling an azeotropic mixture of the water formed in the reaction and said liquid from said mixture during said heating; the temperature and duration of said heating being so correlated as to cause the splitting out of water in excess of 1.5 mols for each mol of free fatty acid and in excess of 0.5 mol for each mol of combined fatty acid involved.

2,355,838
ELECTROMECHANICAL METHOD OF AND MEANS FOR CONDITIONING SURFACES OF METAL BODIES
Lloyd W. Young, Scotch Plains, and Eibe W. Deck, Plainfield, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application August 3, 1940, Serial No. 350,590
16 Claims. (Cl. 219—15)



5. Process of surface conditioning, such as deseaming ferrous and non-ferrous metal bodies, such as ingots, billets, blooms and the like, which comprises subjecting to the heat-softening effect of an electric arcing zone successive shallow transverse surface portions extending entirely across at least one seam, and then mechanically removing each of said transverse surface portions imediately after it has been subjected to the heat-softening effect of said electric arcing zone.

2,355,839
SHOWCASE
Arthur A. Albert, Chicago, Ill.
Application May 30, 1942, Serial No. 445,239
3 Claims. (Cl. 312—193)

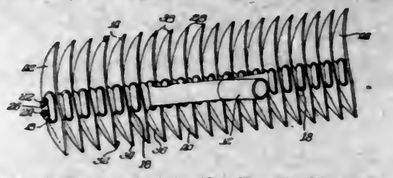


1. A cabinet having a compartment at its top; a shiftable cover for said compartment; a depressible spring held latch bolt for said cover located on the rear wall of said cabinet; a releasing element attached to said bolt and extending thence downwardly to the bottom of said cabinet and thence forwardly to the front edge thereof; and foot operable means at the bottoms of the front and rear walls of said cabinet and arranged to operate said releasing element to withdraw said bolt.

2,355,840
GARDEN RAKE
Paul Ales, Chicago, and Edgar C. Robertson, Steger, Ill.
Application March 18, 1942, Serial No. 435,172
4 Claims. (Cl. 56—400.21)

1. A rake of the type that has a plurality of flat, crescent shaped tines mounted by means of apertures centrally of their length and by means of similarly apertured spacer members, in spaced, non-rotative relationship on a single crossbar mounted on a handle, and wherein such crescent shaped tines have their convex edges away from the handle so that these convex edges may engage the surface to be raked and may support

the tine tips just above said surface, said crossbar having an elongated cross sectional configuration, the longer dimension of which being



substantially parallel to the longitudinal dimension of the tines, and said tines and spacers being provided with corresponding apertures to fittingly receive said crossbar.

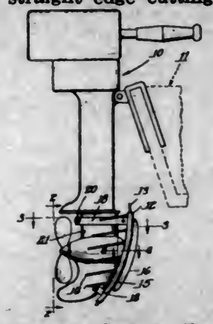
2,355,841
OPHTHALMOSCOPE
William N. Allyn, Skaneateles, N. Y.
Application February 14, 1942, Serial No. 430,973
17 Claims. (Cl. 88—22)



1. In an ophthalmoscope, a substantially circular supporting plate having a sight opening therethrough near its edge, an illuminating system mounted on the rear of said supporting plate and serving to direct a beam of light substantially in alignment with said sight opening aforesaid, a substantially circular cover plate axially spaced forwardly relative to said supporting plate and coaxially secured to the latter in such spaced relation, said cover plate also having a sight opening therethrough in alignment with the sight opening in the supporting plate, a lens disc coaxially mounted for rotation between said plates and provided with a plurality of lenses for selective registration with the aligned sight openings in said plates, and closure means coacting with the sight openings aforesaid and disposed in dust-proof contact with said plates, said closure means comprising a rotatable apertured casing disposed between the spaced supporting and cover plates and encompassing the lens disc, said casing being shiftable to and from a position closing said sight openings to exclude dust and other foreign matter from entrance through the sight openings when closing the same, and otherwise to aline the apertures of the casing with the sight openings.

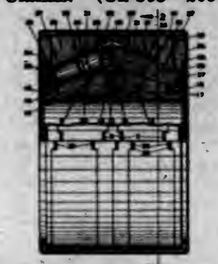
2,355,842
COMBINED CUTTER, DISTRIBUTOR, AND PROTECTOR FOR OUTBOARD MOTORS
John G. Arado, Chicago, Ill.
Application June 28, 1943, Serial No. 492,560
7 Claims. (Cl. 115—40)

1. A combined weed cutter, deflector and distributor for out-board motors comprising in combination a V-shaped body member and deflector gradually increasing in cross-section from its ends to its center, a plurality of V-shaped spaced tines secured to the rear face of said V-shaped deflector, a straight edge cutting blade rigidly



fixed to the forward face at the apex of said deflector, and means for readily and quickly securing said device to an out-board motor forward of and adjacent to its propeller, substantially as and for the purpose set forth.

2,355,843
ROLLER BEARING
Frank Ellison Best, Indianapolis, Ind.
Application January 21, 1942, Serial No. 427,631
3 Claims. (Cl. 308—205)

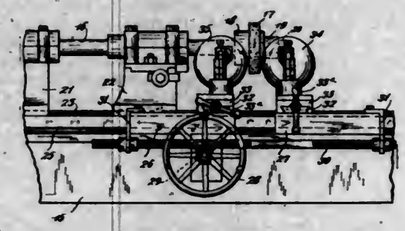


1. A geared roller bearing in which the rollers are geared to the bearing housing and race means, comprising an inner cylindrical member, a number of race members and a number of gear members on said inner cylindrical member, interfitting tongue and groove means in the abutting end portions of said race members and said gear members, means holding all of said race members and gear members in end to end abutting relation on said tubular member; an outer cylindrical member, a number of race members and a number of gear members within said outer cylindrical member, interfitting tongue and groove means in the abutting end portions of said last named race members and gear members, and means holding all of said last named race members and gear members in end to end abutting relation in said outer cylindrical member.

2,355,844
APPARATUS FOR DRESSING GRINDSTONES
Howard C. Barbour, Elyria, and Franklin S. Miller, Amherst, Ohio, assignors to The Cleveland Quarries Company, Cleveland, Ohio, a corporation of Ohio
Application June 9, 1943, Serial No. 490,158
3 Claims. (Cl. 125—11)

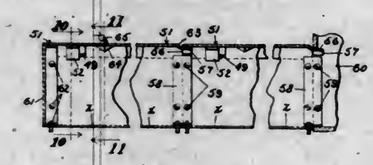
3. In a machine for dressing grindstones, a frame having a rotatable spindle on which a

grindstone is adapted to be mounted, and means for dressing the periphery of the grindstone comprising a pair of cutting disks slidingly supported on the frame, each cutting disk being pitched downwardly and outwardly with respect to the



horizontal radius of the grindstone and having a self-sharpening beveled cutting edge, and means for manipulating the disks in the dressing operation so that a portion of the periphery of the grindstone will be dressed by one disk and the remaining portion by the other disk.

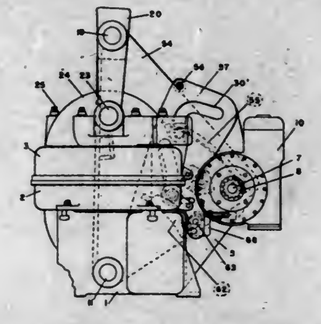
2,355,845
SECTIONAL CHANNEL CLOSURE MEANS
Joseph N. Blank, Newport, Ky., assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky., a corporation of Kentucky
Application February 17, 1941, Serial No. 379,165
4 Claims. (Cl. 220—3.94)



4. In combination, a channel-shaped raceway, a series of cover members each having a projecting offset end flange, said covers adapted to be arranged in end-to-end overlapped and abutting relation for closing said raceway, securing means inside the raceway and on the inside of the respective cover members for slidably and detachably securing the covers successively to the raceway, and means to seal an endmost cover in said series to preclude release of the securing means on preceding covers.

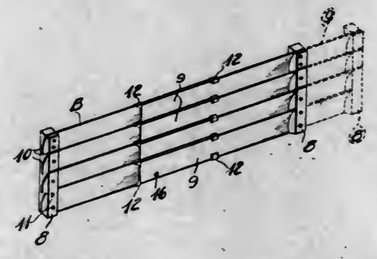
2,355,846
VULCANIZER
James W. Brundage, Akron, Ohio, assignor, by mesne assignments, to The McNeil Machine and Engineering Company, Akron, Ohio, a corporation of Ohio
Application December 14, 1938, Serial No. 245,726
5 Claims. (Cl. 18—17)

2. In a mold press having a stationary base structure, the combination of an upper and a lower mold section complementary to each other, a shaft rotatably mounted in the base of the press a pair of side arms supporting said upper mold section and attached to said shaft, a separable stripping ring included in said lower mold section, a vertical rod slidably mounted in the base centrally of said ring, said stripping ring secured to said rod, an arm keyed to said shaft, a rocker arm so positioned that one end contacts the lower



end of said vertical rod, and a link connecting the other end of said rocker arm to the end of said arm keyed to said shaft.

2,355,847
ADJUSTABLE VENTILATOR
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y., a corporation of New York
Application August 28, 1941, Serial No. 408,607
2 Claims. (Cl. 98—99.8)

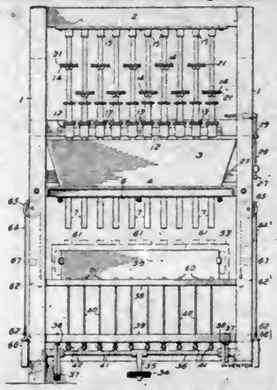


1. The method of forming adjustable ventilator slats which consists in punching the end section of readily bendable metal strips of predetermined length to provide horizontally extending legs on the one end of each slat and then bending the legs on a line disposed at an angle with relation to the horizontal axis of the slat so that the legs project beyond the upper and lower edges of the slat, and then bending said legs over so that they lie in spaced parallel relation with the main slat body to engage and form a guide for a similarly formed companion slat.

2,355,848
MACHINE FOR FILLING CONTAINERS
Charles H. Clark, Emporium, Pa., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
Application August 20, 1942, Serial No. 455,125
4 Claims. (Cl. 86—3)

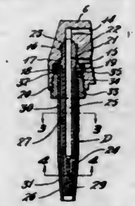
1. A cartridge-filling mechanism comprising a feed tube, a cartridge holder adapted to contain a cartridge, means for elevating the cartridge holder so that when a cartridge is held therein, the top of the latter will fit over the end portion of the feed tube, means adapted to elevate a

cartridge from the holder onto the feed tube and means to feed material through the tube into



the cartridge, whereby during the feeding the cartridge is moved off of the tube and back into the cartridge holder.

2,355,849
TORCH TIP
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Original application June 16, 1939, Serial No. 279,499. Divided and this application March 28, 1941, Serial No. 385,714
1 Claim. (Cl. 158—27.4)

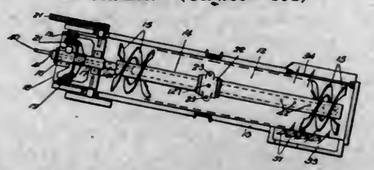


In combination, a cutting torch head having an oxygen passage therein and provided with a threaded bore communicating with said passage and which bore has a conical inner end, said head having a counterbore communicating with said bore and a second counterbore communicating with said first counterbore, an annular outwardly projecting rib at the inner end of said second counterbore, said head being provided with a passage for a combustible mixture of inflammable gas and oxygen communicating with said first counterbore, said head being provided with a third counterbore internally threaded and communicating with said second counterbore, an inner tip member having external threads screwed into said bore and provided with a conical inner end seating on the conical end of said bore, said member being of less diameter than said first and second counterbores and having a longitudinal passage therethrough communicating at its inner end with said oxygen passage and which passage in said member includes an elongated portion of relatively large diameter extending from the inlet end of said passage toward the outlet end and a substantially shorter portion of relatively small diameter adjacent the outlet end of said passage, said member having an external portion extending from the second counterbore toward the outer end thereof and of polygonal concave configuration having a plurality of longitudinally extending sharp corner edges with grooves of relatively large area intermediate said edges, said member having at its outer end a tapered portion provided on its exterior surface with a plurality of longitudinally extending relatively narrow grooves of constant depth throughout and in communication with the grooves of the first named external portion of said member, a shell member telescoped upon the first member and having at its inner end an annular radially extending flange engaging said rib in the second named counterbore, an assembly nut on said shell member and screwed into said third named counterbore and maintaining said flange in engagement with said rib, said shell member having cylindrical and tapered portions embracing respectively the first named exterior portion and the tapered portion of said inner tip member, the sharp edges of the first named exterior portion of the inner tip member engaging and biting into the material of the shell member and interlocking said members against relative rotation, the grooves between said edges of the inner tip member and the interior of the shell member constituting passages of relatively large capacity and in communication with said second named counterbore of said head, the grooves in the tapered portion of the inner tip member together with the inner surface of the shell member constituting passages of relatively small capacity, while the clearance between said member and the first and second counterbores and said rib constitutes an annular passage connecting said passages of large capacity with said combustible mixture passage.

2,355,850
METHOD OF MAKING CHLOROBUTYLBENZENE COMPOUNDS
Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 20, 1942, Serial No. 447,874
13 Claims. (Cl. 260—651)

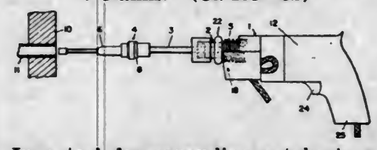
1. In a method wherein 1.2-dichlorobutane is reacted with an aromatic compound of the benzene series in the presence of a Friedel-Crafts catalyst, the steps of carrying out the reaction and subsequently removing the catalyst at a temperature below 30° C., whereby a chlorobutyl radical is introduced as a substituent on the nucleus of the aromatic compound.

2,355,851
CLASSIFIER
John H. V. Finney and Arthur C. Daman, Denver, Colo., assignors to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware
Application November 4, 1941, Serial No. 417,776
12 Claims. (Cl. 209—464)



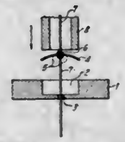
12. In apparatus of the character described, a tank for pulp enclosed on three sides and the bottom to form a lower pool and an inclined passageway, said tank having a sands discharge at an elevation at least as high as the surface of the pool and a weir to determine the depth of the pool, rotary conveying means for moving sands settling in said pool to the sands discharge, said means including an inclined central rotatable member having its lower end free and at least partially below the top of said tank and its opposite end terminating adjacent the sands discharge, and a plurality of conveyor flights on said rotatable member, means outside the pool providing the sole support for said rotary conveying means and comprising a bearing at the sands discharge end of the tank and a second bearing between said first bearing and the free end of said member, said conveyor flights being so mounted that one of them extends along and is supported on the portion of said member extending between said bearings and another flight extends along and is supported on the portion of said member beyond said second bearing to extend into the pool, the ends of said flights adjacent said second bearing being closely spaced so as to substantially uninterruptedly move material toward said sands discharge, supports for said second bearing extending between the adjacent ends of the flights, and means to raise and lower said conveying means.

2,355,852
TUBE EXPANDING TOOL
Frank F. Fisher, Detroit, Mich.
Application June 8, 1943, Serial No. 490,056
7 Claims. (Cl. 153—82)



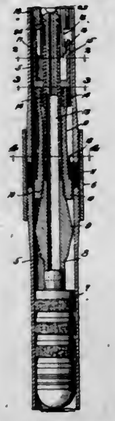
1. In a tool for expanding a tube in a tube hole, the combination with a support, rotatable mechanism movable longitudinally relative to said support for expanding the tube, and means for rotating said mechanism comprising an electric motor, of a current limiting relay in the motor circuit, and means in the motor circuit controlled by said mechanism in the different positions of longitudinal movement thereof relative to said support to disconnect and connect said relay in the motor circuit.

2,355,853
METHOD OF HOLDING DIAMONDS FOR DRILLING
Henry James Foxon, Wembley, England, assignor to General Electric Company, a corporation of New York
Application March 16, 1942, Serial No. 434,977
In Great Britain April 16, 1941
5 Claims. (Cl. 22—202)



1. The method of fixing an unperforated diamond, preparatory to drilling it, in a holder having a cavity therein and an aperture communicating with said cavity, which comprises fitting the diamond in a carrier member which firmly engages the periphery of the diamond and fits securely in the cavity, clamping the diamond between opposed needles one of which extends through the said aperture in the holder, moving the needles longitudinally to carry the diamond into the cavity against the periphery of the said aperture while pressing the said carrier member into engagement with the walls of the cavity to thereby center the diamond and firmly support it in place, withdrawing the said needles, and then flowing molten metal into the cavity around the diamond and the carrier member.

2,355,854
TOOL FOR MOVING AND POSITIONING PACK-OFF ASSEMBLIES
William E. Gean, Olla, and Mayburn Ralph Dougherty, Bossier, La.
Application February 26, 1942, Serial No. 432,538
3 Claims. (Cl. 294—93)

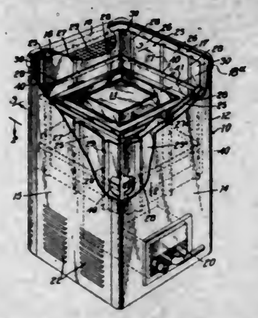


1. A tool for removing a pack-off assembly held within well tubing by spring fingers and having a vertically movable ring engaging said fingers and adapted to move the fingers to their inactive positions, said tool embodying spring fingers adapted to connect with the pack-off assembly to lift the pack-off assembly from the well tubing when the tool is elevated, a striking pin forming a part of the tool and adapted to strike the pack-off assembly, dislodging the pack-off assembly and simultaneously move the ring member over the fingers of the pack-off assembly disengaging the fingers and well tubing.

2,355,855
WALL STRUCTURE
Bernard Goerg, Bronxville, N. Y., assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application April 29, 1941, Serial No. 390,874
2 Claims. (Cl. 220—9)

1. In furnaces and like apparatus wherein the enclosing wall structure thereof expands and contracts when in service due to changes in temperature thereof, a continuous wall forming a part of said enclosing wall structure and being formed of thin and freely flexible sheet metal and being joined along two opposite sides thereof to other parts of said apparatus; said wall being flexed to form an initial bow therein which is of definite but small magnitude at a minimum temperature below which the furnace is not normally subjected; said bowed wall being arranged with its concave surface facing inward and with the general direction of curvature being across said wall between said two opposite sides; liner wall means

disposed across the inner concave surface of said bowed wall and comprising a plurality of wall sections arranged in side-by-side relation, and each wall section being spaced from said bowed wall and having a pair of opposite side edges disposed approximately parallel to said two opposite sides of said bowed wall and to similar side edges of other wall sections, the adjacent side edges of adjacent sections being spaced from one another; said liner wall means also including flange means



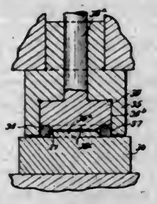
providing a fixed connection between each of said adjacent side edges and said bowed wall, there being at least two such flange means and they being located, respectively, at opposite sides of the highest point of curvature of said bowed wall; and a tie member extending lengthwise across the inner side of said liner wall and between said two opposite sides of said bowed wall and being fixed at its ends to adjacent wall sections at opposite sides of said two flange means.

2,355,856

METHOD AND APPARATUS FOR MAKING BEARING-RETAINING LOCK NUTS

Lee B. Green, Lakewood, Ohio

Application February 4, 1943, Serial No. 474,674
11 Claims. (Cl. 10—86)



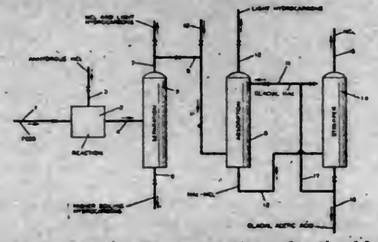
11. In nut-forming apparatus of the character described a die and punch adapted to receive therebetween a nut blank having a tap opening and to subject the blank to pressure by relative axial movement, said die having a substantially flat end face engageable with one end of the blank and a tapered extension projecting beyond said flat face and adapted to enter one end of said tap opening for chamfering the same, said punch comprising a recessed punch body adapted to surround the blank and confine the outer side wall thereof during the application of said pressure, and a knock out member slidable in the punch body and having a head portion engageable with an end face of the blank for applying said axial pressure, said head portion lying within the recess of said punch body and having an axial length which is less than the depth of said recess, said head portion being provided with a tapered extension adapted to enter the other end of said tap opening for chamfering the same.

2,355,857

HYDROGEN HALIDE RECOVERY

Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application March 10, 1942, Serial No. 434,125
4 Claims. (Cl. 23—153)



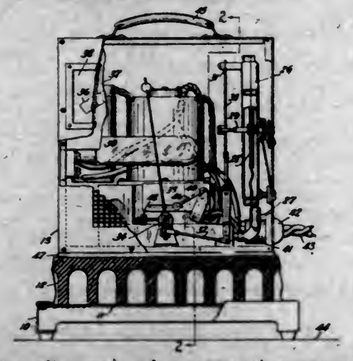
1. A process for the separation of a liquid mixture of an anhydrous hydrogen halide and a hydrocarbon having a boiling point close thereto, which comprises treating the said liquid mixture with liquid glacial acetic acid to effect a selective removal of liquid anhydrous hydrogen halide from said liquid hydrocarbon.

2,355,858

APPARATUS FOR DETERMINING THE RELATIVE POROSITY OF VARIOUS POROUS MATERIALS

Stuart H. Hahn and Robert H. Judson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application October 17, 1941, Serial No. 415,416
11 Claims. (Cl. 73—51)



1. Porosity measuring apparatus comprising, in combination, power driven means for setting up and maintaining a current of fluid through the porous material being tested, indicating means responsive to such flow of fluid, manually operated means for starting and stopping the said power driven means, and means actuated by the last said manually operated means for setting the indicator means to a pre-determined position when the apparatus is stopped.

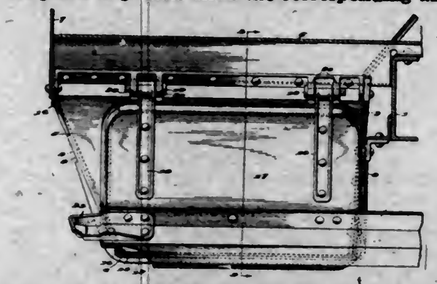
2,355,859

HOPPER FOR RAILWAY CARS

Cyrus Hankins, Washington, D. C., assignor to Unitcast Corporation, Toledo, Ohio, a corporation of Ohio

Application May 26, 1941, Serial No. 395,301
5 Claims. (Cl. 105—247)

1. A hopper for railway cars comprising inner and outer downwardly converging side sheets, said side sheets being identical right triangles formed by cutting a triangular sheet diagonally so that the forward edge of each side sheet is disposed at right angles to the lower edge thereof, said outer side sheet being disposed at a greater angle to the vertical than the inner side sheet whereby the angle between the forward and lower edges of the outer side sheet when projected on a vertical plane is greater than the corresponding angle



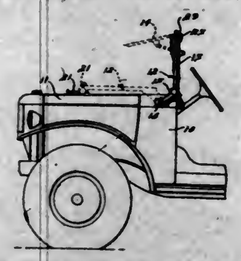
of the inner side sheet when similarly projected, an inclined floor sheet connected to the lower edge portions of the side sheets, and a door frame having a plurality of rearwardly extending portions respectively attached to said side and floor sheets adjacent the forward edges thereof, the portion of the frame secured to the inner side sheet extending rearwardly from the frame a greater distance than the portion thereof secured to the outer side sheet.

2,355,860

MOTOR VEHICLE

Wray C. Hansen, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application December 19, 1942, Serial No. 469,525
4 Claims. (Cl. 15—253)



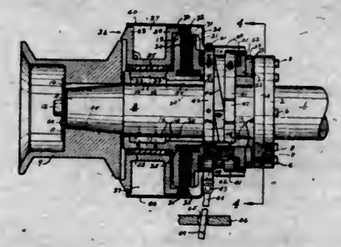
1. In a motor vehicle including an internal combustion engine having vacuum producing means, a cowl having an opening therein, a windshield structure extending generally upwardly from said cowl, means securing said windshield to said cowl for swinging movement relative thereto, said means including a relatively rigid bracket carried by said cowl having an opening registering with said cowl opening and a hollow pin extending into said bracket opening securing the windshield structure to said bracket for swinging movement relative thereto, a reciprocable cleaner element for a surface of said windshield structure, a vacuum operated motor carried by and movable with said windshield structure for reciprocating said element, and conduit means extending through said cowl opening and said pin communicating with said vacuum producing means and said motor and secured to said windshield structure for rotative movement therewith relative to said bracket.

2,355,861

SPINNING LINE CATHEAD

Varney S. Harlin, Wheatland, Okla.

Application February 20, 1942, Serial No. 431,721
1 Claim. (Cl. 254—187)



A clutch mechanism including the combination with a driven shaft, of: a stub shaft removably attached to the driven shaft in axial alignment therewith; a substantially tubular elongated sleeve surrounding the stub shaft and keyed thereto; an outwardly extending rigid annular flange carried by the sleeve intermediate the ends thereof: a rope winding drum surrounding the sleeve at one side of said flange, and adapted for independent rotation upon the sleeve, said drum having a tubular extension projecting longitudinally beyond said flange; bearings interposed between the drum and the sleeve; an annular friction disc surrounding the sleeve adjacent the other side of the flange, but attached to neither; an annular metal plate beside said friction disc and rigidly carried by the extension of the drum; a second friction disc around the sleeve and located beside the annular plate; a follower ring surrounding the sleeve and adapted to slide thereon to impinge the two friction discs and the annular plate into frictionally locked relation to the annular flange on the sleeve; spring means for normally urging the follower away from the adjacent friction disc; a pair of clutch rings around the sleeve but not anchored thereto, said rings having adjacent inter-engaging tapered faces whereby rotation of one ring will cause the other to slide along the sleeve for urging the follower into friction disc impinging position; a nut threaded upon the sleeve adjacent the rings for limiting the longitudinal movement of one ring away from the other; a lock-nut threaded upon the sleeve for preventing inadvertent rotation of the first nut; means for holding one of said clutch rings against rotation; means for lubricating said bearings; and means for lubricating the inter-engaging surfaces of said clutch rings.

2,355,862

SELF-CLOSING VALVE

Lyndus E. Harper, Kansas City, Mo., assignor to Omega Machine Company, Kansas City, Mo., a corporation of Missouri

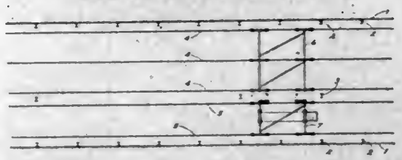
Application April 6, 1942, Serial No. 437,873
12 Claims. (Cl. 277—70)



1. The combination with a member having a concave valve body seat therein and a passage leading to said seat, of a valve body comprising

a body portion having a convex end wall cooperating with said seat, a body portion detachable therefrom, a valve member having a compressible portion mounted between said body portions, and a single means for simultaneously clamping said body portions to each other and said valve body to said seat.

2,355,863
CROSSOVER FOR CRANE BRIDGES
Frank C. Harris, Bay Village, Ohio, assignor to The American MonoRail Company, Cleveland, Ohio, a corporation of Ohio
Application March 8, 1943, Serial No. 478,387
14 Claims. (Cl. 104—98)



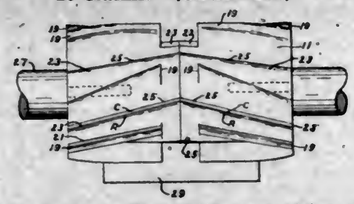
1. A crossover for a crane bridge comprising a main track member, an auxiliary track member hingedly carried by the main track member, means for swinging the auxiliary track member from a retracted to an extended position for engagement with the main track member of another crane.

2,355,864
IGNITION COIL
Herman L. Hartzell, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application September 28, 1939, Serial No. 296,906. Divided and this application February 5, 1942, Serial No. 429,677
1 Claim. (Cl. 174—153)



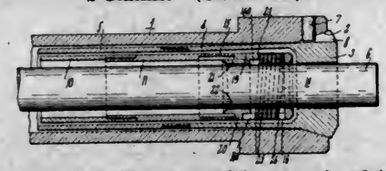
An electric terminal for through mounting in a metallic case member having an aperture therein, the combination comprising, a tubular insulator having a stepped bore and a radial exterior flange near one end to provide a cylindrical shouldered extension adapted to extend through the case aperture, a sealing gasket of heat and oil resistant material carried by the cylindrical portion of the insulator and disposed between the shoulder of the flange and the case member, an insulator ring surrounding the cylindrical extension of the tubular insulator and disposed against the case member, a conductive element extending throughout the length of the tubular insulator and having a radially extending portion anchored in the larger portion of the stepped bore, a gasket of heat and oil resistant material between the insulator and the said radial portion of the conductive element, a dished spring washer surrounding the other end of the conductive element and pressing peripherally against the said insulator ring, and means including an offset portion of the conductive element flexing the spring washer for compressing both said gaskets into sealing relation against oppositely disposed portions of the tubular insulator.

2,355,865
ROTARY CUTTER
Frank Hofbauer, Detroit, Mich.
Application February 7, 1944, Serial No. 521,455
10 Claims. (Cl. 29—103)



1. A composite milling cutter comprising, a body of a substantially cylindrical conformation having an aperture extending therethrough suitably for mounting upon a shaft for support and rotation, a first set of teeth projecting out from said body and presenting outwardly exposed cutting edges of a substantially equal radius around the axis of rotation of the body, a second set of teeth projecting out from said body between said first set of teeth and presenting exposed cutting edges of a substantially equal radius smaller than the radius of the first mentioned set of teeth, and said second set of teeth of the smaller radius extending along said body between the teeth of the first set and projecting out from between the teeth of the first set at one end of the body for operative engagement with material to be worked.

2,355,866
STOCK PUSHER
John M. Ingalls, Windsor, Vt., assignor to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont
Application May 15, 1943, Serial No. 487,111
2 Claims. (Cl. 29—61)

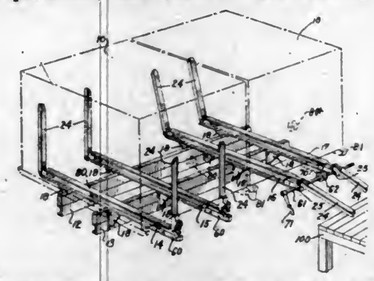


1. A stock pusher comprising a pair of tubes united coaxially, the forward one of said tubes having its forward end partly closed off but provided with an opening through which the stock may extend, said forward tube being longitudinally slotted back from said forward end, the other of said tubes closing off the rear end of said slot, a plurality of stock gripping rings within said forward tube each ring having a projection riding in said slot, an abutment fixed within one of said tubes eccentric thereto and against which the rearward of said rings may engage in canted position gripping the stock extending through said tubes, and a spring reacting between the forward ring and said forward end tending to press said rings backwardly as far as permitted by said abutment in stock-gripping canted position.

2,355,867
DETACHABLE FREIGHT CARRYING DEVICE
Harold R. Jarvis, San Francisco, Calif.
Application August 17, 1942, Serial No. 455,051
9 Claims. (Cl. 214—85)

2. In a detachable unit freight carrying vehicle adapted to carry one or more removable

freight containing body units of the type having a rack on its bottom, the combination of a supporting platform secured to said vehicle, track and lock arms pivotally secured to each edge of said platform; said platform also having near

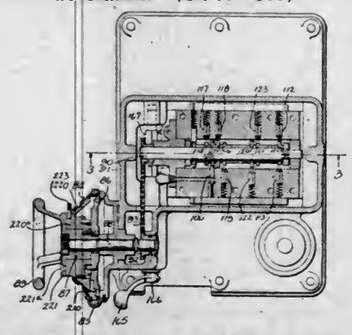


its edges means for mounting a shaft and pinion gear at substantially right angles to said rack and means on the said arms when in lowered position for locking said shaft and gear in operative relation to said rack.

2,355,868
CATALYTIC HYDROCARBON REACTIONS AND CATALYSTS THEREFOR
James W. Jean, Altadena, Calif.
No Drawing. Application February 12, 1940, Serial No. 318,557
6 Claims. (Cl. 260—683.15)

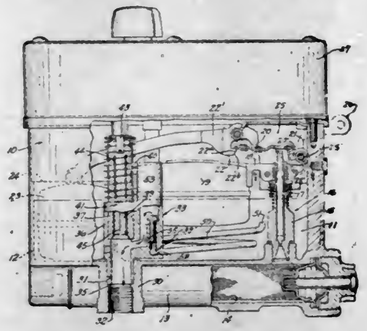
6. A process for the polymerization of normally gaseous olefin hydrocarbons to convert the same into liquid hydrocarbons suitable for motor fuel, which comprises subjecting the said gaseous olefin hydrocarbons to the action of a solid sulfuric acid catalyst comprising concentrated sulfuric acid, boric acid, an inert support therefor, and aluminum oxide, at a temperature between about 200° F. and 350° F. and at superatmospheric pressure.

2,355,869
TRANSMISSION AND CONTROL MECHANISM
George H. Johnson, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin
Application October 19, 1939, Serial No. 300,139
29 Claims. (Cl. 74—338)



1. In a machine tool the combination of a transmission including primary rate change means adjustable to relatively high and low speed positions and an adjustable rate change device driven therethrough, said rate change means and device being collectively adjustable into various adjustment position combinations respectively productive of different transmission output rates, a rate selector device movable to a plurality of positions respectively corresponding to different of said position combinations, shifter means for said rate change means and rate change device including a plurality of fluid operable piston devices, and valve means operable from said selector device to control delivery of fluid to said piston devices, said valve means being operative upon movement of said selector device from one to another of its positions to effect adjustment of said primary rate change means to the slow speed position thereof during adjustment of said rate change device to the position required for effecting the position combination corresponding to the selector device position and subsequently to effect an adjustment of said primary rate change means to the position required for effecting the position combination corresponding to the position of said selector device.

2,355,870
OIL CONTROL DEVICE
Roy W. Johnson, Milwaukee, Wis.
Application April 26, 1941, Serial No. 390,463
11 Claims. (Cl. 137—68)

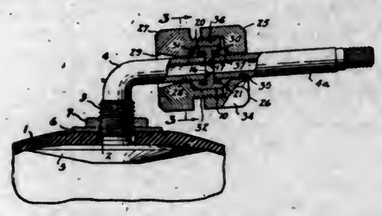


1. An oil control device for use with gravity fed liquid fuel burners and comprising a casing having a liquid supply chamber provided with an outlet passage adapted to be connected to the burner and provided with a valve seat, a metering valve shiftable toward and away from said seat to vary the rate of flow of liquid fuel past said valve seat to said outlet passage, said valve being engageable with said seat to shut off flow from the liquid supply chamber past said valve seat to the outlet passage during the pilot cycle of the burner, and means for regulating the flow of liquid fuel through the outlet passage during the pilot cycle and comprising a capillary tube of suitable dimensions and proportions and having its inlet end submerged in the liquid in said liquid supply chamber and its outlet end in communication with said outlet passage on the outlet side of said valve seat.

2,355,871
TUBE CONNECTOR
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 26, 1942, Serial No. 456,151
2 Claims. (Cl. 285—193)

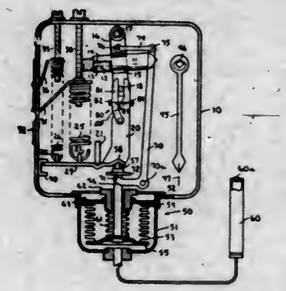
1. A repair coupling comprising a one piece malleable metal sleeve having end portions adapted to closely fit upon the ends of the tubes to

be joined and a central apertured partition providing an abutment for the tube ends, said sleeve having an internal circumferential gasket receiving groove at each side of said partition, the ends of said sleeve being tapered conically to fa-



cilitate the swaging of the sleeve ends upon the tubes by pressure applied axially to the tapered ends, and annular gaskets mounted in said grooves with their internal faces substantially flush with internal tube receiving faces at the ends of said sleeve.

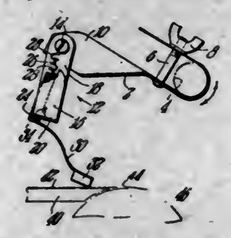
2,355,872
CONTROL DEVICE
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 17, 1942, Serial No. 447,346
17 Claims. (Cl. 200—83)



1. In a control device comprising a switch movable between first and second positions by an actuator, the combination of pressure responsive means for moving said actuator, spring means for adjusting the pressure value at which switch actuation will occur, means for varying the pressure acting on said pressure responsive means in response to a controlling condition, a member moved by said pressure responsive means when said pressure is below a desired value, connecting means between said member and said switch, and strain release means upon said actuator, said member when moved causing actuation of said switch and said strain release means thereby preventing stress from being placed upon said actuator.

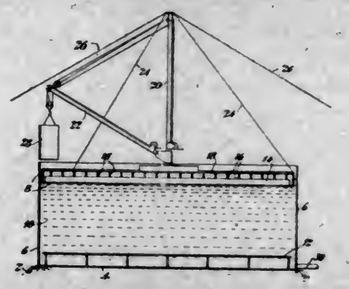
2,355,873
SHEET POSITIONING DEVICE
Harvey La Faille, Springfield, Mass.
Application September 17, 1943, Serial No. 502,781
4 Claims. (Cl. 271—53)

1. A positioning device for acting on sheets of paper on a printing press or the like comprising in combination, a bracket having a free end, a lever adjustably mounted on said bracket, a primary spring having one end fixed to said lever providing a free end, a secondary flat spring fixed to the free end of said primary spring pro-



viding a free end, and a friction pad of yieldable material fixed to the free end of said secondary spring.

2,355,874
ART OF CONSTRUCTING METAL LIQUID STORAGE TANKS
Wilbur G. Laird, Pleasantville, N. Y.
Application June 13, 1940, Serial No. 340,281
7 Claims. (Cl. 29—148.2)

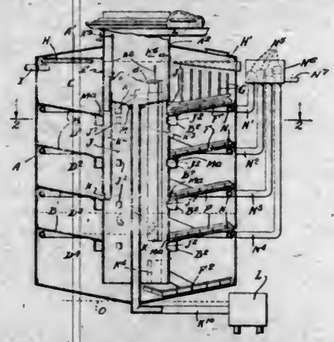


7. The method of building a sheet metal tank and providing a floating roof therefor, which comprises constructing a floating roof for the tank within the area to be surrounded by the tank shell, said roof being of only slightly smaller diameter than that of the tank and being adapted to float on a liquid, constructing a lower ring-portion of the tank shell by assembling a plurality of sheet metal plates and securing them together and to a previously constructed bottom for the tank, introducing a liquid into the constructed lower ring-portion of the tank shell in sufficient quantity to float and elevate said floating roof to a level suitable to work from in the construction of a further portion of said tank shell, constructing said further portion of the tank shell by using said roof as a working platform, and repeating the steps of introducing liquid to elevate the roof and using the floating roof as a working platform until a tank shell of desired heighth has been constructed.

2,355,875
METHOD OF AND APPARATUS FOR CLARIFYING LIQUIDS
Franklin P. Lasseter, Westport, Conn., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application April 3, 1942, Serial No. 437,468
7 Claims. (Cl. 210—55)

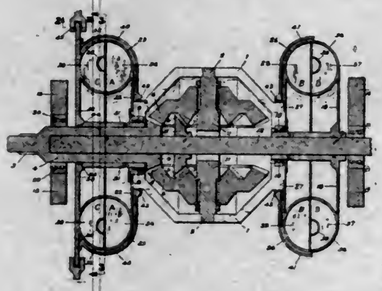
1. In the process of clarifying liquid by the sedimentation and decantation process in superposed clarifying compartments, the method which consists in feeding the liquid into the different

compartments by gravitational flow from a common source, overflowing clarified liquid from the upper portion of each compartment and discharging from the lower portion of each compartment a stream of mud individual to that



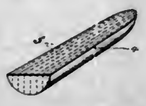
compartment and including the solids separated from the liquid in said compartment against an opposing back pressure large enough for the completion of said process of clarifying the liquid fed into each compartment within that compartment.

2,355,876
FLUID BRAKE OPERATING TRANSMISSION
Francisco F. Lázaga, La Víbora, Habana, Cuba
Application January 25, 1943, Serial No. 473,439
1 Claim. (Cl. 74—189.5)



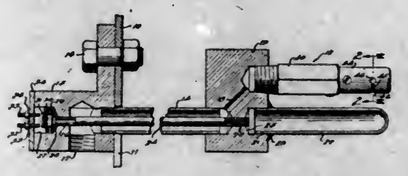
In a differential transmission the combination of a drive shaft; a transmission shaft coaxial with the drive shaft; supporting means applied at two points within the length of the transmission shaft; a transmission case independently rotatable upon the shafts; bevel gears rotatable in the transmission case on axes arranged radially to the axis of the shafts; bevel gears of lesser diameter attached on the inner side of the first bevel gears for rotation therewith; a bevel pinion carried by the drive shaft in meshing relation with the large bevel gears for drive of the same; a bevel pinion carried by the transmission shaft in meshing relation with the small bevel gears, all meshings being at same side of their axes of rotation; a double action torus fluid member independently rotatable upon the drive shaft; means to brake this double action torus fluid member in one turning direction and release it in the opposite turning direction; a torus fluid driving member attached on the outside of the transmission case facing the double action torus fluid member for fluidly holding the transmission case against rotation for effecting an intermediate speed drive; a second torus fluid driving member attached on the other end of the transmission case; a torus fluid driven member attached on the transmission shaft facing the second mentioned torus fluid driving member for effecting a coupling action for the direct-drive of the drive shaft and the transmission shaft; a cover attached on the double action torus fluid member for maintaining the fluid inside the two first mentioned members; and a second cover attached on the driven member for maintaining the fluid inside the two last mentioned fluid members.

2,355,877
PROCESSING CRYSTALLINE STRUCTURES
James Oliver Le Van, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application August 18, 1942, Serial No. 455,263
1 Claim. (Cl. 125—30)



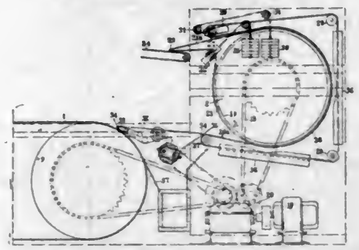
A method of making watch jewels from boules comprising splitting a boule lengthwise substantially along the crystallographic axis, cutting the half boule so that the plane of cut is normal to the plane of split to form a slab, cutting said slabs in a plane normal to the plane of the first cut to form sticks, rounding the edges of said sticks to form cylinders, and cutting said cylinders normal to the longitudinal axis to form roundels.

2,355,878
SAFETY PILOT
Allen P. Livar, Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application July 20, 1942, Serial No. 451,611
1 Claim. (Cl. 158—117.1)



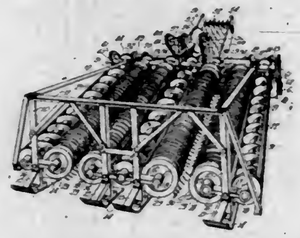
A safety pilot assembly for a fuel burning appliance comprising a holder formed with an aperture, a pilot burner mounted in said aperture and extending outwardly therefrom, a thermostatic element mounted in the holder in spaced relation to the pilot burner and adapted to be heated by flames generated in the burner, a fuel supply tube having one end connected to the holder, said holder being provided with a duct communicating with both said pilot burner and said supply tube, a length of fine tubing positioned within the supply tube and communicating at one end with the interior of the thermostatic element, a block member spaced from said holder and formed with one aperture receiving the other end of the supply tube and with a second aperture for receiving a main supply pipe, and an extensible pressure responsive element positioned in the block and connected with the opposite end of the length of fine tubing.

2,355,879
MEANS FOR TRANSPORTING BISCUITS OR LIKE ARTICLES
Robert French Macfarlane, Osterley, and Claude Dumbleton, Peterborough, England, assignors to Baker Perkins Limited, Peterborough, England
Application July 18, 1942, Serial No. 451,482
In Great Britain July 3, 1941
5 Claims. (Cl. 198—167)



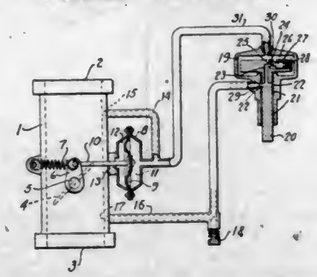
1. Apparatus for transporting biscuits or like articles from one level to another comprising a rotatably mounted drum of relatively large diameter, said drum including a pair of discs, a plurality of spaced wires supported by said discs, said wires being arranged parallel to the axis of the drum, a soft padding covering the wires and supported thereby, means for rotating the drum, an endless band lapping the drum and driven from the drum, an inner endless band located between the padding and said lapping band, said inner band having a biscuit delivery portion for discharging the biscuits which lie between the two bands.

2,355,880
COTTON HARVESTING MACHINE
Hynek A. Macha, Tahoka, Tex.
Application August 9, 1943, Serial No. 497,899
8 Claims. (Cl. 56—40)



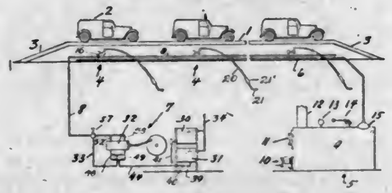
1. A cotton harvesting machine including inclined pairs of opposed, coordinating harvesting units arranged for transportation along rows of cotton, each unit comprising a multiplicity of relatively parallel, equidistantly spaced rings forming a rotatable cylindrical body, an oscillatable shaft mounted within and coextensive with said body and offset with respect to the center thereof, a multiplicity of arcuate fingers mounted in spaced relation on said shaft and adapted, at predetermined intervals to be projected and retracted between the rings of said body, to engage and divest cotton stalks of material, means for collecting and conveying material extracted by said fingers, means coextensive with the exterior of said body and embracing a portion of its circumference and adapted, during inoperative periods of said fingers, to deflect harvested stalks away from said body a rotatable housing to which one end of said body is affixed, an adapter plate mounted in said housing, means for constraining said plate to travel in a circular path about the axis of said body, and a crank connecting said finger bearing shaft to said plate in offset relation to its center for oscillating said finger bearing shaft, simultaneously with the rotation of said housing and body.

2,355,881
ENGINE GOVERNOR
Marion Mallory, Detroit, Mich.
Application March 31, 1944, Serial No. 528,931
9 Claims. (Cl. 123—103)



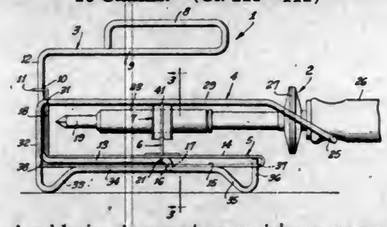
1. The combination with an internal combustion engine having an intake passageway provided with a throttle valve for controlling the flow of motive fluid to the engine, means actuated through changes of pressure in the intake passageway on the engine side of said valve for imparting movement to said valve, a conduit connecting said pressure actuated means with the intake passageway on the engine side of said throttle valve, and valve means responsive to changes in engine speed for controlling fluid flow through said conduit, said valve means tending to open said conduit when the engine reaches its governed speed and tending to close said conduit when the engine falls below its governed speed.

2,355,882
CLEANING INSTALLATION
Job F. Malsbary and Walter W. Taylor, Oakland, Calif., assignors to Malsbary Manufacturing Company, Oakland, Calif., a copartnership
Application March 23, 1943, Serial No. 480,178
9 Claims. (Cl. 299—83)



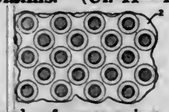
1. In a cleaning installation of the character described, a plurality of cleaning stations, a plant for generating steam, a pump for pumping a cleaning solution, means for conducting the steam and the solution in separate paths to the several cleaning stations, a mixing chamber at each station, means including an orifice of fixed size for discharging the steam into the mixing chamber, means including an adjustable valve for discharging the solution into the mixing chamber and an outlet conduit connected to the chamber and having a discharge orifice of fixed size.

2,355,883
SOLDERING IRON REST
Edwin S. Mathews, Burbank, Calif.
Application June 2, 1943, Serial No. 489,393
16 Claims. (Cl. 113—111)



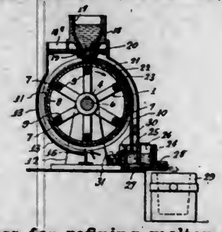
1. A soldering iron rest comprising a supporting member, a tip support adjustable along said member, resilient spaced guard rails above said supporting member and supported on said tip support for retaining said tip support in adjusted position, said guard rails having an inclined extension forming a handle support.

2,355,884
MEDIUM FOR USE IN MAKING CAMERA COPY AND METHOD OF PREPARING SAME
Maurice D. McIntosh, Cleveland Heights, Ohio, assignor to Louis S. Sanders, Shaker Heights, Ohio
Application August 15, 1942, Serial No. 454,960
8 Claims. (Cl. 41—41)



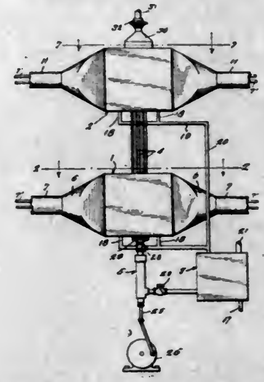
1. In a method of preparing a medium for use in making camera copy, the steps which consist in impregnating a surface with a chemically-developable pattern comprising spaced dots, and then impregnating said surface with a chemically-developable pattern comprising spaced dots smaller than said first-named dots, said second-named dots being substantially entirely superimposed upon said first-named dots.

2,355,885
PROCESSES FOR CHEMICALLY PURIFYING AND REFINING METALS AND OTHER SUBSTANCES IN FUSION
Joseph M. Merle, Pittsburgh, Pa.
Application July 19, 1941, Serial No. 403,124
In Brazil January 22, 1941
14 Claims. (Cl. 75—93)



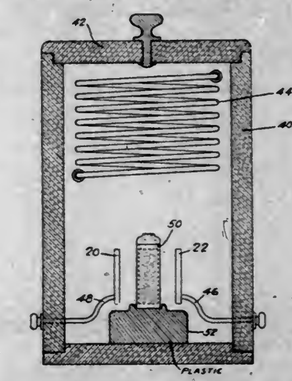
5. A process for refining molten metal which consists in progressively depositing a molten refining substance, a molten metal and another molten refining substance on a rapidly moving film forming surface, in drawing out said refining substance, molten metal and refining substance into thin superimposed films by said film forming surface and in collecting the products of the chemical reaction.

2,355,886
STEAM GENERATOR
Harold Walter Miller, Niagara Falls, N. Y., assignor of one-half to Michael Mohr, Niagara Falls, N. Y.
Application January 28, 1942, Serial No. 428,628
4 Claims. (Cl. 122—333)



1. In a steam generator, a pair of primary and secondary heating units, respectively, spaced apart and separate and each comprising an elongated casing forming a combustion chamber and having a pair of axially aligned air inlet flues at opposite ends thereof, injector-type burners in said flues, a header adjacent one of said units, steam generating pipes extending from said header through both units and combustion chambers transversely of the axis of said pairs of flues, a dome on the secondary heating unit into which said pipes open, a steam exhaust line extending from said dome, a pressure relief valve in said line for permitting the escape of steam through said line at a given pressure, and means to supply water under pressure to said header.

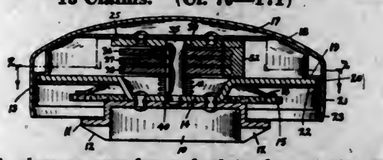
2,355,887
METHOD OF STERILIZATION
Rex E. Moule, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 5, 1943, Serial No. 478,111
4 Claims. (Cl. 21—102)



3. An apparatus for sterilizing solutions contained in plastic ampules comprising in combination; a pair of electrode plates, a high frequency

circuit connected to said plates for causing high frequency currents to pass therebetween, a holder for a plastic ampule disposed between said plates, and a container for the plates and holder adapted to be refrigerated.

2,355,888
LOCK
Mortimer Nusbaum, Akron, Ohio
Application September 19, 1941, Serial No. 411,538
13 Claims. (Cl. 70—171)

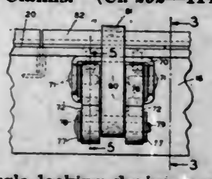


1. A closure cap for a fuel tank and the like comprising a body member having a depending peripheral flange to provide a hand grip portion and means to prevent access to the space within said body when the cap is applied to the fuel tank and the like, a pair or radially extending arms rotatably carried by said body member to engage an inturned cammed flange on the filling pipe of said tank and the like, and means to interlock said body and said arms whereby said body and arms will move in unison comprising a permutation lock and an interlocking member movable upon the combination of said lock being effected, and a manually engageable operator for said lock.

2,355,889
COATING COMPOSITION
James Joseph O'Loughlin, Hawthorne, N. J., assignor to Paint Engineers, Inc., Hawthorne, N. J., a corporation of New Jersey
No Drawing. Application November 30, 1940, Serial No. 368,085
10 Claims. (Cl. 106—148)

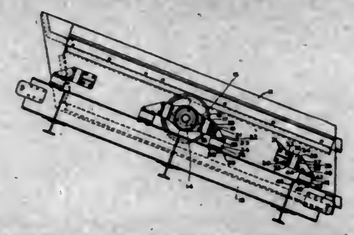
1. A method of producing protective coatings which comprises dissolving chromic acid in water, then adding the water solution to ethylene glycol monoethyl ether, at room temperature to control the reaction of same, and incorporating the resulting product in a protective coating vehicle.

2,355,890
CLOSURE FASTENER FOR SCREENING MACHINES
Walter J. Parks, Cleveland Heights, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Original application December 9, 1941, Serial No. 422,256. Divided and this application June 23, 1942, Serial No. 448,149
5 Claims. (Cl. 292—114)



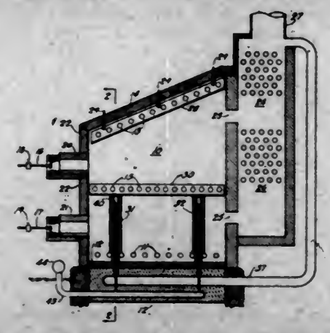
2. In a toggle locking device, a support, links pivotally mounted on said support, each of said links forming a housing, members disposed in said housing at the ends thereof, resilient means between the members in each link, a pivot pin extending from the members at one end of each of said housings and a fastener element extending from said pin.

2,355,891
SCREENING APPARATUS
Walter J. Parks, Shaker Heights, Ohio
Application September 10, 1941, Serial No. 410,282
11 Claims. (Cl. 209—326)



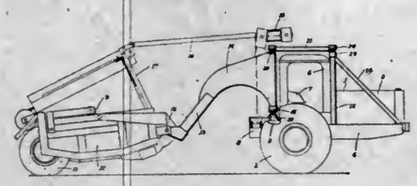
1. In a machine of the character described, a substantially stationary base, a screen body having a movement in a vertical plane which is the resultant of two complementary movements substantially at right angles to each other, and means for resiliently supporting said screen body on said base, said means comprising a plurality of resilient units, each unit comprising at least two resilient members of rubber or rubber like material, one of said resilient members being connected to said screen body and to the other of said resilient members, the other of said resilient members being connected to said base and to the first of said resilient members, one of said resilient members freely permitting throughout the elastic limit of said resilient member, by a displacement in shear, the rectilinear displacement of the screen body resulting from one of said movements but resisting movement of the screen body in a direction normal to the direction of said movement and the other of said resilient members freely permitting, throughout the elastic limit of said resilient member, by a displacement in shear, the rectilinear displacement of the screen body resulting from the other of said movements but resisting movement of the screen body in a direction normal to the direction of said movement.

2,355,892
MEANS FOR SUPPORTING HEATER TUBES
Frank H. Praeger, Merion, Pa., assignor to Alcorn Combustion Company, Philadelphia, Pa., a corporation of Delaware
Application June 8, 1942, Serial No. 446,299
8 Claims. (Cl. 122—510)



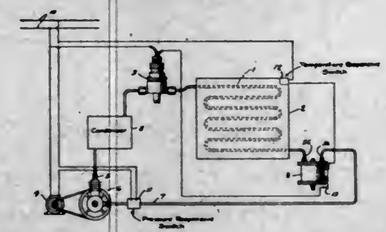
7. In combination with a heater having a supporting foundation and a fire chamber, of an intermediate tube-supporting means comprising a fluid cooled pipe of heat-refractory metal closed at one end, means carried by said closed end of said pipe and forming an intermediate tube-support, a header for cooling fluid extending laterally of said pipe and through said supporting foundation, said pipe opening into and supported by said header, heat-insulating means surrounding said pipe throughout the length thereof within the fire chamber of said heater, and means for supplying cooling fluid to said pipe.

2,355,893
DRAFT UNIT
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application October 29, 1943, Serial No. 508,115
8 Claims. (Cl. 280—33)



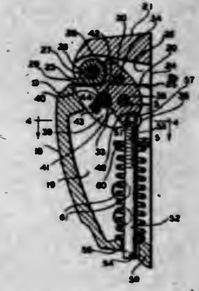
1. A draft unit adapted to connect a two-wheel tractor in supported, steerable, and limited laterally tiltable relation to a trailing implement, said draft unit comprising a rigid draft member, means securing the draft member at its rear end to the implement in normally rigid relation, a pair of vertically spaced universal connections mounted on the draft member at its forward end, the lower one of said universal connections being secured to the tractor at the rear, a drawbar secured to the upper universal connection and projecting forwardly therefrom, an upstanding frame on the tractor some distance ahead of the forward end of said draft member, and another universal connection between the forward end of said drawbar and said frame.

2,355,894
REFRIGERATING SYSTEM
William A. Ray, Glendale, Calif.
Application September 4, 1942, Serial No. 457,302
3 Claims. (Cl. 62—8)



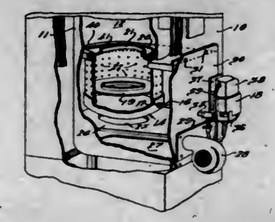
3. In a refrigerator system for cooling a space, utilizing the vaporization of a liquid refrigerant in a vaporizer, the combination therewith of an electromagnetically operated valve for admitting refrigerant into the vaporizer, said valve having a closure member operating only between fully open and fully closed positions, and controlling a valve port, a circuit controlling the operation of said valve, and means separate from said port, defining a throttling orifice in the outlet side of the valve.

2,355,895
AUTOMATIC RELEASABLE LOCK
Thomas L. Roberts, St. Paul, Minn.
Application April 20, 1942, Serial No. 439,781
5 Claims. (Cl. 292—78)



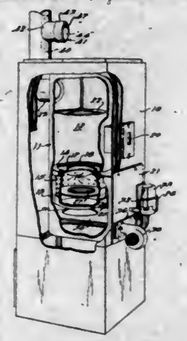
1. A releasable lock comprising a swinging lock-member formed of a series of sheet metal plates shaped and secured together to form a socket having a plane face, a spring-pressed member having a head in said socket engaged by said face with a yielding pressure, means for forcibly rotating said member against said pressure, and means on the head engageable with said face in one position of rotation of the head to hold the spring-pressed member against turning in the normal operation of the lock.

2,355,896
BAYONET CATCH MOUNTING FOR FURNACES
Reginald G. Wyld, Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application April 6, 1942, Serial No. 437,786
3 Claims. (Cl. 158—91)



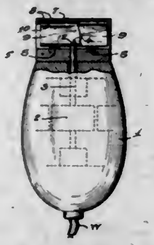
1. In a heating appliance comprising a fuel vaporizing burner, a flange at the bottom of the flame receiving portion of the appliance having an opening through which flame may extend from the burner, a combustion ring forming the top portion of the burner and having a flame opening adapted to be registered with the opening in said flange, said combustion ring having a rim protruding beyond the adjacent portion of the burner, said rim having a plurality of notches in its edge, and a plurality of hanger members carried by said flange having vertical portions extending downward from the lower surface of said flange and adapted to embrace the edge of said rim and inwardly extending free ends adapted to pass through said notches when the burner is raised to bring said rim into engagement with said flange, said hanger members being adapted to support the burner when the burner is rotated sufficiently to move said notches out of registry with the hanger members and thus bring portions of said rim over the free ends of said hanger members.

2,355,897
DRAFT REGULATION FOR FURNACES
Reginald G. Wyld, Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application April 6, 1942, Serial No. 437,787
3 Claims. (Cl. 158—28)



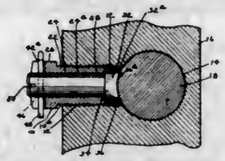
1. A heating appliance comprising a fire chamber, a partition dividing said fire chamber into upper and lower sections, a fuel vaporizing burner having perforations to admit combustion supporting air into the fuel vaporized by the heat of previously burned fuel and a top combustion ring having a flame opening therethrough, said combustion ring being associated with said partition so that the sole communication between said upper and lower sections is through said perforations and said flame opening, means to force air into said lower section in greater quantity than required for efficient combustion of the fuel, said means being capable of creating a static pressure in excess of the desired static pressure at the perforations of the burner, means to permit the escape of the excess air from said lower section whereby to maintain the flow of the desired quantity of air through said perforations at a desired static pressure lower than the pressure at which the air could be forced into the lower section by said air forcing means, and a draft regulator in communication with said upper section and atmosphere for maintaining a constant negative pressure in the interior of said burner.

2,355,898
ELECTRIC RAZOR HEAD ASSEMBLY
Leo C. Saxe, Washington, D. C.
Application December 28, 1940, Serial No. 372,164
4 Claims. (Cl. 30—43)



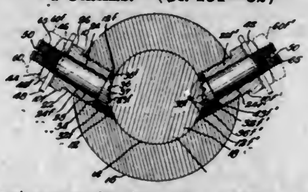
1. In a head for electric razors, the combination of a detachable head having a broadly arcuate operating surface, said head having a series of continuous and connected staggered slots, a cutter element of similar contour to the head and having a corresponding series of staggered slots in its top surface, leaf springs having one of their ends securely fixed in the head, and having their free ends bearing against the cutter element to hold it in operative contact with the under surface of the head, and means for actuating the cutter element from an electric motor shaft.

2,355,899
LOCKING SETSCREW
Herbert G. Beede, Pawtucket, R. I., assignor to Pantex Pressing Machine, Inc., Central Falls, R. I., a corporation of Delaware
Application December 4, 1940, Serial No. 368,414
10 Claims. (Cl. 151—32)



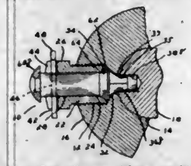
1. A set screw for insertion within a threaded set screw hole in a first member extending to a second member movable relative to said first member, comprising a threaded bolt member having a smooth circular bore and turning means, a smooth stem member extending through said bore having an end portion of greater area than said bore beyond the threaded end of said bolt member having means on said end portion for non-rotatable engagement with said second member to restrain relative movement between said first and second members and means for locking said bolt member to said stem member against relative rotative movement with said means on said end portion of said stem member engaging said second member in the desired position.

2,355,900
LOCKING WEDGE POINT SETSCREW
Herbert G. Beede, Pawtucket, R. I., assignor to Pantex Pressing Machine, Inc., Central Falls, R. I., a corporation of Delaware
Application December 6, 1940, Serial No. 368,884
4 Claims. (Cl. 151—32)



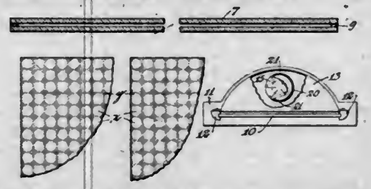
1. A set screw for insertion within a threaded set screw hole in a first member extending to a second member movable relative to said first member, comprising a threaded bolt member having a smooth circular bore and a turning head, a locking stem member extending through said bore having an end portion of greater area than said bore beyond the threaded end of said bolt member, said end portion having its largest effective diameter less than the continuous effective diameter of the set screw hole so that it may be freely rotated therein and having its end wedge-shaped for non-rotatable engagement with said second member and means for locking said bolt member to said stem member, said stem member having means associated with the upper end thereof of greater area than the bore of the bolt member to abut the turning head when the bolt member is partially unthreaded for release.

2,355,901
BACKLASH RESISTING LOCKING SETSCREW
Herbert G. Beede, deceased, late of Pawtucket, R. I., by Robert Jenks Beede, executor, Seekonk, Mass., assignor to Pantex Pressing Machine, Inc., Central Falls, R. I., a corporation of Delaware
Original application December 6, 1940, Serial No. 368,884. Divided and this application July 9, 1943, Serial No. 494,052
4 Claims. (Cl. 151—32)



1. A set screw for insertion within a threaded set screw hole in a first member extending to a second member movable relative to said first member, comprising a threaded bolt member having a smooth circular bore with a conical surface defining an enlarged recess circular in cross-section and turning means, a smooth stem member extending through said bore and having a portion of greater area than said bore having a cooperating conical surface engageable with said recess to prevent play and having means on the lower end thereof for non-rotatable engagement with said second member and means for locking said bolt member to said stem member against relative rotative movement, said stem member having means associated with the upper end thereof of greater area than the bore of the bolt member to release said cooperating engaging surfaces on unscrewing of said bolt member.

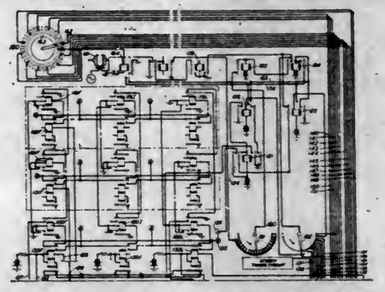
2,355,902
SIGN WITH ANIMATED EFFECT
Carlton T. Berg, Minneapolis, Minn., assignor to The Photoplating Company, Minneapolis, Minn., a corporation of Minnesota
Application April 10, 1941, Serial No. 387,806
2 Claims. (Cl. 40—132)



1. A display device having in combination a pair of transparent sheets each having on one face thereof a photographically produced design, said designs being substantially similar and each consisting in a multiplicity of metallic translucent spots and a multiplicity of relatively transparent spots, means for mounting said sheets one behind the other with the corresponding and respective spots of said designs substantially aligned but spaced apart, and means for passing light through said design-carrying sheets.

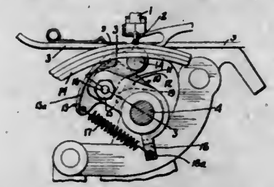
2,355,903
SIGNALING SYSTEM
Frank E. Blount, Cedar Grove, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 27, 1942, Serial No. 448,754
24 Claims. (Cl. 234—36.5)

5. In a signaling system, a plurality of recorders, a plurality of month, day and hour circuits, means for associating any recorder with an idle one of said circuits, each of said circuits having a clock, a plurality of registers for registering the fractional hour and the tens and units digits of the hour of the day, the tens and units digits of the day of the month and the month



of the year, a relay operable periodically by said clock for controlling the step-by-step advance of said registers, and means for rendering said circuit busy to all recorders during the time that registers thereof are being advanced in response to said relay.

2,355,904
BLIND-STITCH SEWING MACHINE
Mario Buono, Brooklyn, N. Y., assignor to U. S. Blind Stitch Machine Corporation, New York, N. Y., a corporation of New York
Application June 17, 1940, Serial No. 340,944
5 Claims. (Cl. 112—178)

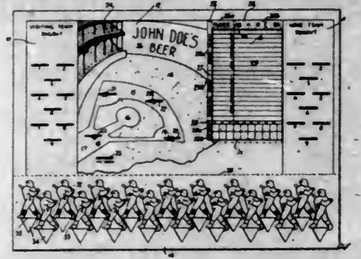


1. In a blind-stitch sewing machine, the combination of a rock-shaft, a support connected to said rock-shaft and movable in unison with said rock-shaft, a bight-forming member pivotally connected to said support, said bight-forming member having a lateral work-engaging finger which is located below the top of the said bight-forming member, spring means connected to said support and to said bight-forming member and biasing the bight-forming member to a position in which its top is located above the top of the support, said bight-forming member being the sole means for forming the bight in the work.

2,355,905
BASEBALL GAME AND THE LIKE
Bernard Buxbaum, Brooklyn, N. Y.
Application August 29, 1942, Serial No. 456,643
2 Claims. (Cl. 116—120)

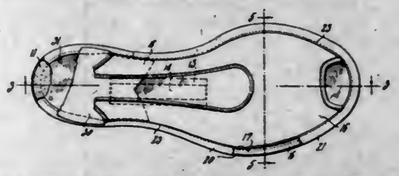
1. As an article of manufacture a game board for simulating movements and acts of baseball players, comprising a plate having four permanent sections, first, second, third and fourth, respectively, said first and second sections having a plurality of slots, said third section simulating substantially a baseball field having a slot at each of the bases and at the home plate, said fourth section having indicia to facilitate recordation of the performances of the baseball

players, and a removable section comprising a plurality of severable play figures simulating the players of opposing baseball teams, each of said figures having a base foldable at an angle with



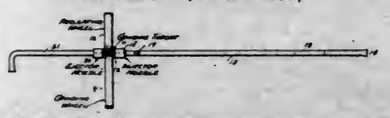
respect to the remainder of the figure, the bases of said figures when said figures are severed from said removable section being selectively insertable within said slots of said first, second and third sections.

2,355,906
SHOE CONSTRUCTION
James Castelle, New York, N. Y., assignor to Bernard Rosenstein, Brooklyn, N. Y.
Application April 13, 1943, Serial No. 482,833
1 Claim. (Cl. 12—146)



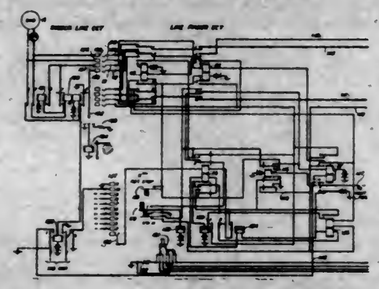
The method of manufacturing shoe soles, comprising providing a filler member, adhesively securing a matching piece of foraminous fabric to the lower side of said filler member, then stitching an elongated fabric strip to the lower side of said filler member adjacent the shank portion thereof to form a pocket for a sole stiffener, and inserting a sole stiffener in said pocket, whereby to provide a sole to which a sock lining and shoe upper may be stitched.

2,355,907
METHOD AND APPARATUS FOR GRINDING AND POLISHING LIGATURES
Walter A. Cox, Chicago, Ill., assignor to Johnson & Johnson, a corporation of New Jersey
Continuation of application Serial No. 347,280, July 24, 1940. This application November 12, 1943, Serial No. 509,968
9 Claims. (Cl. 51—103)



1. Apparatus for polishing surgical catgut to uniform gage and circular section comprising, in combination, a grinding wheel and a regulating wheel providing a grinding throat, a feed line including a hydraulic injector in operative relation between the feed line and the grinding throat and effective to supply wet stock to the grinding throat, and an ejector of the dry type on the other side of the grinding throat and effective to receive and dry the polished stock.

2,355,908
TELEPHONE SYSTEM
Joseph W. Dehn, Great Neck, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 20, 1943, Serial No. 495,487
22 Claims. (Cl. 179—18)

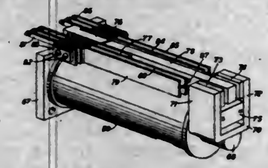


1. In an automatic switching telephone system, a local automatic switching telephone office, other automatic switching telephone offices, local subscribers' lines having dials in the subscriber's station mechanism, outgoing trunks from said local office to said other offices, line switches in said local office each having a line-finder trunk and a first selector permanently connected thereto, said selector having pulse responsive mechanism, senders each having a trunk finder permanently connected thereto, said senders having pulse responsive mechanism including registers and pulse transmitting mechanism, means responsive to an incoming call over a local line for starting a line finder hunting for the calling line and for starting a trunk finder hunting for the trunk connected to the hunting line finder, thus connecting a line finder to said line and a sender to said trunk substantially at the same time, means responsive to the connection of said sender to said trunk for actuating the mechanism of both the sender and the trunk for connecting the pulse responsive mechanism of said sender with the calling line, means in said trunk operated by the connected sender for holding said first selector non-responsive to any character of pulse transmitting device, means in said sender responsive to the initial digit or digits from the calling subscriber's dial for registering the code of the called office, and means in said sender responsive to the registration of the office code digits for automatically removing said holding means and connecting the first selector pulse responsive means either to the calling subscriber's pulse transmitting dial or the sender pulse transmitting mechanism for positioning said first selector.

2,355,909
POLARIZED RELAY
Emil Dickten, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1940, Serial No. 344,898
4 Claims. (Cl. 175—339)

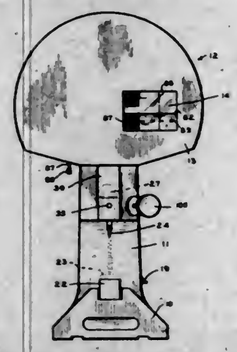
4. In a magnetic structure, a core, an electromagnetic member connected to said core, an armature forming an operating magnetic circuit with said core and electromagnetic member, a coil on said core energizable by current in either direction for producing an operating flux in said core and a permanent magnet forming a closed magnetic circuit with said electromagnetic member and serving to maintain said member in a

state of substantial saturation for the purpose of directing the operating flux in said core to said



armature to cause the operation thereof in accordance with the direction of current flow in said coil.

2,355,910
OPTICAL INSTRUMENT
George B. Gallasch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 22, 1943, Serial No. 488,067
17 Claims. (Cl. 33—147)

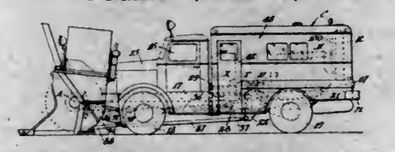


1. In a measuring instrument, a main scale; means for illuminating the indicia of said scale; means for moving said scale in accordance with the dimension of a workpiece to be measured; a lens system for forming an image of the illuminated indicia of said scale; fiducial means cooperative with the illuminated indicia of said main scale for indicating a measurement value of the dimension of the workpiece; a transparent subdividing scale mounted for movement in the focal plane of said lens system, said subdividing scale indicating fractional parts of a unit of measurement of said main scale; a screen; means for projecting images of the illuminated indicia of said scales and said fiducial means on said screen; and fiducial means adapted to cooperate with the image of an indicia of said subdividing scale for indicating a fractional measurement value of the dimension of said workpiece.

2,355,911
HYDRAZIDES AND PROCESS OF PREPARING SAME
Charles Graenacher, Riehen, and Richard Sallmann, Gelterkinden, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss firm
No Drawing. Application March 20, 1942, Serial No. 435,578. In Switzerland April 22, 1941
17 Claims. (Cl. 260—211)

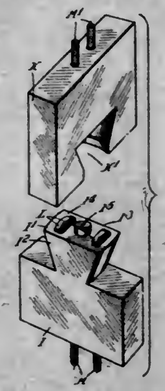
10. A higher aliphatic-acylated hydrazide wherein one hydrazine nitrogen atom is connected with the acyl radical, said radical being the acyl radical of an aliphatic carboxylic acid and containing at least 12 carbon atoms, and wherein the other hydrazine nitrogen is attached to the radical of a water-soluble reducing carbohydrate, which hydrazide is water-soluble and is split by boiling dilute mineral acid to form a cation-active decomposition product.

2,355,912
VEHICLE FOR PROPELLING AND DRIVING ROTARY SNOWPLOWS AND OTHER MECHANISMS
Edward Russell Greer, Minnetonka, Minn., assignor to Rotary Snow Plow Company, Minneapolis, Minn., a corporation of Minnesota
Application February 19, 1942, Serial No. 431,560
4 Claims. (Cl. 37—43)



2. In combination with a motor vehicle having a chassis of the truck type and in combination with a propelled path-clearing device coupled to the forward end of said vehicle and having rotary driven parts, an auxiliary engine supported from the rear portion of said chassis and extending longitudinally of said vehicle, a transmission mechanism supported from said chassis forwardly of said auxiliary engine, driving connections between said transmission mechanism and said propelled device, and a cabin enclosure mounted on said chassis and covering said auxiliary engine and said transmission mechanism, said enclosure being of a width less than the over-all path-clearing width of said propelled device, and said enclosure having upstanding longitudinally extending guiding surfaces and rear inwardly curved guiding surfaces merging therewith, said guiding surfaces guiding said vehicle in rearward travel through the path formed by said propelled device.

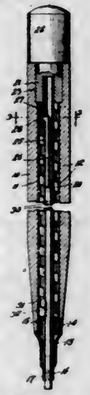
2,355,913
CONNECTING DEVICE
Johanna Elly Simon, nee Grünebaum, London, England
Application May 13, 1940, Serial No. 334,945
In Great Britain May 31, 1939
3 Claims. (Cl. 173—328)



1. A connecting device comprising a member having a dove-tailed projection in the form of an

inverted truncated cone having flats on opposite sides, a second member having a dove-tailed recess corresponding in shape and size to said projection, a projection having a cylindrical surface and arranged centrally on the end surface of said dove-tailed projection, said dove-tailed recess having a cylindrical recess provided centrally in the mid surface of said dove-tailed recess and corresponding in diameter to said cylindrical projection, said members being engageable by relative rotation when placed in axial alinement, and a pair of contact pieces arranged on one of said members having contact surfaces designed to exert a pressure in the axial direction of said members, whereby said members are retained in locked position with respect to each other.

2,355,914
MECHANICAL PENCIL
Hugo S. Hasselquist, Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application September 12, 1942, Serial No. 458,111
8 Claims. (Cl. 120—18)



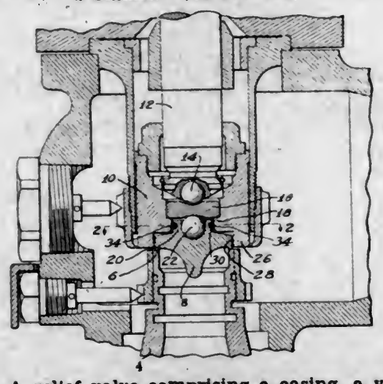
1. In a mechanical pencil, a casing having an internal spiral thread, a plunger having a head arranged to engage the thread and arranged for longitudinal and lateral movement in the casing, and guide means in the casing having an external surface arranged to support and hold the plunger head in operative engagement with the spiral thread and having another outer surface arranged to permit lateral movement of the plunger head to release the head from the thread and to support said head in a position out of engagement with said spiral thread, said guide means being withdrawable from the casing in all positions of movement of the plunger.

2,355,915
FROZEN CONFECTION
Kenneth L. Hayden, Brooklyn, N. Y.
Application April 12, 1940, Serial No. 329,240
2 Claims. (Cl. 99—137)



1. The method of producing a confectionery product comprising forming an edible hollow tube closed at one end and provided with an overlapping expansion joint longitudinally disposed thereon, filling the same with an edible liquid material and subjecting the filled tube to refrigeration to effect congelation of said liquid material and form a frozen product.

2,355,916
RELIEF VALVE
Erling Klafstad, Belmont, Mass., assignor to Crosby Steam Gage & Valve Company, Boston, Mass., a corporation of Massachusetts
Application December 15, 1941, Serial No. 422,974
2 Claims. (Cl. 137—53)



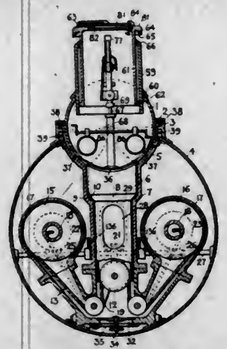
1. A relief valve comprising a casing, a valve seat, a valve spindle, and a valve disk assembly, said assembly comprising a valve disk and a valve disk holder, the holder being mounted in the casing for movement toward and from the valve seat, means for guiding said holder to prevent tilting movement thereof, a thrust member carried by the holder, a thrust ball between the spindle end and the thrust member, and a second ball between the other face of the thrust member and the valve disk, said ball members being substantially centered on the axis of the spindle and providing swivel connections between the parts adjacent the thrust balls.

2,355,917
APPLICATOR
William M. Knight, Minneapolis, Minn.; Theresa M. Knight, executrix of said William M. Knight, deceased, assignor to The Personal Products Corporation, New Brunswick, N. J., a corporation of New Jersey
Application May 8, 1942, Serial No. 442,151
3 Claims. (Cl. 128—263)



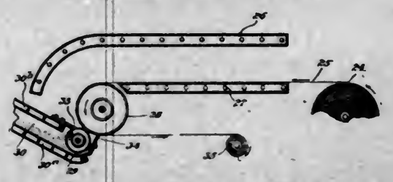
3. A disposable vaginal tampon container and applicator, comprising a substantially cylindrical body of crushable and disposable material adapted to receive a tampon, one end portion of said body being adapted to retain its substantially cylindrical form and serve as a holder and applicator for said tampon when the latter is partially projected from said body, and the remaining portion of said body having means comprising spaced longitudinal score lines extending toward the opposite end of said body to facilitate movement of a portion of a wall of said tube into position to engage the inner end of a partially projected tampon held within the first mentioned portion of said body and prevent return movement of the tampon into the body when the tampon is being inserted and pressure is applied to the tampon tending to retract the tampon into the applicator.

2,355,918
RECONNAISSANCE AND ATTACK BUOY FOR SUBMARINES
Serge G. Kotelev and Sophie F. Kotelev, Long Island City, N. Y.
Application March 30, 1943, Serial No. 481,166
7 Claims. (Cl. 114—16.7)



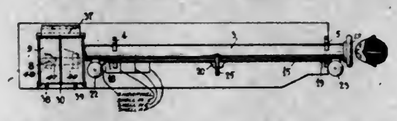
1. A reconnaissance buoy for a submarine comprising a vessel; a tubular container opened at the top supported on the upper deck of a submarine and adapted to receive the vessel; a cable extending from the vessel into the submarine; a drum for the cable; means to admit a man from the submarine into the vessel; means to release the vessel; means to rotate the drum for unwinding the cable and permitting the vessel to rise to the surface of water; a water-tight enclosure for the drum at the container; means to prevent outside water from entering the submarine when the vessel is released; a hinged cover at the top of the container adapted to be depressed by the vessel when the latter is resting in the container; and means to raise the cover for closing the container when the vessel is released therefrom.

2,355,919
COATING PROCESS
Samuel Lipsius, New York, N. Y.
Application November 5, 1940, Serial No. 364,389
18 Claims. (Cl. 117—132)



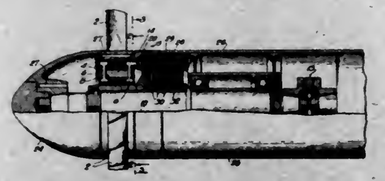
17. The method of coating metallic foundations with a hot melt coating of resinous material, having a melting point between about 65° C. and 140° C.; said method comprising applying the material in small portions to the foundation to form a thin layer thereon; subsequently applying momentary superheat at a temperature at least as high as the melting point of the material to the material to fuse the material; and immediately applying pressure to the fused material on the foundation along a line substantially in the plane of the surface of the foundation and in a direction substantially parallel to the surface of the foundation, to spread the material over the surface of the foundation.

2,355,920
GUN SIGHT
Oliver F. Marston, Pensacola, Fla.
Application February 27, 1942, Serial No. 432,683
22 Claims. (Cl. 33—49)



1. In a gun sight, the combination of a stadia ranging scope, a rear sighting element positionable longitudinally of the scope by and in accordance with the range of the target as determined by said scope, a vertical index providing a front sighting element, said sighting elements cooperating to establish a line of sight on the target, and means for moving one of said elements transversely of the gun tube with reference to the other element to a position which is a function both of the apparent angular velocity of the target and of the initial muzzle velocity of the ammunition being fired, whereby at the instant of firing the line of sight has the proper lead angle relatively to the gun bore required to cause the projectile being fired to hit the target.

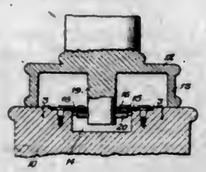
2,355,921
AIR-SPEED METER
Pierre Ernest Mercier and René Planiol, New York, N. Y.
Application April 23, 1943, Serial No. 484,276
4 Claims. (Cl. 73—187)



4. An air-speed meter for aircraft comprising in combination a rotatable shaft, adjustable driving means for rotating the same, an air screw mounted on said shaft for limited helicoidal motion therein, a contact carried by said air screw, a pair of spaced contacts yieldingly mounted on said shaft, a second contact on said air screw and a second pair of spaced contacts carried by said shaft, said last mentioned pair of contacts being spaced further apart than said first pair of contacts, means controlled by engagement of said first mentioned contact with either of said first mentioned pair of contacts for adjusting said driving means to nullify the helicoidal motion of said air screw on said shaft and to maintain the rotation of said screw in accordance with its

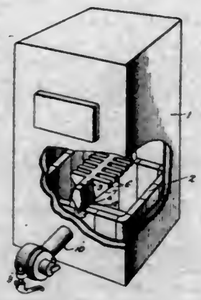
theoretical pitch, and means responsive to the engagement of said second contact on said air screw with either of said second mentioned pair of contacts for increasing the rate of adjustment of said driving means initiated by engagement of the first contact of said air screw with one of said first pair of contacts.

2,355,922
COUPLING DEVICE
Eligio Minero, Jersey City, N. J.
Application January 8, 1944, Serial No. 517,487
4 Claims. (Cl. 287—103)



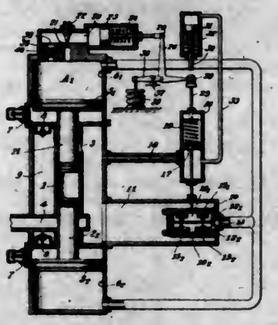
1. In a coupling device, the combination of two separable members forming an assembly, said members being rotatable relative to each other and one of them having an extension provided with projections which protrude therefrom in offset relation to the diametrical center of the extension, the other member having an opening for receiving said extension when the two members are assembled and further having slots extending from said opening also in offset relation to the diametrical center of said opening and through which said projections pass when assembling said members and separating them from each other.

2,355,923
BAFFLE FOR OIL BURNING FURNACES
Cortland N. O'Day, Port Washington, N. Y., assignor to Air Devices, Inc., New York, N. Y., a corporation of New York
Application May 14, 1943, Serial No. 487,012
7 Claims. (Cl. 110—97)



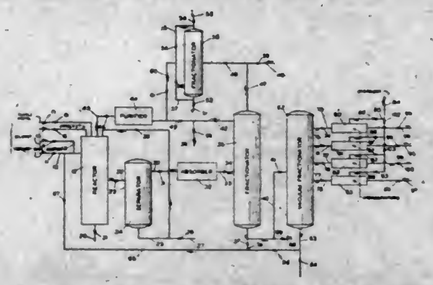
1. Baffle for oil burning furnaces comprising a refractory member of a length substantially that of the fire box of the furnace having a medial trunk with a plurality of laterally extending vertically disposed spaced fins on each side of said trunk, said fins each having inclined bottom faces extending outwardly and upwardly from the bottom face of the trunk part.

2,355,924
FREE PISTON MACHINE
Raul Pateras Pescara, Lisbon, Portugal, assignor of one-tenth to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland
Application November 25, 1941, Serial No. 420,433
In France September 3, 1941
9 Claims. (Cl. 230—56)



1. A free piston machine of the type described which comprises, in combination, a motor cylinder and a compressor cylinder, at least one reciprocating structure movable in the axial direction of said cylinders, including a motor piston and a compressor piston rigid with each other and adapted to cooperate with said motor cylinder and said compressor cylinder, respectively, a pneumatic accumulator associated with said reciprocating structure for storing up energy during the outstrokes of the pistons and giving back said energy to said structure during the return strokes thereof, a source of gas under pressure, control means, responsive to variations of at least one working factor of the machine, for producing an interchange of gas between said accumulator and said source when such variations occur, and means responsive both to variations of the pressure existing in said accumulator for a given position of said reciprocating structure and to the length of stroke of said structure, for regulating said control means.

2,355,925
POLYMERIZATION PROCESS
James A. Reid, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 14, 1941, Serial No. 402,415
18 Claims. (Cl. 260—683.15)



16. A process for polymerizing olefins, which comprises subjecting a charge stock consisting of hydrocarbon material comprising a low-boiling olefin to polymerization conditions in liquid phase at a polymerization temperature not

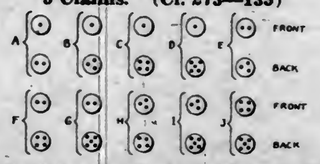
greater than 200° F. in the presence of a metal halide catalyst of the Friedel-Crafts type associated with an alkali metal, said alkali metal being sufficient to react with all hydrogen halide and other impurities which have an adverse influence on the character of the polymers formed and being essentially unreactive as an olefin polymerizing catalyst under the reaction conditions.

2,355,926
BRACELET CLASP
Emil Rodrigues, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application December 24, 1942, Serial No. 470,012
1 Claim. (Cl. 24—241)



A center catch clasp for watch bracelets comprising a pair of end links, one of said end links being apertured, the other of said end links being formed as a housing and carrying the clasp members, said clasp members comprising a closure element for the top of the housing link pivoted about a horizontal axis at the end of the said link and provided at its inner free end with a downwardly hooked latch engaging part receivable by said housing link, a latch element pivoted within said housing link also about a horizontal axis and mating with said latch engaging part of the closure element to lock the latter when the same is moved to closed position, a finger engaging portion on said latch element protruding from the top of said housing link and engageable to move the latch element to release the closure element for movement to open position, and a spring anchored to the closure pivot and having one of its ends acting on the closure element to urge the same to open position and the other of its ends acting on the latch element to urge the same to locking position, the said closure element when in open position being adapted to be moved into or out of the aperture of said first mentioned link.

2,355,927
GAME
Herbert F. Scofield, Brooklyn, N. Y.
Application February 16, 1944, Serial No. 522,646
5 Claims. (Cl. 273—135)

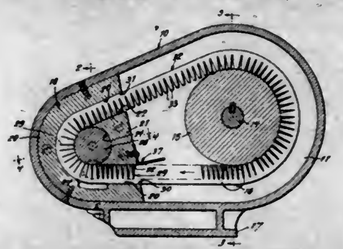


3. A game apparatus comprising a plurality of playing elements, each having a face thereof normally exposed and one normally concealed, each of said faces bearing as a distinctive indicium a single one of a group of related symbols, the number of related symbols and the number of playing elements being to each other as n is to

$$\frac{n(n-1)}{2}$$

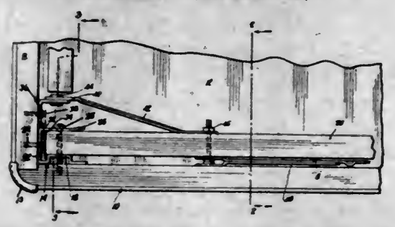
the combination of markings on each piece being different from the combination of markings on any other piece.

2,355,928
PUMP
John E. Stevens, New York, N. Y.
Application November 23, 1942, Serial No. 466,625
11 Claims. (Cl. 103—72)



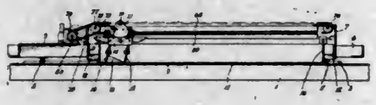
1. A pump comprising a housing having a rotatable shaft provided with a pulley rigid thereon and mounted in one end of said housing, a roller mounted in the other end of said housing, a belt of flexible material trained about said roller and pulley and having longitudinally spaced teeth on the inner surface thereof, a casing secured to said housing and surrounding said roller, said casing having a belt raceway formed therein of the same depth and width as said belt, said housing having an inlet opening adjacent said pulley and an outlet opening adjacent said roller.

2,355,929
FOLDING TABLE CONSTRUCTION
Samuel Tave, Forest Hills, N. Y., assignor to Fibrean Corporation, Whitestone, Long Island, N. Y., a corporation of New York
Application September 4, 1943, Serial No. 501,323
2 Claims. (Cl. 311—99)



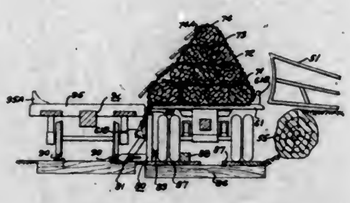
1. In a folding table, in combination with a pair of frame elements interconnected at a right angle and a table leg, a flat strip of metal bent at right angles to form a bracket having a leg in abutting parallel relation to one of said frame elements, a base in abutting parallel relation to the other frame element and secured thereto and a second leg extending in substantially parallel relation to the first leg at a distance substantially equal to the thickness of the table leg, a pivot means for mounting the table leg for swinging movement between said bracket legs, said means having an end portion abutting against the outer face of the second of said bracket legs and passing through both bracket legs for right connection with the first-mentioned frame element, a slit in the second leg of said bracket adjacent the base of this latter, a second bracket secured to the second-mentioned frame element having a lip for engagement in said slit to interlock the brackets and a portion extending in substantially parallel spaced relation to the second leg of the first bracket, and a rigid means pivotally connected to said portion of the second bracket and fastened to the table leg for opposing lateral movement of the table leg.

2,355,930
STENCIL PRINTING MECHANISM
Ward Thorne, Westport, Conn., assignor, by mesne assignments, to Linen Guild, Inc., New York, N. Y., a corporation of New York
Application April 11, 1941, Serial No. 388,017
18 Claims. (Cl. 101—123)



1. Stencil printing mechanism comprising a work supporting surface, a carriage movable along said surface, stencil printing means on said carriage, an assembly comprising a piston element and a cylinder element, means to connect the assembly to the carriage, means on the assembly to engage the supporting surface, and means to introduce a fluid under pressure into the cylinder to move the carriage with respect to the supporting surface.

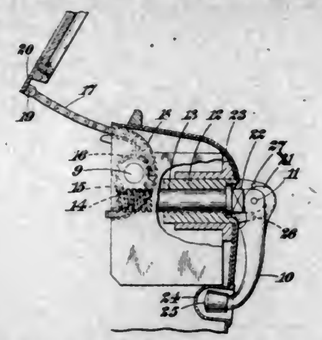
2,355,931
UNIT LOG HANDLING EQUIPMENT
Brooks Walker, Arlington, Va.
Application October 24, 1941, Serial No. 416,327
4 Claims. (Cl. 214—38)



1. Equipment of the class described, including means for binding in a substantially rigid load unit, logs of the like, arranged in horizontal courses, said means having means for binding the logs of the lower course tightly together, the logs of the second course being located in the saddles of the said lower course, thereby increasing the tension on the binding means of the lower course, and means for binding the successive courses upon the lower course and upon one another.

2,355,932
VEHICLE WINDSCREEN OR WINDOW OPENING AND CLOSING MECHANISM
Sydney Albert Walton, Cricklewood, London, England, assignor to S. Smith & Sons (Motor Accessories) Limited, Cricklewood, London, England, a British company
Application April 17, 1943, Serial No. 483,510
In Great Britain February 6, 1942
6 Claims. (Cl. 268—102)

1. A vehicle window opening and closing mechanism comprising a rotatable cranked handle, a transmission between the handle and the window, a sleeve rotatably mounted on a part of said transmission, the cranked handle being pivotally mounted in said sleeve, a facia board, a bearing associated with the facia board for accommodating said sleeve, a projection on said handle arranged to engage a slot in said part of the transmission when the handle is swung from an inoperative to an operative position, a

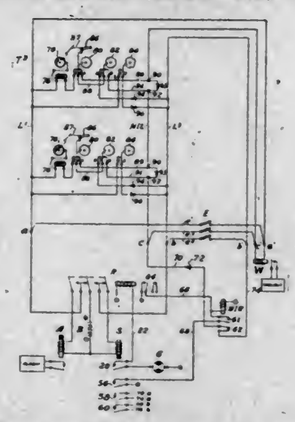


depression in the facia board for accommodating the end of the handle when swung into an inoperative position.

2,355,933
PROCESS OF METAL PLATING
Max Weiss, Brooklyn, N. Y., assignor to Cohan-Epner Co., Inc., New York, N. Y.
No Drawing. Application April 12, 1941, Serial No. 388,267
13 Claims. (Cl. 117—35)

1. A process of the character described consisting in rolling plastic articles in sand, then washing off the sand, then immersing the articles first in a ferrous sulphate solution and then in a copper sulphate solution, and then immersing the articles in a bath, consisting of water, ethyl alcohol, sulphuric acid, quinol and stannous sulphate, then rinsing the articles in water and immersing the articles in a bath of sodium hydroxide, silver nitrate with ammonia, together with a reducing agent.

2,355,934
SIGNALING SYSTEM
Foster E. Weld, Newton, Mass., assignor to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts
Application June 25, 1942, Serial No. 448,401
19 Claims. (Cl. 177—361)

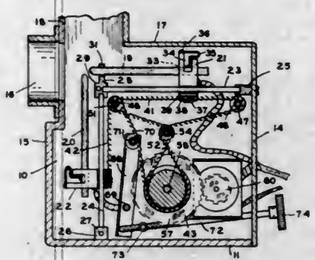


13. A signaling system comprising two signaling lines, a non-interference line, a current-limiting device for the lines, a plurality of transmitters each of which includes driving means and code means, impulse transmitting means to transmit over the lines a succession of impulses of alternating polarity, activating means for each transmitter operable to energize the driving means by a connection between one signaling line and the non-interference line, said connection acting to increase the current in the signaling line by shunting the current-limiting device, means operated by said increase of current for disabling the non-interference line to prevent energization of other transmitters during the signaling cycle of the activated transmitter, means operated by the driving means for connecting the driving means between the two signaling lines, means for operating the driving means by impulses of one polarity, and signal means operable upon an impulse of opposite polarity in dependence on the code means of the transmitter.

2,355,935
FOAM GENERATOR POWDER
Clifford B. White, Elmira, N. Y., assignor to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York
No Drawing. Application December 8, 1942, Serial No. 468,291
1 Claim. (Cl. 252—6.5)

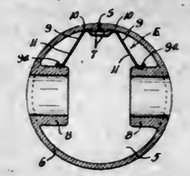
As a new composition of matter, foam generator powder consisting of a mixture of about equal portions of sodium bicarbonate and ferric sulfate, the latter consisting of particles which are finer than #8 U. S. standard screen scale and contain more than about fifteen and less than about eighteen per cent. moisture by weight, and a foam-stabilizing ingredient.

2,355,936
ARC LAMP
Bernard J. Wolfe, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 31, 1943, Serial No. 489,171
6 Claims. (Cl. 314—56)



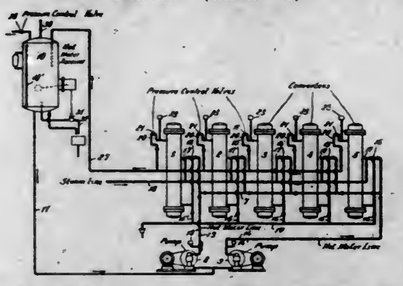
1. In an arc lamp, a housing; angularly disposed guides mounted in said housing; a holder mounted for movement on each guide; an electrode carried by each holder; flexible members disposed within said housing and interconnecting said holders; means for driving said flexible members to advance said holders toward each other; manually operable means for driving said members to reciprocally move said holders; and manually operable means separate from said first-named manually operable means for deviating one of said flexible members from its normal path of travel for moving one of said electrodes relative to the other of said electrodes.

2,355,937
PISTON EXPANDER FOR T-SLOTTED AND UNSLOTTED PISTON SKIRTS
Glen J. Worel, Minneapolis, Minn., assignor to Thexton Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application November 28, 1940, Serial No. 367,510
5 Claims. (Cl. 309—12)



1. The combination with a piston of an internal combustion engine having the usual head, a pair of opposed wrist pin bosses and an annular depending skirt of resilient, somewhat flexible material, of an expander comprising, a spring member shaped in the general form of a U and having a pair of legs diverging from the medial section of the U to their outer ends, said outer ends having means for engaging said wrist pin bosses with said member disposed transversely of said skirt, the medial section of said member having a central, substantially rigid, bridging portion disposed inwardly of the lateral sides of said medial section and leaving spaced pressure applying portions, at the sides of said section adapted to engage the inner wall of said skirt and apply pressure thereto at rather widely spaced portions thereof.

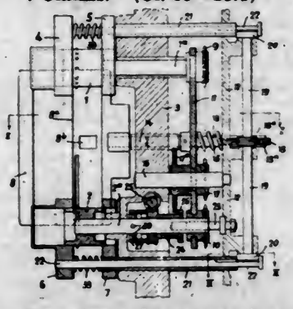
2,355,938
TEMPERATURE CONTROL OF CATALYTIC CONVERTERS
Norman William Wroby, Tenafly, N. J., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York
Application August 2, 1940, Serial No. 349,823
2 Claims. (Cl. 23—1)



1. A process of maintaining different temperatures in different portions of an exothermic catalytic reaction zone involving a train of water-jacketed catalytic converters connected in series for flow of reactants therethrough, which process comprises pumping a stream of boiling water at a predetermined pressure within the range of 25 to 350 pounds per square inch through substantially the entire extent of the water jackets of some of said converters, pumping a stream of boiling water at a different predetermined pressure within the range of 25 to 350 pounds per square inch through substantially the entire extent of the jackets of other of said converters, preventing the pressures within the respective converters from rising above said predetermined pressures, whereby the heat liberated by said

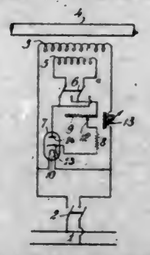
exothermic reaction is absorbed by vaporization of the boiling water, and regulating the flow of water through said jackets at a rate sufficiently high to prevent formation of a substantial body of steam in said jackets.

2,355,939
FILM GUIDING AND FEEDING DEVICE FOR CINEMATOGRAPHIC APPARATUS
Emile Wurger, Le Locle, Switzerland
Application October 5, 1942, Serial No. 460,872
In Germany October 22, 1941
7 Claims. (Cl. 88—18.4)



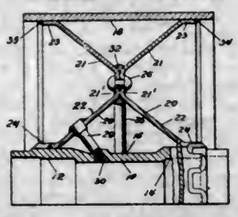
1. In a cinematographic apparatus, a device for selectively guiding and feeding sensitized films having different widths but perforation pitches and image spacings mutually equal or differing by a whole number ratio, said device comprising in conjunction with the reeler and the winder for the film and adjustable film guiding and feeding means, means for adjusting said last-named means, a set of interchangeable film-guiding and setting plates each provided with control means having a size suited to a film width and engageable with said means for adjusting said adjustable means, each of said plates being so insertable into the camera as to bring its control means into engagement with the said adjusting means and thereby to adjust said adjustable means so as to set the latter to an operative condition matching the film width to which the inserted plate corresponds.

2,355,940
DEMAGNETIZING SYSTEM
Theodor Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application November 23, 1940, Serial No. 366,873
6 Claims. (Cl. 175—181)



1. In apparatus for demagnetizing a magnetic body, the combination which includes a demagnetizing coil connectible to a source of alternating current, said coil being of the air-core type disposable in inductive relation to said body, a neutralizing coil inductively related to said demagnetizing coil and being of the air-core type disposable in inductive relation to said body, said coils being positioned to be in inductive relation simultaneously to the same portion of said body, and a rectifier circuit for producing unidirectional neutralizing current in said neutralizing coil, said circuit including said neutralizing coil and a unilateral conducting element, said circuit being electrically coupled to said source only by means of said inductive relation to said demagnetizing coil, whereby changes in the magnitude of the alternating current in said demagnetizing coil automatically produce corresponding changes in the magnitude of said unidirectional current in said neutralizing coil.

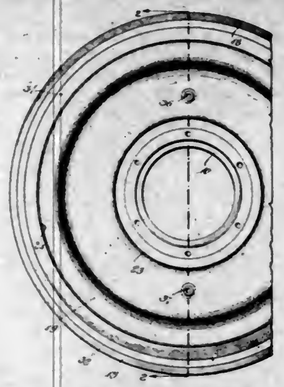
2,355,941
BOGIE WHEEL
Charles S. Ash, Milford, Mich.
Application May 30, 1942, Serial No. 445,117
7 Claims. (Cl. 301—63)



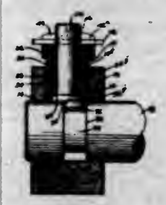
1. A metallic wheel comprising a hub, a rim, and a body formed independently of the rim and consisting of a pair of load carrying elements located on opposite sides of the center of the wheel, each element comprising an inner frustoconical member surrounding the hub and an outer frustoconical member surrounding the inner frustoconical member, said members having their walls flaring respectively toward opposite sides of the wheel, the inner member of each element having at its apex an outwardly extending sleeve portion welded to the end of the hub at the adjacent side of the wheel and the base of each outer member of each element having a flange portion secured to the rim at the adjacent side of the wheel, like members of the pair of elements being arranged in apposition with their convex sides facing each other and their concaved sides facing outwardly toward the sides of the wheel and said elements being provided with abutting portions united to each other at the wheel center and at a point radially equidistant from the hub and rim.

2,355,942
WHEEL
Charles S. Ash, Milford, Mich.
Application November 3, 1942, Serial No. 464,329
4 Claims. (Cl. 305—1)

1. A wheel of the character described comprising a hub, a cylindrical rim band, a pair of conical disks formed independent of the rim and arranged between the hub and rim, one on each side of the vertical center of the wheel, said disks having tubular portions fixed to the hub and having outer portions bent to form transverse abutment surfaces lying substantially parallel to the axis of the wheel and fixed directly to the rim and lateral abutment surfaces lying substantially parallel to the vertical plane of the wheel and spaced inwardly from the lateral margins of the rim, and annular reinforcing rings extending edgewise vertically around the inner surfaces of rim within the spaces between said lateral abutment surfaces and the lateral margins of the rim, said rings being fixed at their outer peripheral edges to the rim and being arranged to lie in lateral abutting contact with and fixed to said lateral abutment surfaces of the disks.



2,355,943
LOCKING ADJUSTING POINT SETSCREW
Herbert G. Beede, deceased, late of Jamestown, R. I., by Robert J. Beede, executor, Seekonk, Mass., and Nicholas Monsarrat, Seekonk, Mass., assignors to Pantex Pressing Machine, Inc., Central Falls, R. I., a corporation of Delaware
Substituted for abandoned application Serial No. 369,000, December 7, 1940. This application March 24, 1944, Serial No. 527,972
5 Claims. (Cl. 151—32)



1. A set screw for insertion within a threaded set screw hole in a first member extending to a second member movable relative to said first member comprising a threaded bolt having a smooth circular bore and turning means, a smooth stem extending through said bore with an end portion of greater area than said bore beyond the threaded end of said bolt having means projecting eccentrically from the end thereof to be rotated with the stem to engage and move the second member to different positions and means for locking said bolt member to said stem against relative rotation with said eccentric means securing said second member in the desired position.

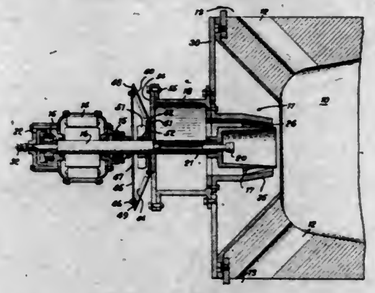
2,355,944
ORNAMENTAL CHAIN
Robert J. Beggs, Highland Springs, Va.
Application April 26, 1943, Serial No. 484,609
10 Claims. (Cl. 59—83)

2. A chain formed of a series of detachably connected closed links, each link being made from flat stock and comprising an open frame having a tongue projecting from the inside edge of one end into the interior thereof and lying substantially in the same plane, the opposite end of the



link being bent out of said plane, said bent end of one link embracing and being interlocked with the tongue of the next.

2,355,945
OIL BURNER
Floyd W. Bentley, Brooklyn, N. Y.
Application December 6, 1941, Serial No. 421,896
6 Claims. (Cl. 158—77)

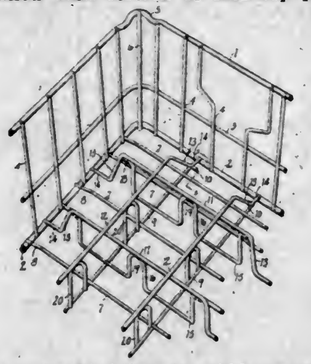


1. In an oil burner installation in which the air for combustion is highly preheated before introduction into the combustion chamber, and in which the driving motor and all of the bearings for the burner rotating shaft are located outside the combustion chamber and outside, but closely adjacent, the preheating manifold, means for cooling said bearings to a relatively low temperature, comprising, a shield between said manifold and said motor and bearings, and suction means mounted between said shield and said motor and partially enclosed in a chamber of which said shield forms one wall, for drawing cool air past the adjacent end of the motor and the adjacent set of bearings into said partially enclosed chamber to impinge against said shield, and thence to escape from said chamber.

2,355,946
BOTTLE CRATE
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application July 7, 1941, Serial No. 401,305
8 Claims. (Cl. 220—19)

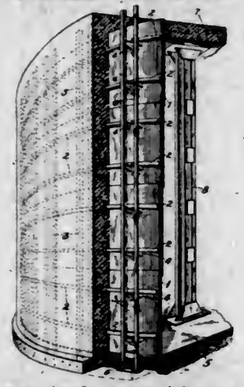
5. In a bottle crate, the combination of top and bottom border frame members and upright slats connecting said frame members, bottom slats arranged in spaced parallel relation and secured at their ends to the bottom frame member, crossed top partition members secured to each other at their crossing points and having downwardly projecting outwardly inclined arms at the ends connected to the bottom frame member, the downward and outward inclination of said arms extending substantially to the bottom border frame member, lower partition members disposed in vertical planes in crossing relation to each other, certain of said bottom partition members being disposed in crossing relation to said bottom slats and welded thereto, said bottom

partition members having vertically disposed loops alined with certain of said top partition



members and welded thereto, said loops constituting compartment side members and supporting members for said certain top partition members.

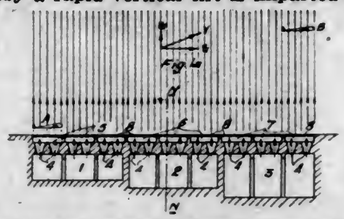
2,355,947
STORAGE TANK OR CONTAINER AND LIKE SHELL STRUCTURE
Otto Bondy, Worcester Park, and Alexander George Grant, Darlington, England
Application December 18, 1942, Serial No. 469,428
In Great Britain October 13, 1941
8 Claims. (Cl. 72—14)



1. A storage tank comprising a cylindrical metal tank shell, a plurality of spaced circumferential bands welded to the outside of said shell for stiffening purposes, a plurality of spaced axial beams disposed about the outer periphery of said shell out of contact with said shell and said circumferential bands, and a plurality of radial bracing brackets having their inner edges welded to said tank shell and to said circumferential bands and having their outer ends welded to said axial beams.

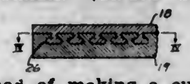
2,355,948
METHOD AND MEANS FOR ASSISTING THE TAKE-OFF OF LANDPLANES
Thomas Lacey Bonstow and Abraham Elia Margolis, London, England
Application April 17, 1940, Serial No. 330,092
In Great Britain April 14, 1939
2 Claims. (Cl. 244—63)

2. Apparatus for use in the practice of the herein described method of assisting the take-off of landplanes consisting of a straight, elongated, stationary runway having a wide tunnel located below same, a source or air under pressure, said runway having openings therethrough communicating with said tunnel and discharging in substantially vertical lines along the length of the runway, means whereby air from said source may be delivered to said tunnel to cause a vertical air stream along the length of the runway in the direction of movement of a plane during take-off whereby a rapid vertical lift is imparted to the



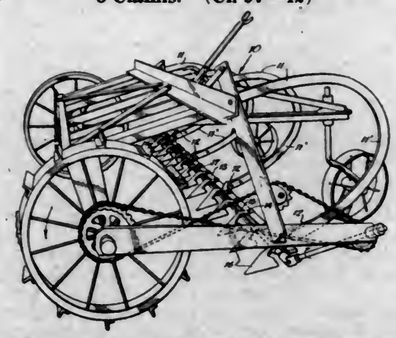
plane independently of the lift resulting from resistance encountered by the wings of the plane, and means controlling the flow of air from said source to said tunnel comprising flaps in the means for delivering air from said source to said tunnel, and floating throttling devices actuated by the flow of air, whereby the force of the air stream is automatically regulated according to the available pressure at said source.

2,355,949
METHOD OF MAKING COMPOSITE PRINTING PLATES
Clarence E. Boutwell, Birmingham, Ala.
Application August 29, 1941, Serial No. 408,828
3 Claims. (Cl. 154—2)



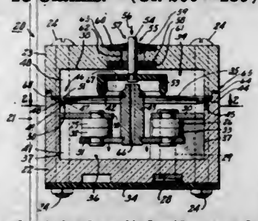
3. The method of making a curved printing plate having a plastic facing and a metal backing which comprises forming the backing to the required curvature, etching the same to provide undercut recesses in the convex surface thereof, filling the recesses with a plastic composition compatible with that of the printing plate, heating the backing to a temperature above the softening point of the plastic facing, pressing the back of the printing plate against the etched surface of the backing, and simultaneously cooling the printing face of the plate.

2,355,950
ROTARY ROD WEEDER
Claude C. Calkins, Spokane, Wash.
Application November 2, 1940, Serial No. 364,007
8 Claims. (Cl. 97—42)



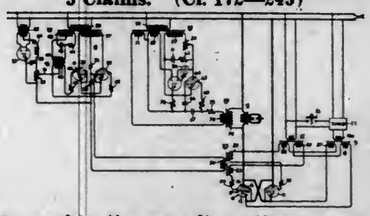
1. In a weeder of the class described having a gang of parallel longitudinal beams having depending rear portions, the combination of a flat bar extending crosswise of the lower ends of said beams, a group of shovels having shanks attached to and extending forwardly of said bar, certain of said shanks formed with bearings, and a rotary weeding rod mounted in said bearings parallel with said bar, and means for attaching said flat bar to the lower ends of said beams including means for adjusting the angular pitch of the bar and shovels to permit the latter to penetrate the ground more or less deeply.

2,355,951
SNAP SWITCH
John M. Coffeen and William P. Heineken, New York, N. Y., assignors to Heineken & Coffeen, New York, N. Y., a partnership composed of William P. Heineken and John M. Coffeen
Application January 19, 1942, Serial No. 427,322
16 Claims. (Cl. 200—159)



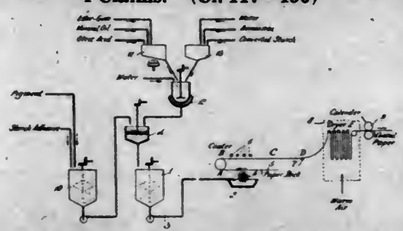
1. In an electrical switch, the combination of a main body having a main bore defined by a wall; stationary contacts in said body; a diaphragm secured to said main body; movable contacts associated with said diaphragm; an actuator supported by said body and adapted to operate said diaphragm; and means on said diaphragm, spaced inwardly from the periphery thereof, cooperating with the wall of the main bore for locating said diaphragm centrally relative to the main body and relative to the actuator, and for locating the movable contacts relative to the stationary contacts.

2,355,952
ELECTRIC CONTROL CIRCUIT
Benjamin Cooper, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application November 1, 1943, Serial No. 508,612
5 Claims. (Cl. 172—245)



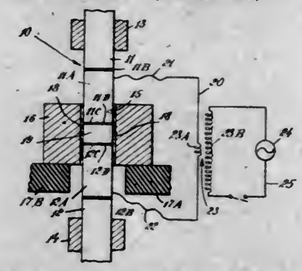
1. In combination, an alternating current supply circuit, an inductive load circuit, electric translating apparatus interconnecting said circuits including a pair of electric valve means reversely connected in parallel for transmitting alternating current to said load circuit, means for controlling the instant of initiation of conduction of said electric valve means, and means including means responsive to the voltage across said electric valves for indicating when said instant of initiation of conduction is advanced to a predetermined point with respect to the voltage of said supply circuit.

2,355,953
METHOD OF COATING
William Lutton Craig, Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York
Application May 28, 1942, Serial No. 444,839
4 Claims. (Cl. 117—156)



1. In the manufacture of coated paper with a water resistant but wettable surface, the improvement which comprises applying to the paper, in an aqueous medium, a coating pigment, a starch adhesive and an emulsion of an ester gum, dehydrating the applied film and breaking the emulsion during dehydration of the coating on the paper.

2,355,954
POWDER METALLURGY
George D. Cremer, Pelham Manor, N. Y., assignor to Hardy Metallurgical Company, New York, N. Y., a corporation of Delaware
Application March 4, 1942, Serial No. 433,336
4 Claims. (Cl. 75—22)

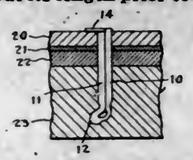


1. The improvement in the sintering of a metal powder compact to bond together the particles thereof which comprises heating points of contact between particles in the compact to a temperature in the neighborhood of the melting point by passing through the compact an electric current of such amperage that the temperature at the points of contact is attained substantially instantaneously while the balance of the particles remains in a relatively cold condition, the compact being heated by the current while it is compressed between electrodes carrying the current and confined between the electrodes by a die wall coated with flat-lying overlapping metal flakes having thereon a leafing agent of insulating character.

2,355,955
SELF-CLINCHING NAIL
Harry G. Cummings, New York, N. Y.
Application October 20, 1943, Serial No. 507,223
5 Claims. (Cl. 85—10)

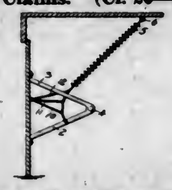
1. A self-clinching nail comprising a pair of shafts joined together in close proximity to their lower ends, one of said shafts being provided at its upper end with a head formed integral therewith and having sufficient strength and area sub-

stantially to arrest the movement of the nail when said head contacts the material into which the nail is being driven, the other of said shafts having a driving portion extending beyond said head, said headed shaft being substantially in line with and in contiguous relation to the driving shaft throughout its length prior to the nail being



driven, and the two shafts so functioning in relation to each other that continued driving of the driving portion, after said head has contacted the material into which the nail is being driven, will cause the driving shaft to become distorted relative to the headed shaft adjacent its lower end, whereby the nail will be locked into the material into which it is being driven.

2,355,956
OVERHEAD SWINGING DOOR
Elmer J. Dakan, Manhattan Beach, Calif.
Application April 15, 1942, Serial No. 439,110
2 Claims. (Cl. 20—16)



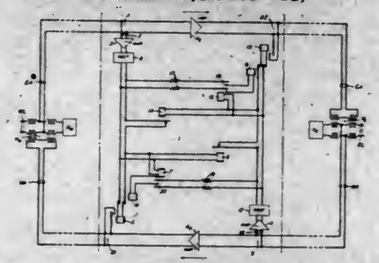
1. In an overhead swinging door for a building having a door opening, a door panel vertically positioned to close said door opening, a stationary pivot behind and at each side of said door opening a V-shaped bracket journaled at its apex on each pivot and extending to the door panel, a spring on each side of the door extending from a point in the building above and behind said pivots, a flexible connection from the end of each spring to the arm of each bracket which is farther from the spring suspension point, and flexible members extending from the door panel intermediate the arms of the brackets to each of said flexible connections for equalizing the direction of pull of the spring as the door rises into open position.

2,355,957
TOY FURNITURE
Harry Davis, Brooklyn, N. Y.
Application February 9, 1944, Serial No. 521,718
1 Claim. (Cl. 46—15)



An article of toy furniture comprising a pair of rigid flat members spaced apart from each other and each of which is shaped to simulate an end piece of the article of toy furniture, lines of perforations, said perforations being equidistantly spaced from each other, in said flat members, said perforations in each of said flat members being aligned with each other, dowels removably mounted in said perforations and extending between said flat members, and a flexible cord woven over and covering all of said dowels to form a component part of said article of toy furniture.

2,355,958
CONTROL OF TWO-WAY SIGNAL TRANSMISSION SYSTEMS
Kingsbury H. Davis, Bernardsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 17, 1942, Serial No. 458,658
4 Claims. (Cl. 178—44)



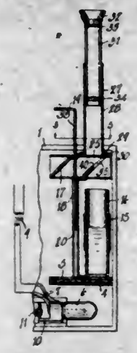
2. In a two-way telephone system, two oppositely directed one-way transmission paths for respectively transmitting the oppositely directed voice signals, and a switching device connected to each path, consisting of a common signal detector operatively responsive to voice signal transmission in the connected path, and a plurality of switching branches operatively controlled by the signal output of said detector, certain of said switching branches operating in response to operation of said detector by voice signal transmission in the connected path, in the absence of prior voice signal transmission in the other path, to respectively disable said other path beyond the point of connection of the other switching device thereto, to transform said other switching device so as to permit its operation, while the signal transmission in the first path continues, in response to subsequently initiated voice signals in said other path, only of an amplitude level at least a given amount greater than normal level, to cause said other path to be enabled, and to disable all functions of said other switching device except its transmission path enabling function.

2,355,959
ELECTRICAL RELAY
Arthur E. Dodd, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 19, 1943, Serial No. 479,759
2 Claims. (Cl. 200—147)



1. A magnetic blowout means for extinguishing arcs formed by the separation of the cooperating contact members of an electrical relay, said blowout means comprising two relatively small bar type permanent magnets secured to said cooperating contact members, respectively, and poled to blow the arc toward the front of the relay.

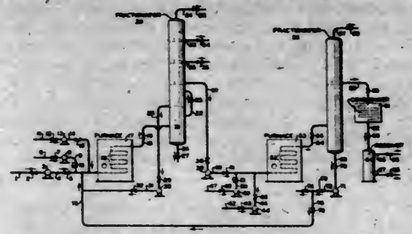
2,355,960
HEMOGLOBINOMETER
Don Hastings Duffie, Central Lake, Mich.
Application October 10, 1940, Serial No. 360,524
6 Claims. (Cl. 88—14)



1. In a hemoglobinometer or the like, the combination of a telescopic tower having a movable member carrying an eye-piece and a lens spaced apart, a transparent blood container in line with said lens and eye-piece, a mirror disposed in the field of said eye-piece and between said container and said eye-piece and at an angle with its reflecting surface directed generally toward said eye-piece without completely obstructing the passage of light from container to eye-piece, a light housing having a pair of apertures one in line with said container, lens and eye-piece, a lamp in said housing and having means for adjusting it back and forth along a line parallel with the line of said apertures to control and balance the illumination thereof, a second mirror in line with said second aperture of said housing and positioned to reflect light therefrom to said first mentioned mirror, and an optical wedge slidably mounted for adjustment across the line of light from said second aperture to said first mirror, whereby the intensity of the light reflected to the eye-piece by the first mentioned mirror may be varied, said wedge having indicia thereon corresponding to the density of the wedge and in the line of light between said second aperture and said first mirror whereby said indicia may be viewed through said eye-piece, and filter means opaque to red disposed in the lines of light to said eye-piece, said wedge being of a color which appears neutral when viewed through said filter means.

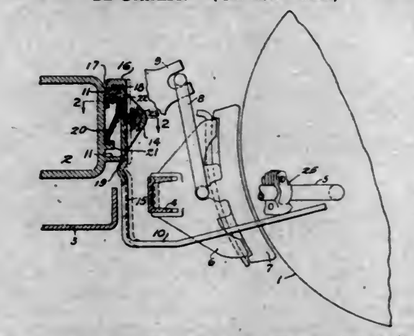
2,355,961
CONVERSION OF HYDROCARBONS
Gustav Egloff and Vasili Komarewsky, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 27, 1941, Serial No. 376,030
4 Claims. (Cl. 196—54)

1. A process for converting a relatively heavy hydrocarbon fraction containing substantially no gasoline into substantial yields of saturated gasoline of relatively high antiknock value which comprises cracking said heavy fraction in the presence of aluminum chloride and hydrogen chloride in a primary conversion zone to produce substantial yields of gasoline boiling range products, fractionating conversion products to produce gases, gasoline, intermediate insufficiently converted refluxes and residual material, recovering said gases and said residual material, returning said insufficiently converted refluxes to further conversion, subjecting said gasoline to further treatment with aluminum chloride and hydrogen chloride to improve the antiknock value thereof, fractionating the products from the gasoline treatment to produce gas, isomerized gasoline and



residual material consisting of hydrocarbon fractions amenable to further cracking and partly spent aluminum chloride, separately recovering said gas and said isomerized gasoline and returning said residual material to the primary conversion zone.

2,355,962
RAILWAY BRAKE GEAR SUPPORT
Edward J. Ellis, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application July 9, 1942, Serial No. 450,260
11 Claims. (Cl. 188—210)



1. In a mounting for a railway truck brake gear safety guard, guide or support device having an upright arm, a truck part provided with three elements arranged at different levels so as to engage opposite sides of the upright arm, at least one of said elements being elastic and carried by one of the other elements, irrespective of the presence of the support device, and accommodating assembly of the device arm with the mounting and holding the device arm against play in the mounting.

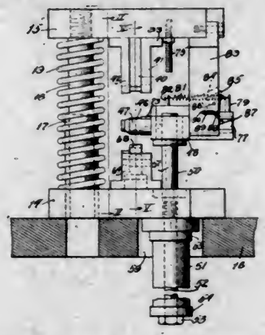
2,355,963
WIRE FABRIC
William Trehane Ennor, Newark, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Continuation of application Serial No. 345,818, July 16, 1940. This application May 16, 1944, Serial No. 535,821
12 Claims. (Cl. 148—11.5)



8. In the method of making aluminum wire fabric in which the warp wires and weft wires

comprise an aluminum base alloy core having a coating of a heat treatable aluminum base alloy, the steps comprising subjecting the wire for one of said sets of wires to a solution heat treatment and subsequently subjecting it to a wire-drawing operation, the coating alloy of the resultant material being of different hardness than the core, subjecting the wire for the other of said sets of wire to an annealing treatment, whereby the coating alloy thereof is softened, and subsequently subjecting it to a wire-drawing operation, whereby the coating of one of said sets of wires differs in hardness from the coating of the other set, and thereafter weaving wire fabric from the wires.

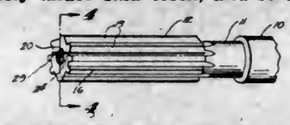
2,355,964
DIE STRUCTURE FOR METALLIC CARTRIDGE BELT LINKS
Karl H. Fernlund, John O. Hessler, and Allan E. Hultberg, Chicago, Ill., assignors, by mesne assignments, to the United States Government, as represented by the Secretary of War and his successors in office
Application June 5, 1942, Serial No. 445,996
5 Claims. (Cl. 59—6)



1. A unitary die structure for progressively forming links of the type having a body part with a pair of cartridge receiving loops at one side thereof and a hinge loop at the other side thereof, comprising a stationary die member, a movable punch member, forming arbors, resistance means yieldably holding said arbors in normal position between said die member and punch member for receiving an embryo link, said punch member upon movement cooperating with said arbors to partially form the link loops against the pressure of said resistance means and to then carry said arbors into engagement with said stationary die member for final forming of the link loops, a spacer element, and means resiliently mounting said spacer element on said stationary die member for engaging between said cartridge receiving loops to hold them spaced apart a required distance and movable with said arbors during the final formation thereof around said arbors.

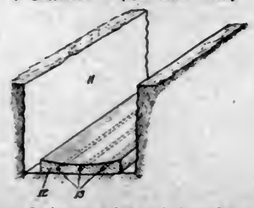
2,355,965
REAMER
Stanton Frishette, Detroit, Mich.
Application July 21, 1943, Serial No. 495,794
3 Claims. (Cl. 77—75)

1. A reamer having a circular body, a plurality of consecutive teeth along a part of its periphery, a plurality of sliding guides in place of teeth along the rest of said periphery, a longitudinal slot in the body of the reamer and disposed transversely under said teeth, and screw means



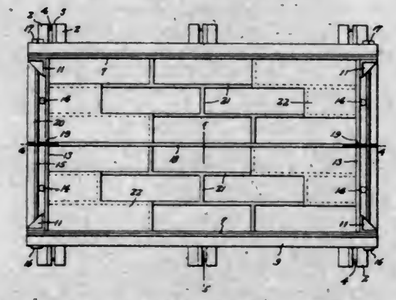
to expand outwardly the teeth supporting part of the reamer separated from the main part of the body by said slot.

2,355,966
UNDERGROUND INSULATED PIPE SYSTEM
David C. Goff, Omaha, Nebr., assignor, by mesne assignments, to Universal Zonolite Insulation Company, Chicago, Ill., a corporation of Montana
Application May 20, 1942, Serial No. 443,782
7 Claims. (Cl. 138—48)



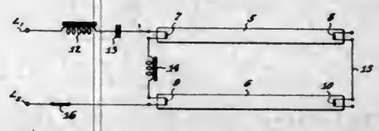
1. In an underground heat-insulated pipe-system including a base and heat-insulated, fluid-conductive, expandible and contractible pipe-means supported by said base and having expansion-and-contraction compensation-means at intervals along the length of the system, the novel combination of improvements of said base being of structural-concrete and said heat-insulation of said pipe-means being heat-insulating concrete completely and solidly enclosing and supporting said pipe-means solely on said concrete-base and constituting a monolithic embedment for said pipe-means from each said compensation-means to the next, said insulating-concrete weighing less than 50 pounds per cubic-foot, said pipe-system being capable of conveying fluid with a heat-differential of at least 150° F. without injury to the system.

2,355,967
CONCRETE BLOCK MOLD
Marion E. Greenwalt, Elvins, Mo.
Application October 29, 1943, Serial No. 508,125
4 Claims. (Cl. 25—121)



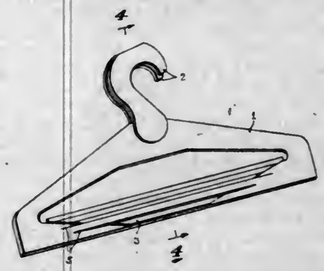
1. A mold comprising a base, a bottom plate mounted on said base, a lining removably mounted on the bottom plate, said lining and bottom plate having registering openings therein, end walls removably mounted on the lining, stakes on the end walls engaged in the openings, side walls hingedly mounted on the base, and means for securing said side walls against the ends of the end walls.

2,355,968
STARTING CIRCUIT FOR FLUORESCENT LAMPS
Daniel S. Gustin, Bloomfield, and Nelson H. Bryant, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1942, Serial No. 447,646
5 Claims. (Cl. 315—96)



1. In combination, a source of electrical energy, a pair of gaseous discharge lamps having a starting voltage higher than the voltage of said source and each provided with at least one filamentary electrode, means to connect only one filamentary electrode of each lamp in a series heating circuit which is in electrical shunt with the discharge circuit for said lamps comprising an impedance disposed between one of said filamentary electrodes for one of said lamps and the source of supply and a second impedance interconnecting said one filamentary electrode of each lamp and subject to a voltage drop thereacross of sufficient magnitude to initiate a discharge in both said lamps, and means independent of said heating circuit for the said one filamentary electrode for each lamp and connecting the remaining electrode of each lamp together to complete a series connected discharge circuit for said pair of lamps.

2,355,969
GARMENT HANGER
Robert Gustin, Boston, Mass.
Application February 18, 1943, Serial No. 476,282
3 Claims. (Cl. 223—87)



1. A garment hanger comprising a body of sheet material provided with a centrally located opening having a straight longitudinal base line and a supporting member consisting of two plies of sheet material whose lower ends are secured to the opposite faces of the upper portion of the body of sheet material and whose upper ends are united along a line substantially parallel with the straight longitudinal base line of the centrally located opening in the body of sheet material.

2,355,970
PROCESS FOR ACYLATION
Virgil L. Hansley, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application April 19, 1941, Serial No. 389,359. Divided and this application August 20, 1943, Serial No. 499,381
6 Claims. (Cl. 260—491)

1. The process for the acylation of methyl lactate which comprises reacting a vinyl ester with methyl lactate in the presence of a tertiary amine of suitable alkalinity and maintaining the pH of the reaction mixture above 7.0 by means of said tertiary amine.

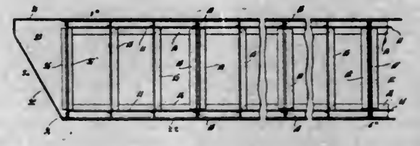
2,355,971
PROCESS FOR ACYLATION
Virgil L. Hansley, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application April 19, 1941, Serial No. 389,360. Divided and this application August 20, 1943, Serial No. 499,382
9 Claims. (Cl. 260—491)

1. The process for the acylation of methyl lactate which comprises reacting a vinyl ester with methyl lactate in the presence of a compound selected from the group consisting of alkali metal cyanides, silicates, carbonates, and tetraborates, and maintaining the pH of the reaction mixture above 7.0 by means of said compound.

2,355,972
PROCESS FOR TREATING 2-HYDROXY-1-DITHIONAPHTHOIC ACID AND PRODUCT RESULTING THEREFROM
Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application August 29, 1941, Serial No. 408,758
5 Claims. (Cl. 260—333)

1. A process which comprises removing one mol of hydrogen sulfide from one mol of 2-hydroxy-1-dithionaphthoic acid.

2,355,973
BARGE
Frederic R. Harris, New York, N. Y.
Application May 5, 1943, Serial No. 485,705
15 Claims. (Cl. 114—26)

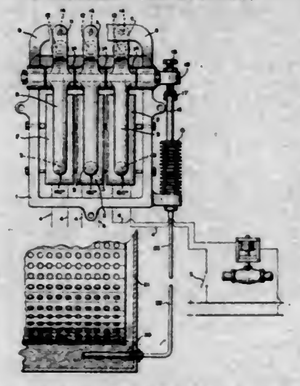


1. A barge having frame members extending lengthwise thereof, bow and stern sections having vertical ribs therein, angle bars along the edges of said ribs and at the ends of said members for securing said ribs and members together, transverse frame members, side sections having vertical ribs, and angle bars at the edges of said ribs in the side sections and the ends of said transverse members for bolting the side sections in place.

2,355,974
INSECTICIDAL COMPOSITION
Edward Harvill, Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc., a corporation of New York
No Drawing. Application July 20, 1940, Serial No. 346,558
2 Claims. (Cl. 167—24)

1. An insecticidal composition comprising a toxic compound selected from the group consisting of monohydric phenols and polyhydric phenols, said phenolic compound having at least one phenolic group free and at least one hydrogen of the benzene ring replaced by at least one radical selected from the group consisting of allyl and propenyl, and a petroleum distillate solution of an insecticidal material selected from the group consisting of pyrethrum and rotenone-bearing plants.

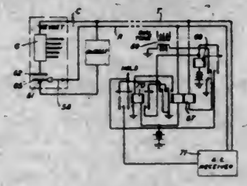
2,355,975
LIQUID TEMPERATURE CONTROL UNIT
Fritz W. A. Henrici, Milton, Mass., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application March 3, 1942, Serial No. 433,185
6 Claims. (Cl. 200—83)



1. A control unit for controlling the predetermined condition of a liquid in a receptacle, said unit including a frame, a series of normally-open switches carried by the frame, each switch being connected in a conditioning means control circuit having a selectively closable switch therein, a pressure operated prime mover carried by the frame and operable different distances under different degrees of pressure, means connecting it to the receptacle and sensitive to changes in condition in the receptacle and operating to vary the pressure in the prime mover as the condition varies, the normally open switches being arranged to be closed by different movements of the prime mover and including adjustable means for varying the distance required of the prime mover to close the same, and means for transferring the movement of the prime mover under various degrees of pressure to said normally open switches.

2,355,976
TELEPHONE CALL TRANSMITTER
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 26, 1942, Serial No. 470,247
8 Claims. (Cl. 179—90)

1. In a telephone system, a subscriber's line and a substation on said line comprising a telephone subset, a key-controlled multifrequency current generator, and a transfer switch operable in response to the depression of any key to first disconnect said subset from said line, to

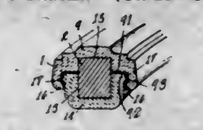


thereafter connect said generator to said line for a predetermined interval regardless of the length of time the key is held depressed and to then reconnect said subset to said line.

2,355,977
SEALING COMPOSITION
Hugh E. Hughes, Berkeley, Calif.
No Drawing. Application June 3, 1942, Serial No. 445,650
3 Claims. (Cl. 106—33)

1. A sealing composition made up of the following ingredients: ten to twenty pounds of ground wood; approximately thirty pounds of fuller's earth; approximately seven and one-half pounds each of bentonite and asbestos floats; and approximately nine pints of a glucose and water mixture in which there is about 60% glucose.

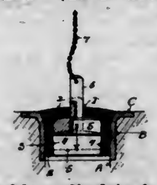
2,355,978
DOOR HANDLE OR THE LIKE
Isaac S. Keeler, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application May 29, 1941, Serial No. 395,723
6 Claims. (Cl. 18—59)



1. In a handle, the combination of a longitudinally curved handle bar of rectangular section having spindle engaging means at its inner end and recesses on its outer and inner edges adjacent the tip thereof, an outer casing member formed of plastic material and being of internally shouldered channel cross section fittingly receiving the outer edge of said handle bar with the internal shoulders facing inwardly at each side thereof, the sides of said outer casing member being springable and terminating in inturned ribs extending throughout the length and across the tip thereof, said outer casing member having a lug engaging said recess in the outer edge of said handle bar, and an inner casing member formed of plastic material and being of channel section fittingly receiving the inner edge of said handle bar and projecting into said outer casing member with its edges in abutting relation with the shoulders thereof and having external ribs on its sides and outer end with which the said internal ribs of said outer casing member have springing engagement, said inner casing member having a lug engaging said recess in the inner edge of said handle bar.

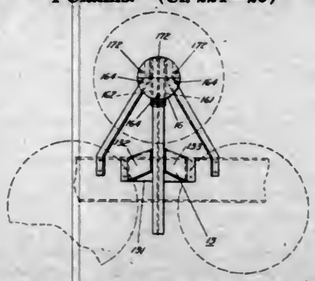
6. The method of making handles and the like comprising the steps of molding inner and outer members of plastic material conformed for telescoping assembly engagement and provided with coengaging retaining ribs, one of the members being springable permitting snap engagement of the said ribs when the members are telescopingly assembled, applying a solvent to parts constituting contacting interior parts of the assembly, and telescoping the parts to engage said ribs, the parts being retained by such engagement during the joint forming fusing action of the solvent.

2,355,979
DRAIN PLUG
John Keyzer, West Allis, Wis.
Application August 19, 1943, Serial No. 499,171
1 Claim. (Cl. 4—295)



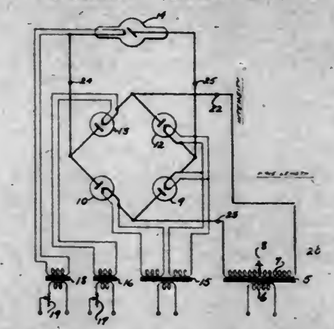
In a non-yieldable cylindrical drain opening flared at its mouth and merged into parallel cylindrical walls of said drain opening, a stopper therefor for comprising a flexible cap-shell having a centrally apertured head portion, the exterior walls of which are flared to seat in the drain opening mouth and extending downwardly to form a cylindrical apron corresponding to the cylindrical drain opening portion, the said apron being provided with a cavity having side walls tapered downwardly and inwardly to the bottom of the apron cavity, a plunger reciprocatively mounted in the apron cavity having tapered walls corresponding to the tapered cavity walls, the plunger having a thickness materially less than the length of the apron and an actuating stem extending from the plunger through the head opening.

2,355,980
SPARE WHEEL CARRIER
James F. Kosky and Robert F. Plumb, Cedar Rapids, Iowa, assignors to Iowa Manufacturing Company, Cedar Rapids, Iowa, a corporation of Iowa
Application July 3, 1942, Serial No. 449,654
4 Claims. (Cl. 224—29)



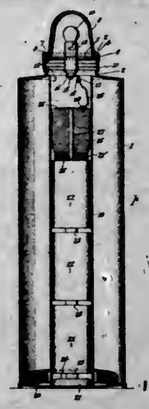
1. In a device of the character described, a divided hub engaging member comprising a lower slide to which the lower portion of a vehicle wheel hub may be bolted, an upper stationary member to which the upper portion of the wheel hub may be bolted for locking it into place, the members making use of the locking means ordinarily used for locking the wheel in place on the axles of the vehicle.

2,355,981
X-RAY SYSTEM FOR VARYING INTENSITY X-RAY BEAMS
Joseph Lempert, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1942, Serial No. 455,319
5 Claims. (Cl. 250—100)



1. An X-ray system for varying the quality of a generated beam of X-rays comprising an X-ray tube, a source of alternating current electrical energy for energizing said tube, rectifying valve tubes for converting the alternating current into unidirectional current prior to its transmission to said X-ray tube, and means electrically associated with at least one of said valve tubes and operable to cause a variation in the magnitude of the potential passed by the latter during one half wave of the alternating current cycle from the magnitude of the potential passed by the other of said valve tubes during the remaining half wave of the cycle to cause an increase in the ratio of long wavelength X-radiations to the short wavelength X-radiations generated by said X-ray tube in order to produce a radiograph of optimum contrast.

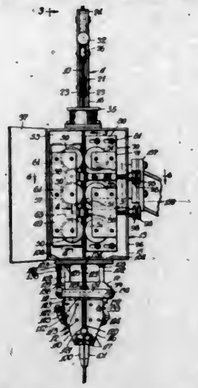
2,355,982
ELECTRIC WATER LIGHT
Charles Linhardt, Jr., Baltimore, Md.
Application February 20, 1943, Serial No. 476,580
5 Claims. (Cl. 9—8.3)



1. A portable light for free floating in the water, including a casing, a dome overlying the casing, a reflector at the upper end of the casing, removable means for securing the dome, reflector

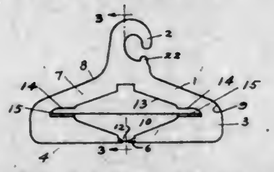
and casing together to seal the interior of the casing, a light socket secured to and depending below the reflector and adapted to receive a light bulb, a battery guide extending longitudinally in and spaced from the casing, a battery contact at the lower end of the guide and having electrical connection with the casing, said guide serving to slidably receive one or more conventional batteries, a weighted battery follower slidably fitting in said guide, and means carried by said follower to electrically connect one side of the battery circuit to an appropriate contact of the light socket, the other side of the battery circuit being connected to the remaining contact of the lamp socket through the casing and reflector.

2,355,983
ELECTRIC WELDING MACHINE
Russell E. Long, Western Springs, Ill., assignor to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application January 23, 1943, Serial No. 473,329
10 Claims. (Cl. 314—129)



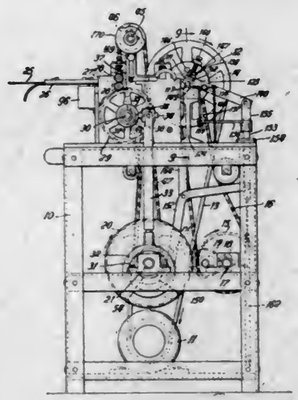
1. An electric welding apparatus having a pair of contact members on opposite sides of the path of travel of the electrode rod for holding said rod therebetween, guiding the latter and supplying current thereto, resilient means acting on one of said contact members adjacent to one end thereof for resiliently pressing it toward the other contact member, and separate resilient means acting on said first mentioned member adjacent to the opposite end thereof for resiliently pressing it toward the other contact member.

2,355,984
COAT HANGER
Elmer H. Lupton, Ilchester, Md.
Application August 28, 1942, Serial No. 456,553
1 Claim. (Cl. 223—87)



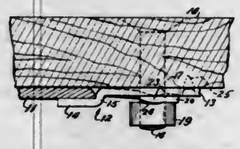
A coat and pants hanger of the class described comprising in combination, a single blank of relatively thin flat material cut peripherally into a contour having a straight bottom edge with a relatively small polygonal slot opening out and disposed at the middle thereof with sides directed inwardly to restrict the opening, the said edge being arranged to be horizontally disposed and long enough for the use of a coat, the side edges of the blank being perpendicular to the bottom edge and relatively short with inwardly directed upper edges in the same plane towards a hook formed in an apexed position thereon, of the same blank, the middle central portion of the whole blank being cut along converging lines to make an opening across the blank and to provide a hinged flap of the material of the blank arranged for bending over with its apexed portion rectangular in form and insertable in said slot for locking and resting therein, the hinged portion being bent horizontally out from the blank arranged to form a ledge for resting pants inserted through the said opening, the opening being formed to provide a restricted rectangular slot in its apexed portion and restricted relatively small horizontal slots at the bottom corners thereof for holding the sides of the pants placed therein tightly, the hook portion being formed in the same plane and positioned above the middle of the blank and formed with its hook cut to a form and rounded over to point downwardly and provide an internal spacing in the hook adapted for hanging on a nail or the like, said last mentioned spacing having an entrance directly under the pointing down portion of the hook and restricted by a relatively small hump rising closely to the hook so as to form therewith a restricted passage to the said spacing.

2,355,985
DRY CELL APPARATUS
Allison M. MacFarland, Freeport, Ill., assignor to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application February 25, 1942, Serial No. 432,289
7 Claims. (Cl. 93—81)



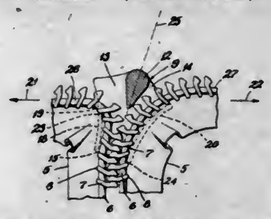
1. Apparatus for forming multiple-layer cylinders from thin sheet material which comprises a base, a pair of cooperating feed rolls supported on said base and adapted to feed thin sheet material therebetween, means for imparting intermittent forward feeding motion to said feed rolls, a reciprocating knife supported by said base and adapted to sever the forward section of said sheet material during a pause in the forward feed motion of said feed rolls, a second pair of cooperating rotating feed rolls supported by said base on opposite sides of and normally out of pressure engagement with said severed section of sheet material, a third pair of continuously operating feed rolls located forwardly of the forward end of said severed section, means for bringing said second pair of feed rolls into pressure engagement with opposite sides of said severed section at predetermined times, whereby said sections are moved into operative engagement with said third pair of feed rolls in spaced succession, a rotating adhesive supply roll and a cooperating rotating pressure roll positioned on opposite sides of said sheet section respectively in advance of said third pair of feed rolls, said supply and pressure rolls being normally out of contact with said sheet section, means for moving said pressure roll to bring said sheet section into pressure engagement with said supply roll at predetermined times in the advance movement of said sheet section, a mandril mounted for rotation and longitudinal reciprocation on said base and being located in advance of said supply roll, means for rotating said mandril, a plurality of rotating bending rolls and a pressure shoe in cooperative relation with said mandril at progressive points about the circumference of said mandril and adapted to wind said advancing sheet section about said mandril into the form of a multiple-layer cylinder and press the superposed layers of said cylinder together, means for moving said bending rolls and pressure shoe into and out of pressure engagement with said mandril in synchronism with the advance of said sheet material, means for reciprocating said mandril longitudinally back and fourth after the formation of said cylinder thereon, a stationary collar member surrounding said mandril for stripping said cylinder from said mandril during said reciprocation of said mandril.

2,355,986
FLOOR CLIP
John A. MacLean, Jr., Winnetka, Norris F. McNaught, River Forest, and Ernest G. Doke, Evanston, Ill., assignors to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois
Application July 20, 1942, Serial No. 451,668
6 Claims. (Cl. 189—35)



1. A floor clip comprising a body of resilient metal having a bolt aperture therethrough, a portion of the body spaced substantially from the bolt aperture being offset relative to the apertured portion of the body and being joined therewith by an integral offsetting bend, and a tensioning tongue severed from the body of the clip adjacent to the bolt aperture in the form of an elongated resilient lever having its base integral with the clip adjacent to said offsetting bend and adapted to bear resiliently against the thrust face of the nut of a fastening bolt driven toward the clip body, said resilient tongue being adapted to extend entirely across the thrust face of the nut with the free end of the tongue extending beyond and engaging with the contiguous edge of the nut to resist unintentional loosening rotation of the nut.

2,355,987
SEPARABLE FASTENER SLIDER LOCK
Davis Marinsky and Louis H. Morin, Bronx, N. Y.
Application April 25, 1942. Serial No. 440,448
7 Claims. (Cl. 24—205.5)

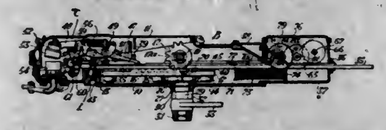


4. A slider for separable fasteners having series of fastening links mounted on stringers, of the type having a pair of flared walls having side edge portions, wide end portions and narrow end portions, said walls being joined by a web and having a pair of inturned flanges depending from said walls at each side thereof, said walls, web and flanges defining a pair of converging channels, the improvement which comprises a pair of inturned flanges, partly defining one of said channels, depending from said walls at one side thereof and extending throughout the entire length of said channel from the narrow end to the wide end and terminating in lower edges at the narrow end of the slider and upper edges at the wide end of the slider; a pair of flanges depending from said walls at the other side thereof, said flanges extending from the narrow end of the slider and terminating short of the wide end, said first and second named pairs of flanges cooperating upon lateral spreading of the stringers to tilt the slider and lock the same against movement in one direction on the stringers by engagement of a lower edge of the first named flanges with a fastening link.

2,355,988
WELD ROD COVERING
David L. Mathias, East Orange, N. J., assignor to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 10, 1943, Serial No. 513,721
8 Claims. (Cl. 219—8)

1. A covering for an arc welding electrode comprising about 5 per cent to about 30 per cent carbohydrate and about 2 per cent to about 15 per cent brucite by weight.

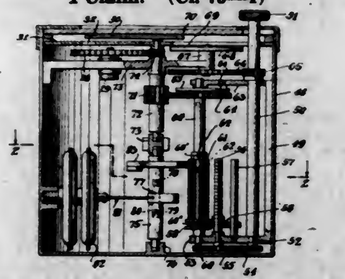
2,355,989
SLOW RELEASE LOCK FOR RAILWAY SWITCHES
Kenneth J. J. McGowan, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 30, 1942, Serial No. 463,867
12 Claims. (Cl. 246—161)



4. In combination, a railway switch, means including a hand throw lever for operating said switch between its two extreme positions and for locking it in one extreme position, a circuit controller responsive to the position of said switch,

an auxiliary lever, means controlled by said auxiliary lever for operating said circuit controller, and means controlled by said auxiliary lever for at times preventing operation of said hand throw lever away from the position in which said switch is locked.

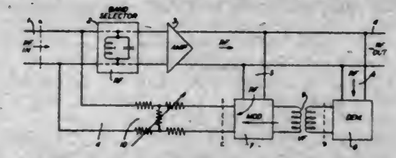
2,355,990
ALTIMETER
Anton Menzer, Brooklyn, N. Y., assignor of one-half to Adolf Fischer, Brooklyn, N. Y.
Application April 30, 1941, Serial No. 391,135
1 Claim. (Cl. 73—4)



A settable altimeter comprising a casing, a frame in said casing having upper and lower branch arms, a spindle extending from outside the casing and journaled in said branch arms, a hand knob on the spindle outside the casing, a train of gears operatively connected to the spindle adjacent the lower branch arm, a shaft having a spiral groove journaled in said upper and lower branch arms, a pinion slidable on said shaft, a collar having a groove on said pinion, pins on said pinion engaging said spiral groove for travel therealong, a threaded rod journaled in the lower branch arm and rotatable by said train of gears, a flanged nut on said rod engaging with its flange the groove of said collar to elevate and lower said pinion during rotation of said threaded rod, a guide rod secured to the lower branch arm and extending through an opening in the flange of said nut for preventing the nut from rotating when the threaded rod is rotated by the spindle through said train of gears, a gear secured to the spirally grooved shaft near its upper end, an indicator shaft mounted in said casing carrying a gear in mesh with the gear on said spirally grooved shaft, a pointer carried by the indicator shaft, a graduated main dial over which said pointer is movable, an aneroid diaphragm mounted in said casing, motion transmission mechanism operatively connecting said aneroid diaphragm and said pinion to rotate the latter, said main dial having an opening therein, a dial bearing barometric graduations back of said main dial and visible through said opening carried by a stub shaft mounted in said casing, a gear on said stub shaft, a gear on said spindle in mesh with the gear on the stub shaft whereby the dial bearing barometric graduations will indicate through the opening in the main dial the barometric pressure for which the altimeter is set.

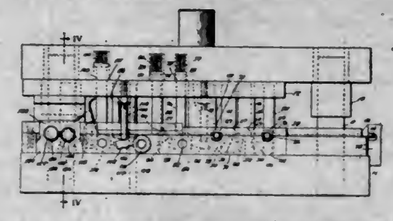
2,355,991
STABILIZED NONLINEAR FEEDBACK SYSTEM
Stanley T. Meyers, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 16, 1942, Serial No. 443,227
5 Claims. (Cl. 178—44)

1. A wave translating system comprising an amplifier having a negative feedback circuit including a non-linear modulator with means for balancing the modulator to prevent direct transmission through said feedback circuit and a frequency selective input circuit for said amplifier connected to receive modulation products of said



modulator, said system further comprising a non-linear demodulator external to said feedback circuit, means for feeding the demodulator with amplified waves from the amplifier, and means for feeding the modulator with demodulation products of the demodulator.

2,355,992
CARTRIDGE BELT LINK MANUFACTURE
Petter Moinichen, Chicago, Ill., assignor, by mesne assignments, to the United States Government, as represented by the Secretary of War and his successors in office
Application July 2, 1942, Serial No. 449,535
3 Claims. (Cl. 59—6)



3. In a progressive die comprising a stationary die member, a movable die member co-operating therewith to provide a series of cutting and shaping devices and a feeder for supplying to the die a continuous strip in successive uniform lengths for formation of an ammunition belt link of the class described from a continuous strip of metal of width substantially corresponding to the width of the link and with a minimum of waste, a punch constructed to form a hole in the strip shaped and located to define in the strip the end of a single strip member of a link blank which is to be bent to form a single ring of a belt link, said punch also forming the inner edges of the shoulder of an adjacent link blank, a shear to cut the strip on lines defining a portion of the inner edges of parallel strip members of a link blank which are to be bent to form paired coaxial cartridge-receiving rings, and to form the ends of these parallel strip members, said lines defining a portion of the outer edge of a single strip member of a link blank, leaving a connecting portion between the parallel strip members of one link blank and the single strip member of an adjacent link blank, a shear to cut the strip to form shoulders and neck portion of a link blank, forming members movable with the movable portion of the die and separately actuated members co-operating with said forming members to bend up the ends of the single and parallel strip members, a shear to cut the connecting portion between the single strip member of a blank and the parallel strip members of an adjacent blank, and means for bending the link blank to form the parallel strip members into coaxial rings and the single strip member into a single ring.

2,355,993
LOW TEMPERATURE LUBRICANTS
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application September 16, 1942, Serial No. 458,564
16 Claims. (Cl. 252—59)

1. A lubricant for metallic bearing surfaces having viscosity characteristics adapted to provide effective lubrication at extremely low temperatures as well as at temperatures above normal atmospheric temperature, consisting essentially of a monopropyl benzene and a small proportion of an extreme pressure agent adapted to impart extreme pressure properties to the lubricant.

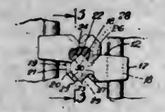
2,355,994
WATER-SOLUBLE CUTTING COMPOUND AND METHOD OF MANUFACTURE
John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application April 22, 1941, Serial No. 389,760
12 Claims. (Cl. 252—33)

1. The method of making a compound for use in cutting metals, which comprises treating a heavy petroleum oil with chlorine in the presence of an active adsorbent catalyst and a reactive inorganic halide at a temperature of from 300° to 350° F. to convert a substantial proportion of the oil into an intermediate reaction product, treating the said product with chlorosulfonic acid for a substantial period of time and thereby producing a tar-like viscous mass as an upper layer, dissolving the tar-like mass in water and neutralizing the resulting solution with a water soluble alkali using Congo red as an indicator.

2,355,995
WATER-SOLUBLE CUTTING COMPOSITION
John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application March 9, 1942, Serial No. 433,938
11 Claims. (Cl. 252—48)

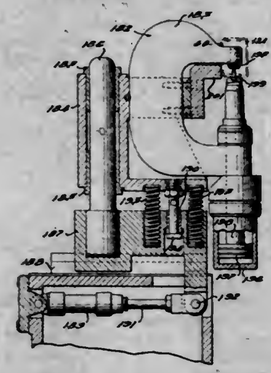
1. A metal cutting base composition comprising approximately 83.75% of a water-soluble product including chlorinated, phosphorized and sulfonated mineral oil, approximately 12% of a normally water-insoluble oil product including a chlorinated, phosphorized and sulfonated mineral oil, 3% of diglycol laurate, 1% of oleic acid, and approximately 0.25% of a water soluble organic amine.

2,355,996
OFFSET DOUBLE-ACTING SCOOP
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application December 3, 1942, Serial No. 467,678
14 Claims. (Cl. 24—205)



13. In separable fasteners employing stringers, said stringers having scoops spaced along one edge thereof, each scoop having a mounting end portion engaging the tape of the stringer, a coupling end portion projecting beyond the tape edge, said coupling end portion being divided into offset side coupling sections, both sections having at each opposed edge thereof alined projections and recesses, the projections and recesses of one section being offset longitudinally with respect to those of the companion section, and the offsetting of the projections and recesses on the side sections of the scoops providing in the resulting interlocked scoops of said stringers and overlapping of the coupling intersections between the scoops to substantially seal the space occupied by the interengaged coupling portions of the scoops of the stringers.

2,355,997
FRAME RIVETING MACHINE
Otto Mueller, Dearborn, and Harry G. Scholts, Wyandotte, Mich., assignors to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application November 28, 1939, Serial No. 306,542
16 Claims. (Cl. 78—49)

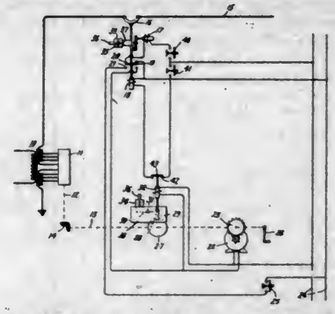


1. Mechanism for riveting box section structures embodying telescoped channel elements oppositely presenting, including, in combination, clamping means for said structure, positioning means for spacing the elements relative to each other, a riveting device having relatively movable aligned riveting heads, supports for said riveting device which moves the device to have a head thereof inserted through an aperture in said structure in alignment with a rivet, and a control system connected therewith and operated thereby to produce sequential operation of said positioning means, riveting devices and the supports therefor.

2,355,998
SAFETY SYSTEM
Arthur Palme, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 13, 1942, Serial No. 446,960
6 Claims. (Cl. 171—119)

1. An interlocking arrangement between a tap changing mechanism for a transformer and a circuit interrupter controlling the energization of the transformer comprising a motor for operating said mechanism, locking means for preventing said mechanism from being operated, means for automatically releasing said locking means while said mechanism is being operated by

said motor, and manually operable releasing means for said locking means controlled by the



position of said circuit interrupter so that said manually operable means can be operated only while said circuit interrupter is in its open position.

2,355,999

PROCESS FOR DECORTICATING RAMIE AND OTHER BAST FIBERS

David E. Patterson, Philadelphia, Pa., assignor to Bast Fiber Development Corporation, New York, N. Y., a corporation of New York

Original application February 20, 1941, Serial No. 379,834. Divided and this application July 23, 1941, Serial No. 403,597

2 Claims. (Cl. 19—6)



2. The process of removing ramie fiber from its stalk, which consists in breaking both the outer bark and the inner woody layer of alternate lengthwise sections of a stalk longitudinally and breaking similar portions of intervening sections transversely, repeating the operation throughout the length of the stalk, removing the foliage in the direction of growth away from the butt end of the stalk, and then separating the fiber from the bark and wood by means of abrasion.

2,356,000

FIBER SEPARATING MACHINE (RAMIE)

David E. Patterson, Philadelphia, Pa., assignor to Bast Fiber Development Corporation, New York, N. Y., a corporation of New York

Application February 20, 1941, Serial No. 379,834

1 Claim. (Cl. 19—31)



A machine for separating ramie fiber from its stalk, comprising a pair of cooperating rotatable dissimilar breakers, each of which comprises circumferentially arranged alternate ridges and grooves characterized by relatively sharp angular portions, the adjacent surfaces of which mesh in substantially uniform spaced relation, the angular portions of the ridges of one breaker nesting within the angular portions of the respective grooves of the other breaker, the ridges of the first breaker tapering outwardly and having convex outer surfaces, the grooves of the other breaker tapering inwardly and having convex inner surfaces, and the intermediate portions of said last-mentioned breaker increasing in width outwardly and having convex outer surfaces between the ridges of said first breaker, the cooperating portions of the surfaces of said breakers being of a substantially uniform distance apart as they revolve.

2,356,001

CONVERSION OF HYDROCARBONS

Herman Pines and Vladimir N. Ipatieff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 20, 1942, Serial No. 455,508

16 Claims. (Cl. 260—666)

6. A process for producing substantial yields of alkyl substituted cyclohexanes from alkyl cyclopentanes which comprises reacting an alkyl cyclopentane with an olefin hydrocarbon in the presence of an acid of phosphorus at a temperature between about 100° C. and about 400° C.

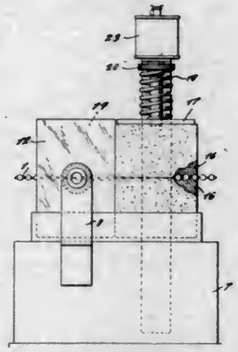
2,356,002

TREATMENT OF PLASTIC BEAD CHAINS AND THE LIKE

Richard G. Plumley, Glenbrook, Conn., and Frederick E. Lohse, Barrington, R. I., assignors to Crown Fastener Corporation, Warren, R. I., a corporation of Delaware

Application November 8, 1941, Serial No. 418,428

2 Claims. (Cl. 18—48)



1. The method of removing irregularities from the surfaces of a series of normally hard bodies mounted on a strand, said bodies being susceptible to softening by the action of a solvent, which process comprises moving said bodies in frictional and pressure engagement with opposed absorbent, resilient, solvent-carrying applicator elements, while pressing said opposed applicator elements into contact with pairs of oppositely disposed surfaces of said bodies, which pairs of surfaces are arranged about the periphery of said bodies.

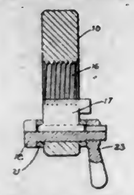
2,356,003

GAUGING DEVICE AND METHOD

Louis F. Polk, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio

Application October 26, 1942, Serial No. 463,415

10 Claims. (Cl. 33—199)



1. In the method of testing an internal thread of a threaded part, the steps comprising cutting the thread on the part and cutting serrations corresponding to the thread form on a separate strip of material temporarily held in fixed association with the threaded part, by means of the same threading tool and with the same machine setup.

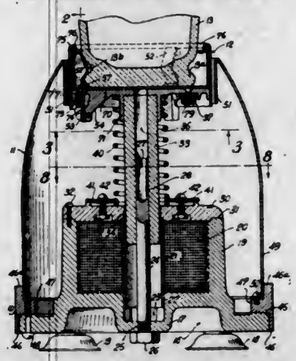
2,356,004

SHAKER

Duane W. Price, Chicago, Ill., assignor to Walter C. Hoy, Chicago, Ill.

Application October 5, 1942, Serial No. 460,806

4 Claims. (Cl. 259—144)



1. In a device of the class described, seating means for a mixing container comprising a cup adapted for attachment to reciprocating means, spring gripping fingers attached to said cup on the underside thereof and projecting up through the bottom of the cup in mutually spaced relation for gripping engagement with complementary gripping means on said container, and a moisture impervious liner in said cup and having collar portions intimately engaging said fingers and sealing off the same against passage of moisture from the upper to the underside of the cup around said fingers.

2,356,005

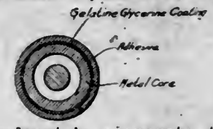
METHOD OF ADHERING GELATINE COATINGS TO METAL

Glen F. Roquemore, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application November 3, 1942, Serial No. 464,425

4 Claims. (Cl. 117—75)

4. The method of bonding a gelatine-glycerine composition to a structural metal which comprises applying to the metal a solution of an air-curing adhesive containing an organic diisocyanate and a material selected from the group consisting of Buna N, Buna S, and rubber, allowing the solvent to evaporate, then applying the gelatine-glycerine composition and allowing the adhesive to cure while the gelatine-glycerine composition is gelling.



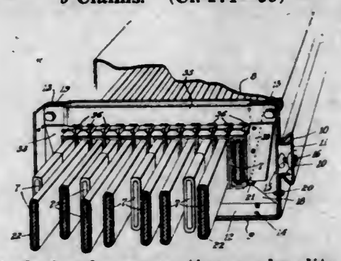
2,356,006

BUS BAR SUPPORTING CLAMP

Henry A. Samer, Ludlow, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application April 13, 1943, Serial No. 482,858

9 Claims. (Cl. 174—99)



8. A device for supporting a plurality of bus bars in spaced relationship in a bus duct including a frame having bottom and side walls, an upstanding flange on the bottom wall, a flat support on the upper edge of the flange, a plurality of insulating telescoping sectional sleeve members on said support side by side for receiving bus bars, wedge members coacting with said side walls for forcing the sleeve sections toward each other and for clamping the bus bars therebetween and a bar connecting the top of said side walls and positioned transversely of the top of the sleeve members for securing the wedges and sleeve members in position.

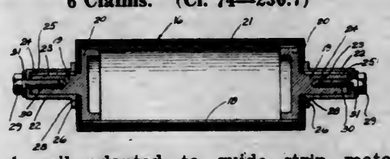
2,356,007

ACID-RESISTANT ROLL

Edmond W. Sanders, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

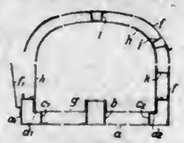
Application July 30, 1942, Serial No. 452,944

6 Claims. (Cl. 74—230.7)



1. A roll adapted to guide strip material through a liquid bath comprising a substantially tubular body, spindles extending from the ends of the body, each of said spindles having a flange on one end for securement to the tubular body, a rubber covering for said tubular body, said rubber covering extending over the ends of the body and embracing the spindles with its terminating edges, acid-resisting sleeves attached to said spindles, and acid-resisting clamping means to clamp the terminating edges of the rubber covering against the ends of the roll body.

2,356,008
VEHICLE BODY
Kurt Schäfer, Berlin-Eichkamp, Germany, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa.
Application November 15, 1940, Serial No. 365,755
In Germany December 13, 1939
2 Claims. (Cl. 296—31)



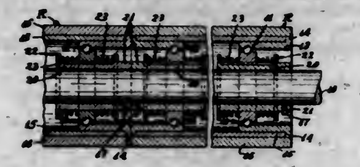
1. In a passenger vehicle body such as an automobile body, a wall comprising an outer panel and an inner panel spaced from each other, said outer panel consisting entirely of sheet metal, said inner panel consisting entirely of synthetic structural material of poor thermal conductivity, the material of said inner panel being such as to adapt it to perform load carrying functions and the construction of the body being such that the sheet metal panel and the panel of synthetic material constitute together main load carrying elements of the body.

2,356,009
PROCESS FOR MANUFACTURING HARD METAL COMPOSITIONS
Paul Schwarzkopf, Yonkers, N. Y., assignor to American Cutting Alloys, Inc., Yonkers, N. Y., a corporation of Delaware
No Drawing. Application August 2, 1941, Serial No. 405,247. In Germany May 16, 1929
2 Claims. (Cl. 75—137)

1. In a process of manufacturing a hard composition substantially by preparing hard and refractory carbide crystal structures containing atoms of carbon in addition to atoms of tungsten and titanium, substantial amounts of which homogeneously contain, in solid solution, atoms of tungsten and titanium in addition to carbon atoms to form carbide therewith, powdering and intimately admixing the carbide crystal structures with powdery auxiliary metal essentially selected from the group consisting of nickel and cobalt in amounts from about 3% to about 22%, shaping under pressure and finally sintering the latter mixture at a temperature between about 1330° to about 1600° C.: the steps of preforming substantial amounts of said carbide crystal structures in solid solution by intimately admixing in finely divided state titanium carbide with tungsten and carbon sufficient to form carbide with said tungsten, and heating the mixture to a temperature ranging from about 1600° C. to about 2600° C. until said tungsten, carbon and titanium carbide are compounded substantially into said carbide crystal structures in solid solutions.

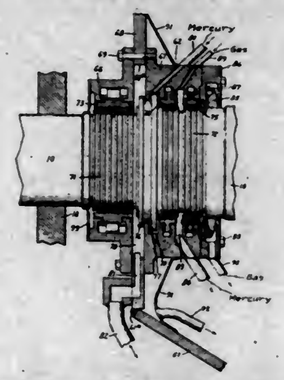
2,356,010
SECTIONAL INKING ROLLER FOR PRINTING PRESSES
Harry B. Seymour, Pearl River, N. Y.
Application October 31, 1942, Serial No. 464,010
6 Claims. (Cl. 101—348)

1. A sectional inking roller, comprising a rigid shaft, spaced bushings releasably clamped on said shaft, a bearing for each bushing having an inner race longitudinally slidably and non-rotatively mounted on said bushing and having outer races with outwardly projecting radial flanges on their outer edges, resilient means for holding said inner races centrally on said bushings, a rigid



tube mounted on the outer races of said bearings and between the flanges thereof, and inking roller composition material on the outside of each of said tubes.

2,356,011
PACKING ARRANGEMENT
Lucian A. Sheldon, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application April 2, 1940, Serial No. 327,381, now Patent No. 2,282,894, dated May 12, 1942. Divided and this application March 27, 1942, Serial No. 436,458
2 Claims. (Cl. 286—9)

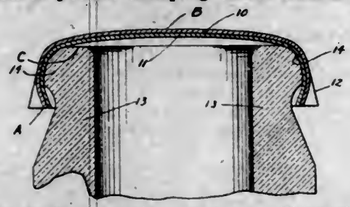


1. Packing arrangement comprising a rotary shaft having axially spaced grooved portions, an impeller on the shaft between the grooved portions, a packing casing having a groove into which the impeller projects, packing rings supported on the casing in cooperative relation with the grooved shaft portions, means for normally supplying liquid to the groove to form a liquid seal between the impeller and the casing, the packing casing forming an annular chamber, adjacent the groove, and means including a conduit connected to the chamber normally to drain liquid therefrom and during the starting period to supply liquid to the chamber the shaft having a smooth cylindrical surface between the chamber and said groove to facilitate the supply of liquid to the chamber during the starting period.

2,356,012
CROWN BOTTLE CAP
Robert P. Smith, Crawfordsville, Ind., assignor to The Hoosier Crown Corporation, Crawfordsville, Ind., a corporation of Indiana
Application August 13, 1941, Serial No. 406,581
1 Claim. (Cl. 215—39)

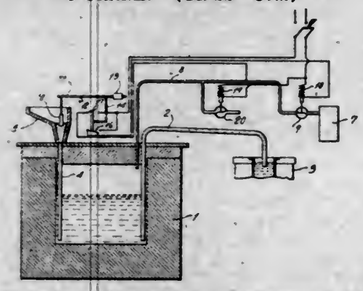
For sealing under gas pressure a frangible container having a substantially flat surface

around its mouth normal to its axis, and a curved surface extending outwardly, downwardly and inwardly from said flat surface, the combination with said container of a container mouth enclosing metallic crown having a major top area outwardly convex to have the periphery of that area be substantially below the plane of said flat surface, a skirt integrally extending downwardly from said periphery outwardly convex in its upper portion at least to engage over said container's curved surface, said skirt being corrugated to permit crimping under said inwardly



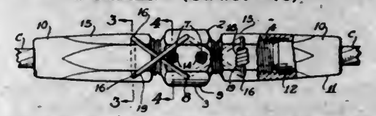
curved surface portion, and a resilient liner in said crown following the curvature of said major area and extending down said skirt at least far enough to engage said container outwardly curved portion, whereby said crown in its sealed condition on said container has said liner in sealing contact over said curved container surface, and substantially free of contact with said flat surface to leave a V-section clearance between said liner and said flat surface with the apex of said section substantially at the outer peripheral portion of the flat surface.

2,356,013
CONTINUOUS CASTING OF METALS
Henry W. Spooner, Short Hills, N. J., assignor to Irving Rossi, West Orange, N. J.
Application August 3, 1943, Serial No. 497,155
6 Claims. (Cl. 22—57.2)



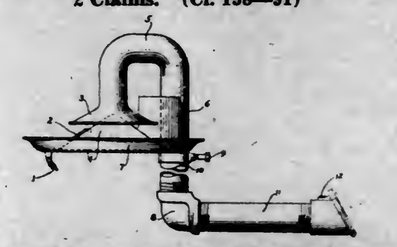
1. Apparatus for casting metals continuously, comprising, in combination, a casting mold, a reservoir for molten metal, a U-shaped tube for conveying molten metal from said reservoir to said mold, said tube having one end extending into the molten metal in said reservoir and the other end extending to said mold, a filling tube having one end extending into the molten metal in said reservoir and the other end extending vertically to a point above the level of the bend in said U-shaped tube, means to apply pneumatic pressure to the molten metal in said reservoir to cause the same to flow through said U-tube and to cause the same to rise in said filling tube, and means controlled by the level of the molten metal in said filling tube to vary the pneumatic pressure applied to the molten metal in the reservoir to maintain the flow of molten metal through said U-shaped tube at a substantially constant rate.

2,356,014
COUPLING FOR SPLICING CABLES
Raymond Stephen Wade, Inglewood, and Howard Jarvis Jones, West Los Angeles, Calif.
Application January 15, 1943, Serial No. 472,536
2 Claims. (Cl. 287—76)



1. A coupling for wires, rods or the like comprising a body block having a nipple at its end, said nipple having a tubular and longitudinal opening therewithin adapted to receive a wire, rod or the like, a tubular sleeve longitudinally and movably mounted over the nipple, clamping means within said sleeve, a plurality of through and relatively opposite openings in relatively opposite side walls of the coupling relatively far from its outer end and communicating with said longitudinal opening.

2,356,015
OIL BURNER
John T. Stone and William J. Schuerholz, Jr., Baltimore, Md.
Application April 15, 1942, Serial No. 439,118
2 Claims. (Cl. 158—91)



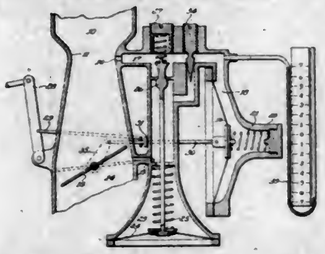
1. An oil burner of the class described comprising in combination a pan having a cone shaped central portion and a peripheral channel arranged to hold a supply of oil to be burned therein, a nipple attached to the bottom of the channel for conducting the oil thereto, a pipe for supplying air to the burner passing through the bottom of the pan and attached thereto with its portion above the pan bent into a goose-neck like form terminating over the said cone-shaped central portion and made funnel shaped so as to cover the cone but be spaced therefrom to allow air to pass down from the said pipe across the said central portion, and a V-like baffle plate attached to the bottom of the pan at one side of the central portion, the said baffle plate having its V-like sides straddling the gooseneck and extending up beyond the bottom of the funnel-shaped portion of the air pipe to keep the oil in the pan from contact with said air pipe.

2,356,016
METHODS OF COATING ARTICLES WITH GLASS
Gordon L. Strubler, Corning, N. Y.
No Drawing. Application October 8, 1941, Serial No. 414,154
8 Claims. (Cl. 117—104)

6. The method of coating articles with molten glass produced by heating glass particles in a heating zone, which includes increasing the radiant heat available for melting the glass particles by burning a finely divided combustible solid ma-

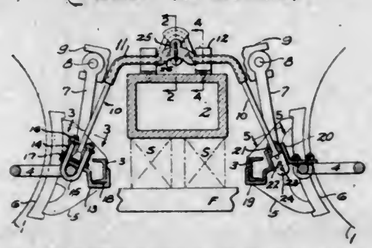
terial in the heating zone in the presence of the glass particles, and creating an alkaline atmosphere in the heating zone at the same time for retarding extraction of alkali from the glass particles by introducing a finely divided solid alkaline material into the heating zone.

2,356,017
GOVERNOR
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application March 25, 1944, Serial No. 528,112
3 Claims. (Cl. 123—103



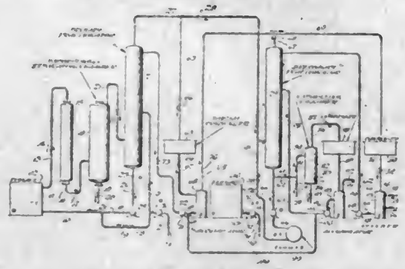
1. A governor for an internal combustion engine, having an air passage, a venturi therein, a throttle valve located between the venturi and the engine, a chamber, a moving wall therein connected to said throttle, spring means engaging with said wall and adapted to open said throttle, a restricted passage connecting the chamber with the said venturi, a second passage connecting the chamber with the air passage on the engine side of the throttle, a valve in said second passage, means including a second moving wall connected to said valve and responsive to the suction on the engine side of the throttle and adapted to open said valve whenever the throttle by closing creates a suction in the passage spring means adapted to oppose said movement, said valve being adapted as it continues to move in response to an increase in suction to restrict the second passage whereby the excessive suction existing in the air passage at idle is only partially transmitted to the chamber.

2,356,018
RAILWAY BRAKE GEAR SUPPORT
Harry M. Van Sweringen, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 5, 1942, Serial No. 445,891
6 Claims. (Cl. 188—210)



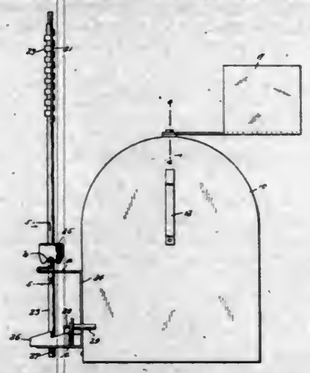
1. In a safety support for a railway truss type brake beam, an elongated flexible member having means at one end for connecting it to the brake beam and having means spaced from said end for coacting with a truck bolster to carry the member in the event of failure of the normal support for the beam, the means for connecting the member to the beam comprising a bracket arranged to extend between the compression and tension members of the beam and having an intermediate portion through which the end of the flexible member is slidable, there being pin and aperture elements in said member end and bracket portion for holding them in a selected one of desired assembly relations to vary the effective length of the support.

2,356,019
CONVERSION OF HYDROCARBON OILS
John W. Ward, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 24, 1941, Serial No. 380,127
3 Claims. (Cl. 196—48)



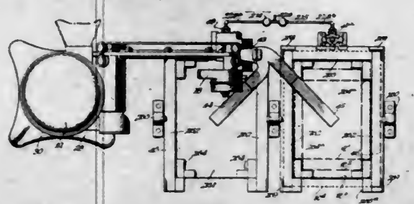
1. The hydrocarbon oil conversion process which comprises cracking a charging oil of relatively high boiling characteristics to convert the same into high yields of gasoline, separating resulting conversion products into vapors and non-vaporous residue, fractionating the vapors in a primary fractionating zone to condense relatively high boiling components thereof as primary reflux condensate, returning the latter to the aforesaid cracking step, subjecting at least a portion of the resulting primary fractionated vapors including components boiling above the range of gasoline to cooling and condensation under temperature and pressure conditions such that gases and light gasoline fractions remain uncondensed and to form a substantially gas-free distillate, returning the latter to the primary fractionating step as a cooling and refluxing medium, simultaneously subjecting a second charging oil of relatively low boiling characteristics to conditions of high cracking temperature at substantial superatmospheric pressure to produce therefrom high yields of good antiknock gasoline, partially cooling the resulting heated products to a temperature at which substantial further cracking thereof is prevented and commingling the same with the remaining portion of the fractionated vapors from the primary fractionating step which include components boiling above the range of the desired gasoline product, subjecting the mixture to fractionation in a secondary fractionating step to condense therefrom as secondary reflux condensate components boiling above the range of the desired gasoline product, cooling and commingling regulated quantities of said secondary reflux condensate with said highly heated products of the second mentioned cracking step to effect said partial cooling of the latter, combining said uncondensed gases and light gasoline fractions with the resulting fractionated vapors from the secondary fractionating step and subjecting the mixture to cooling and condensation, and recovering the resulting distillate.

2,356,020
MAILBOX
James Albert Westerfield, Beaver Dam, Ky.
Application August 26, 1942, Serial No. 456,250
1 Claim. (Cl. 232—35)



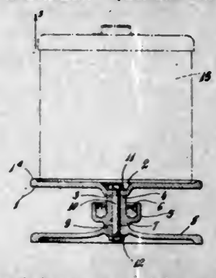
Signalling apparatus of the class described for use on a mail box having a swingable closure, said apparatus comprising a bracket adapted to be mounted on said box and having a pair of upper and lower horizontal arms, a post rotatably mounted in said arms and vertically slidable therein, a flag fast on said post for rotation into different positions by rotation of said post, a pawl and ratchet drive for rotating said post comprising a ratchet wheel on the post intermediate said arms, and a pawl arm adapted to be pivoted to said closure for operation thereby to operate said wheel, and devices on said post and the upper arm, respectively, co-acting under vertical sliding movement and rotation of the post to yieldingly detain the post in different angular positions.

2,356,021
ARTICLE SHAKING MECHANISM
Elbe A. Wilckens, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application June 8, 1938, Serial No. 212,573. Divided and this application May 8, 1942, Serial No. 442,279
2 Claims. (Cl. 259—75)



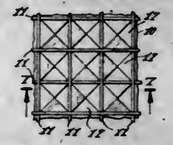
1. A receptacle supporting and shaking platform for shaking apparatus comprising a plate element, means projecting upwardly from said plate element to bound areas in which receptacles may be seated and held against sidewise movement, said means including a plurality of angled members each comprising two legs extending at right angles to each other, said members being positioned at the corners of a rectangular area with their legs extending along two adjacent sides of such area so that receptacles may be seated within the area defined by the adjacent sides of said legs and also within the areas defined by the opposing ends of said legs.

2,356,022
INSECT TRAP
Eddie G. Wright, Oakland, Calif.
Application December 6, 1943, Serial No. 513,021
2 Claims. (Cl. 43—120)



1. An insect trap comprising a base plate of circular shape; a cup carried by said base plate and including a sleeve portion which extends vertically from the center of the upper bottom side of said cup and which protrudes over the upper edge of said cup; a top plate secured to said sleeve portion by means of a bolt which extends through the center of said bottom plate, through said sleeve portion, and through the center of said top plate, and which has nuts on both ends located in recesses of said top and bottom plates; said top plate being adapted to carry a heavy object which is to be protected against insects, said bottom plate being so large that the trap cannot tip over when said heavy object is placed upon said top plate, and said cup being adapted to be filled with a fluid which prevents insects from passing through it, all substantially as set forth.

2,356,023
ARTICLE AND PROCESS OF MAKING THE SAME
George J. Alles, Fredericksburg, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application August 16, 1941, Serial No. 407,244
2 Claims. (Cl. 240—108)

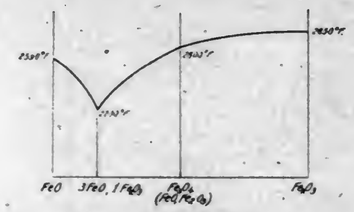


1. An an article of manufacture, an elastic sheet material comprising a flexible sheet of nonfibrous organic plastic material having convolutions therein comprising depressions and elevations in the shape of pyramids combined with a plurality of elastic bands attached to said sheet material between said pyramids at spaced intervals along the lengths of the bands, whereby said article may be stretched transversely as well as longitudinally.

2,356,024
METHOD OF AGGLOMERATING
Axel Brix Andersen, New Rochelle, and Knud Horn, New York, N. Y., assignors to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application May 28, 1943, Serial No. 488,852
11 Claims. (Cl. 75—5)

1. A method of agglomerating iron-bearing materials, which comprises preparing a charge

made up of said materials and a mixture of finely divided iron oxide and solid carbonaceous materials capable, upon being heated, of producing an agglomerating agent in the form of a mixture of iron oxides of substantially lower melt-

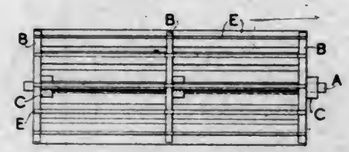


ing point than the iron-bearing materials, the materials employed to produce the agent being much more finely divided than the iron-bearing materials, and heating the charge to form and melt the agent.

2,356,025
ETHYL CELLULOSE EMULSIONS
Charles E. Bergamini, Bloomfield, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 8, 1941, Serial No. 418,333
9 Claims. (Cl. 106—170)

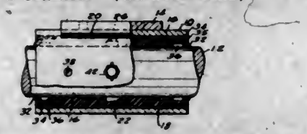
1. A lacquer emulsion of the oil-in-water type having a dispersed phase comprising essentially an ethyl cellulose lacquer, and a disperse phase comprising essentially water and the reaction product of hydrogenated rosin having a hydrogen saturation of at least about 60% on the rosin acid basis with a voltatile alkali.

2,356,026
REEL
John Kenneth Berry, Southam, near Rugby, England, assignor to Courtaulds Limited, London, England, a British company
Application February 26, 1943, Serial No. 477,254
In Great Britain March 27, 1942
2 Claims. (Cl. 68—212)



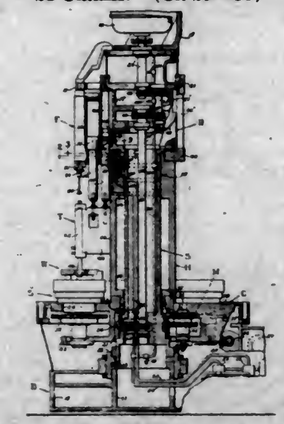
1. A reel suitable for treating a travelling thread with a succession of different liquids and collecting the liquids separately comprising a shaft, a plurality of solid discs mounted in spaced relationship on said shaft, a plurality of peripheral slots in each of said discs a plurality of longitudinal bar-members fitting in said slots and adapted to support the travelling thread, the portions of said bar-members between each two successive discs constituting a zone of liquid treatment, and longitudinal grooves in said bar-members, said grooves not extending beyond the ends of said zones of liquid treatment whereby treatment liquid in said grooves is prevented from passing from one zone of liquid treatment to the next.

2,356,027
BEARING ASSEMBLY
John Boyd, Forest Hills, and Phillip R. Eklund, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1943, Serial No. 474,796
4 Claims. (Cl. 308—36.1)



1. In a bearing assembly for a shaft member, in combination, a tubular member of fibrous material impregnated with a resinous binder, a longitudinally extending flange portion carried by each of the ends of the tubular member intermediate of the inner and outer surfaces of said member, lubricating grooves disposed in the tubular member, the lubricating grooves being open in the inner surface of the tubular member to engage the shaft member, a flexible seal positioned at the end of each of the flange members disposed to cooperate with each of the associated tubular and flange members to form a radial lubricating groove at each end of the tubular member, the flexible seal having a free end disposed to be in wiping contact about the shaft member, a flanged ring member disposed about each of the longitudinally extending flange members for maintaining the seal associated therewith in cooperating relation with the tubular member disposed for movement therewith, a metallic sheath disposed about the tubular member for reinforcing said member and provide a mounting therefor and means for releasably retaining the tubular member carrying the seals in fixed mounted relation in the metallic sheath.

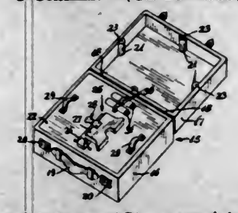
2,356,028
HYDRAULIC MACHINE TOOL
Edward P. Bullard, III, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application December 27, 1940, Serial No. 371,859
21 Claims. (Cl. 29—38)



1. In a machine tool, a work-supporting member; a tool support; a piston connected to said tool support; a cylinder in which said piston is adapted to be reciprocated; means for restricting the movement of said tool support toward

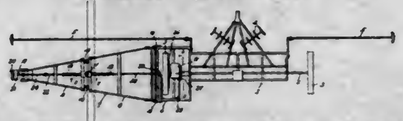
said work-supporting member during a feeding operation, said means permitting unrestricted movement of said tool support away from said work-supporting member; means for supplying fluid pressure to opposite sides of said piston for moving said tool support toward and from said work-supporting member independently of said restricting means during a traverse movement of said tool support; separate fluid pressure means for supplying fluid to said piston for moving said tool-supporting member in cooperative engagement with said restricting means during a feeding movement; and means for cushioning the action of said piston at opposite ends of its path of travel.

2,356,029
SHOESHINE OUTFIT
Frank Burger, Flushing, N. Y.
Application May 8, 1943, Serial No. 486,135
5 Claims. (Cl. 15—265)



1. A shoe shining outfit, comprising a suitcase-like container having a container body and a hinged top cover, support strips attached on the inner faces of the side walls of said container body and top cover for fixedly supporting a platform across the top of said container body in the closed position of said cover, a platform corresponding to the cross sectional shape of said body supported across the top of said container body by said support strips, a shoe shine foot rest mounted on said platform, and a partition for supporting shoe polish and brushes and mounted across said container body spaced down from the top thereof.

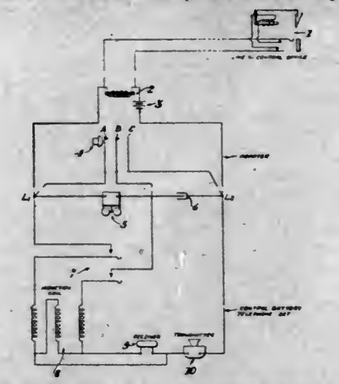
2,356,030
MARKER FOR SEEDING MACHINES
William Russell Byers, Calgary, Alberta, Canada
Application July 26, 1943, Serial No. 496,217
4 Claims. (Cl. 111—33)



1. A seeding machine comprising a frame, supporting wheels for said frame, an arm hingedly mounted on the frame, a marker on the arm, and means connecting the arm to one of the wheels for actuation thereby for alternately shifting the marker toward and then away from the frame while in ground engaging position.

2,356,031
TELEPHONE SUBSTATION APPARATUS
Louis W. Carroll, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 20, 1942, Serial No. 466,263
8 Claims. (Cl. 179—81)

1. In a sub-station telephone set, for alternative use in a local battery or in a magneto exchange including a drop, comprising a transmitter, a receiver, a pair of line wires, a bell and a condenser connected in series across said line wires, a device for actuating the drop at the magneto exchange including a retardation coil connected directly across said line wires, a battery connected in a series circuit including said retardation coil said bell and said condenser, a first normally open pair of contacts connected so that when closed they provide a short circuit for said bell, a second normally open pair of contacts connected so that when closed they provide a short circuit for said condenser, whereby continuous current from said battery flows



through said coil and establishes thereabout an electromagnetic field and means for closing said first-mentioned pair of contacts before said second-mentioned pair of contacts and for opening said second-mentioned pair of contacts before said first-mentioned pair of contacts, whereby the closure of both said pairs of contacts connects said battery directly across said coil, the opening of said second pair of contacts inserts said condenser between said battery and said coil, and the opening of said first pair of contacts allows said electromagnetic field to collapse with consequent establishment of a momentary, drop-actuating surge having a relatively high voltage and appearing across said pair of line wires.

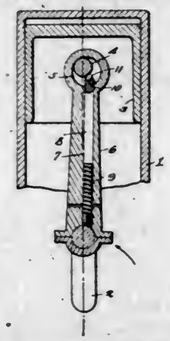
2,356,032
GLOVE
Paul A. Chanut, New York, N. Y., assignor to Aris Gloves, Inc., New York, N. Y., a corporation of New York
Application January 31, 1942, Serial No. 429,033
1 Claim. (Cl. 2—164)



A lined fabric glove construction, comprising a one-piece blank of fabric having front and back hand covering portions with front and back finger covering portions extending upwardly therefrom, and a one-piece lining blank of animal membrane coextensive with said fabric blank, and fourchettes extending between the fingers along the sides thereof, said fourchettes being of the unlined fabric the edges of said

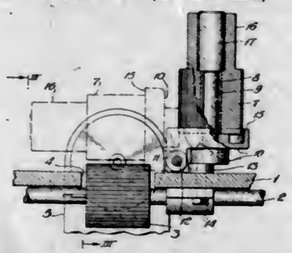
fabric, of the lining blank and of the fourchettes all extending outwardly, and external stitching connecting the outwardly extending edges of the fourchettes to the corresponding outwardly extending edges of the fabric finger portions, each of said stitches connecting three plies of material including fabric plies at the exterior and the corresponding edge of the animal membrane lining portion interposed therebetween.

2,356,033
INTERNAL-COMBUSTION ENGINE
Edward S. Criddle, Franklin, Tenn.
Application December 2, 1942, Serial No. 467,637
7 Claims. (Cl. 123—78)



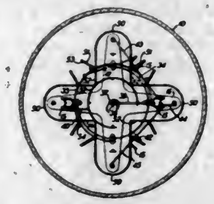
5. In an internal combustion engine a cylinder, a piston, a piston pin movable with the piston, a crank shaft, a connecting rod carried by the shaft and having an opening through which the pin is extended, said opening being of a diameter greater than that of the pin to permit limited oscillation of the rod upon the pin, a member slidably mounted in and in the direction of the length of the connecting rod, a spring for exerting a thrust against the member and in the direction of the piston, and an antifriction device carried by the member for engaging the pin to support said pin and piston relative to the connecting rod, said spring being proportioned to overcome the resistance of a charge under maximum compression but to yield under the force of the charge when exploded.

2,356,034
COMBER CALENDER ROLL
Frank L. Crockett, Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application August 13, 1942, Serial No. 454,752
11 Claims. (Cl. 19—115)



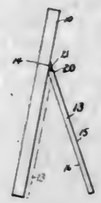
1. In a comber the combination with the sliver table and a lower calender roll operating with its upper side protruding through a recess in said table, of a coacting top calendar roll and a hinged bracket carrying the journal of such roll, such bracket having its hinge axis close to the table surface and shaped to support the roll in an upright position, removed from and exposing the lower calendar roll for easy wiping.

2,356,035
ELECTRON DISCHARGE DEVICE
Henry L. Downing, Flushing, and John W. West, Woodmere, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 22, 1941, Serial No. 420,056
11 Claims. (Cl. 250—27.5)



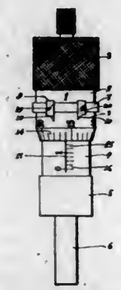
1. In an electron discharge device, a multiunit mount including separate groups of a sleeve cathode, a heater therein, and a control element surrounding said cathode, insulating spacer members supporting said groups therebetween, a common anode surrounding said groups, and a plurality of concentric conducting members adjacent one of said spacer members rigidly securing the cathode, heater and control element of each group in position in said spacer members.

2,356,036
SUPPORT FOR EASEL-BACK PICTURE FRAMES AND THE LIKE
Edwin J. Dreisbach, New Haven, Conn.
Application May 16, 1944, Serial No. 535,834
2 Claims. (Cl. 248—37)



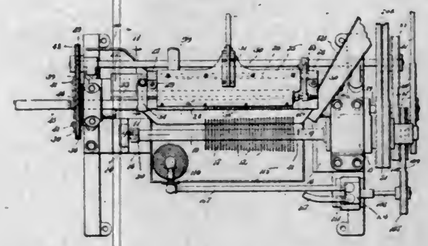
1. The combination with the back-sheet of a picture frame or the like: of a leg-plate having a beveled upper end constructed and arranged to engage with the surface of the said back-sheet and providing a heel at its point of junction with the inner face of the said leg-plate, the said leg-plate having a hole extending therethrough from side edge to side edge intermediate and substantially parallel with its respective inner and outer faces and at a point substantially coincident and parallel with the heel on the leg-plate; and an attaching-loop having a body-portion extending through the hole in the leg-plate from side edge to side edge thereof and provided with two attaching-arms respectively located at its respective opposite ends, which arms are extended through the said back-sheet and clinched against the face thereof opposite the leg-plate.

2,356,037
MICROMETER TOLERANCE INDICATOR
William J. Drucker, Richmond Hill, N. Y.
Application September 22, 1942, Serial No. 459,265
1 Claim. (Cl. 33—166)



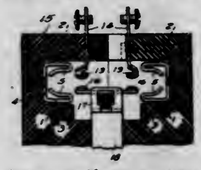
A tolerance indicating micrometer with a thimble surrounded by an affixed flange of a narrow rim shape, adjacent to and above the measurement graduations, the flange having receiving surfaces proffering co-acting holding means to firmly seat and hold tolerance indication clips, and clips manually attachable to and detachable from the flange, also manually movable to any position of the perimeter part of same, said clips having open clasp portions whose structure comprises yielding members engaging the receiving surfaces of the flange, a pointed portion integrally affixed to the clamp portion, serving as part of an indication means of the tolerance in relation to the measurement graduations, and a turn direction arrow applied to the outer surface of said clip.

2,356,038
MACHINE FOR CUTTING RINGS FROM CYLINDRICAL TUBING
Herbert E. Edwards, Wellesley, Mass.
Application November 14, 1941, Serial No. 419,044
10 Claims. (Cl. 29—70)



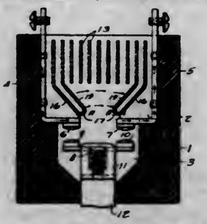
1. A machine for cutting rings from cylindrical tubing having, in combination, a rotatable cutting tool comprising a plurality of saws, means for rotating the tool, a flat work supporting surface, a clamp for loosely clamping a length of tubing on the work supporting surface, said clamp being provided with slots into which the peripheries of the respective saws may pass freely in cutting the rings from the cylindrical tubing, means for rotating the length of tubing relatively to the supporting surface, and means for relatively moving the rotating tool and the rotating tubing to cause the plurality of saws to cut rings from the cylindrical tubing.

2,356,039
ARC LIMITING DEVICE
Delbert Ellis and Owen L. Taylor, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1942, Serial No. 453,058
5 Claims. (Cl. 200—147)



1. Circuit interrupting means comprising a pair of separable contact members, operating means for separating said members and drawing an arc therebetween, an arc attracting magnetizable structure arranged in proximity to said members and having a base portion and two spaced limbs at the same side of said base portion, said contact members having a path of separation extending substantially in parallel to said base portion in the spacing direction of said limbs and farther away from said base portion than from the respective ends of said limbs, said path being close to said ends so that the latter attract said arc initially, said limbs being shaped so as to decrease their mutual distance in the direction from said path towards said base portion.

2,356,040
ARC CONTROL DEVICE
Delbert Ellis and Owen L. Taylor, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1942, Serial No. 453,059
5 Claims. (Cl. 200—147)

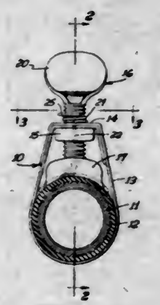


1. In a circuit breaker having contacts for drawing an arc, and an arc quenching means, said means comprising a set of grid plates disposed substantially in parallel and in spaced relation to each other and extending substantially at right angles to the arc to be quenched, and a substantially U-shaped arcing member having a loop portion integral with two limb portions, said loop portion projecting over said set toward said contacts to form an arcing horn and said limb portions extending continuously from said loop portion into said set in parallel and in spaced relation to said plates.

2,356,041
SAFETY HOSE CLAMP
Howard Edward Fay, Tujunga, Calif.
Application June 7, 1943, Serial No. 489,940
2 Claims. (Cl. 24—19)

1. For use in a hose clamp comprising a band and a segment cooperating therewith to engage

the exterior of a hose: a female threaded element on said band beyond said segment, and a screw threaded through said element and advanceable against said segment to relatively contract said band and said segment, a friction retaining member comprising a wire spring having convolutions of a pitch and diameter corresponding to the threads of said element and effecting a



continuation thereof, the advanced end of said spring being free and the opposite end of said spring being anchored to said element whereby said screw may be normally advanced but unauthorized unscrewing of the same as by vibration will be prevented, but permitting unscrewing by application of torque directly applied to said screw without injury to said friction member.

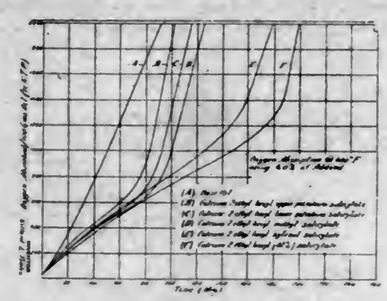
2,356,042
COMBINATION NON-ELASTIC ADJUSTABLE HATBAND AND BOW TRIM HAT
Hyman Ferber, Brooklyn, N. Y., assignor to Wilmor Novelty Co., Inc., Hackensack, N. J.
Application March 10, 1943, Serial No. 478,599
1 Claim. (Cl. 2—183)



A flexible hat band having an open side and straps continuing from said open side and one of said straps being formed with an opening and the other strap being passed through said opening, each of the ends of said band having a pair of closely spaced openings adjacent the open sides of said band, said straps having their free ends passed through said openings away from said open side and back through said openings towards said open side to have their ends directed towards each other, said openings being of a length slightly less than the width of said straps to pinch the straps together where they pass through the openings to frictionally grip the edges of the straps.

2,356,043
LUBRICATING OIL COMPOSITION
Willard L. Finley, Edgewood Arsenal, Md., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application October 28, 1941, Serial No. 416,831
8 Claims. (Cl. 252—57)

1. A liquid lubricating oil composition comprising a petroleum lubricating oil and the calcium salt of an alkyl ester of alkylated salicylic



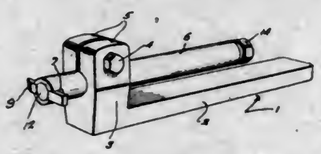
acid, the alkyl radical in the carboxyl group having from 4 to 18 carbon atoms.

2,356,044
ULTRA HIGH FREQUENCY CIRCUIT CONDUCTOR MEMBER
Christopher Henry Foulkes, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
No Drawing. Application July 1, 1942, Serial No. 449,369. In Great Britain January 7, 1941
4 Claims. (Cl. 178—44)

2. An electrical conductor member adapted to form part of an ultra high frequency circuit, having a polished surface along which a high frequency current is intended to flow, said surface being of the type produced by polishing with a motion parallel to the intended direction of said flow and characterized by the fact that all material surface irregularities extend parallel to such flow.

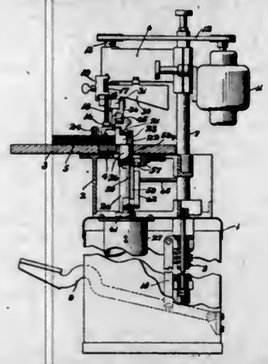
3. A hollow resonator adapted for use in a velocity modulated electron discharge tube having a polished inner surface as set forth in claim 2.

2,356,045
LATHE TOOL
Thomas A. Fullen, Upper Darby Township, Delaware County, Pa.
Application June 23, 1943, Serial No. 491,975
1 Claim. (Cl. 29—96)



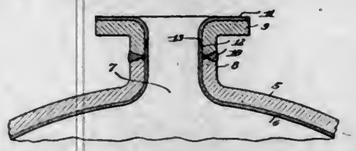
A lathe tool comprising a tubular arm, means for mounting said arm on a lathe post, said arm having aligned notches in one end portion, a rod mounted in the arm and having an opening therein, a bit including a substantially U-shaped central portion having its ends engaged in the notches of the arm and its intermediate portion engaged in the opening of the rod, and a nut threaded on the rod and engageable with the arm for tightening said rod on the bit with the portion of the rod at the outer side of said opening seated in the U-shaped portion of the bit.

2,356,046
PAPER BORING AND SLOTTING MACHINE
Mark J. Garlick, Chicago, Ill., assignor to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan
Application July 11, 1938, Serial No. 218,552
5 Claims. (Cl. 164—86)



1. In a machine for forming notched openings in a stack of sheets and the like, a boring tool, and a slotting tool located closely adjacent said boring tool, said slotting tool comprising a blade angular in cross section and having the work engaging edge thereof sharpened, said sharpened edge being substantially coplanar with the cutting edge of the boring tool, and means for reciprocating said tools together relative to the work.

2,356,047
CONTAINER
Elliott E. Geisinger, Rochester, N. Y., and Rudolph F. Goecke, Elyria, Ohio, assignors to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application June 12, 1941, Serial No. 397,764
3 Claims. (Cl. 220—63)



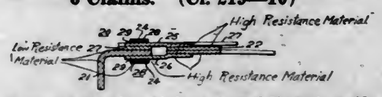
1. A glass lined container comprising a body portion and a portion providing a conducting connection for connecting said body portion with conducting means to be associated therewith, said portions being formed of a metal subject to corrosion, the surface of said connection having thereon a coating of non-corrosive metal having a coefficient of thermal expansion different from that of said corrodible metal and terminating inwardly of points of contact with said associated conducting means, said inward termination of the coating being gradually tapered to a thin edge forming a substantially smooth surface joint with said corrodible metal whereby the rate of thermal expansion of said corrodible metal is imposed on said thin edge of the coating to effect adjacent said edge a gradual transition from the rate of thermal expansion of said corrodible metal to that of said coating to prevent injury to a lining applied across said joint, and a glass enamel lining on said body portion extending across said joint onto said coating, to provide a durable, fused-in continuity of said lining with said coating.

2,356,048
PREHEATING TORCH
Guy F. Goddeau, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application January 5, 1942, Serial No. 425,640
1 Claim. (Cl. 158—27.4)



In a heating torch, in combination, a burner nozzle through which the products of combustion are adapted to be delivered at a relatively high velocity, said nozzle comprising a cylindrical tube open from end to end and forming a continuation of the combustion feeding tube and surrounding the outer end of said combustion feeding tube, the outer end of said combustion feeding tube having gas escape ports therein and said nozzle, at the point where it surrounds said tube, having an annular channel communicating with said ports and having gas escape ports communicating with said channel, the outer end of said nozzle having an annular channel formed therein in advance of the delivery end of said nozzle and having ports communicating with said channel, a foraminous baffle plate surrounding the delivery end of said nozzle beyond said secondmentioned ports, and a secondary nozzle surrounding and spaced from said burner nozzle having a bottom receiving said combustion feeding tube and having its end open and extending beyond the tip of the burner nozzle.

2,356,049
METHOD OF RESISTANCE WELDING
Arthur E. Goodwin, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1942, Serial No. 447,686
6 Claims. (Cl. 219—10)

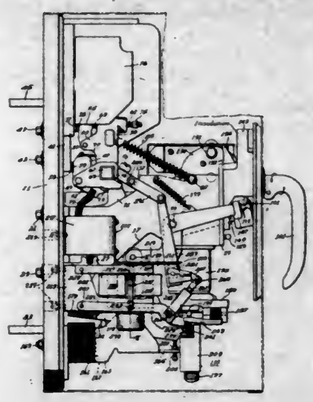


6. A method of resistance welding together a pair of metallic members of relatively high and relatively low conductivity, respectively, with a copper alloy electrode which comprises, interposing a separate bimetal pad between one of the members and the electrode associated therewith at the zone where a weld is to be made, and passing a welding current through the electrode, pad and members, said bimetal pad comprising a layer of a relatively low resistance metal adjacent the electrode and a layer of a relatively high resistance material adjacent the said one member.

2,356,050
CIRCUIT BREAKER
George G. Grissinger, Wilkinsburg, and Ture Lindstrom, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 18, 1941, Serial No. 415,617
16 Claims. (Cl. 200—89)

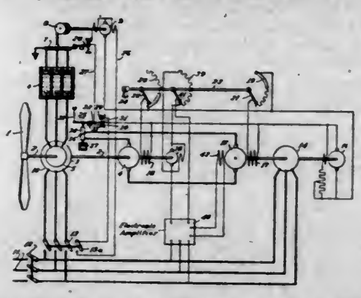
1. In a circuit breaker, relatively movable contacts, operating mechanism for said contacts, trip

mechanism including a resilient means connected to a part movable with the movable contact and operable to trip the circuit breaker operating mechanism, and a trip device operable in re-



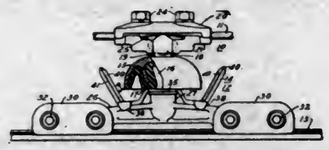
sponse to predetermined circuit conditions to initiate an operation of the trip mechanism, said resilient means being movable by the opening operation of the breaker to reset the trip device.

2,356,051
VARIABLE-SPEED DRIVE
Clinton R. Hanna, Pittsburgh, and Lee A. Kilgore, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1942, Serial No. 463,964
11 Claims. (Cl. 172—274)



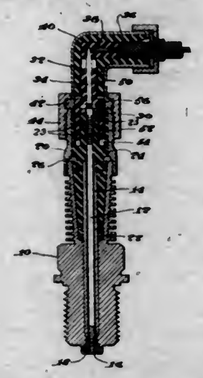
11. A variable speed drive for a load carrying shaft comprising a direct current motor and an alternating current motor both in driving connection with said shaft, a motor generator set including a direct current generator connected to said direct current motor, a common source of alternating current connected to said set and said alternating current motor, circuit means arranged for supplying field energization to said direct current motor and said generator and containing control means for varying the field energization of said generator and direct current motor relative to each other so as to regulate the speed of said direct current motor within a lower range of speeds, means for controlling the speed of said alternating current motor within an adjacent range of higher speeds, and actuating means connected with both said control means for operating them in a given relation to each other.

2,356,052
CONDUCTOR SUPPORT
Raymond P. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1941, Serial No. 402,471
8 Claims. (Cl. 191—42)



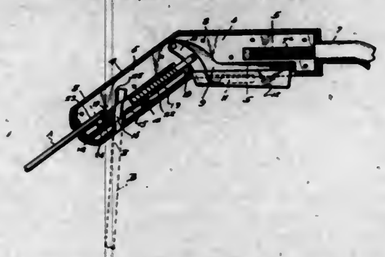
1. A trolley conductor support comprising an insulated hanger having a relatively thick walled metallic cap having a relatively sharp edge on the outer side of the rim and provided with a support stud positioned therein in insulated relation by insulating material interposed therebetween to provide a predetermined creepage distance, a trolley ear detachably secured to the support stud and adapted to be secured to the trolley conductor, and an arc member supported by the trolley ear interposed between the trolley ear and the cap adjacent the relatively sharp edge to provide a substantially knife edge gap therebetween having a breakdown value less than the wet flashover value of the surface of the insulation between the stud and cap.

2,356,053
SPARK PLUG
Arthur C. Hastings, Jr., Orlando B. Hastings, and Wallis R. Horsfield, South Yarmouth, Mass.
Application May 14, 1941, Serial No. 393,366
5 Claims. (Cl. 123—169)



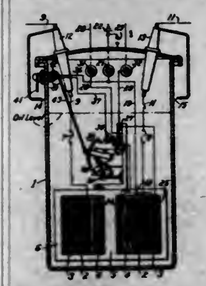
1. A shielded spark plug comprising an outer electrode including an elongated hollow metallic member, an inner electrode coextensive with the length of said outer electrode, an elongated tubular insulating member positioned between said electrodes for a major portion thereof, and a moulded insulating member within the upper portion of said hollow member and surrounding the upper portion of said inner electrode and said tubular insulating member whereby to form a substantially gas tight bond between said upper portions of the plug, said outer electrode including a detachable upper portion whereby to form a replaceable unit with said moulded insulator, tubular insulator and inner electrode.

2,356,054
WELDING ROD HOLDER
James H. Hill, Redondo Beach, Calif., assignor of forty-nine per cent to Howard F. Craven, Redondo Beach, Calif.
Application May 6, 1943, Serial No. 485,901
3 Claims. (Cl. 219—8)



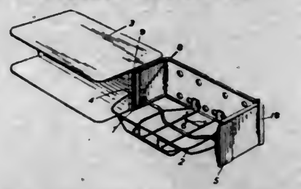
1. A welding rod holder comprising a body having an elongated handle portion and an elongated nose portion rigid with and extending at an angle from the outer end of said handle portion, said nose portion having a main longitudinal bore and a second short bore opening through the outer end of the nose and communicating at one side with the outer portion of said main bore, said short bore being adapted to receive an end of a welding rod, a head slidable in the main bore and having a stem projecting inwardly therefrom, said head having a sloping front portion provided with a forward reduced extension, a ball disposed on the inclined portion of the head, a spring in the main bore acting on the head to force the latter forwardly so as to cause the sloping portion of the head to move the ball laterally into gripping engagement with the welding rod, and manually operable means associated with the handle portion and connected with the inner end of the stem for retracting the head and releasing the ball from the welding rod.

2,356,055
SWITCH OPERATOR
John K. Hodnette, Merrill G. Leonard, and Percy Sellers, Sharon, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1941, Serial No. 402,494
6 Claims. (Cl. 200—116)



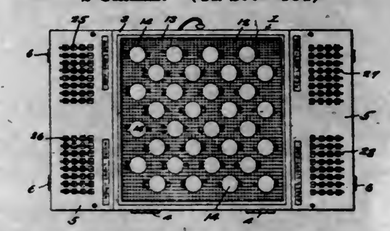
1. In electrical apparatus subject to varying load and provided with a circuit breaker for unloading the apparatus, in combination, an apparatus casing, a manually operable means for operating said circuit breaker to three separate positions, said manually operable means including a base portion for mounting in a selected one of two positions on the apparatus casing, and a handle portion, said base and handle portions being provided with cooperating stops so arranged as to permit movement of the handle portion in one direction only from the first position to the second and third positions in sequence when the base portion is mounted in one position on the apparatus casing and to permit movement of the handle portion in the opposite direction only from the first position to the second and third positions in sequence to perform the same sequence of operation of the circuit breaker throughout the three positions of the handle portion regardless of in which of the two positions the base portion is mounted on the apparatus casing, said base portion having two sets of markings of the handle positions thereon corresponding to the two operating directions of motion of the handle portion for indicating the circuit breaker positions, and a guard carried by the handle portion positioned thereon to conceal the set of markings not to be used in a given position of the base portion.

2,356,056
SOAP CONTAINER
Frederick Dickson Hogg, London, England
Application March 31, 1943, Serial No. 481,248
In Great Britain April 7, 1942
4 Claims. (Cl. 45—28)



1. A soap container formed in two hingedly connected parts, one part of which container constitutes a cover for the second part, the parts together constituting a closed receptacle, the second part being movable about the hinge into a position in which it lies clear of said cover, said cover including parallel top and bottom portions a connecting side and integral partial ends said second part consisting of a side and integral partial ends one of which is connected to one of the partial ends of the cover part by a vertical hinge, and a reticulated tray for the reception of the soap carried by said second part, the arrangement being such that when said second part is swung into a position in which it lies clear of said cover any drippings from the soap will not fall into said cover.

2,356,057
GAME APPARATUS
Lawrence Byron Householder, Wellsville, Ohio
Application April 5, 1943, Serial No. 481,924
2 Claims. (Cl. 177—384)



1. In a selectively-operable means for illuminating an annunciator in a game of the checkers

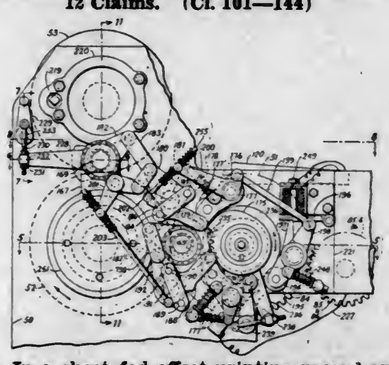
type, a casing having alternating active and intermediate cells arranged in rows, and to correspond in number and positions with the squares of a conventional checker board, an annunciator member covering the cells and having a display surface constructed to exclude light-rays from the intermediate cells and to permit passage of light rays from the active cells, oppositely-disposed supports forming part of the casing and located immediately adjacent to the annunciator member, a set of lamps of different colors in each active cell, the colors of the lamps in each of said cells being the same as in the other active cells, a conductor plate positioned across the active cells and having contacts extending into the intermediate cells, the lamps being detachably engaged with the contacts, separate groups of keys on the supports, each group being provided for the lamps of one color, and the number of keys in each group corresponding with the number of lamps of the color associated with said group, and electrical circuits including at one side the respective lamps and at the other side the conducting plate, each key constituting a switch for one of the circuits, the keys of each group being located in substantially parallel rows, the number of keys in each row equalling the number of active cells in a plurality of cell-rows, thereby to minimize the width of each key-group measure in the direction of the opposite key-group, and to bring key-manipulators within easy inspection distance of the annunciator.

2,356,058
OFFSET PRINTING PRESS

Irving A. Hunting, South Plainfield, N. J.

Application September 16, 1939, Serial No. 295,197

12 Claims. (Cl. 101—144)



10. In a sheet-fed offset printing press having plate, blanket, and impression cylinders, means for automatically tripping the blanket cylinder from the plate cylinder during the time that the gaps of these cylinders are passing the line connecting their centers; then, initiated by this tripping action, means for automatically tripping the blanket cylinder from the impression cylinder while the gaps of these cylinders are passing the line connecting their centers.

2,356,059
BINDING DEVICE AND MATERIAL THEREFOR

Ferdinand W. Humphner, River Forest, Ill., assignor to Mid-States Gummed Paper Co., Chicago, Ill., a corporation of Delaware

Application December 14, 1942, Serial No. 468,926

6 Claims. (Cl. 24—23)

4. A binding device comprising a strip of paper tape having a pair of sheets of paper and a moisture-resistant adhesive carrying a filamentary reinforcing material between said sheets, said tape being provided with a pair of spaced longitudinal folds, an integral strip of stiffening material in engagement with the tape between said folds, said material having a substantial transverse rigidity and relatively slight longitudinal elasticity the portions of said tape extending laterally from said folds being turned backwardly upon said stiffening strip to enclose the same, means for securing said tape about said stiffening strip, the ends of the tape-enclosed stiffening strip being arranged in overlapping relation, and clamp means engaging the said overlapping ends to compress and distort the same to bring said ends into interlocking relation.



2,356,060
ANTHRAQUINONE VAT DYESTUFFS

Francis Irving and Henry Alfred Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 19, 1942, Serial No. 443,650. In Great Britain May 27, 1941

3 Claims. (Cl. 260—372)

1. 1-amino-4(p-alkylsulphonylbenzoylamino)-anthraquinone in which one hydrogen of the 1-amino group is replaced by one of the radicals of the group consisting of benzoyl and p-alkylsulphonylbenzoyl groups in which the alkyl radical contains not more than 4 carbon atoms.

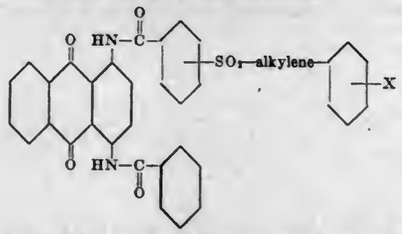
2,356,061
ANTHRAQUINONE DYESTUFFS

Francis Irving and Henry Alfred Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application January 5, 1943, Serial No. 471,368. In Great Britain February 2, 1942

3 Claims. (Cl. 260—372)

1. The compounds of the formula:



wherein alkylene stands for an alkylene radical which contains from 1 to 3 carbon atoms and X stands for a substituent of the group consisting of —H, —Cl, —CH_3, and —OCH_3.

2,356,062
THERAPEUTIC COMPOSITION

Charles C. Johnson, New York, N. Y., assignor to Latimer Laboratory, Inc., New York, N. Y., a corporation of New York

No Drawing. Application February 3, 1942, Serial No. 429,371

1 Claim. (Cl. 167—65)

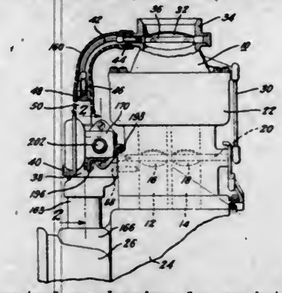
A therapeutic composition consisting essentially of glycerol esterified with oleic acid and ozonized at the double bond of said acid to such extent as to have about 1.85 per cent of the total mass available as nascent oxygen releasable therefrom under body heat, the composition after such release remaining substantially stable without polymerization, oxidation or decomposition.

2,356,063
ENGINE CONTROL DEVICE

Clarence H. Jorgensen and Lawrence C. Dermond, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 23, 1937, Serial No. 165,326

38 Claims. (Cl. 123—179)



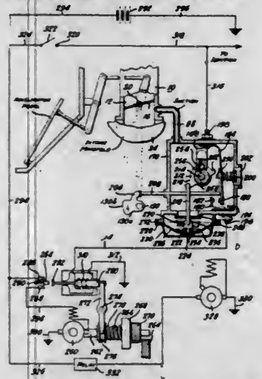
1. A control mechanism for an internal combustion engine having a starting motor and a carburetor for supplying mixture thereto which is provided with a choke valve for regulating the fuel air ratio of the mixture formed by said carburetor and a throttle for regulating the quantity of mixture supplied by such carburetor to the engine, means for automatically positioning the choke in accordance with temperature and engine suction, means for controlling the operation of the starting motor, and means operated by the throttle for modifying the action of the choke valve and for operating said controlling means to cause the starting motor to become operative.

2,356,064
ENGINE CONTROL DEVICE

Clarence H. Jorgensen and Lawrence C. Dermond, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application September 23, 1937, Serial No. 165,326. Divided and this application May 16, 1944, Serial No. 535,819

16 Claims. (Cl. 290—38)



1. In a starting apparatus for internal combustion engines having a starting motor, a current source, a circuit for connecting said motor and current source, a control switch for controlling said circuit, means operable by engine suction for preventing the closing of said switch while the engine is self-operative, resilient means engaging said suction operated means when the switch is closed and exerting a force to prevent operation of said suction operated means, which is appreciably greater than the force exerted on said means by engine suction during rotation of the engine by the starting motor but less than the force exerted by engine suction when the engine becomes self-operative.

2,356,065
METER INK

Thomas J. Keating, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application May 22, 1942, Serial No. 444,112

4 Claims. (Cl. 106—22)

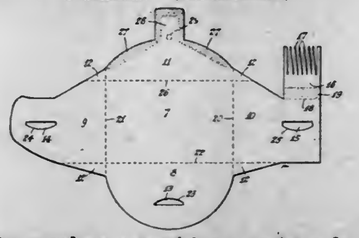
4. A red ink suitable for use in recorders for preparing charts that may be blueprinted effectively, comprising a color base composed of one part by weight of a yellow tartrazine dye of Color Index No. 640 and about from one to eight parts of sodium benzene-azo-B-naphthol-6:8-disulphonic acid, one part of the color base being dissolved in 20 to 100 parts of a non-gumming, substantially completely volatile solvent composed of a monohydric alcohol having from 1 to 4 carbon atoms, a liquid polyhydric alcohol, a preservative and water.

2,356,066
SAFETY ENVELOPE

Oscar V. Lalonde, New York, N. Y., assignor to Cushman & Denison Manufacturing Company, Inc., New York, N. Y., a corporation of New York

Application June 17, 1943, Serial No. 491,092

2 Claims. (Cl. 229—80)



1. An envelope comprising a rectangular body portion, bottom, side, and sealing flaps, one of the side flaps having a down-turned sub-flap with downwardly extending comb-like teeth, the bottom flap and side flaps having openings therethrough registering with each other and with said teeth, and a tongue on the sealing flap adapted to pass through said openings and having adhesive thereon to engage said teeth.

2,356,067
SATELLITE OFFICE TELEGRAPH SWITCHING SYSTEM

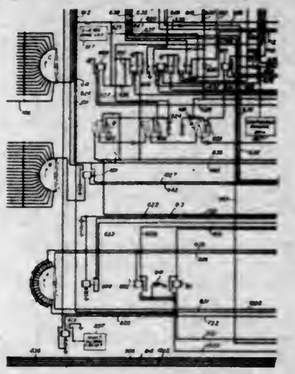
Wayne V. K. Large, Glenwood Landing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 7, 1941, Serial No. 377,805

20 Claims. (Cl. 178—2)

1. A switching system comprising a switching point, a remote point, lines terminating at said

switching point, a trunk including telegraphic impulse relaying means extending from said switching point to said remote point, a plurality of conductive connecting terminals of said trunk at said remote point each individual to one of said lines, a conductive device adapted to contact with one of said terminals, means operated by



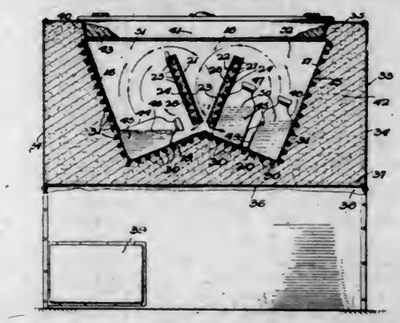
connection of said conductive device to one of said terminals to cause the operative connection of said trunk to the line individual to said terminal, and other means responsive to a call over any one of said lines for operating the first-mentioned means to cause the operative connection of said trunk to a corresponding one of said terminals.

2,356,068

REFRIGERATION

Samuel Arne Larsson, New York, N. Y., assignor to Plas-Matic, Inc., New York, N. Y., a corporation of New York

Application July 27, 1942, Serial No. 452,498
12 Claims. (Cl. 62—114)



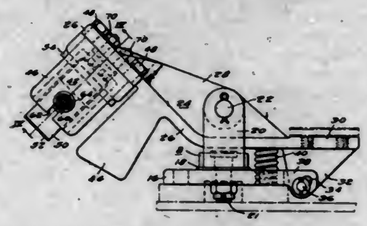
1. The method of refrigerating a container enclosing a vapor space and contents comprising fluent matter which expands on freezing, said method comprising supporting said container in an inclined position such that the area of the free surface of the fluent matter out of contact with the inner wall surface of the container is sufficiently increased to preclude bursting of the container upon freezing of the contents thereof, and removing heat from the container contents by conduction of said heat through at least two wall surfaces of the container to a refrigerant circulating in heat exchange therewith and capable of producing a temperature at least as low as the freezing point of said contents.

2,356,069

CIRCUIT INTERRUPTER

Raymond H. Leitzel, Forest Hills, and William H. Ware, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 26, 1942, Serial No. 444,498
14 Claims. (Cl. 200—48)



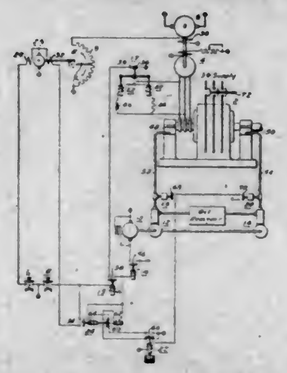
1. In a disconnecting switch, contact means, blade means mounted for movement into and out of engagement with said contact means, means pivotally mounting said contact means at a point spaced laterally of the contacting portion of said contact means to permit limited bodily movement of said contact means with said blade means in the plane of blade movement, and means pivotally mounting said contact means for limited pivotal movement in a plane extending angularly with respect to the plane of blade movement.

2,356,070

CONTROL SYSTEM

Robert R. Longwell, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 28, 1942, Serial No. 463,615
8 Claims. (Cl. 172—274)



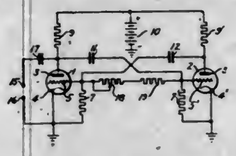
8. In a control system for a wound rotor induction motor having stator and rotor windings, means operable to connect the stator winding to a source of alternating current power, an alternating-current machine connected to the rotor winding, a direct-current, dynamo-electric machine connected in driving relation with the alternating-current machine, a motor-operated rheostat operable to vary the excitation of the direct-current machine, first switch means operable to effect operation of the motor-operated rheostat to decrease the excitation of the direct-current machine to cause the rotor winding to be energized at a frequency corresponding to the speed of the direct-current machine, whereby the rotor winding may be energized at the frequency of the source of alternating-current power and the stator winding connected thereto, means operable to apply oil pressure to the bearings of the induction motor, relay means responsive to a predetermined frequency of the potential applied to the rotor winding by the alternating-current machine, means including second switch means rendered effective in response to the operation of the frequency responsive relay means for initiating operation of the oil pressure applying means, and relay means responsive to a predetermined oil pressure operable to render the second switch means effective to control the operation of the motor-operated rheostat, whereby the excitation of the direct-current machine may be increased to start the induction motor and increase the speed thereof.

2,356,071

MULTIVIBRATOR

Angus A. Macdonald and John L. Johnson, Catonsville, Md., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 11, 1942, Serial No. 450,506
5 Claims. (Cl. 250—36)



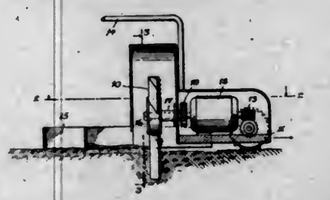
1. A relaxation oscillator comprising a pair of electron discharge tubes, an input circuit and an output circuit for each of said tubes, circuit means for coupling the output circuit of the first tube with the input circuit of the second tube and for coupling the output circuit of the second tube with the input circuit of the first tube, and means for controlling the frequency of the oscillations generated comprising a variable resistor coupling identical points on said circuits respectively of said tubes.

2,356,072

GROUND PULVERIZER

Adam G. Mahler, New York, N. Y.

Application May 22, 1943, Serial No. 487,988
3 Claims. (Cl. 97—38)



1. A tilling device comprising a hub, radial blades on said hub, each blade being triangular in cross section, and root chawing teeth on the side of each of said blades, said teeth being arranged in groups and each group consisting of a stepped formation in which the leading tooth is triangular and the others are progressively larger and quadrilateral.

2,356,073

REACTION PRODUCTS OF ALIPHATIC ALCOHOLS AND TERPENE-PHOSPHORUS SULPHIDE

Robert L. May, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 14, 1943, Serial No. 494,689
5 Claims. (Cl. 260—125)

1. The product resulting from the reaction of an aliphatic alcohol with a condensation product of turpentine and phosphorus pentasulphide.

2,356,074

ZINC SALT OF THE REACTION PRODUCTS OF ALIPHATIC ALCOHOLS AND TERPENE-PHOSPHORUS SULPHIDE

Robert L. May, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 14, 1943, Serial No. 494,691
5 Claims. (Cl. 260—429)

1. The reaction product of zinc oxide and an organic compound resulting from the reaction of an aliphatic alcohol with a condensation product of turpentine and phosphorus pentasulphide.

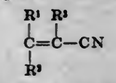
2,356,075

ACRYLONITRILES AND SUBSTITUTED ACRYLONITRILES AS FUMIGANTS

Vartkes Migrdichian, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 9, 1939, Serial No. 308,389
7 Claims. (Cl. 167—22)

2. A method of fumigating insects which comprises vaporizing into the space to be fumigated a compound having the formula:



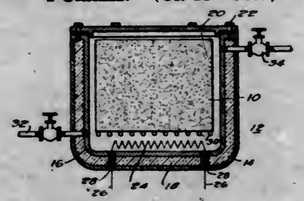
in which R_1, R_2 and R_3 chosen from the group consisting of hydrogen, an aliphatic hydrocarbon radical of less than five carbon atoms and a halogen substituted aliphatic hydrocarbon radical of less than five carbon atoms.

2,356,076

POROUS BRUSH AND METHOD OF MANUFACTURE

Lawrence E. Moberly, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

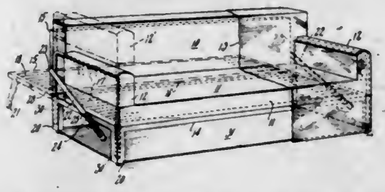
Application November 23, 1940, Serial No. 366,925
4 Claims. (Cl. 18—54.7)



3. The process of producing electrographitic brushes which comprises, in combination, dis-

tributing particles of predetermined size of a solid characterized by a transformation into a gas above a predetermined temperature in green carbon flour, the solid being substantially neutral to the green carbon flour, compacting the mixture under pressure into a plate, heat treating the plate at a temperature above said predetermined temperature to carbonize the binder and to cause the transformation of the particles of the solid into gases, the gases escaping from the plate and producing cavities conforming substantially to the shapes of the particles in the plate and subjecting the porous plate to graphitizing heat treatment.

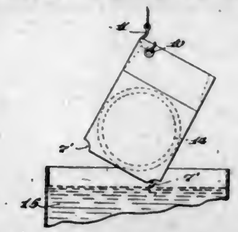
2,356,077
COMBINATION COUCH AND BED
Edna Mount, New York, N. Y., assignor of one-half to Rita Emerson, New York, N. Y.
Application November 10, 1941, Serial No. 418,439
5 Claims. (Cl. 5—37)



2. An article of manufacture of the class described comprising a first frame section with depending legs; a second frame section hingedly connected with said first frame section; mechanism permanently interconnecting said sections, said mechanism being pivotally connected to one section and slidably and pivotally connected to the other and including means for locking said sections in perpendicular relationship; a pair of similar equal size removable mattresses for said sections; said first frame section being wider than said second frame section by an amount corresponding to the thickness of said mattresses, whereby, when said frame sections are perpendicular and one mattress is placed on the forward part of said first frame section, a channel is formed between the rear edge of said one mattress and said second frame section; and removable arm rest units each comprising a body having an undersurface arranged to press upon and hold in a horizontal position the mattress placed on said first frame section and a flat surface arranged to press against and hold in a substantially vertical position the other mattress against said second frame section, and rods projecting from each body insertable in said first frame section to hold said units and said other mattress in stable relationship; said other mattress being stably locked against said second frame section and resting in such channel formed between the rear edge of said one mattress and said second frame section.

2,356,078
ENVELOPE FOR METALLIC OBJECTS
James Edwin Myers, St. Mary's, Ontario, Canada, assignor to Globe Envelopes Limited, Toronto, Ontario, Canada, a corporation of Ontario
Application July 15, 1943, Serial No. 494,880
In Canada January 12, 1943
2 Claims. (Cl. 229—68)

1. A flexible container for dipping into a liquid while containing an article for treatment by the liquid, the container comprising a substantially rectangular flat envelope and having one end open substantially throughout the length thereof, a substantially rectangular flap extending the length of the envelope from the open end of the

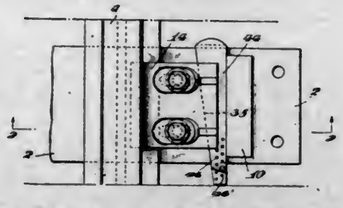


envelope, an off-center perforation in said flap adjacent one of the upper corners, and the bottom of said envelope having a diagonally opposite corner cut away to perforate the pocket of the envelope thereby to permit drainage when the container is removed from the treating liquid.

2,356,079
ANIMALIZING OF CELLULOSIC MATERIALS
Johannes Nelles, Leverkusen-Schlebusch, Otto Bayer and Wilhelm Tischbein, Leverkusen-I.G.-Werk, and Fritz Baehren, Dormagen, Kasino, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 29, 1940, Serial No. 326,656. In Germany March 31, 1939
6 Claims. (Cl. 260—9)

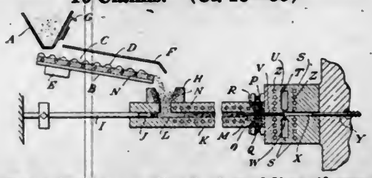
1. Cellulose fibers having increased affinity to acid wool dyestuffs and having deposited therein a synthetic polymer obtained by reacting an aromatic diisocyanate and a mixture comprising N.N'.N''-trimethyldiethylenetriamine and N.N'.N''.N''' - tetramethyltriethylenetetramine, said synthetic polymer containing amino nitrogen atoms in addition to those connected to the CO groups of the polymer in an amount of about one to about five percent by weight of the polymeric product.

2,356,080
RAIL BRACE
Charles H. Nordberg, Chicago Heights, Ill., assignor to Pettibone Mulliken Corporation, a corporation of Illinois
Application September 11, 1943, Serial No. 502,011
5 Claims. (Cl. 238—292)



1. A rail brace comprising a base plate to be arranged beneath a railway rail, a brace block on said plate and having portions for engaging and accurately interfitting with portions of the rail, said brace block being provided with an elongated slot and said base plate being provided with a bolt extending through said slot and carrying means for clamping the block in adjusted position, said slot and said bolt enabling said block to be adjusted toward the rail while holding the block against movement transversely of the plate and longitudinally of the rail, and wedge means for forcing said block tightly against the rail, said wedge means comprising a member disposed adjacent said brace block and on said base plate and secured against movement thereon, a transverse bar fixed to the base plate adjacent said member, the opposed walls of said bar and said brace block comprising wedge engaging surfaces, a wedge adapted to be inserted transversely of the base plate over said member and in contact therewith, said wedge and said member having complementary serrations on their facing surfaces, said brace block having a flange disposed to overlie said wedge and said member.

2,356,081
INJECTION METHOD OF MOLDING THERMOSETTTING MATERIAL
Emil E. Novotny, Philadelphia, Pa., assignor to Durite Plastics, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application February 8, 1940, Serial No. 317,811
16 Claims. (Cl. 18—55)



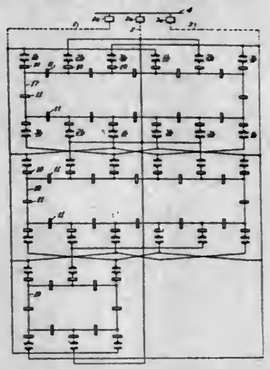
1. The ejection method of molding thermosetting materials which consist in heat plasticizing the material, in forcing the heat plasticized material through a superheating zone and thereby fluidizing and superheating the material, in filling a mold with the fluidized and superheated material to give form and finish thereto, in ejecting the formed but interiorly uncured piece from the mold, and allowing the molded piece to cure by means of its superheating acquired stored up heat to the insoluble infusible state after ejection from the mold.

2,356,082
METHOD OF AND APPARATUS FOR FIRING GUN PERFORATORS
Russell M. Otis, Pasadena, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application May 26, 1943, Serial No. 488,803
18 Claims. (Cl. 164—0.5)



1. A method of firing a gun perforator in a well, characterized by: generating adjacent the top of said well an elastic vibration; acoustically transmitting said vibration down said well; picking up said vibration adjacent said gun perforator; and initiating operation of said gun perforator in response to said picked-up vibration.

2,356,083
ELECTRICAL DISTRIBUTION SYSTEM
John S. Parsons, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application June 28, 1940, Serial No. 342,940. Divided and this application November 12, 1942, Serial No. 465,323
7 Claims. (Cl. 171—97)

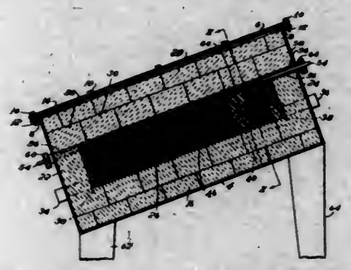


7. In an electrical distribution system, a transformer, a feeder circuit for normally energizing said transformer, a distribution circuit, switch means for operatively connecting said distribution circuit for energization from said feeder circuit through said transformer, tripping means responsive after a predetermined time delay to undervoltage for tripping said switch means, means for energizing said tripping means in accordance with a first voltage on the distribution circuit side of said transformer, compensating means for adding to said voltage an increment substantially proportional to the voltage drop across said transformer, and means responsive to a predetermined value of said first voltage of rendering said compensating means ineffective.

2,356,084
GAS-GENERATOR UNIT
Clarence E. Peck, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 16, 1940, Serial No. 324,410
4 Claims. (Cl. 23—281)

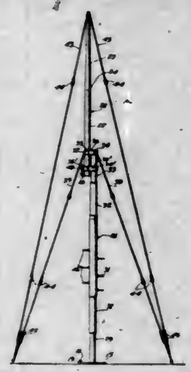
1. A structure of a class described in which hydrocarbon gases can be reacted with oxygen-containing gases, such as air, in the presence of a catalyst for producing a product-gas useful in metal heat-treating, comprising: a gas-generator having non-metallic refractory walls defining an elongated sloping but generally horizontal reaction chamber having a length considerably in excess of its height, said walls including a top wall lengthwise of said reaction-chamber and spaced upright side walls, said top wall comprising readily removable tile over the reaction-chamber, including blocks individually spanning the reaction-chamber and supported by said

spaced upright side walls, an outer gas-tight metallic casing for said walls, said casing including a detachably-secured top-portion over said readily removable tile, gas-inlet means at one end of said reaction chamber, gas-outlet means at



the other end of said reaction chamber, electric heating-means distributed in said reaction-chamber, and a removable bed of a divided gas-pervious catalyst substantially filling the remainder of said reaction chamber.

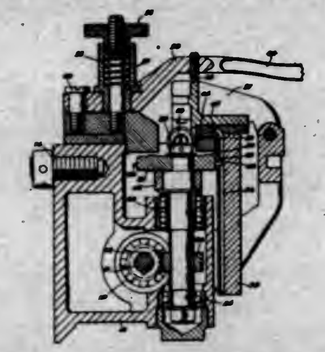
2,356,085
RADIO ANTENNA MAST
Henry C. Pfaff, Jr., East Orange, N. J.
Application April 26, 1943, Serial No. 484,672
6 Claims. (Cl. 189—26)



5. In a radio antenna mast, a platform, a tubular element constituting the upper section of said mast, complementary means on said tubular element and platform pivotally securing one end of said element to said platform whereby said element may be pivoted on said platform to a vertical position, a second tubular element, and positioning means on said platform adapted to be engaged by said second tubular element to facilitate the vertical positioning of said second element on said platform.

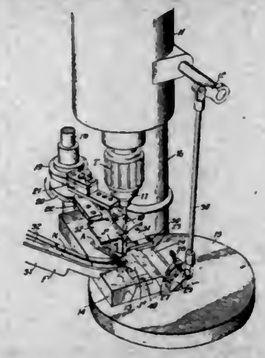
2,356,086
MACHINE FOR MAKING FASTENER STRINGERS
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application April 17, 1941, Serial No. 389,012
8 Claims. (Cl. 18—1)

7. In a machine for making fastener stringers from a continuous strip of integrally joined fastener members, each fastener member having a head portion at one end and a slotted portion at the other end, the slotted portions all being aligned on one side of the strip, the combination consisting of a guide for such a fastener member strip, means for feeding a tape in a direction transversely of the fastener member strip, and in alignment with the end fastener member of the strip, means for moving said guide back and forth to place such end member in engagement with the tape and a knife mounted closely adjacent said tape with its guiding edge projecting beyond the edge of the tape in position to sever the end member from the strip upon



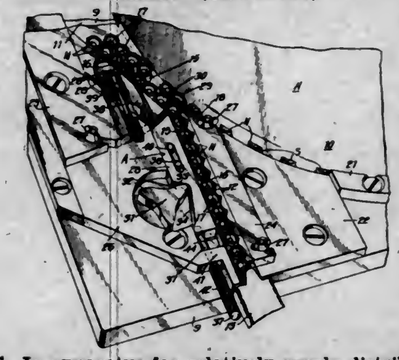
movement of such end member into engagement with the tape, and means for intermittently advancing the tape in the guideway to move the fastener members successively into alignment with said tape, which consists of a rotating shaft, a thread-like helical cam mounted on said shaft in an eccentric position, said thread-like cam being in constant engagement with at least one of the slots in the fastener member strip, the eccentric mounting of said cam on said shaft being such as to synchronize the movement thereof in timed relation with the back and forth movement of said fastener strip guide.

2,356,087
COUNTERSINKER OR THE LIKE FOR NUTS
Michael K. Prokul, Maplewood, N. J., assignor to Elastic Stop Nut Corporation of America, a corporation of New Jersey
Application March 23, 1943, Serial No. 480,167
5 Claims. (Cl. 10—75)



1. Apparatus for performing a countersinking or the like operation on a plurality of hexagonal articles such as nuts, comprising a feed chute; a pair of jaws disposed adjacent the lower end of said chute and along a path extending at an angle to the lower end of said feed chute, said jaws having cooperating complementary forks adapted to close upon opposite sides of a hexagonal article to clamp said article; and means for moving said jaws in a direction away from the lower end of said feed chute and simultaneouly closing said jaws, and also returning said jaws in a direction toward said chute and simultaneously causing said jaws to separate, whereby said jaws are adapted to move an article from said feed chute to a predetermined position, clamp said article securely in said position while a tool operation is performed thereon, move said article away from said position and release the same, and then receive another article from said chute.

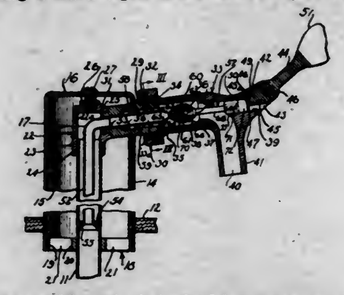
2,356,088
DISTRIBUTING APPARATUS
Michael K. Prokul, Maplewood, N. J., assignor to Elastic Stop Nut Corporation of America, a corporation of New Jersey
Application April 20, 1943, Serial No. 483,816
7 Claims. (Cl. 10—170)



1. In apparatus for relatively evenly distributing articles such as nuts or the like to a feed chute, a base disposed at an angle to the horizontal; a rotatable selective hopper mounted on said base, said hopper being provided about its bottom periphery with a plurality of open-ended slots conforming in shape to at least a portion of the cross-section of said articles; a substantially enclosed passage disposed about a portion of said hopper, said passage extending from a point adjacent the lowest point of the bottom periphery of said hopper and up alongside said hopper, in a direction corresponding to the direction of rotation of said hopper; at least one fed chute; at least one channel leading from the lower end of said passage to a feed chute; a reciprocable block forming the lower wall of said passage, said block having a cut-away section providing a shoulder; and a rotating cam having a plurality of leaves for successively engaging said shoulder.

2,356,089
FAUCET
Frank E. Rice, deceased, late of Detroit, Mich., by Nelson E. Rice, administrator, Detroit, Mich.
Original application October 4, 1940, Serial No. 359,661, now Patent No. 2,331,729, dated October 12, 1943. Divided and this application February 13, 1942, Serial No. 430,752
2 Claims. (Cl. 251—132)

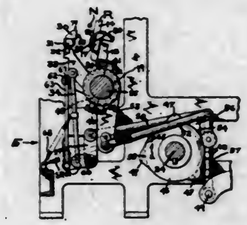
1. In a fluid faucet, a union nozzle assembly having male and female portions, said female portion comprising a hollow coupling sleeve, an outwardly extending peripheral flange adjacent one end of said sleeve, a slot in said flange, concentric bores in said sleeve, and a coupling nut embracing said sleeve and having an inwardly extending flange at one end for abutment against said sleeve flange and interior threads at its other end, said male portion comprising a hollow T-shaped spigot, a valve chamber at one end of said spigot, a reduced bore adjacent thereto defining with said valve chamber a valve seat, said reduced bore being continued in one branch in an axial direction in a guide cylinder of reduced diameter and being continued in another branch in an angular direction as an outlet, the end of said spigot opposite said valve chamber having a U-shaped cross section with spaced side walls and a web portion, a cam actuator connected to and between said spaced side walls and having angular cam surfaces defining a rounded corner therebetween, exterior threads on the valve chambered end of said spigot for engagement by the interior threads of said coupling nut, a resilient washer between the ends of said coupling sleeve and spigot effecting a fluid-tight union assembly when coupled by said nut, interlocking means on said sleeve and spigot for holding them in alignment when connected together, a valve structure in said union assembly for opening and closing said outlet comprising a head in said valve chamber, a recess in one end of said head, an apertured resilient valve having a portion seated within said recess and a rounded portion extending beyond said head, a sleeve in said resilient valve having a flange engaging an end thereof, a shaft having a threaded end for insertion through said sleeve and threadedly engaging said head, a flange on said shaft abutting the flange of said sleeve to hold said resilient valve on said head, an enlarged guide on the other end of said shaft terminating in a rounded end and seated for sliding movement in said guide cylinder, a tubular shank at the opposite end of said head in the concentric bores of said sleeve, orifices in said head communicating with the interior of said shank, and a coil spring in one of the concentric bores of said sleeve embracing said reduced tubular shank for normally maintaining said valve against said seat, said cam actuator engaging said enlarged guide on the valve structure for moving the latter into and out of engagement with said valve seat.



2,356,090
AXMINSTER LOOM
Walter Y. Robb, Whitinsville, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application September 4, 1942, Serial No. 457,252
1 Claim. (Cl. 139—8)

In an Axminster loom having tube frames from which project tuft yarns, a lay having

spaced reed dents and a member secured thereto, lay actuating means to reciprocate the lay and cause the reed dents to move backwardly and forwardly, spaced guide plates in front of the lay, each plate aligned with one of the reed dents, cam controlled means operative to move the guide plates rearwardly to positions in proximity to but normally spaced from the reed dents when the latter are in rear position to form with said reed



dents guide aisles for the tuft yarns, and stop means including a part operatively connected to and moving with the guide plates and a second part for engagement with the first part and connected to said member on the lay, one of said parts being a rod with a slot therein and the other part projecting into the slot, said stop means limiting movement of the guide plates toward the reed dents.

2,356,091
COPOLYMERS OF SULPHUR MODIFIED POLYHALOPRENES
Milton John Roedel, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 20, 1942, Serial No. 443,716
19 Claims. (Cl. 260—42)

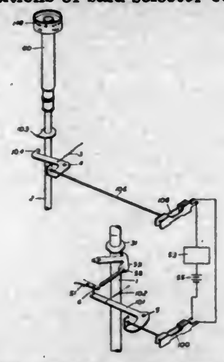
18. A co-polymer obtained by emulsion co-polymerization of a polymerizable monomeric compound of the class consisting of methacrylic acid and its derivatives which form methacrylic acid when subjected to hydrolyzing conditions and a member of the group consisting of sulphur-modified polymers of 2-halo-1,3-butadienes and sulphur-modified interpolymers of 2-halo-1,3-butadienes with compounds containing the group



which interpolymers contain in excess of 50% of the 2-halo-1,3-butadiene, said sulphur-modified polymers and sulphur-modified interpolymers being those produced by polymerizing the monomeric compounds in emulsion form in the presence of 0.1% to 2.0% of sulphur.

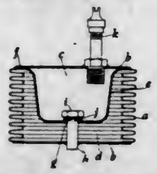
2,356,092
PRINTING TELEGRAPH APPARATUS
Reginald Dennis Salmon, Croydon, England, assignor to Creed and Company Limited, Croydon, England, a British company
Application March 4, 1943, Serial No. 477,925
In Great Britain March 31, 1942
5 Claims. (Cl. 178—69)

1. In a printing mechanism, an electrical alarm system responsive to special signals comprising a circuit including two separate actuating means and an alarm operative when said means are simultaneously actuated, printing means, a selector associated therewith, means adapted to operate one of said actuating means in predetermined positions of said selector corresponding



to the special signals, synchronized signal responsive means for actuating said selector and means operative at the end of a selecting cycle of said selector for operating said second actuating means.

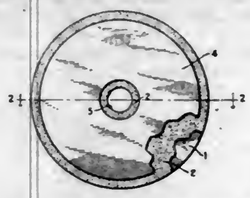
2,356,093
CUSHION, SHOCK ABSORBER, VIBRATION DAMPER, OR THE LIKE
Achilles Charles Sampietro, Coventry, and Wilfred Thomas Oliver, Leamington, England, assignors to Humber Limited, Coventry, England
Application January 20, 1943, Serial No. 473,016
In Great Britain July 22, 1942
3 Claims. (Cl. 267—64)



1. A device adapted to serve as a cushion, shock absorber, vibration damper, or the like, and comprising in combination a contractible and extensible hollow cylindrical body consisting of corrugated metal and having closure plates at its ends, a cup-shaped member arranged within the body in rigid association with one of the said plates and serving to divide the interior of the body into two compartments, and a stem secured to the other of the said plates and extending through a hole in the cup-shaped member, the size of the hole being such as to provide around the stem a restricted passage through which the two compartments intercommunicate, and the said body being adapted to be occupied in part by oil or other liquid which can flow through the restricted passage when the body is contracted or extended.

2,356,094
METHOD OF TREATING SELENIUM ELEMENTS
Otto Saslaw, Lyndhurst, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 11, 1943, Serial No. 475,569
5 Claims. (Cl. 175—366)

4. The method of treating a selenium element having a selenium layer sandwiched between a carrier plate and a counterelectrode which com-

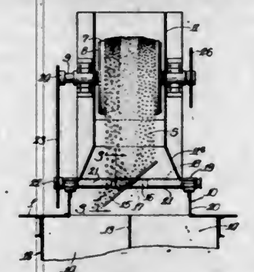


prises steaming the element and then electroforming it while still moist.

2,356,095
PROCESS FOR THE PURIFICATION OF HYDROCARBON LIQUIDS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application January 27, 1942, Serial No. 428,445
6 Claims. (Cl. 196—30)

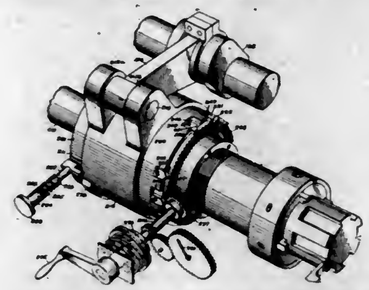
1. The process for the purification of hydrocarbon liquids containing six or more carbon atoms which comprises contacting said liquids under conditions which promote removal of impurities without substantial molecular rearrangement with a reagent comprising essentially a comminuted mixture of anhydrous aluminum chloride and a substantially completely dehydrated granular adsorbent carrier selected from the group consisting of bauxite, synthetic alumina, silica and clays.

2,356,096
MIXING DISTRIBUTOR
Edward W. Shallock, Chicago, Ill., assignor to American Ore Reclamation Company, Chicago, Ill., a corporation of New York
Application May 14, 1942, Serial No. 442,947
7 Claims. (Cl. 259—18)



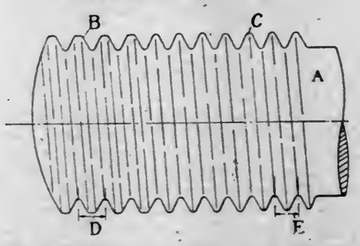
1. In a mixing distributor for supplying to a plurality of machines a mixture of materials to be treated, a plurality of hoppers, a chute overlying and discharging downward into said hoppers, means for delivering the materials downward into said chute in a stream, and a unidirectional rotating deflecting plate disposed in the path of and at an inclination to the falling stream of materials to split the same, said plate being generally edgewise to the falling stream of materials and of such extent that its edge progressively traverses the stream for substantially the full width thereof and alternately from one side to the other side of the stream during rotation of said plate.

2,356,097
INDEXING MECHANISM
Richard B. Stanley, Chicago, Ill., assignor to La Salle Designing Company, Chicago, Ill., a partnership composed of Alfred J. Conn, Albert S. Ginsburg, and Abraham Snide
Application September 9, 1943, Serial No. 501,710
7 Claims. (Cl. 90—56)



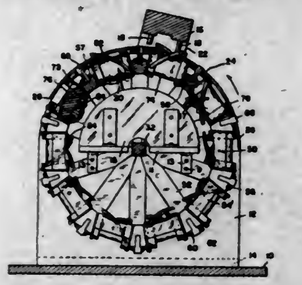
1. In combination, a work driving shaft, a drum rotatably mounted on said shaft, means for oscillating said drum, an indexing mechanism interconnecting said drum and said shaft, said indexing mechanism comprising an index plate secured to said shaft, said index plate having a plurality of holes concentrically located about its center at a spacing not greater than the extent of oscillation of said drum, a spring pressed plunger in said drum arranged to engage in any one of said holes and thereby drive said work driving shaft, means for retracting said plunger out of engagement in one of said holes at the end of one stroke of the drum, braking means for stopping said index plate at the point of complete retraction, and means for releasing said plunger during the reverse stroke of the drum, said plunger engaging another hole of said index plate at the end of the reverse stroke thereby angularly indexing said work driving shaft with respect to said drum by an amount equivalent to the spacing between said first and second engaged holes.

2,356,098
THREADED ELEMENT
Leo Caspar Steinle, Wimbledon, London, and Cedric Harold Hanwell, Cogenhoe, England
Application February 15, 1943, Serial No. 475,995
In Great Britain December 29, 1942
4 Claims. (Cl. 151—32)



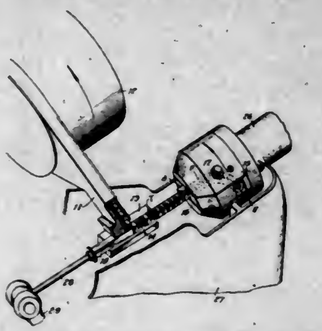
2. A two-part self-locking continuous thread of constant effective diameter, constant root diameter and constant outside diameter having one part composed of a plurality of helical convolutions at a predetermined helical angle and a further part composed of a plurality of helical convolutions joined to, identical with but mismatched in relation to said former convolutions.

2,356,099
SAUSAGE LINKING MACHINE
Richard Swoboda, Sr., Detroit, Mich.
Substituted for abandoned application Serial No. 162,806, September 7, 1937. This application January 14, 1942, Serial No. 426,746
42 Claims. (Cl. 17—34)



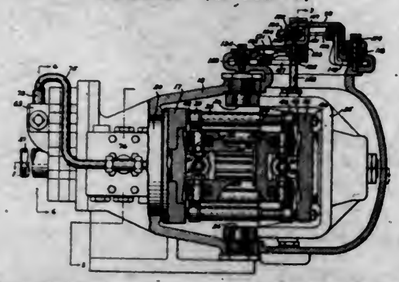
1. In a sausage linking machine, pinching means comprising a pair of plates slidable toward and away from each other, each plate having forwardly extending arms defining a V-shaped opening, the arms of each plate lying on opposite sides of a central plane and overlapping the corresponding arms of the other plate to form a generally quadrilateral opening of variable size, resilient means biasing said plates apart, and cam means for moving them together against said resilient means.

2,356,100
NUT TAPPING MACHINE
Henry C. Tangowski, Elizabeth, N. J., assignor to Elastic Stop Nut Corporation of America, a corporation of New Jersey
Application May 22, 1943, Serial No. 487,998
1 Claim. (Cl. 10—139)



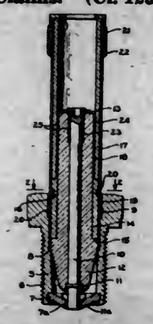
In a nut tapping machine, means for feeding polygonal nuts successively upon a tap, said tap having a relatively long and smooth flexible tail, a driven chuck for rotating said tap, means for securing said tap therein, a passage for said nuts between said feed and chuck and through said chuck to a lateral outlet therefrom, an ear rigidly attached to, adjacent the entrance of, and rotatable with said chuck, said passage polygonal in cross section, conforming to sides of said nuts, said ear presenting a substantially flat surface in alignment with one side of said chuck passage and also a beveled edge, whereby when a nut is not properly positioned when it arrives at said ear, it will be partially rotated thereby and aligned with said passage.

2,356,101
MULTIPLE CYLINDER PUMP
Paul C. Temple, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Application October 9, 1942, Serial No. 461,399
8 Claims. (Cl. 103—5)



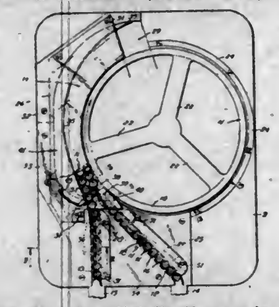
8. A fluid pump comprising a casing, a series of fluid displacement units located within the casing and each including a cylinder and a piston, a drive shaft rotatably mounted in the casing, means connecting the drive shaft with the said units to actuate the same, two chambers each of which is adapted to serve as an inlet chamber while the other serves as an outlet chamber, means to connect each of the said units with the said chambers alternately, means to reverse the fluid flow through the pump during the continuous rotation of the shaft in one direction, means providing an intermediate chamber, a make-up pump driven from the shaft and arranged to deliver pressure fluid to the said intermediate chamber, separate passages connecting the intermediate chamber with each of the said two chambers, a check valve in each passage arranged to open in the direction of flow out of the intermediate chamber, and two spring-loaded relief valves to control flow of fluid between the said two chambers and opening in opposite directions of flow.

2,356,102
IGNITION APPARATUS AND METHOD OF MAKING THE SAME
Tullio Tognola, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 9, 1940, Serial No. 344,508
30 Claims. (Cl. 123—169)



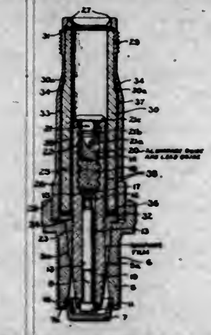
1. In a spark plug, the combination of insulating means for a center electrode, a tubular metallic body member, means including a collar having a shrink fit on said insulating means for supporting the latter in said body member and means extending into a groove in said collar for supporting the latter in said body member.

2,356,103
DISTRIBUTING APPARATUS
Neilson E. Tourjee, Jr., Morristown, N. J., assignor to Elastic Stop Nut Corporation of America, a corporation of New Jersey
Application April 20, 1943, Serial No. 483,815
2 Claims. (Cl. 10—170)



1. Apparatus for distributing nuts or the like, comprising a base disposed at an angle to the horizontal; a rotatable selective hopper mounted on said base, said hopper being provided about its bottom periphery with a plurality of open-ended slots conforming in shape to at least a portion of the cross-section of the articles to be distributed; a passage extending around a portion of said hopper, from a point adjacent the lower end and up alongside said hopper, in a direction corresponding to the direction of rotation of said hopper; a cover for said passage; resilient means forming the lateral wall of said passage opposite said hopper; blocks attached to said base and defining a channel leading from the lower end of said passage, one of said blocks extending in spaced relation to said hopper to provide a support for said passage cover; and an inclined slot in said block for leading chips or the like from behind said resilient means.

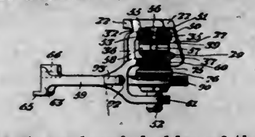
2,356,104
SPARK PLUG AND METHOD OF MAKING THE SAME
Tullio Tognola, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 11, 1941, Serial No. 414,652
39 Claims. (Cl. 123—169)



1. A spark plug comprising a cylinder engaging shell, a ground electrode secured in said shell, a center electrode assembly comprising a unitary tubular insulator, a metallic conducting spindle in said insulator, said spindle terminating at one end intermediate the ends of said insulator and having an enlarged head portion at the other end thereof in spark gap relation with said ground electrode and in engagement with a laterally extending surface of said insulator, a comparatively soft metallic ring surrounding said one end of the spindle and pressed between an internal shoulder in said insulator and an outwardly rolled portion of said spindle, a compacted layer of powdered graphite in said insulator adjacent the end of said spindle, a rigid mass of non-conducting filling material comprising aluminum and lead oxides in said insulator adjacent said layer, a terminal pin projecting into said insulator and partially embedded in said rigid mass and an electrical conductor of small cross-section extending through said rigid mass and contacting said graphite layer and terminal pin, a tapered sleeve of deformable metal wedged between said insulator and a tapered wall of said shell, said sleeve constituting the sole means for supporting said electrode assembly in said shell, a thin layer of powdered graphite interposed between the engaging surfaces of said insulator and sleeve, and means secured in said shell for holding said sleeve against movement out of said shell, said last-named means comprising a metallic shielding barrel and an insulating liner therefor, said liner including a ceramic tube placed end to end with at least one yieldable stack of insulating washers.

17. The method of making a spark plug which comprises the steps of making a tubular insulator, securing an electrode in a portion of the bore of said insulator, compressing a layer of finely divided graphite in said bore adjacent the end of said electrode, placing a fine wire in contact with said layer, the ends of said wire projecting from said insulator, filling the remaining portion of said bore with a mixture comprising aluminum and lead oxides, heating said mixture to the fusing temperature of said lead oxide to convert said mixture into a mass which is plastic in nature, inserting a terminal pin into said plastic mass and into contact with said wire, and permitting said plastic mass to solidify.

2,356,105
BRUSH HOLDER FOR ELECTRIC MOTORS
Wilmer P. Uhler, Tottenville, N. Y., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application May 5, 1942, Serial No. 441,793
10 Claims. (Cl. 171—324)



1. A commutator brush holder of the class described, having a frictionally retained support comprising a stud, a brush mounting rotatably engaged with said support, a brush carried by said mounting, and a spring preferably formed of flat spring wire, cooperatively engaged with said stud, spirally coiled and having its free end pressing forwardly in a plane centrally intersecting said brush normal to its transverse width and urging said brush into operative engagement with the commutator.

2,356,106
RAZOR BLADE DRIER AND CONTAINER
Samuel S. Vineberg, Buffalo, N. Y.
Application September 23, 1942, Serial No. 459,400
7 Claims. (Cl. 206—46)

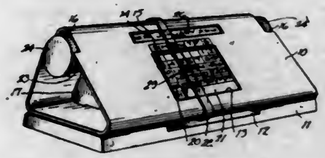
1. A razor blade drier and container comprising a cover of relatively thin stiff sheet material

having two leaves hingedly connected to close and open towards and from each other like the covers of a book, and a filler consisting of a separate long narrow strip of absorbent sheet material pleated to form folded leaves and disposed between the cover leaves with its pleat folds parallel with the free end edges of the cover leaves, said filler strip being secured at



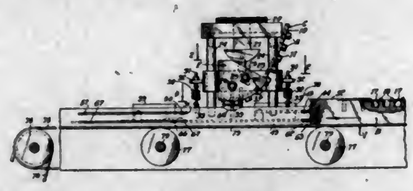
one end thereof to the inside of one of said cover leaves, said cover having at its opposite sides foldable flaps adapted to be folded inwardly between the cover and said filler when the filler leaves are closed together, and means integral with said cover for releasably fastening the leaves in closed position to retain one or more blades in place between said absorbent leaves.

2,356,107
DESK CALENDAR
Kurt M. Vogel, Trumbull, Conn.
Application January 20, 1943, Serial No. 472,925
3 Claims. (Cl. 40—107)



1. In a calendar device, a casing element of non-circular cross-section sleeve form having a rectangular monthly calendar sight opening and in spaced relation thereto a month-indicating sight opening, and indicia along one longitudinal edge of said monthly calendar sight opening indicating the days of the week, a monthly calendar element slidably engaged in said casing element having upon one side indicia indicating the days of a month arranged longitudinally in thirteen days-of-the-week rows and transversely in weeks-of-the-month rows, said monthly calendar sight opening corresponding in its length dimension to seven of said days-of-the-week rows and said monthly calendar element being longitudinally movable within said casing element to adjust the relative position of said indicia in said sight opening to expose a complete monthly calendar starting at any day of the week, a rotatable month-indicating element in said casing element having bearing upon a surface of said monthly calendar element and said casing element and rotatable upon an axis parallel to the direction of sliding movement of said monthly calendar element and having twelve spaced groups of indicia thereon each indicating the respective months of the year and the first day and the number of days of the respective months, said month-indicating element being adjustably movable within said casing to individually display the respective month indications in said month-indicating sight opening.

2,356,108
LOADING APPARATUS
Karl Axex Ragnar Wahlstedt, East Orange, and John H. Newsome, Rahway, N. J., assignors to Elastic Stop Nut Corporation of America, a corporation of New Jersey
Application June 19, 1943, Serial No. 491,572
9 Claims. (Cl. 10—162)



1. Loading apparatus comprising a device for feeding a plurality of nuts or the like to a bar provided with holes for receiving said nuts, said device having a passage along which nuts may flow; means for supporting said device with said passage in an inclined position whereby said nuts slide downwardly by gravity; a conveyor for moving said bar along a path passing underneath at least the end of said device; and means for moving at least the end of said device generally upwardly and downwardly.

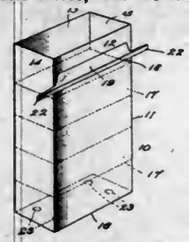
2,356,109
FOUNTAIN PEN
Joseph Wallace, Cedarhurst, N. Y.
Application March 21, 1942, Serial No. 435,735
3 Claims. (Cl. 120—42)

1. An ink sack for fountain pens composed of a material other than rubber, said sack comprising an elongated body of a plastic material such as "Vinylite," the wall structure of said tubular body having the characteristics of presenting longitudinal rigidity, free compressibility and being automatically returnable to extended form when means compressing said body is released, the thickness of the wall of said tubular body contributing longitudinal rigidity thereto, means at one end of said tubular body constituting a sealed end, said last named means comprising united opposed wall portions of the tube forming a rib like sealed section at said end of the tube, said rib section in combination with the longitudinal rigidity of said tubular body facilitating assemblage of the tubular body in the pen barrel, said rib section being arranged within longitudinal boundaries of said body and assisting in returning the tubular body when compressed to expanded form.

2,356,110
PACKAGE AND CLOSURE THEREFOR
Harry F. Waters, New York, N. Y.
Application September 17, 1940, Serial No. 357,080
7 Claims. (Cl. 206—46)

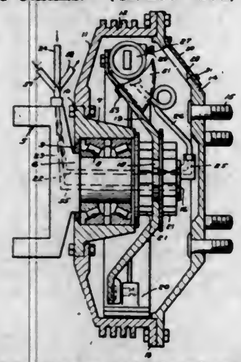
1. A package for holding units of merchandise substantially conforming to the cross section

thereof which comprises a bag adapted to hold a plurality of such units, and at least one air out-



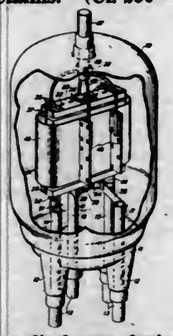
let port in the lower portion of said bag to facilitate the escape of air therefrom during filling.

2,356,111
VEHICLE WHEEL BRAKE
Elmer Theodore Weeks and Faye M. McCulley, Scott Bar, Calif.
Application May 9, 1942, Serial No. 442,354
3 Claims. (Cl. 188—264)



1. In combination, a vehicle wheel including a hollow brake drum, an axle for the wheel having air intake and return passages therein communicating with the drum, and means connected to the passages of the axle for circulating air through the drum.

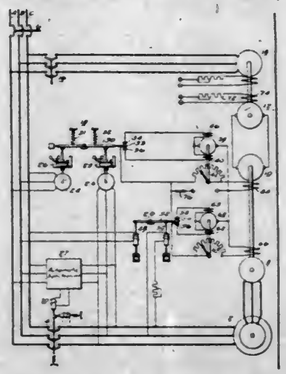
2,356,112
ELECTRON DISCHARGE DEVICE
John W. West, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 27, 1943, Serial No. 480,763
12 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an enclosing vessel having rigid conductors disposed

longitudinally in pairs in a stem, a unitary mount within said vessel including a plurality of electrodes and end insulating members supporting said electrodes in a plane coincident with two of said conductors, means including certain of said electrodes connecting said mount directly to one of said pairs of said conductors, and reenforcing brace members extending transversely from said mount to the conductors of another of said pairs of conductors and coupling other electrodes thereto.

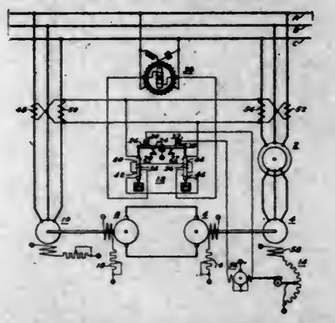
2,356,113
CONTROL SYSTEM
Tracy C. Wetherby, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1942, Serial No. 463,612
8 Claims. (Cl. 172—274)



8. In a control system for a wound rotor induction motor having stator and rotor windings, switch means operable to connect said stator winding to a main source of alternating-current power, a first motor generator set comprising an alternating-current machine connected directly to said rotor winding and a direct-current machine, a second motor generator set comprising a direct-current machine connected in electrical relation with the direct-current machine of the first motor generator set and an alternating-current machine, means operable to connect the alternating-current machine of the second motor generator set to the main power source to cause the second motor generator set to operate the first motor generator set and thereby energize the said rotor winding and induce a voltage in the said stator winding, first electroresponsive means operable to vary the excitation of the direct-current machine of the first motor generator set, first relay means jointly responsive to the frequencies of the power source and the stator winding operable to control the operation of said first electroresponsive means to cause the first motor generator set to operate at such speed as to match the frequency of the stator winding with that of the power source, second electroresponsive means operable to vary the excitation of the alternating-current machine of the first motor generator set, second relay means jointly responsive to the potentials of the power source and the stator winding operable to control the operation of said second electroresponsive means to cause said alternating-current machine to develop a voltage of such value as the voltage of the stator winding will match the voltage of the

power source, an automatic synchronizer connected between the power source and the stator winding operable to effect closure of said switch means to connect the stator winding to the power source in response to a synchronous condition therebetween, and rheostat means operable to control the excitation of the direct-current machine of the second motor generator set whereby a decrease in the excitation thereof initiates the operation of the induction motor and determines the speed of operation thereof.

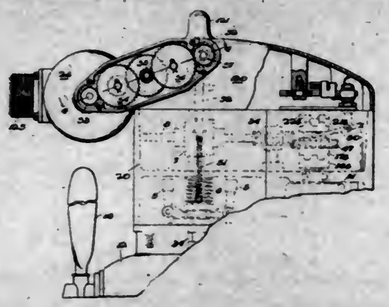
2,356,114
CONTROL SYSTEM
Tracy C. Wetherby, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1942, Serial No. 463,613
4 Claims. (Cl. 172—274)



4. In a control system for an induction motor having primary and secondary windings and having one of its windings connected to be energized from a source of alternating-current power, a first alternating-current machine connected in circuit with the other winding, a second alternating-current machine connected to the source of alternating-current power, power transfer means for transferring power between the first and second alternating-current machines, means for so controlling said power transfer means as to vary the speed of the induction motor, and means responsive to the power factor of the power flow between the source of alternating-current power and the induction motor and the second alternating-current machine for controlling the excitation of the first alternating-current machine, said means including a differential relay having opposed current windings connected to be energized in accordance with the sum of the load currents of the induction motor and the second alternating-current machine and opposed potential windings connected to be energized in accordance with the potential of the source of alternating-current power.

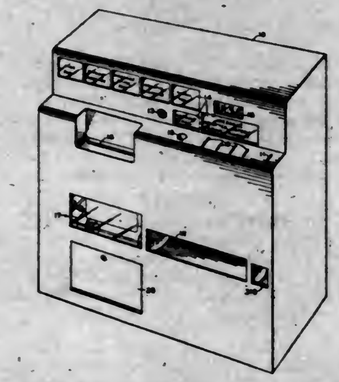
2,356,115
POWER PLANT SYNCHRONIZATION
Raymond T. Zwack, West Caldwell, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 17, 1942, Serial No. 455,155
1 Claim. (Cl. 60—97)

In a valve control mechanism for the hydraulically shifted propeller blades of a multi-engined aircraft power plant, a shiftable plunger, a pair of nested springs bearing upon one end of said plunger, manually controlled power means including an electric motor and a motor-driven gear rotatable about the common axis of said nested springs for varying the loading of one of said springs, and engine-driven synchronous electrical means including a second electric motor for varying the loading of the other



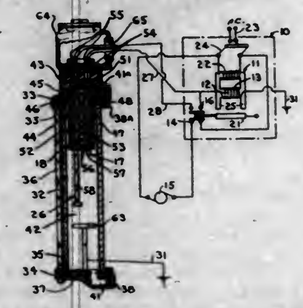
of said springs, to produce a plunger setting which will correspond to a condition of synchronism of the engines which drive said synchronous electrical means, and a single housing to enclose and support both said electric motors; one of said motors being supported in the cover portion of said housing.

2,356,116
SYSTEM AND APPARATUS FOR FACSIMILE TELEGRAPHY
Garvice H. Ridings, Summit, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 26, 1941, Serial No. 412,405
19 Claims. (Cl. 178—6.6)



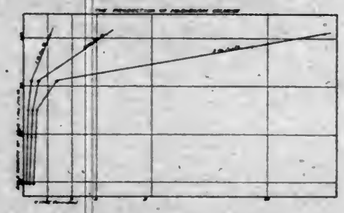
1. A facsimile system including a communication circuit, transmitting apparatus connected to said circuit for transmitting message signals over said circuit representative of the subject matter on a customer's message blank, receiving apparatus connected to said circuit for recording said signals, customer operated means for conditioning said transmitting apparatus for transmitting the message on said blank over said circuit, a cost indicating mechanism at said transmitting apparatus, means controlled from said receiving apparatus for operating said mechanism to indicate to the customer the cost of said message, a normally closed coin slot, and means controlled from said receiving apparatus for opening said slot to receive a coin.

2,356,117
HYDROELECTRODE CONTROL
William C. Buttner, Winnetka, Ill., assignor to The Bastian Blessing Co., Chicago, Ill., a corporation of Illinois
Application November 1, 1940, Serial No. 363,951
4 Claims. (Cl. 200—152)



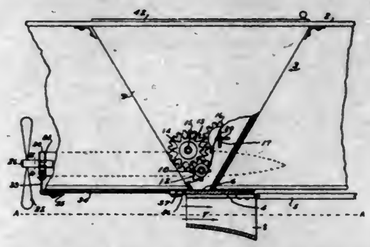
1. A hydroelectrode control for carbonators comprising a gauge glass means defining a pressure compartment in which the level of carbonated water varies in relation to a controlled body of carbonated water and including a wall having high heat conductivity dividing two fluid bodies which have different temperatures, an electrode disposed in the compartment, a carbon button on the lower end of the electrode of greater diameter than the electrode, and means having low conductivity of heat supporting the electrode and extending into the compartment of the lower temperature and spaced from said wall a substantial distance.

2,356,118
PRODUCTION OF ANHYDROUS MAGNESIUM CHLORIDE
Lloyd Montgomery Pidgeon, Rockcliffe Park, Ontario, and Norman William Frederick Phillips, Ottawa, Ontario, Canada, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of the Dominion of Canada
Application February 17, 1941, Serial No. 379,254
In Canada April 3, 1940
3 Claims. (Cl. 23—91)



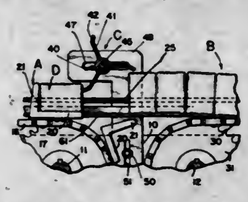
1. In the production of anhydrous magnesium chloride the method which comprises passing chlorine through a heated mass of particles of carbon and discrete particles of magnesium oxide, the latter particles having an apparent density not more than 2.5 nor less than 1.5, a bulk density of not more than substantially 85 lbs. per cubic foot and a diameter of not less than substantially 1.0 millimeter and being free to move relatively to the carbon particles.

2,356,119
AIRPLANE INSECTICIDE DISSEMINATION APPARATUS
George Curtis Quick, Phoenix, Ariz.
Application August 17, 1942, Serial No. 455,159
4 Claims. (Cl. 43—145)



1. In combination with an airplane having a hopper, a hopper discharge gate and connecting means for operating said gate from the plane cockpit, a plurality of agitators operative in the lower portion of said hopper, a driving means for said agitators including an air operated propeller mounted on a driving shaft, a brake mechanism associated with said shaft, a pivoted arm having one of its ends in contact with said hopper gate, and a pull cord connecting the opposite end of said pivoted arm with said brake to set said brake when the gate is closed and to release said brake when the gate is opened.

2,356,120
UPENDING DEVICE
Paul E. Slightam, Palos Heights, Ill., assignor to General Mills, Inc., a corporation of Delaware
Application October 31, 1942, Serial No. 464,051
9 Claims. (Cl. 198—33)

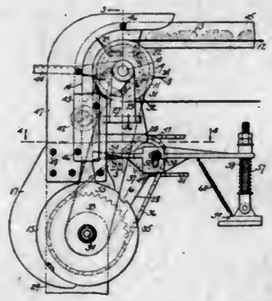


1. Mechanism for upending rectangular cartons from a horizontal to a vertical position comprising a conveyor having flights each adapted to propel a carton, a plate at the tail end of the conveyor, and a resistance member rotatable about an axis located above the path of the cartons and above the plate, said member having radial arms each adapted to engage the advancing upper edge of the forward face of a carton and to offer resistance so that it will rock the carton backwards as it is propelled by the flight across the plate beneath the rotatable member.

2,356,121
BRISTLE FEEDING MECHANISM FOR BRUSHMAKING MACHINES
Henry Cave and Alfred L. Le Febvre, Hartford, Conn., assignors to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application July 22, 1941, Serial No. 403,558
13 Claims. (Cl. 300—7)

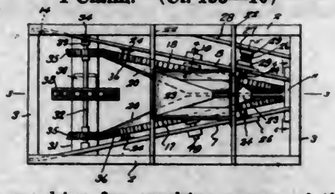
1. A bristle feeding mechanism including a hopper with means for moving bristles from the outlet end thereof, mechanical means for unin-

terruptedly maintaining a constant supply of bristles and for feeding them into the hopper at the inlet end thereof to maintain a constant supply thereat, means for normally exerting an even,



direct, continuous pressure upon said bristle mass at the inlet end of the hopper, and means for exerting lessening pressure upon the bristle mass near but within the outlet end of the hopper.

2,356,122
CRUSHING MACHINE
Harold G. Edwards, Perry, Fla.
Application December 15, 1942, Serial No. 469,093
1 Claim. (Cl. 153—10)

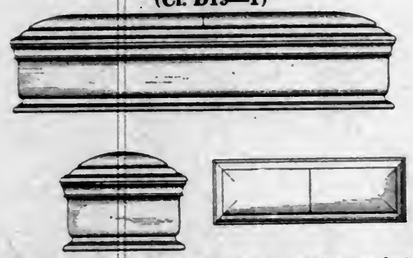


In a machine for crushing cans and the like, a frame, a pair of crusher discs having conical working faces and rotatably mounted in said frame in side-by-side converging relation to dispose said faces close together on one side of the axes of rotation of the discs to form a horizontal bight to which the cans may be fed, and means to rotate said discs in unison, the mounting for one of said discs comprising a swingably mounted plate yieldable to permit said disc to move laterally away from the other disc and prevent jamming of the discs by the cans, said means comprising peripheral teeth on said one disc and a power driven gear constantly meshing with the teeth on said disc during lateral movement of said disc.

DESIGNS

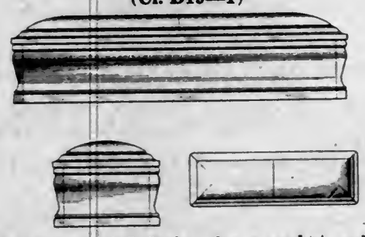
AUGUST 15, 1944

138,491
DESIGN FOR A CASKET
Eugene F. Ayuso, Brooklyn, N. Y.
Application March 29, 1944, Serial No. 113,058
Term of patent 7 years
(Cl. D19—1)



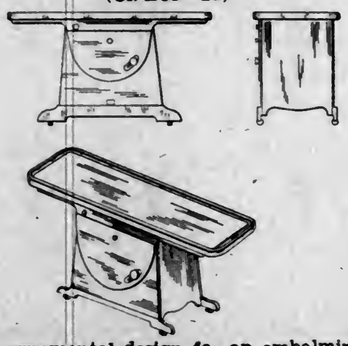
The ornamental design for a casket, substantially as shown.

138,492
DESIGN FOR A CASKET
Eugene F. Ayuso, Brooklyn, N. Y.
Application April 4, 1944, Serial No. 113,131
Term of patent 7 years
(Cl. D19—1)



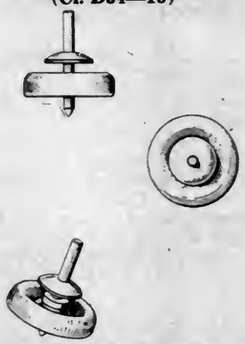
The ornamental design for a casket, substantially as shown.

138,493
DESIGN FOR AN EMBALMING TABLE
Otto J. Day, Toronto, Ontario, Canada
Application February 7, 1944, Serial No. 112,505
Term of patent 7 years
(Cl. D33—14)



The ornamental design for an embalming table, as shown.

138,494
DESIGN FOR A TOP
Edward R. Hacmac, Glendale, Calif., assignor of one-half to Lawson A. Smith, Los Angeles, Calif.
Application May 13, 1944, Serial No. 113,577
Term of patent 7 years
(Cl. D34—15)



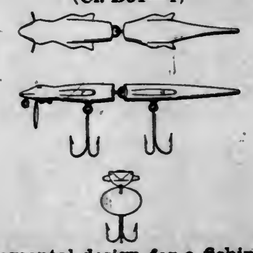
The ornamental design for a top, as shown.

138,495
DESIGN FOR A CRIBBAGE BOARD
Ernest H. Hall, St. Paul, Minn.
Application March 31, 1944, Serial No. 113,096
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a cribbage board, as shown.

138,496
DESIGN FOR A FISHING LURE
Benjamin H. Hatcher, Woodville, Tex.
Application May 17, 1944, Serial No. 113,629
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fishing lure, substantially as shown.

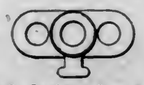
138,497
DESIGN FOR A CASKET
Karl F. Schmidt, Grand Rapids, Mich.
Application March 30, 1944, Serial No. 113,081
Term of patent 7 years
(Cl. D19—1)



The ornamental design for a casket, substantially as shown.

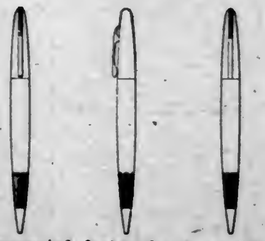
138,498
DESIGN FOR A HOOK ATTACHING DEVICE FOR FISHING LINES OR SIMILAR ARTICLE
Margery Baird, Woodbury, N. J.
Application May 31, 1944, Serial No. 113,820
Term of patent 14 years
(Cl. D31—1)





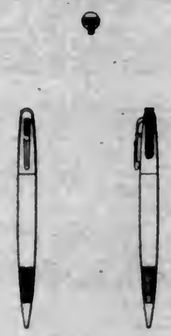
The ornamental design for a hook attaching device for fishing lines or similar article, substantially as shown.

138,499
DESIGN FOR A MECHANICAL PENCIL OR SIMILAR ARTICLE
Garfield L. Beckstrom, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1944, Serial No. 112,311
Term of patent 14 years
(Cl. D74—24)



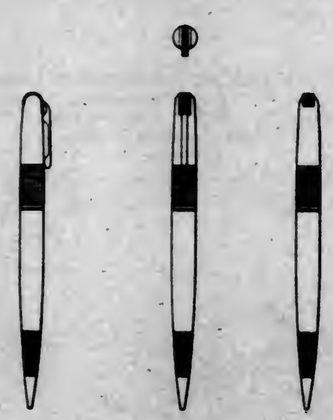
The ornamental design for a mechanical pencil or similar article, substantially as shown and described.

138,500
DESIGN FOR A MECHANICAL PENCIL OR SIMILAR ARTICLE
Garfield L. Beckstrom, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1944, Serial No. 112,312
Term of patent 14 years
(Cl. D74—24)



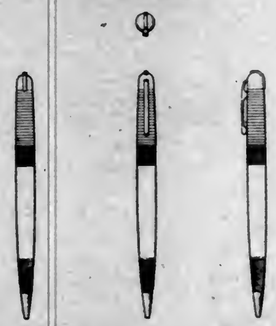
The ornamental design for a mechanical pencil or similar article, substantially as shown and described.

138,501
DESIGN FOR A MECHANICAL PENCIL OR SIMILAR ARTICLE
Garfield L. Beckstrom, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1944, Serial No. 112,313
Term of patent 14 years
(Cl. D74—24)



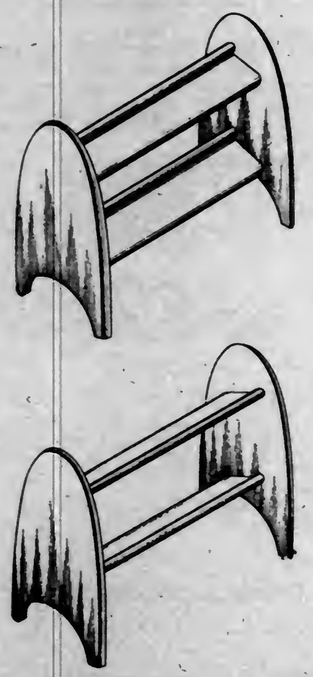
The ornamental design for a mechanical pencil or similar article, substantially as shown and described.

138,502
DESIGN FOR A MECHANICAL PENCIL OR SIMILAR ARTICLE
Garfield L. Beckstrom, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1944, Serial No. 112,314
Term of patent 14 years
(Cl. D74—24)



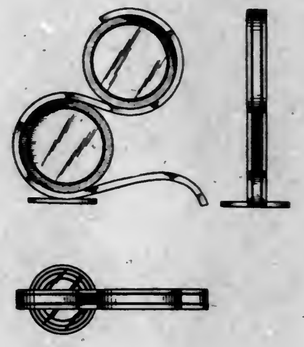
The ornamental design for a mechanical pencil or similar article, substantially as shown and described.

138,503
DESIGN FOR A SHOE RACK
Charles Harvey Churchill, Cortland, N. Y.
Application March 10, 1944, Serial No. 112,839
Term of patent 14 years
(Cl. D80—9)



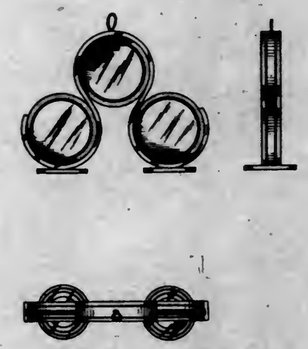
The ornamental design for a shoe rack, as shown.

138,504
DESIGN FOR A PICTURE FRAME OR SIMILAR ARTICLE
Sarkis Cirkinian, New York, N. Y.
Application June 22, 1944, Serial No. 114,118
Term of patent 3½ years
(Cl. D29—20)



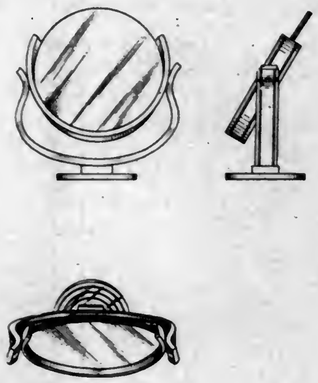
The ornamental design for a picture frame or similar article, substantially as shown and described.

138,505
DESIGN FOR A PICTURE FRAME OR SIMILAR ARTICLE
Sarkis Cirkinian, New York, N. Y.
Application June 22, 1944, Serial No. 114,119
Term of patent 3½ years
(Cl. D29—20)



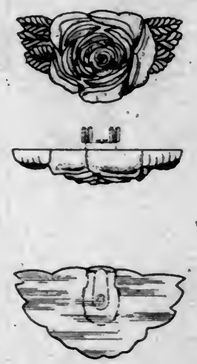
The ornamental design for a picture frame or similar article, substantially as shown and described.

138,506
DESIGN FOR A COMBINED MIRROR AND PICTURE FRAME
Sarkis Cirkinian, New York, N. Y.
Application June 26, 1944, Serial No. 114,191
Term of patent 3½ years
(Cl. D29—20)



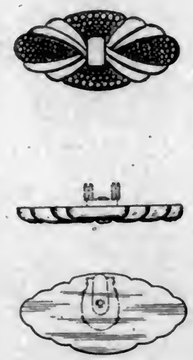
The ornamental design for a combined mirror and picture frame, substantially as shown and described.

138,507
DESIGN FOR A CLASP FOR A HANDBAG OR THE LIKE
John De Pasquale and Alexander Westerman, Brooklyn, N. Y., assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y., a corporation of New York
Application May 27, 1944, Serial No. 113,767
Term of patent 7 years
(Cl. D87—2)



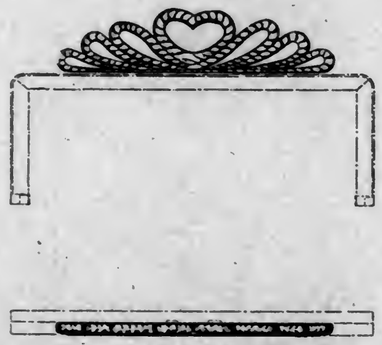
The ornamental design for a clasp for a handbag or the like, substantially as shown.

138,508
DESIGN FOR A CLASP FOR A HANDBAG OR THE LIKE
John De Pasquale and Alexander Westerman, Brooklyn, N. Y., assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y., a corporation of New York
Application May 27, 1944, Serial No. 113,768
Term of patent 7 years
(Cl. D87—2)



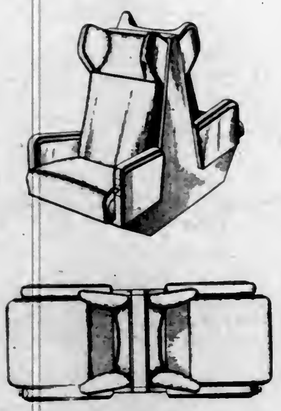
The ornamental design for a clasp for a handbag or the like, substantially as shown.

138,509
DESIGN FOR A FRAME FOR A HANDBAG OR SIMILAR ARTICLE
John De Pasquale and Alexander Westerman, Brooklyn, N. Y., assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y., a corporation of New York
Application May 29, 1944, Serial No. 113,780
Term of patent 7 years
(Cl. D87—2)



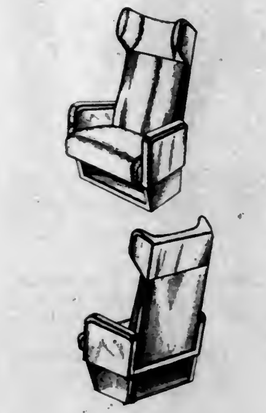
The ornamental design for a frame for a handbag or similar article, substantially as shown and described.

138,510
DESIGN FOR A SEAT UNIT
Henry Dreyfuss, New York, N. Y., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application May 22, 1944, Serial No. 113,705
Term of patent 14 years
(Cl. D15—8)



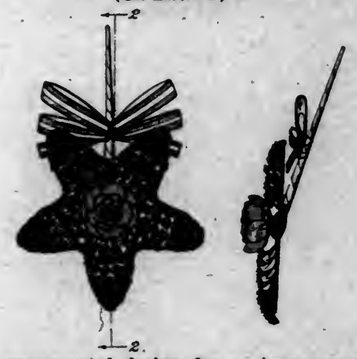
The ornamental design for a seat unit, substantially as shown.

138,511
DESIGN FOR A SEAT
Henry Dreyfuss, New York, N. Y., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application May 22, 1944, Serial No. 113,706
Term of patent 14 years
(Cl. D15—8)



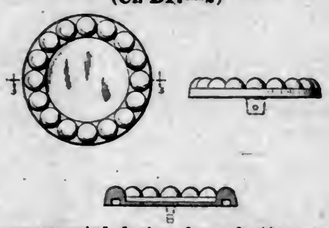
The ornamental design for a seat, substantially as shown.

138,512
DESIGN FOR A STAR CORSAGE OR SIMILAR ARTICLE
Robert Dunie, Chicago, Ill.
Application April 15, 1944, Serial No. 113,267
Term of patent 3½ years
(Cl. D29—1)



The ornamental design for a star corsage or similar article, substantially as shown.

138,513
DESIGN FOR A BUTTON
Charles H. Frank, New Rochelle, N. Y., assignor to Button Rim Corporation, New York, N. Y., a corporation
Application June 24, 1944, Serial No. 114,173
Term of patent 3½ years
(Cl. D17—2)



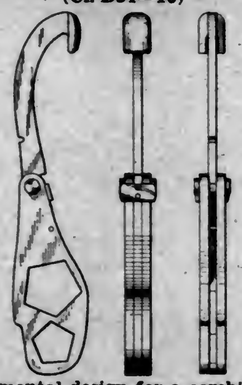
The ornamental design for a button, as shown and described.

138,514
DESIGN FOR AN ANIMAL FIGURE
Floyd F. Golkowski, Cleveland, Ohio
Application June 7, 1944, Serial No. 113,903
Term of patent 7 years
(Cl. D29—20)



The ornamental design for an animal figure, substantially as shown.

138,515
DESIGN FOR A COMBINED WRENCH AND SPANNER
Otto Hardy, Ventura, Calif.
Application April 17, 1944, Serial No. 113,286
Term of patent 7 years
(Cl. D54—16)



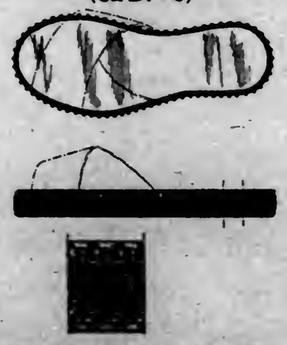
The ornamental design for a combined wrench and spanner as shown.

138,516
DESIGN FOR A MAGNIFYING GLASS
John Michael Mangan, Wilkes-Barre, Pa., assignor of one-half to Joseph Ulevich, Plymouth, Pa.
Application June 13, 1944, Serial No. 113,978
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a magnifying glass as shown.

138,517
DESIGN FOR A SANDAL OR SIMILAR ARTICLE
Jack Meltzer, New York, N. Y.
Application June 23, 1944, Serial No. 114,165
Term of patent 14 years
(Cl. D7—5)



The ornamental design for a sandal or similar article, substantially as shown.

138,518
DESIGN FOR AN EARRING
Alfred Philippe, Providence, R. I.
Application June 28, 1944, Serial No. 114,228
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

138,519
DESIGN FOR AN EARRING
Alfred Philippe, Providence, R. I.
Application June 28, 1944, Serial No. 114,229
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

138,520
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Providence, R. I.
Application June 28, 1944, Serial No. 114,230
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

138,521
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Providence, R. I.
Application June 28, 1944, Serial No. 114,231
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

138,522
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Providence, R. I.
Application June 28, 1944, Serial No. 114,232
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

138,523
DESIGN FOR A CLOTHESPIN
Robert T. Sand, Detroit, Mich.
Application July 19, 1943, Serial No. 110,706
Term of patent 14 years
(Cl. D17—6)



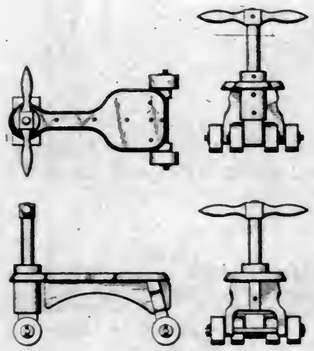
The ornamental design for a clothespin, as shown.

138,524
DESIGN FOR AN UMBRELLA OR SIMILAR ARTICLE
Edward E. Seldis, New York, N. Y.
Application March 30, 1944, Serial No. 113,073
Term of patent 7 years
(Cl. D88—3)



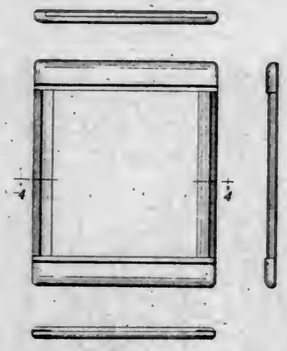
The ornamental design for an umbrella or similar article, substantially as shown and described.

138,525
DESIGN FOR A TOY VEHICLE
Edwin F. Silkman, Baltimore, Md.
Application May 15, 1944, Serial No. 113,595
Term of patent 7 years
(Cl. D34—15)



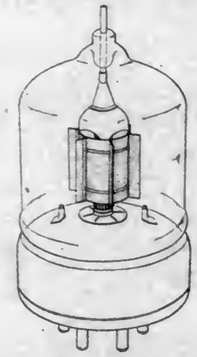
The ornamental design for a toy vehicle, as shown.

138,526
DESIGN FOR A PICTURE FRAME
Philip A. Spaldo, New York, N. Y.
Application June 9, 1944, Serial No. 113,933
Term of patent 14 years
(Cl. D29—20)



The ornamental design for a picture frame, as shown.

138,527
DESIGN FOR A VACUUM TUBE
William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application March 20, 1944, Serial No. 112,965
Term of patent 14 years
(Cl. D26—8)



The ornamental design for a vacuum tube, substantially as shown.

138,528
DESIGN FOR A COAT
Nathan Finkelstein, New York, N. Y.
Application July 12, 1944, Serial No. 114,363
Term of patent 3½ years
(Cl. D3—4)



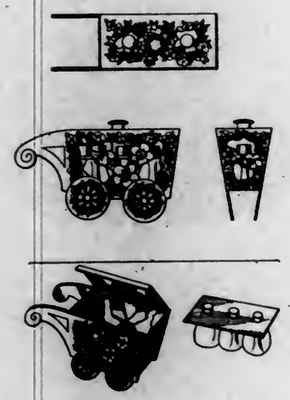
The ornamental design for a coat, substantially as shown.

138,529
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 10, 1944, Serial No. 114,346
Term of patent 3½ years
(Cl. D3—26)



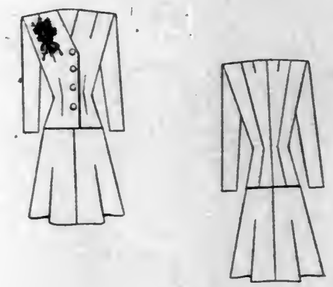
The ornamental design for a dress, substantially as shown.

138,530
DESIGN FOR A BOTTLE DISPLAY CARTON
Robert B. Karoff, New York, N. Y.
Application May 29, 1944, Serial No. 113,789
Term of patent 3½ years
(Cl. D80—5)



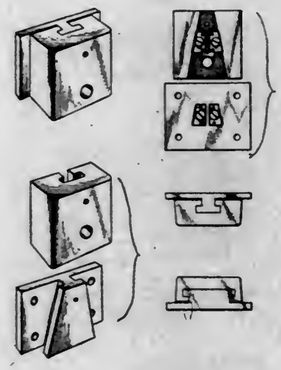
The ornamental design for a bottle display carton, as shown.

138,531
DESIGN FOR A DRESS
Samuel Kuznetz, New York, N. Y.
Application June 10, 1944, Serial No. 113,944
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,532
DESIGN FOR AN ELECTRICAL CONNECTOR
Walter L. Miller, McGregor, Iowa
Application December 29, 1943, Serial No. 112,115
Term of patent 14 years
(Cl. D26—1)



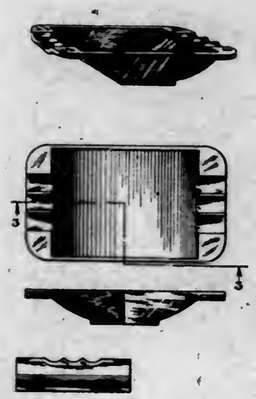
The ornamental design for an electrical connector, as shown.

138,533
DESIGN FOR A JACKET
Samuel Zahn, New York, N. Y.
Application July 12, 1944, Serial No. 114,368
Term of patent 3½ years
(Cl. D3—4)



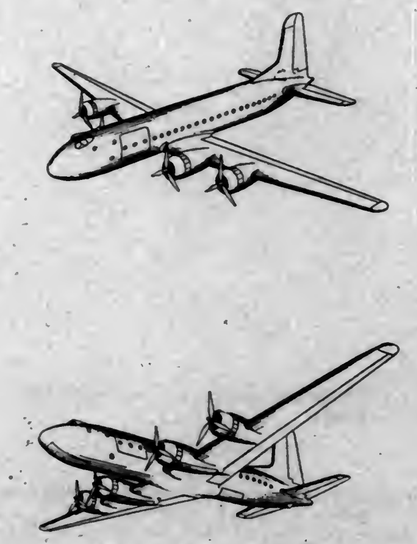
The ornamental design for a jacket, substantially as shown.

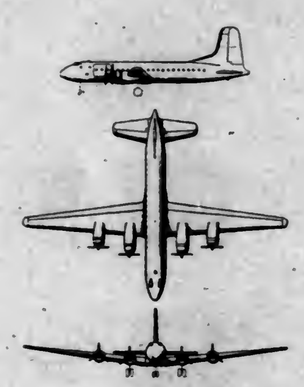
138,534
DESIGN FOR AN ASH TRAY OR ARTICLE OF SIMILAR NATURE
Robert J. Beatty, Columbus, Ohio
Application June 12, 1944, Serial No. 113,957
Term of patent 7 years
(Cl. D85—2)



The ornamental design for an ash tray or article of similar nature, substantially as shown.

138,535
DESIGN FOR AN AIRPLANE
Edward F. Burton, West Los Angeles, and Charles G. Brown, Santa Monica, Calif.
Application September 22, 1942, Serial No. 108,312
Term of patent 14 years
(Cl. D71—1)





The ornamental design for an airplane, substantially as shown.

138,536
DESIGN FOR A COOKY JAR
Lester M. Chace, Pekin, Ill., assignor to Ludowici Celadon Company, Chicago, Ill., a corporation
Application November 8, 1943, Serial No. 111,629
Term of patent 7 years
(Cl. D58—25)



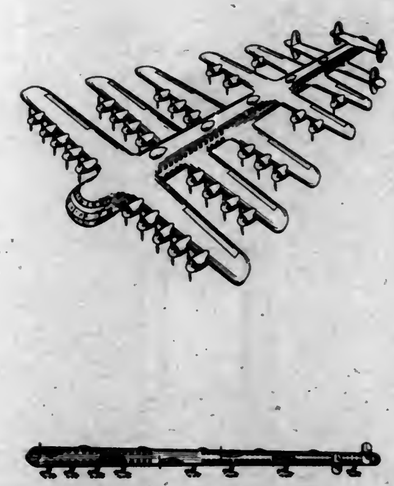
The ornamental design for a cooky jar, substantially as shown.

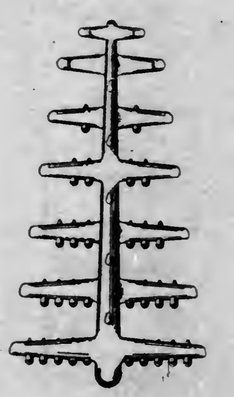
138,537
DESIGN FOR A COOKY JAR
Lester M. Chace, Pekin, Ill., assignor to Ludowici Celadon Company, Chicago, Ill., a corporation
Application November 8, 1943, Serial No. 111,630
Term of patent 7 years
(Cl. D58—25)



The ornamental design for a cooky jar, substantially as shown.

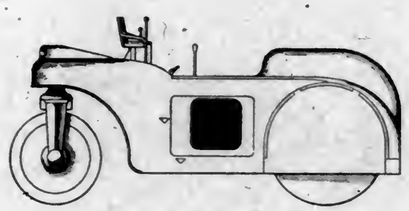
138,538
DESIGN FOR AN AIRPLANE
Leonard F. Clerc, Chicago, Ill.
Application November 6, 1943, Serial No. 111,617
Term of patent 14 years
(Cl. D71—1)

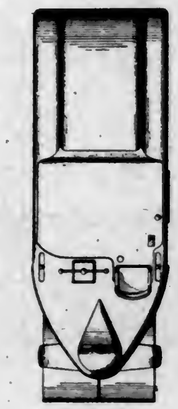




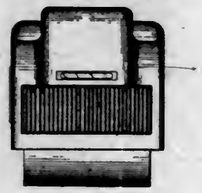
The ornamental design for an airplane, as shown.

138,539
DESIGN FOR A ROAD ROLLER
John F. Harrison and Carl F. Greiner, Springfield, Ohio, assignors to The Buffalo-Springfield Roller Co., Springfield, Ohio, a corporation of Ohio
Application May 1, 1944, Serial No. 113,422
Term of patent 14 years
(Cl. D14—3)









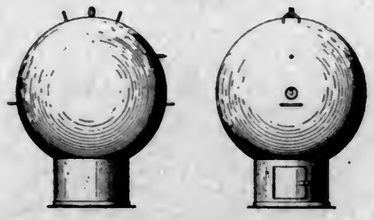
The ornamental design for a road roller, substantially as shown.

138,540
DESIGN FOR AN EMBROIDERED TRIMMING
Herman Krieger, New York, N. Y.
Application July 1, 1944, Serial No. 114,281
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered trimming, substantially as shown.

138,541
DESIGN FOR A RECEPTACLE FOR DOMESTIC GAS SYSTEMS
Charles E. Lenihan, Kansas City, Mo., assignor to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application November 6, 1943, Serial No. 111,610
Term of patent 14 years
(Cl. D52—2)



The ornamental design for a receptacle for domestic gas systems, substantially as shown and described.

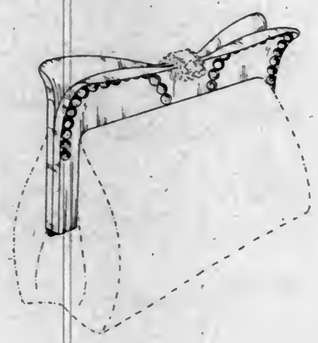
138,542
DESIGN FOR A COVER FOR TRASH CANS
Joseph H. Monson, Denver, Colo.
Application February 16, 1944, Serial No. 112,600
Term of patent 7 years
(Cl. D58—26)





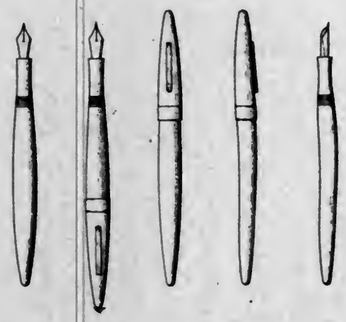
The ornamental design for a cover for trash cans, as shown.

138,543
DESIGN FOR A HANDBAG
Irving Pichel, New York, N. Y.
Application June 9, 1944, Serial No. 113,931
Term of patent 7 years
(Cl. D87—2)



The ornamental design for a handbag, substantially as shown and described.

138,544
DESIGN FOR A FOUNTAIN PEN
Perry L. Rohrer, Oak Park, Ill.
Application May 29, 1944, Serial No. 113,800
Term of patent 7 years
(Cl. D74—17)



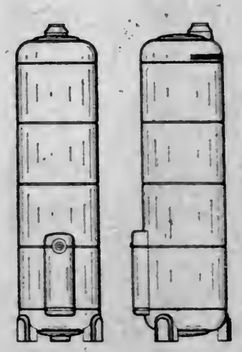
The ornamental design for a fountain pen, substantially as shown.

138,545
DESIGN FOR A GOGGLE
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 26, 1944, Serial No. 113,762
Term of patent 14 years
(Cl. D57—1)



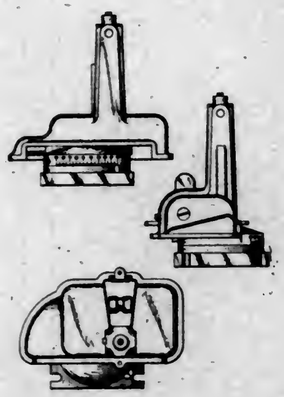
The ornamental design for a goggle, substantially as shown and described.

138,546
DESIGN FOR A HOT WATER HEATER
Edward H. Stempel, Albert Lea, Minn., assignor to American Gas Machine Company, Albert Lea, Minn., a corporation of Minnesota
Application May 26, 1944, Serial No. 113,763
Term of patent 14 years
(Cl. D81—2)



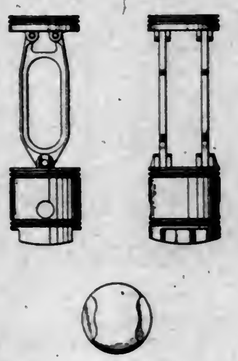
The ornamental design for a hot water heater, as shown.

138,547
DESIGN FOR A DRESSER FOR GRINDING WHEELS OR THE LIKE
Henry C. Stoll, Jackson Heights, N. Y.
Application March 15, 1944, Serial No. 112,913
Term of patent 14 years
(Cl. D37—1)



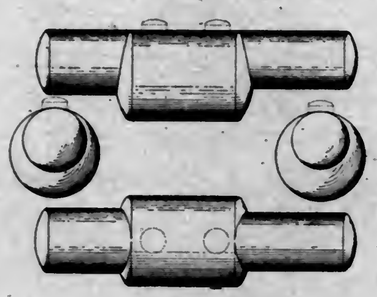
The ornamental design for a dresser for grinding wheels or the like, substantially as shown.

138,548
DESIGN FOR A COMBINED PISTON AND COMPRESSION HEAD OR SIMILAR ARTICLE
Charles A. Toce and Victor J. Toce, Houston, Tex., assignors to Federal Aircraft Engine Corporation, Houston, Tex.
Application April 13, 1942, Serial No. 106,569
Term of patent 14 years
(Cl. D46—1)



The ornamental design for a combined piston and compression head or similar article, as shown.

138,549
DESIGN FOR A TRUCK TANK
Ralph B. Ziegler, Philadelphia, Pa., assignor to Quaker City Iron Works, Philadelphia, Pa., a corporation of Pennsylvania
Application January 24, 1944, Serial No. 112,317
Term of patent 7 years
(Cl. D14—3)



The ornamental design for a truck tank, as shown.

138,550
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 17, 1944, Serial No. 114,419
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,551
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 17, 1944, Serial No. 114,420
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,552
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 17, 1944, Serial No. 114,421
Term of patent 3½ years
(Cl. D3—26)



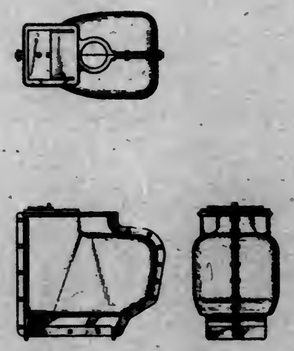
The ornamental design for a dress, substantially as shown.

138,553
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 17, 1944, Serial No. 114,423
Term of patent 3½ years
(Cl. D3—26)



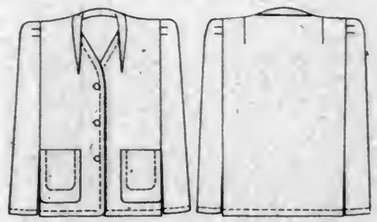
The ornamental design for a dress, substantially as shown.

138,554
DESIGN FOR A STOCK TANK HEATER
John K. Newhall, Aurora, Ill.
Application March 23, 1944, Serial No. 113,018
Term of patent 14 years
(Cl. D81—19)



The ornamental design for a stock tank heater, as shown.

138,555
DESIGN FOR A JACKET
Nathan H. Sachs, Newton Center, Mass.
Application July 12, 1944, Serial No. 114,380
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

138,556
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 17, 1944, Serial No. 114,424
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,557
DESIGN FOR A LACE TABLECLOTH
Frederick George Hobden, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 10, 1944, Serial No. 113,544
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

138,558
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 10, 1944, Serial No. 113,548
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 565—No. 4 **TUESDAY, AUGUST 22, 1944** **Price—$16 per year**

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

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August 22, 1944

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Reissues	5	No. 22,531 to No. 22,535, inclusive.
Patents	606	No. 2,356,123 to No. 2,356,728, inclusive.
Designs	60	No. 138,559 to No. 138,618, inclusive.
Total	828	

Disclaimer

2,332,666.—*Richard Pasternack*, Islip, and *Ellis Vincent Brown*, Cold Spring Harbor, N. Y. ACETYLATED SUGAR COMPOUND. Patent dated October 26, 1943. Disclaimer filed July 31, 1944, by the inventors; the assignee, *Chas. Pfizer & Co., Inc.*, consenting.

Hereby enter this disclaimer to claim 1 of said patent.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,282,936, J. A. Chenicek, Suppression of metal catalysis, decided May 30, 1944, claims 2, 4, and 6.

Pat. 2,321,122, T. Birkenmaier and C. E. Moaley, Reclosing circuit breaker, decided July 24, 1944, claims 1, 2, 3, 4, 10, 11, 12, 13, 14, 15, 16, 25, 26, 27, and 28.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., July 28, 1944.*

Oval E. Hall, his assigns or legal representatives, take notice:

Interferences have been declared by this Office between the application for patent of Oval E. Hall, General Delivery, Bremerton, Washington, and applications for patent filed by James A. Roberts, 6201 Second Boulevard, Detroit, Michigan, Ray L. Blossom, 1421 De Soto Avenue, Burlingame, California, and a joint application of Edward F. Hinkle, 22700 Alexandrine, Dearborn, Michigan, and Alan Stewart, 1207 Pearl Street, Ypsilanti, Michigan. The attorneys who represented the party Hall have withdrawn from the case and are unable to give any other address for Hall than that given in the application papers. Copies of Office actions sent to said Hall, at the above-mentioned address, have been returned by the post-office authorities as undeliverable. Notice is hereby given that unless said Hall, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interferences will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Applicant's Address

The requirement of Rule 33, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Notice Regarding Payment of Fees

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Condition of Applications Under Examination at Close of Business August 5, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 48,900; Trade-Mark Division, 1,648. Oldest new case, Aug. 28, 1943; oldest amended, Aug. 19, 1943.)
(The dates given are 1944 except where † indicates 1943)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Feb. 12	Mar. 31	500
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Jan. 6	Jan. 31	611
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	†Dec. 24	†Dec. 23	1018
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Mar. 20	Feb. 28	562
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	†Oct. 22	†Oct. 14	1271
6. GENIESSE, E. W., Carbon Chemistry (part)	Jan. 1	Feb. 2	1134
7. JARBOE, C. G., Optics, Photography	Mar. 25	Mar. 28	710
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Feb. 24	†Dec. 2	609
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Feb. 15	Jan. 27	726
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Apr. 3	Mar. 18	270
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	†Oct. 9	†Oct. 22	1117
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Feb. 23	Feb. 25	590
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Mar. 8	Feb. 24	717
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	Mar. 1	Mar. 9	727
16. SPENCER, C. J., Telegraphy; Telephony	Feb. 25	Feb. 18	573
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Dec. 4	†Nov. 18	562
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	†Oct. 7	†Oct. 6	876
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Feb. 3	Jan. 7	598
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Mar. 7	Apr. 20	419
21. THOMPSON, T. J., Textiles	Feb. 24	Jan. 12	442
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	†Dec. 11	†Dec. 15	1154
23. BARROWS, B., Cash Registers; Calculators (part)	†Oct. 29	†Sept. 13	159
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Mar. 27	Mar. 20	440
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	†Dec. 18	Jan. 11	788
26. YOUNG, R. R., Electricity—Generation and Motive Power	†Nov. 9	†Nov. 13	915
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	†Nov. 15	†Oct. 26	518
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	†Dec. 20	†Oct. 27	713
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Jan. 5	Feb. 14	798
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	†Nov. 6	†Nov. 8	1066
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Feb. 16	Feb. 18	1080
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 24	Jan. 13	749
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Mar. 2	Apr. 13	671
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Feb. 19	Feb. 19	471
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Mar. 13	Mar. 10	593
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Feb. 1	Jan. 24	513
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	†Nov. 30	†Dec. 13	790
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	†Nov. 19	†Dec. 4	612
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Feb. 2	Jan. 26	730
40. DRUMMOND, E. J., Receptacles (part); Packages	Mar. 15	Mar. 11	671
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	†Oct. 28	†Nov. 17	408
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Mar. 7	Mar. 17	448
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	†Dec. 30	Jan. 14	766
44. HARVEY, L. P., Refrigeration; Preserving	†Nov. 5	†Nov. 3	442
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	†Oct. 20	Jan. 28	1074
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	†Nov. 11	†Nov. 11	511
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Mar. 20	Mar. 21	722
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Jan. 8	Jan. 8	830
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Jan. 24	Jan. 28	624
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Jan. 22	Jan. 27	1436
51. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	†Dec. 27	†Dec. 27	1361
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	†Dec. 30	†Dec. 24	887
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Mar. 20	†Dec. 10	497
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	†Aug. 28	†Aug. 19	997
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	†Nov. 24	†Nov. 18	639
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Jan. 3	Jan. 6	774
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	†Sept. 9	†Dec. 29	851
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Feb. 7	Jan. 22	692
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	†Dec. 10	†Dec. 14	1411
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	†Nov. 26	†Nov. 26	938
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Mar. 2	Feb. 23	541
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Mar. 1	Feb. 12	1039
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	†Dec. 8	†Dec. 3	1014
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Mar. 10	Mar. 10	972
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	†Oct. 18	†Oct. 18	923
Trade-Marks: RICHMOND, F. A.	May 25	June 17	1648
Designs: KALUPY, H. H.	June 3	July 20	640

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adam Hat Stores, Inc., New York, N. Y. Hats and caps. Serial No. 470,061; Aug. 22. Class 39.

Admiral Corporation, Chicago, Ill. Radio receiving sets, loud speakers, amplifiers, etc. Serial No. 467,217; Aug. 22. Class 21.

Admiral Corporation, Chicago, Ill. Phonograph record albums. Serial No. 467,219; Aug. 22. Class 36.

Albertson, S., Company, Inc., Boston, Mass. Fresh deciduous fruits. Serial No. 466,686; Aug. 22. Class 46.

Alice May Hats, New York, N. Y. Women's hats. Serial No. 469,030; Aug. 22. Class 39.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotary sheaves, pulleys and bushings. Serial No. 469,950; Aug. 22. Class 23.

American Brake Shoe Company, New York, N. Y. Apparatus for comparing the speeds of wheels, shafts, and other rotating members, etc. Serial No. 468,188; Aug. 22. Class 26.

American Tag Company, Chicago, Ill. Solvents for application to decalcomania transfers and labels. Serial No. 469,922; Aug. 22. Class 5.

Amick, Virginia E., Seattle, Wash. Vegetable cooking shortening. Serial No. 471,440; Aug. 22. Class 46.

Artex-Green Corporation, New York, N. Y. Sewing baskets, and hosiery, tissue, glove and handkerchief boxes. Serial No. 470,523; Aug. 22. Class 2.

Associated Specialties Corp., Central Falls, R. I. Around-the-neck mirrors. Serial No. 471,828; Aug. 22. Class 32.

Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Wines. Serial No. 470,935; Aug. 22. Class 47.

"Automatic" Sprinkler Company of America, Youngstown, Ohio. Pressure tank sprinkler system storage tanks. Serial No. 471,778; Aug. 22. Class 2.

Bard, Frank, Chicago, Ill. Playing cards. Serial No. 467,684; Aug. 22. Class 22.

Barkan, Israel, doing business as Paint-Nu Products Co., Los Angeles, Calif. Cleaners for painted surfaces and the like. Serial No. 469,293; Aug. 22. Class 4.

Bastian-Morley Co., Inc., doing business as Fauce Hot Water Co., assignor to Fauce Hot Heater Co., La Porte, Ind. Gas water heaters. Serial No. 460,609; Aug. 22. Class 34.

Bauer, Eddie, Seattle, Wash. Comforter and quilts. Serial No. 460,019; Aug. 22. Class 42.

Beacon Record Co. (See Davis, Joseph M.)

Benes Company. (See Benes, Frank.)

Benes, Frank, doing business as Benes Company, Long Island City, N. Y. Skin ointment. Serial No. 466,720; Aug. 22. Class 6.

Bemiss-Jason Corporation, San Francisco, Calif. Boxes, cases and display containers. Serial No. 471,654; Aug. 22. Class 2.

Berland Shoe Stores, Inc., The, St. Louis, Mo. Women's shoes. Serial No. 470,697; Aug. 22. Class 39.

Berliner, Edwin E., & Co., New York, N. Y. Woven piece goods. Serial No. 468,774; Aug. 22. Class 42.

Bullock, L. H., Co. (See Bullock, Laurie H.)

Bullock, Laurie H., doing business as L. H. Bullock Co., Berkeley, Calif. Cover glasses for arc welding shields, and the like. Serial No. 470,699; Aug. 22. Class 26.

Burndy Engineering Company, Inc., New York, N. Y. Electrical connectors. Serial Nos. 465,999–6,002; Aug. 22. Class 21.

Cameron Heartometer Company, Chicago, Ill. Instruments used to determine and record the systolic and diastolic blood pressure, etc. Serial No. 470,254; Aug. 22. Class 44.

Campana Sales Company, Batavia, Ill. Colognes and perfumery. Serial No. 471,182; Aug. 22. Class 6.

Cantor Greenspan Co., Inc., New York, N. Y. Spun rayon cloth. Serial Nos. 470,960–1; Aug. 22. Class 42.

Ciccone, Antonio, doing business as Ciccone Reeds, Chicago, Ill. Reeds. Serial No. 471,658; Aug. 22. Class 36.

Ciccone Reeds. (See Ciccone, Antonio.)

Claus Sensaumatic Drill Company. (See Voelker, Henry R.)

Cobb Canning Company, Cobb, Wis. Canned corn. Serial No. 471,589; Aug. 22. Class 46.

Collins, Ashton B., doing business as Reddy Kilowatt, Short Hills, N. J. Contributions to trade journals or the like. Serial No. 471,443; Aug. 22. Class 38.

Columbia Publications, Inc., New York, N. Y., and Holyoke, Mass. Magazine. Serial No. 468,376; Aug. 22. Class 38.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Textile piece goods. Serial Nos. 465,411–12; Aug. 22. Class 42.

Conklin Pen Company, Chicago, Ill. Fountain pens. Serial No. 470,706; Aug. 22. Class 37.

Corning Glass Works, Corning, N. Y. Laboratory glassware. Serial No. 457,030; Aug. 22. Class 26.

Darnoid Company, The. (See Jones, Cornelia.)

Davis, Joseph M., doing business as Beacon Record Co., New York, N. Y. Phonograph records. Serial No. 471,973; Aug. 22. Class 36.

Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Textile material. Serial No. 457,948; Aug. 22. Class 42.

Defiance Machine Works, Inc., Toledo, Ohio. Plastics pressing machines and parts of such machines. Serial No. 469,865; Aug. 22. Class 23.

Derna Products, New York, N. Y. Adhesive strips. Serial No. 470,175; Aug. 22. Class 44.

Dunbar, Ernest A., doing business as Dunbar & Nairn, Glasgow, Scotland. Wool, cotton, silk, etc., in the piece. Serial No. 455,426; Aug. 22. Class 42.

Dunbar & Nairn. (See Dunbar, Ernest A.)

Durland, William L., Bakery. (See Durland, William L.)

Durland, William L., doing business as William L. Durland Bakery, Somerville, Mass. Bread. Serial No. 470,491; Aug. 22. Class 46.

Edison, Thomas A., Incorporated, West Orange, N. J. Phonographic apparatus and equipment. Serial No. 471,734; Aug. 22. Class 36.

Fauce Hot Water Co. (See Bastian-Morley Co., Inc., assignor.)

Fink-Roselieve Co., Inc., New York, N. Y. Detergent soap powder. Serial No. 471,210; Aug. 22. Class 4.

Firefly Extinguishers, Kansas City, Mo. Fire extinguishers comprising frangible receptacles having a filling of fire extinguishing material. Serial No. 470,021; Aug. 22. Class 6.

Fiske, Jonathan P. B., Auburndale, Mass. Flame coloring material. Serial No. 470,223; Aug. 22. Class 6.

Fitzpatrick Bros., Inc., Chicago, Ill. Soaps, soap flakes, soap compositions. Serial No. 470,412; Aug. 22. Class 4.

Foreman Fabrics, Inc., New York, N. Y. Woven fabrics in the piece. Serial Nos. 470,179–81; Aug. 22. Class 42.

General Die Stamping Tool Company, New York, N. Y. Electric motors. Serial No. 470,719; Aug. 22. Class 21.

General Industries Company, Elyria, Ohio. Electric motors, electric record changers, and electric phonograph recorders. Serial Nos. 469,006–9; Aug. 22. Class 21.

Goldfine, Ceil, doing business as V-Brands, New York, N. Y. Prophylactic rubber articles. Serial No. 470,186; Aug. 22. Class 44.

Grizzly Manufacturing Company, Los Angeles, Calif. Brake lining. Serial No. 472,056; Aug. 22. Class 35.

Gumpertz, William H., Co., The, Oxnard, Calif. Fresh vegetables. Serial No. 470,530; Aug. 22. Class 46.

Guttenberg Wine Co. (See Watstein, Ben.)

Halda, Aktiebolag, Svangsta, Sweden. Calculating machines, adding machines, cash registers, etc. Serial No. 459,515; Aug. 22. Class 26.

Harnischfeger Corporation, Milwaukee, Wis. Electrical motors, electrical brakes, electrical limit switches, etc. Serial No. 470,661; Aug. 22. Class 21.

Hego Fabrics, Inc., New York, N. Y. Piece goods of rayon yarns. Serial No. 470,766; Aug. 22. Class 42.

Heiman, Arthur S., Inc., New York, N. Y. Rayon piece goods. Serial No. 468,842; Aug. 22. Class 42.

Hillman Periodicals, Inc., New York, N. Y. Magazine or publication. Serial No. 471,606; Aug. 22. Class 38.

Hilltop Farm Feed Company, Minneapolis, Minn. Livestock feed. Serial No. 462,682; Aug. 22. Class 46.

Hobby Model Manufacturing Co., Inc., New York, N. Y. Toy educational construction sets. Serial No. 469,726; Aug. 22. Class 22.

Horton & Hubbard Mfg. Co., The, Somerville, Mass. Suitcases. Serial No. 471,083; Aug. 22. Class 3.

Horvath, John, Wallington, N. J. Hair tonic. Serial No. 470,854; Aug. 22. Class 6.

Hubbard and Company, Pittsburgh, Pa. Lightning arresters. Serial No. 465,776; Aug. 22. Class 21.

Import Publications, Inc., New York, N. Y. Column or section of a magazine. Serial No. 469,599; Aug. 22. Class 38.

Industrial Equipment Corporation, Detroit, Mich. Gas washers. Serial No. 459,958; Aug. 22. Class 34.

International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 469,729; Aug. 22. Class 39.

International Shoe Company, St. Louis, Mo. Boots and shoes. Serial No. 470,572; Aug. 22. Class 39.

Iowa Feed Company. (See Stormes, Chauncey M.)

Johnson, Mildred, doing business as Johnson Novelties, Hamtramck, Mich. Empty compact cases. Serial No. 469,678; Aug. 22. Class 2.

Johnson Novelties. (See Johnson, Mildred.)

Jones, Cornelia, doing business as The Darnoid Company, Chicago, Ill. Ointment for treating piles. Serial No. 470,724; Aug. 22. Class 6.

Kamphefner, W. E., Exeter, Calif. Fresh deciduous fruits. Serial No. 471,404; Aug. 22. Class 46.

Kansas City Vaccine Co. (See Oesterhaus, John H.)
Katz Drug Company, Kansas City, Mo. Aspirin, iron and yeast, medicinal mineral oil, etc. Serial No. 469,731; Aug. 22. Class 6.
Landau, Sam, New York, N. Y. Ladies' and misses' slips, nightgowns, negligees, etc. Serial No. 471,088; Aug. 22. Class 39.
Landsberger, S. W., Chemical Works, Inc., New York, N. Y. Edible acids, coloring matter, preservatives. Serial No. 466,412; Aug. 22. Class 6.
Lansburgh & Bro., Washington, D. C. Shoes. Serial No. 470,818; Aug. 22. Class 39.
La Salle Company, The, Chicago, Ill. Doll's hats, doll's purses, doll's hat boxes and patterns therefor. Serial No. 470,116; Aug. 22. Class 22.
Lincoln Electric Company, The, Cleveland, Ohio. Fluxing and coating materials. Serial No. 470,506; Aug. 22. Class 6.
Magnaflux Corporation, Chicago, Ill. Hand cream. Serial No. 461,466; Aug. 22. Class 6.
Marathon Paper Mills Company, Rothschild, Wis. Paper adhesive tape. Serial No. 462,714; Aug. 22. Class 37.
May Oil Burner Corporation, Baltimore, Md. Gears. Serial No. 463,175; Aug. 22. Class 23.
Mead Johnson & Company, Evansville, Ind. Publications. Serial No. 470,578; Aug. 22. Class 38.
Myer 1890 Bottling Co. Inc., New York, N. Y. Non-alcoholic, non-cereal maltless beverages and syrups and extracts for making the same. Serial No. 470,082; Aug. 22. Class 45.
Nancy Ann Dressed Dolls, San Francisco, Calif. Dolls and doll's clothes. Serial No. 471,710; Aug. 22. Class 22.
National Association of Personnel Directors, Chicago, Ill. Publication issued monthly. Serial No. 469,164; Aug. 22. Class 38.
Neverub Corporation, Chicago, Ill. Cleansing compound. Serial No. 470,730; Aug. 22. Class 4.
Northern Malleable Iron Company, St. Paul, Minn. Malleable iron castings. Serial No. 470,038; Aug. 22. Class 14.
Novak's Pharmacy, Inc., Chicago, Ill. Preparation for removing corns and callouses. Serial No. 470,463; Aug. 22. Class 6.
Novel Products, Inc., Chicago, Ill. Air propelled toy gun. Serial No. 468,087; Aug. 22. Class 22.
Oesterhaus, John H., doing business as Kansas City Vaccine Co., Kansas City, Mo. Medicinal preparation for livestock. Serial No. 470,510; Aug. 22. Class 6.
Paint-Nu Products Co. (See Barkan, Israel.)
Parents' Institute, Inc., The, New York, N. Y. Publication. Serial Nos. 471,314–14; Aug. 22. Class 38.
Perma, Incorporated, Chicago, Ill. Phonograph styli. Serial No. 464,584; Aug. 22. Class 36.
Phensic Limited, London, England. Medicinal preparation for human use. Serial No. 470,511; Aug. 22. Class 6.
Portela, J. M., & Co., Inc., Arecibo, P. R. Rum. Serial No. 466,541; Aug. 22. Class 49.
Posner, Dr. A., Shoes, Inc., New York, N. Y. Shoes. Serial No. 458,848; Aug. 22. Class 39.
Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. Serial No. 470,895; Aug. 22. Class 6.
Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. Serial No. 471,049; Aug. 22. Class 39.
Reddy Kilowatt. (See Collins, Ashton B.)
Renson Gauge Company, Duluth, Minn. Dental bridge gauges. Serial No. 467,170; Aug. 22. Class 26.
Revolvator Company, North Bergen, N. J. Portable elevators. Serial No. 464,420; Aug. 22. Class 23.
Reynolds Metals Company, Richmond, Va. Aluminum clad steel. Serial No. 471,135; Aug. 22. Class 14.
Richey & Gilbert Company, Yakima, Wash. Fresh deciduous fruits. Serial Nos. 471,000–1–2; Aug. 22. Class 46.
Rosenholz, J., Inc., New York, N. Y. Rayon piece goods. Serial No. 469,277; Aug. 22. Class 42.
Ross Chemical Company. (See Ross, Lillie R.)
Ross, Lillie, doing business as Ross Chemical Company, Oklahoma City, Okla. Preparation for the treatment of hog cholera. Serial No. 470,213; Aug. 22. Class 6.
Royal Liquors Company, North Bergen, N. J. Whiskey. Serial No. 470,233; Aug. 22. Class 49.
Rutger Fabrics Corporation, New York, N. Y. Rayon piece goods. Serial No. 470,774; Aug. 22. Class 42.
Schober, Laird, & Co., Inc., Haverhill, Mass. Women's shoes. Serial No. 469,901; Aug. 22. Class 39.
Sheldon Electric Co., Inc., Irvington, N. J. Starter switches. Serial No. 471,460; Aug. 22. Class 21.
Sherman Bows. (See Sherman, Sol.)
Sherman, Sol, doing business as Sherman Bows, New York, N. Y. Necktles, bow ties, and handkerchiefs. Serial Nos. 470,515–16; Aug. 22. Class 39.
Sherwin-Williams Company, The, Cleveland, Ohio. Trays of cardboard, plastic materials, and wood. Serial No. 469,735; Aug. 22. Class 2.
Shiflene Corporation, New York, N. Y. Plastic filmy sheets. Serial No. 470,046; Aug. 22. Class 1.
Silver Trouser Mfg. Co., Chicago, Ill. Men's wearing apparel. Serial No. 464,590; Aug. 22. Class 39.
Squirt Company, The, Beverly Hills, Calif. Nonalcoholic grapefruit drink and bases and syrups and extracts for making same. Serial No. 470,807; Aug. 22. Class 45.
Stackhouse, Gladys B., Huntington, Long Island, N. Y. Children's muffs. Serial No. 470,545; Aug. 22. Class 39.
Standard Oil Company of New Jersey, Wilmington, Del. Polishing oil. Serial No. 464,452; Aug. 22. Class 16.
Stein and Ellbogen Company, Chicago, Ill. Rings and necklaces. Serial No. 468,009; Aug. 22. Class 28.
Stormes, Chauncey M., doing business as Iowa Feed Company, Des Moines, Iowa. Feed supplements. Serial No. 460,458; Aug. 22. Class 46.
Sure-Rite Products Company, Philadelphia, Pa. Chemical composition. Serial No. 470,546; Aug. 22. Class 6.
Textron, Inc., assignor to Textron, Incorporated, Providence, R. I. Cloth clothes bags, and shoe bags. Serial No. 471,200; Aug. 22. Class 2.
Textron, Incorporated. (See Textron, Inc., assignor.)
Thomas, David, Inc., Boston, Mass. Handkerchiefs and scarves. Serial No. 460,075; Aug. 22. Class 39.
Towne Talk Company, Los Angeles, Calif. Orange juice, syrups, extracts, and flavor bases. Serial No. 470,690; Aug. 22. Class 45.
20th Century Beverage Co., Philadelphia, Pa. Non-alcoholic, non-cereal, maltless, carbonated beverages, and syrups and extracts and flavors for making the same. Serial No. 470,808; Aug. 22. Class 45.
V-Brands. (See Goldfine, Ceil.)
Vanderbilt, Lucretia, Lt'd, New York, N. Y. Perfume and cologne. Serial No. 470,780; Aug. 22. Class 6.
Vinco Corporation, Detroit, Mich. Gear checkers, sine bars, index plates, etc. Serial No. 467,418; Aug. 22. Class 26.
Voelker, Henry R., doing business as Claus Sensaumatic Drill Company, Indianapolis, Ind. Drill heads. Serial No. 469,452; Aug. 22. Class 23.
Warnecke, Henning L., Cleveland, Ohio, and Hasbrouck Heights, N. J. Corrosion resistant paint. Serial No. 471,436; Aug. 22. Class 16.
Warwick Chemical Company, West Warwick, R. I. Water repellent finish for textiles. Serial No. 470,842; Aug. 22. Class 6.
Washington Sales, Inc., Wenatchee, Wash. Fresh deciduous fruits. Serial No. 470,950; Aug. 22. Class 46.
Watstein, Ben, doing business as Guttenberg Wine Co., New York, N. Y., and Guttenberg, N. J. Wines. Serial No. 471,465; Aug. 22. Class 47.
Webster-Brinkley Co., Seattle, Wash. Hydraulic and steam-powered engines and control units therefor, winches, cranes, etc. Serial No. 468,653; Aug. 22. Class 23.
Wheaton, T. C., Co., Millville, N. J. Electronic glassware. Serial No. 468,497; Aug. 22. Class 21.
Wheta Limited, Belfast, Northern Ireland. Preparations of wheat flour. Serial No. 471,503; Aug. 22. Class 46.
White Laboratories, Inc., Newark, N. J. Poultry and livestock feed supplement. Serial No. 471,375; Aug. 22. Class 46.
Wilbert Products Co., Inc., New York, N. Y. Scratch removing polish for furniture and floors. Serial No. 470,871; Aug. 22. Class 16.
Wilson Mercantile Co., The, Wausau, Wis. Canned vegetables, canned fruit, and miscellaneous groceries. Serial No. 443,313; Aug. 22. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Adams, Contee L., doing business as Contee Adams Seed Company, Purcellville, Va. Seed wheat, seed corn, seed barley, etc. 408,675; Aug. 22. Class 1.
Adams, Contee, Seed Company. (See Adams, Contee L.)
Aerial Cutlery Manufacturing Company, Marinette, Wis. Pocketknives, razors, hair clippers, etc. 192,274; renewed Dec. 2, 1944.
Alpina Cheese Co., Burgdorf, Switzerland. Swiss cheese. 170,834; renewed July 24, 1943.
Alpina Cheese Co., Burgdorf, Switzerland. Swiss cheese. 172,573; renewed Sept. 11, 1943.
American Thermos Bottle Company, The, assignors to The American Thermos Bottle Company, Norwich, Conn. Thermos bottles. 192,452; renewed Dec. 2, 1944.
American Thermos Bottle Company, The. (See Icy-Hot Bottle Company, The, assignor.)
Appleton Company, Lowell, Mass., to Appleton Company, Anderson, S. C. Cotton piece goods. 192,861; renewed Dec. 16, 1944.
Argenzio Brothers, Denver, Colo. Jewelry. 408,612; Aug. 22; Serial No. 464,193; published June 13, 1944. Class 28.

Astlett, H. A., & Co., New York, N. Y. Radio receiving sets and parts thereof, and electric toasters. 408,654; Aug. 22; Serial No. 469,106; published June 13, 1944. Class 21.
Auburn Rubber Company to Auburn Rubber Corporation, Auburn, Ind., successor. Rubber soles. 188,072; renewed Aug. 19, 1944.
Auburn Rubber Corporation. (See Auburn Rubber Company.)
Baird, William McKinley, Chicago, Ill. Refrigerated locker units. 408,681; Aug. 22. Class 31.
Bannister, Constance, New York, N. Y. Dolls and toy animals. 408,656; Aug. 22; Serial No. 469,142; published June 13, 1944. Class 22.
Bauman-Massa Jewelry Company, St. Louis, Mo. Wedding rings, engagement rings, and diamond rings. 408,664; Aug. 22; Serial No. 468,657; published June 6, 1944. Class 28.
Beal, J. & J., assignor to J. & J. Beal Limited, Sheffeld, England. Butchers' knives, machetes, files, etc. 183,821; renewed May 6, 1944.
Beal, J. & J., Limited. (See Beal, J. & J., assignor.)
Bigelow-Hartford Carpet Co., Clinton, Mass., Thompsonville, Conn., and New York, N. Y., by change of name to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Textile carpets and rugs. 187,907; renewed Aug. 12, 1944.
Bigelow-Sanford Carpet Co., Inc. (See Bigelow-Hartford Carpet Co.)
Bon Ami Company, Inc., The, Wilmington, Del., and New York, N. Y., to The Bon Ami Company, Inc., New York, N. Y. Extension-handled tool. 188,347; renewed Aug. 26, 1944.
Booth, F. E., Co., assignor to F. E. Booth Company, Inc., San Francisco, Calif. Canned fruit. 191,543; renewed Nov. 11, 1944.
Boy Scouts of America, New York, N. Y. Section of a magazine. 192,902; renewed Dec. 16, 1944.
Bradford Dyeing Association (U. S. A.), Bradford, R. I. Piece goods. 192,767; renewed Dec. 9, 1944.
Bradford Dyeing Association (U. S. A.), Bradford, R. I. Piece goods. 192,887–8; renewed Dec. 16, 1944.
Brunner Manufacturing Company, Utica, N. Y. Condensers and condensing units. 408,677; Aug. 22. Class 31.
Bryant Paper Company, Kalamazoo, Mich. Coated and uncoated printing paper. 408,643; Aug. 22; Serial No. 468,695; published June 6, 1944. Class 37.
Bryant Paper Company, Kalamazoo, Mich. Printing paper. 408,644; Aug. 22; Serial No. 468,696; published June 6, 1944. Class 37.
Bryant Paper Company, Kalamazoo, Mich. Coated printing paper. 408,645; Aug. 22; Serial No. 468,698; published June 6, 1944. Class 37.
Bryant Paper Company, Kalamazoo, Mich. Coated printing paper. 408,646; Aug. 22; Serial No. 468,700; published June 13, 1944. Class 37.
Bryant Paper Company, Kalamazoo, Mich. Coated printing paper. 408,666; Aug. 22; Serial No. 468,697; published June 6, 1944. Class 37.
Chapman, S. W. (See Terry, Walter T., Jr., assignor.)
Cedar Falls Canning Co., Cedar Falls, Iowa. Canned vegetables. 193,102; renewed Dec. 16, 1944.
Cinderella Hat Co., Inc., to Ben Touster, doing business as Cinderella Hat Co., New York, N. Y., successor. Infants', children's, and misses' hats. 193,005; renewed Dec. 16, 1944.
Columbian Rope Company, Auburn, N. Y. Molded needled felted vegetable fibre materials. 408,621; Aug. 22; Serial No. 466,636; published June 6, 1944. Class 50.
Columbian Rope Company, Auburn, N. Y. Resin-impregnated vegetable fiber material. 408,633; Aug. 22; Serial No. 468,437; published June 6, 1944. Class 1.
Converse Rubber Shoe Co., assignor to Converse Rubber Company, Malden, Mass. Rubber boots. 193,078; renewed Dec. 16, 1944.
Converse Rubber Company. (See Converse Rubber Shoe Co., assignor.)
Converse Rubber Shoe Co., assignor to Converse Rubber Company, Malden, Mass. Shoes. 193,082; renewed Dec. 16, 1944.
Cupples Company, Manufacturers, St. Louis, Mo. Rubber heels. 189,322; renewed Sept. 16, 1944.
Defiance Dairy Products Company, The, to The Defiance Milk Products Company, Defiance, Ohio, successor. Evaporated milk. 188,273; renewed Aug. 19, 1944.
Defiance Milk Products Company, The. (See Defiance Dairy Products Company, The.)
Delapenha, R. U., & Co., Inc., New York, N. Y. Olive oil, egg noodles, chicken liver paté, etc. 408,676; Aug. 22. Class 46.
Deltox Grass Rug Company, Oshkosh, Wis., by change of name to Deltox Rug Company. Fiber rugs. 192,693; renewed Dec. 9, 1944. Class 42.
Deltox Rug Company. (See Deltox Grass Rug Company.)
Denver Leather Co., The., Colorado, Colo. Leather. 192,978; renewed Dec. 16, 1944.
Dexter, C. H., & Sons, Inc., Windsor Locks, Conn. Paper. 191,312–3; renewed Nov. 4, 1944.
Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Fountain markers and tips therefor and stencil boards. 408,617; Aug. 22; Serial No. 465,417; published June 13, 1944. Class 37.
Di Tosti, Bart J., New York, N. Y. Ladies' blouses, shirt waists and dresses. 408,668; Aug. 22. Class 39.
Doke, Ben F., doing business as Mir-O-Col Alloy Co., Los Angeles, Calif. Hard surfacing welding rod. 408,662; Aug. 22; Serial No. 469,355; published June 13, 1944. Class 14.
Dubois Plastic Products, Inc., Buffalo, N. Y. Goggles. 408,661; Aug. 22; Serial No. 469,328; published June 13, 1944. Class 26.
Duchaine, Paul, assignor to Joseph P. Duchaine, doing business as My Bread Baking Company, New Bedford, Mass. Bread. 186,406; renewed July 8, 1944.
Duchaine, Joseph P. (See Duchaine, Paul, assignor.)
Electric Game Co., Inc., Holyoke, Mass. Game played with cards. 408,634; Aug. 22; Serial No. 468,444; published June 13, 1944. Class 22.
Electrolux Corporation, Old Greenwich, Conn. Synchronous electric motors. 408,660; Aug. 22; Serial No. 469,297; published June 13, 1944. Class 21.
Enholm, Lewis W., Quincy, Mass. Fishing tackle. 408,647; Aug. 22; Serial No. 468,710; published June 13, 1944. Class 22.
Esmond Mills, The, assignor to The Esmond Mills, Inc., Esmond, Smithfield, R. I. Cotton bathrobe and lounging robe blankets in the piece. 192,981; renewed Dec. 16, 1944.
Eutectic Welding Alloys Company. (See Wasserman, Rene D.)
Exeter Manufacturing Company, Exeter, N. H. Cotton fabrics in the piece. 408,629; Aug. 22; Serial No. 468,234; published June 6, 1944. Class 42.
Fencil, William M., Company, Huntley, Ill. Gaskets. 408,684; Aug. 22. Class 35.
Ferry Morse Seed Co. (See Morse, C. C., & Co., assignor.)
Filter, Edwin H., Company, The, Philadelphia, Pa. Manilla rope and cable. 192,881; renewed Dec. 16, 1944.
Fownes Brothers & Co., London, England, assignor to Fownes Brothers & Co. Incorporated, New York, N. Y. Gloves, cuffs and mittens. 25,554; re-renewed Nov. 27, 1944.
Fownes Brothers & Co. Incorporated. (See Fownes Brothers & Co., assignor.)
French Cosmetic Mfg. Co. Inc., New Rochelle, N. Y., assignor, by mesne assignments, to Heather Company, Jersey City, N. J. Toilet powdera. 190,611; renewed Oct. 14, 1944.
Fruit of the Loom, Inc. (See Knight, B. B. & R., Inc., assignor.)
Fuller Brush Company, The, Hartford, Conn. Brushes. 408,667; Aug. 22. Class 29.
Garco Products, Inc., Connoquenessing, Pa. Comminuted mixture of silica and glass. 408,648; Aug. 22; Serial No. 468,788; published June 6, 1944. Class 1.
Garco Products, Inc., Connoquenessing, Pa. Comminuted mixture of silica and glass. 408,649; Aug. 22; Serial No. 468,789; published June 13, 1944. Class 1.
General Printed String Co., Milwaukee, Wis. Flat cotton ribbon or tape. 408,674; Aug. 22. Class 7.
Golden Brand Food Products Company. (See Levin, Harry M.)
Goodwin Preserving Co., Louisville, Ky. Fruit jam. 408,655; Aug. 22; Serial No. 469,123; published June 6, 1944. Class 46.
Gottlieb Brothers, New York, N. Y. Knitting pins, crochet hooks, stitch holders, etc. 192,986; renewed Dec. 16, 1944.
Grady Mfg. Co., The, Long Island City, N. Y., to Oil Specialties & Refining Co., Inc., Brooklyn, N. Y., successor. Polish. 182,778; renewed Apr. 15, 1944.
Gruen Watch Company, The, Cincinnati, and Time Hill, Cincinnati, Ohio. Watches, watch cases, and watch movements. 408,670; Aug. 22. Class 27.
Haft, Morris W., & Brothers, New York, N. Y., assignor to Morris W. Haft & Bros. Inc., New York, N. Y. Ladies' and misses' coats, suits, jackets, skirts, etc. 408,678; Aug. 22. Class 39.
Haft, Morris W., & Bros. Inc. (See Haft, Morris W., & Brothers, assignor.)
Hammond Standish & Co., Detroit, Mich. Hams and bacons. 192,996; renewed Dec. 16, 1944.
Hanovia Chemical and Manufacturing Company, Newark, N. J. Vapor lamps and other lamps giving therapeutic rays. 408,623; Aug. 22; Serial No. 466,836; published June 13, 1944. Class 44.
Hanson Fish Products Co., Duluth, Minn., to Hanson Fish Products Co., Minneapolis, Minn. Canned, salted, spiced, and smoked fish. 188,354; renewed Aug. 26, 1944.
Hastings Canvas & Mfg. Co., Hastings, Nebr. Porous canvas, hose-like waterers. 408,682; Aug. 22. Class 35.
Heather Company. (See French Cosmetic Mfg. Co. Inc., assignor.)
Hercules Powder Company, Wilmington Del. Turpentine and pine oil. 192,384–5; renewed Dec. 2, 1944.
Hicks-Hayward Co., El Paso, Tex. Pants, coats, breeches, etc. 191,007; renewed Oct. 28, 1944.
Hoyt Heater Co. (See Hoyt Heater Company, assignor.)
Hoyt Heater Company, Vernon, Calif., assignor to Hoyt Heater Co., Los Angeles, Calif. Water heaters. 192,859; renewed Dec. 16, 1944.

Huber, J. M., Inc., New York, N. Y. Carbon black. 408,627; Aug. 22; Serial No. 468,032; published June 6, 1944. Class 1.

Icy-Hot Bottle Company, The, Cincinnati, Ohio, to The Icy-Hot Bottle Company, assignor, by mesne assignments, to The American Thermos Bottle Company Norwich, Conn. Bottles, jars, carafes, etc. 190,352; renewed Oct. 14, 1944.

Icy-Hot Bottle Company, The, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, assignor, by mesne assignments, to The American Thermos Bottle Company, Norwich, Conn. Plates, cups, jugs, etc. 191,569; renewed Nov. 11, 1944.

Industrial Raw Materials Corporation, New York, N. Y. Petroleum wax. 408,630; Aug. 22; Serial No. 468,288; published June 13, 1944. Class 15.

Industrial Raw Materials Corporation, New York, N. Y. Petroleum wax. 408,631; Aug. 22; Serial No. 468,292; published June 13, 1944. Class 15.

International Cellucotton Products Co., Chicago, Ill. Paper articles. 408,618; Aug. 22; Serial No. 465,505; published June 6, 1944. Class 37.

Jakovich, Kuzma Dominick, Galveston, Tex. Coffee. 186,898; renewed July 22, 1944.

Jeffries, Ben G., Atlanta, Ga. Wheeled push toys. 408,635; Aug. 22; Serial No. 468,453; published June 13, 1944. Class 22.

Johnson, Fredric H., doing business as Spice Islands Company, San Francisco, Calif. Food products. 408,683; Aug. 22. Class 46.

Kearns Coal Company, The, Cincinnati, Ohio. High volatile coal. 408,620; Aug. 22; Serial No. 466,330; published June 13, 1944. Class 1.

Kidd, Mrs. E. G., Incorporated, assignor, by mesne assignments, to Pin Money Brands, Incorporated, Richmond, Va. Pickles. 188,156; renewed Aug. 19, 1944.

King Cole Company, Chicago, Ill. Candy bars. 408,657; Aug. 22; Serial No. 469,202; published June 13, 1944. Class 46.

Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y., assignor, by mesne assignments, to Fruit of the Loom, Inc., Providence, R. I. Bleached cotton piece goods. 186,473–5; renewed July 8, 1944.

L. & H. Stern, Inc., Brooklyn, N. Y. Smokers' pipes. 408,651; Aug. 22; Serial No. 468,822; published June 6, 1944. Class 8.

Laub, George M., New York, N. Y. Paper dress patterns. 408,625; Aug. 22; Serial No. 467,721; published June 13, 1944. Class 26.

Laub, George M., New York, N. Y. Paper dress patterns. 408,626; Aug. 22; Serial No. 467,723; published June 13, 1944. Class 26.

Lauber & Lauber Co., to Lauber-Rucker Medicina Co., Chicago, Ill., successor. Medicinal preparation. 185,985; renewed July 1, 1944.

Lauber-Rucker Medicine Co. (See Lauber & Lauber Co.)

Levin, Harry M., doing business as Golden Brand Good Products Company, Philadelphia, Pa. Salad dressing. 408,669; Aug. 22. Class 46.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' topcoats and overcoats and suits. 408,680; Aug. 22. Class 39.

Libby, McNeill & Libby, Chicago, Ill. Packaged muffin mix. 408,637; Aug. 22; Serial No. 468,615; published June 13, 1944. Class 46.

Mandl, Sigmund, Milwaukee, Wis., assignor, by mesne assignments, to The New Britain Machine Company, New Britain, Conn. Socket wrenches and socket-wrench sets. 186,808; renewed July 22, 1944.

McDill, R. D., Cleveland Heights, Ohio. Blank forms. 408,671; Aug. 22. Class 37.

McGrath, William P., Wadsworth, Kans. Game boards. 408,665; Aug. 22; Serial No. 469,688; published June 13, 1944. Class 22.

Metalock Company. (See Scott, Lawrence B.)

Meyers, John B., Hudson, Iowa, to John G. Ralston, Waterloo, Iowa, successor. Poisoned kernels to kill rodents and other vermin. 185,920; renewed June 24, 1944.

Michigan Elevator Exchange, Lansing, Mich. Beans. 192,970; renewed Dec. 16, 1944.

Mir-O-Col Alloy Co. (See Doke, Ben F.)

Morse, C. C., & Co., assignor to Ferry Morse Seed Co., San Francisco, Calif. Grass seed. 192,923; renewed Dec. 16, 1944.

Morris, Harry, Associates. (See Morris, Mann & Reilly, Inc., assignor.)

Morris, Mann & Reilly, Inc., assignor to Harry Morris Associates, Chicago, Ill. Necklaces. 192,361; renewed Dec. 2, 1944.

Murray Ohio Manufacturing Company, The. (See Murray Products Company, The, assignor.)

Murray Products Company, The, Detroit, Mich., assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Juvenile automobiles and trucks, toy automobiles and trucks, etc. 185,508; renewed June 17, 1944.

My Bread Baking Company. (See Duchaine, Joseph P.)

Nashua Manufacturing Company, Boston, Mass. Blankets. 408,624; Aug. 22; Serial No. 467,668; published June 13, 1944. Class 42.

New Britain Machine Company, The. (See Mandl, Sigmund, assignor.)

New York Grinding Wheel Corporation, New York, N. Y. Abrasive grinding wheels and polishing wheels. 408,641; Aug. 22; Serial No. 468,679; published June 13, 1944. Class 4.

North Carolina Fabrics Corporation, Salisbury, N. C. Textile fabrics in the piece. 408,616; Aug. 22; Serial No. 465,043; published June 13, 1944. Class 42.

Nutrolactis Company, The, New York, N. Y. Medicinal preparation. 25,312; re-renewed Oct. 9, 1944.

Nye Tool & Machine Co. (See Nye Tool & Machine Works.)

Nye Tool & Machine Works, The, by change of name to Nye Tool & Machine Co., Chicago, Ill. Pipe cutters, pipe-cutter wheels, pipe dies, etc. 192,911; renewed Dec. 16, 1944.

Oakite Products, Inc. (See Oakley Chemical Company, assignor.)

Oakley Chemical Company, assignor to Oakite Products, Inc., New York, N. Y. Chemical compound. 192,610–11; renewed Dec. 9, 1944.

Ohio Leather Company, The, Girard, Ohio. Leather. 408,642; Aug. 22; Serial No. 468,680; published June 6, 1944. Class 1.

Oil Specialties & Refining Co., Inc. (See Grady Mfg. Co., The.)

Orange-Crush Company, Chicago, Ill. Nonalcoholic maltless beverages and sirups for making the same. 187,820; renewed Aug. 12, 1944.

Orange-Crush Company, Chicago, Ill. Nonalcoholic maltless beverages. 189,039; renewed Sept. 9, 1944.

Otis Gin & Warehouse Company, The, Carlsbad and Loving, N. Mex., to The Otis Gin & Warehouse Company, Loving, N. Mex. Mixed feed, cotton seed meal, cotton-seed cake, etc. 185,740; renewed June 24, 1944.

Pangborn Corporation, Hagerstown, Md. Glue paper. 192,671; renewed Dec. 9, 1944.

Peek Bros. and Superior Flour Company. (See Peek, Robert M.)

Peek, Robert M., doing business as Peek Bros. and Superior Flour Company, Little Rock, Ark. Wheat flour. 408,615; Aug. 22; Serial No. 464,497; published June 6, 1944. Class 46.

Penn, Fred G., Wallingford, Vt., to Fred G. Penn, South Wallingford, Vt. Liniment. 187,743; renewed Aug. 12, 1944.

Penn Leather Company, Philadelphia, Pa. Hides, skin and leather. 192,879; renewed Dec. 16, 1944.

Pin Money Brands, Incorporated. (See Kidd, Mrs. E. G., Incorporated, assignor.)

Quinn, K. J., & Co. Inc., Boston, Mass. Preparation in paste or semi-paste form to be applied to leather. 408,628; Aug. 22; Serial No. 468,159; published June 13, 1944. Class 4.

Radex Corporation, Chicago, Ill. Universal signal generators. 408,622; Aug. 22; Serial No. 466,769; published June 13, 1944. Class 21.

Ralston, John G. (See Meyers, John B.)

Reeves, Parvin & Co., Philadelphia, Pa., assignor to Angus Watson & Co. (America) Limited, San Francisco, Calif. Canned and preserved fruits and vegetables. 25,218; re-renewed Sept. 11, 1944.

Rodman, Harry, New York, N. Y. Watches and watch movements. 408,650; Aug. 22; Serial No. 468,816; published June 6, 1944. Class 27.

Russell-Miller Milling Co. (See Standard Tilton Milling Co., assignor.)

Scott, Lawrence B., doing business as Metalock Company, Columbus, Ohio. Metallic rods and elements. 408,658; Aug. 22; Serial No. 469,213; published June 13, 1944. Class 14.

Siegel Bros. Garment Corp., New York, N. Y. Woolen and worsted fabrics. 408,638–9; Aug. 22; Serial Nos. 468,638–9; published June 6, 1944. Class 42.

Siegel Bros. Garment Corp., New York, N. Y. Woolen and worsted fabrics. 408,652; Aug. 22; Serial No. 468,977; published June 13, 1944. Class 42.

Siegel Bros. Garment Corp., New York, N. Y. Ladies' and misses' coats and suits. 408,679; Aug. 22. Class 39.

Smith, Bryan S., doing business as Bryan Smith Farms, Bakersfield, Calif. Fresh vegetables. 408,636; Aug. 22; Serial No. 468,477; published June 13, 1944. Class 46.

Smith, Bryan, Farms. (See Smith, Bryan S.)

Southern Mills, Incorporated, Atlanta, Ga. Fabrics woven from twisted paper strands. 408,608; Aug. 22; Serial No. 458,198; published June 13, 1944. Class 42.

Spice Islands Company. (See Johnson, Fredric H.)

Standard Blouse, Inc., New York, N. Y. Ladies' blouses. 408,672; Aug. 22. Class 39.

Standard Oil Company of New Jersey, Wilmington, Del. Leather oil. 408,613; Aug. 22; Serial No. 464,451; published June 13, 1944. Class 4.

Standard Oil Company of New Jersey, Wilmington, Del. Ink oil. 408,614; Aug. 22; Serial No. 464,453; published June 13, 1944. Class 11.

Standard Tilton Milling Co., St. Louis, Mo., assignor to Russell-Miller Milling Co., Minneapolis, Minn. Fine and coarse ground corn products. 191,829–30; renewed Nov. 18, 1944.

Stewart Stamping Company, New York, N. Y. Electric terminals. 408,673; Aug. 22. Class 21.

Stoltz, Jay P., Columbus, Ohio. Combination article of furniture. 408,632; Aug. 22; Serial No. 468,397; published June 13, 1944. Class 32.

Strong Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 192,628; renewed Dec. 9, 1944.

Strong Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 192,698; renewed Dec. 9, 1944.

Strouse, Adler & Co., assignor to The Strouse, Adler Company, New Haven, Conn. Corsets. 189,463; renewed Sept. 16, 1944.

Strouse, Adler & Co., assignor to The Strouse, Adler Company, New Haven, Conn. Corsets and brassière corsets. 192,599; renewed Dec. 9, 1944.

Strouse, Adler Company, The. (See Strouse, Adler & Co., assignor.)

Stuart, F. A., Co. (See Stuart, Frank A., assignor.)

Stuart, Frank A., assignor to F. A. Stuart Co., Marshall, Mich. Lozenges or tablets. 25,501; re-renewed Nov. 13, 1944.

Suchar Process Corporation, Dover, Del., assignor, by mesne assignments, to West Virginia Pulp and Paper Company, New York, N. Y. Activated and unactivated carbons and carbonaceous materials. 189,657; renewed Sept. 23, 1944.

Terry, Walter T., Jr., Wichita, Kans., assignor, by mesne assignments, to S. W. Chapman, Kansas City, Mo. Floor and furniture wax. 190,873; renewed Oct. 28, 1944.

Theatre Guild, Inc., New York, N. Y. Printed books of a series. 192,663; renewed Dec. 9, 1944.

Theatre Guild, Inc., New York, N. Y. Printed books of a series. 192,736; renewed Dec. 9, 1944.

Titan Metal Manufacturing Company, Bellefonte, Pa. Brass forgings, brass, castings, etc. 408,610; Aug. 22; Serial No. 461,293; published June 13, 1944. Class 14.

Touster, Ben. (See Cinderella Hat Co., Inc.)

Trimz Company, Inc., Chicago, Ill. Decorative paper specialties. 408,609; Aug. 22; Serial No. 458,828; published June 13, 1944. Class 37.

United Carbon Company, Inc. (See United Oil & Natural Gas Products Corporation, assignor.)

United Oil & Natural Gas Products Corporation, Monroe, La., assignor, by mesne assignments, to United Carbon Company, Inc. (Maryland), Charleston, W. Va. Hydrocarbon black. 192,125; renewed Nov. 25, 1944.

United States Bronze Powder Works, Inc., New York, N. Y. Bronze powders. 192,987; renewed Dec. 16, 1944.

Vita Fish Preserving Works, assignor to Vita Food Products, Incorporated, New York, N. Y. Russian caviar. 187,961; renewed Aug. 12, 1944.

Vita Food Products, Incorporated. (See Vita Fish Preserving Works, assignor.)

Wasserman, Rene D., doing business as Eutectic Welding Alloys Company, New York, N. Y. Welding electrodes. 408,653; Aug. 22; Serial No. 469,028; published June 6, 1944. Class 14.

Watson, Angus, & Co. (America) Limited. (See Reeves, Parvin & Co., assignor.)

Wawak Company, Inc., Chicago, Ill. Woolen piece goods, etc. 408,611; Aug. 22; Serial No. 463,388; published June 13, 1944. Class 42.

Webster-Thomas Company, Boston, Mass. Canned vegetables, canned fruits, and canned fish. 408,659; Aug. 22; Serial No. 469,291; published June 13, 1944. Class 46.

West Virginia Pulp and Paper Company. (See Suchar Process Corporation, assignor.)

Whittier Select Citrus Association, Whittier, Calif. Fresh citrous fruits. 193,048; renewed Dec. 16, 1944.

Wilbur-Ellis Company, San Francisco, Calif. Canned foods. 408,663; Aug. 22; Serial No. 469,423; published June 13, 1944. Class 46.

Wilson's Leading Jewelers, Inc., Syracuse, N. Y. Diamond rings. 408,640; Aug. 22; Serial No. 468,652; published June 6, 1944. Class 28.

Winorr Canning Company, The, Circleville, Ohio. Canned vegetables and canned berries. 193,049; renewed Dec. 16, 1944.

Wirth, Dorsey M., Bucyrus, Ohio. Leather garment-supporting belts. 189,247; renewed Sept. 16, 1944.

Wisconsin Chemical Products Company, Milwaukee, Wis. Rubber cement. 408,619; Aug. 22; Serial No. 466,187; published Mar. 21, 1944. Class 5.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbon black. J. M. Huber, Inc. 408,627; Aug. 22; Serial No. 468,032; published June 6, 1944.

Coal, High volatile. Kearns Coal Company. 408,620; Aug. 22; Serial No. 466,330; published June 13, 1944.

Comminuted mixture of silica and glass. Carco Products, Inc. 408,648; Aug. 22; Serial No. 468,788; published June 6, 1944.

Hides, skin and leather. Penn Leather Company. 192,879; renewed Dec. 16, 1944.

Leather. Denver Leather Co. 192,978; renewed Dec. 16, 1944.

Leather. Ohio Leather Company. 408,642; Aug. 22; Serial No. 468,680; published June 6, 1944.

Seed, Grass. C. C. Morse & Co. 192,923; renewed Dec. 16, 1944.

Seed wheat, seed corn, seed barley, etc. C. L. Adams. 408,675; Aug. 22.

Silica and glass, Comminuted mixture of. Carco Products, Inc. 408,649; Aug. 22; Serial No. 468,789; published June 13, 1944.

Vegetable fiber material, Resin-impregnated. Columbian Rope Company. 408,633; Aug. 22; Serial No. 468,437; published June 6, 1944.

CLASS 2

Bottles, Thermos. American Thermos Bottle Company. 192,452; renewed Dec. 2, 1944.

CLASS 4

Abrasive grinding wheels and polishing wheels. New York Grinding Wheel Corporation. 408,641; Aug. 22; Serial No. 468,679; published June 13, 1944.

Oil, Leather. Standard Oil Company of New Jersey. 408,613; Aug. 22; Serial No. 464,451; published June 13, 1944.

Polish. Grady Mfg. Co. 182,778; renewed Apr. 15, 1944.

Preparation in paste or semi-paste form to be applied to leather. K. J. Quinn & Co. Inc. 408,628; Aug. 22; Serial No. 468,159; published June 13, 1944.

CLASS 5

Cement, Rubber. Wisconsin Chemical Products Company. 408,619; Aug. 22; Serial No. 466,187; published Mar. 21, 1944.

CLASS 6

Chemical compound. Oakley Chemical Company. 192,610–11; renewed Dec. 9, 1944.

Hydrocarbon black. United Oil & Natural Gas Products Corporation. 192,125; renewed Nov. 25, 1944.

Kernels to kill rodents and other vermin, Poisoned. J. B. Meyers. 185,920; renewed June 24, 1944.

Liniment. F. G. Penn. 187,743; renewed Aug. 12, 1944.

Lozenges or tablets. F. A. Stuart. 25,501; re-renewed Nov. 13, 1944.

Medicinal preparation. Lauber & Lauber Co. 185,985; renewed July 1, 1944.

Medicinal preparation. Nutrolactis Company. 25,312; re-renewed Oct. 9, 1944.

Powders, Toilet. French Cosmetic Mfg. Co. Inc. 190,611; renewed Oct. 14, 1944.

Wax, Floor and furniture. W. T. Terry, Jr. 190,873; renewed Oct. 28, 1944.

CLASS 7

Ribbon or tape, Flat cotton. General Printed String Co. 408,674; Aug. 22.

Rope and cable, Manila. Edwin H. Filter Company. 192,881; renewed Dec. 16, 1944.

CLASS 8

Pipes, Smokers'. L. & H. Stern, Inc. 408,651; Aug. 22; Serial No. 468,822; published June 6, 1944.

CLASS 11

Oil, Ink. Standard Oil Company of New Jersey. 408,614; Aug. 22; Serial No. 464,453; published June 13, 1944.

CLASS 14

Electrodes, Welding. R. D. Wasserman. 408,653; Aug. 22; Serial No. 469,028; published June 6, 1944.

Forgings, brass castings, and welding rods, Brass. Titan Metal Manufacturing Company. 408,610; Aug. 22; Serial No. 461,293; published June 13, 1944.

Rod, Hard surfacing welding. B. F. Doke. 408,662; Aug. 22; Serial No. 469,355; published June 13, 1944.

Rods and elements, Metallic. L. B. Scott. 408,658; Aug. 22; Serial No. 469,213; published June 13, 1944.

CLASS 15

Wax, Petroleum. Industrial Raw Materials Corporation. 408,630; Aug. 22; Serial No. 468,288; published June 13, 1944.

Wax, Petroleum. Industrial Raw Materials Corporation. 408,631; Aug. 22; Serial No. 468,292; published June 13, 1944.

CLASS 16

Powders, Bronze. United States Bronze Powder Works. 192,987; renewed Dec. 16, 1944.

Turpentine and pine oil. Hercules Powder Company. 192,384–5; renewed Dec. 2, 1944.

CLASS 21

Electric motors, Synchronous. Electrolux Corporation. 408,660; Aug. 22; Serial No. 469,297; published June 13, 1944.
Generators, Universal signal. Radex Corporation. 408,622; Aug. 22; Serial No. 466,769; published June 13, 1944.
Radio receiving sets and parts thereof, and electric toasters. H. A. Astlett & Co. 408,654; Aug. 22; Serial No. 469,106; published June 13, 1944.
Terminals, Electric. Stewart Stamping Company. 408,673; Aug. 22.

CLASS 22

Automobiles and trucks, toy automobiles and trucks, etc., Juvenile. Murray Products Company. 185,508; renewed June 17, 1944.
Dolls and toy animals. C. Bannister. 408,656; Aug. 22; Serial No. 469,142; published June 13, 1944.
Game boards. W. P. McGrath. 408,665; Aug. 22; Serial No. 469,688; published June 13, 1944.
Game played with cards. Electric Game Co. 408,634; Aug. 22; Serial No. 468,444; published June 13, 1944.
Tackle, Fishing. L. W. Enholm. 408,647; Aug. 22; Serial No. 468,710; published June 13, 1944.
Toys, Wheeled push. Ben. G. Jeffries. 408,635; Aug. 22; Serial No. 468,453; published June 13, 1944.

CLASS 23

Knives, machetes, files, etc., Butchers'. J. & J. Beal. 183,821; renewed May 6, 1944.
Pipe cutters, pipe-cutter wheels, pipe dies, etc. Nye Tool & Machine Works. 192,911; renewed Dec. 16, 1944.
Pocketknives, razors, hair clippers, etc. Aerial Cutlery Manufacturing Company. 192,274; renewed Dec. 2, 1944.
Wrenches and socket-wrench sets, Socket. S. Mandl. 186,808; renewed July 22, 1944.

CLASS 26

Goggles. DuBois Plastic Products, Inc. 408,661; Aug. 22; Serial No. 469,328; published June 13, 1944.
Patterns, Paper dress. G. M. Laub. 408,625; Aug. 22; Serial No. 467,721; published June 13, 1944.
Patterns, Paper dress. G. M. Laub. 408,626; Aug. 22; Serial No. 467,723; published June 13, 1944.

CLASS 27

Watches and watch movements. H. Rodman. 408,650; Aug. 22; Serial No. 468,816; published June 6, 1944.
Watches, watch cases, and watch movements. Gruen Watch Company. 408,670; Aug. 22.

CLASS 28

Bottles, jars, carafes, etc. Icy-Hot Bottle Company. 190,352; renewed Oct. 14, 1944.
Jewelry. Argenzio Brothers. 408,612; Aug. 22; Serial No. 464,193; published June 13, 1944.
Necklaces. Morris, Mann & Reilly, Inc. 192,361; renewed Dec. 2, 1944.
Rings, Diamond. Wilson's Leading Jewelers, Inc. 408,640; Aug. 22; Serial No. 468,652; published June 6, 1944.
Wedding rings, engagement rings, and diamond rings. Bauman-Massa Jewelry Company. 408,664; Aug. 22; Serial No. 468,657; published June 6, 1944.

CLASS 29

Brushes. Fuller Brush Company. 408,667; Aug. 22.
Tool, Extension-handled. Bon-Ami Company. 188,347; renewed Aug. 26, 1944.

CLASS 30

Plates, cups, jugs, etc. Icy-Hot Bottle Company. 191,569; renewed Nov. 11, 1944.

CLASS 31

Carbons and carbonaceous materials, Activated and unactivated. Suchar Process Corporation. 189,657; renewed Sept. 23, 1944.
Condensers and condensing units. Brunner Manufacturing Company. 408,677; Aug. 22.
Locker units, Refrigerated. W. M. Baird. 408,681; Aug. 22.

CLASS 32

Furniture, Combination articles of. J. P. Stoltz. 408,632; Aug. 22; Serial No. 468,397; published June 13, 1944.

CLASS 34

Heaters, Water. Hoyt Heater Company. 192,859; renewed Dec. 16, 1944.

CLASS 35

Canvas, hose-like waterers, Porous. Hastings Canvas & Mfg. Co. 408,682; Aug. 22.
Gaskets. William M. Fencil Company. 408,684; Aug. 22.

CLASS 37

Blank forms. R. D. McDill. 408,671; Aug. 22.
Fountain markers and tips therefor and stencil boards. Diagraph-Bradley Stencil Machine Corporation. 408,617; Aug. 22; Serial No. 465,417; published June 13, 1944.
Paper. C. H. Dexter & Sons, Inc. 191,312–3; renewed Nov. 4, 1944.
Paper articles. International Cellucotton Products Co. 408,618; Aug. 22; Serial No. 465,505; published June 6, 1944.
Paper, Coated and uncoated printing. Bryant Paper Company. 408,643; Aug. 22; Serial No. 468,695; published June 6, 1944.
Paper, Coated printing. Bryant Paper Company. 408,645; Aug. 22; Serial No. 468,698; published June 6, 1944.
Paper, Coated printing. Bryant Paper Company. 408,646; Aug. 22; Serial No. 468,700; published June 13, 1944.
Paper, Coated printing. Bryant Paper Company. 408,666; Aug. 22; Serial No. 468,697; published June 6, 1944.
Paper, Glue. Pangborn Corporation. 192,671; renewed Dec. 9, 1944.
Paper, Printing. Bryant Paper Company. 408,644; Aug. 22; Serial No. 468,696; published June 6, 1944.
Paper specialties, Decorative. Trimz Company. 408,609; Aug. 22; Serial No. 458,828; published June 13, 1944.

CLASS 38

Books of a series, Printed. Theatre Guild, Inc. 192,663; renewed Dec. 9, 1944.
Books of a series, Printed. Theatre Guild, Inc. 192,736; renewed Dec. 9, 1944.
Section of a magazine. Boy Scouts of America. 192,902; renewed Dec. 16, 1944.

CLASS 39

Belts, Leather garment-supporting. D. M. Wirth. 189,247; renewed Sept. 16, 1944.
Blouses, Ladies'. Standard Blouse, Inc. 408,672; Aug. 22.
Blouses, shirt waists, and dresses, Ladies'. B. J. Di Tosti. 408,668; Aug. 22.
Boots, Rubber. Converse Rubber Shoe Co. 193,078; renewed Dec. 16, 1944.
Coats and suits, Ladies' and misses'. Siegel Bros. Garment Corp. 408,679; Aug. 22.
Coats, suits, jackets, skirts, etc., Ladies' and misses'. Morris W. Haft & Brothers. 408,678; Aug. 22.
Corsets. Strouse, Adler & Co. 189,463; renewed Sept. 16, 1944.
Corsets and brassière corsets. Strouse, Adler & Co. 192,590; renewed Dec. 9, 1944.
Gloves, cuffs, and mittens. Fownes Brothers & Co. 25,564; re-renewed Nov. 27, 1944.
Hats, Infants', children's, and misses'. Cinderalla Hat Co. 193,005; renewed Dec. 16, 1944.
Heels, Rubber. Cupples Company, Manufacturers. 189,322; renewed Sept. 16, 1944.
Pants, coats, breeches, etc. Hicks-Hayward Co. 191,007; renewed Oct. 28, 1944.
Shoes. Converse Rubber Shoe Co. 193,082; renewed Dec. 16, 1944.
Soles, Rubber. Auburn Rubber Company. 188,072; renewed Aug. 19, 1944.
Topcoats and overcoats and suits, Men's and boys'. Levy Bros. & Adler Rochester, Incorporated. 408,680; Aug. 22.

CLASS 40

Pins, crochet hooks, stitch holders, etc., Knitting. Gottlieb Brothers. 192,986; renewed Dec. 16, 1944.

CLASS 42

Bathrobe and lounging rob blankets in the piece, Cotton. Esmond Mills. 192,981; renewed Dec. 16, 1944.
Blankets. Nashua Manufacturing Company. 408,624; Aug. 22; Serial No. 467,668; published June 13, 1944.
Carpets and rugs, Textile. Bigelow-Hartford Carpet Co. 187,907; renewed Aug. 12, 1944.
Cotton piece goods. Appleton Company. 192,861; renewed Dec. 16, 1944.
Cotton piece goods, Bleached. B. B. & R. Knight, Inc. 186,473–5; renewed July 8, 1944.
Fabrics in the piece, Cotton. Exeter Manufacturing Company. 408,629; Aug. 22; Serial No. 468,234; published June 6, 1944.
Fabrics in the piece, Textile. North Carolina Fabrics Corporation. 408,616; Aug. 22; Serial No. 465,043; published June 13, 1944.
Fabrics in the piece, Woolen and worsted. Siegel Bros. Garment Corp. 408,652; Aug. 22; Serial No. 468,977; published June 13, 1944.
Fabrics, Woolen and worsted. Siegel Bros. Garment Corp. 408,638–9; Aug. 22; Serial Nos. 468,638–9; published June 6, 1944.

Fabrics woven from twisted paper strands. Southern Mills, Incorporated. 408,608; Aug. 22; Serial No. 458,198; published June 13, 1944.
Piece goods. Bradford Dyeing Association (U. S. A.). 192,767; renewed Dec. 9, 1944.
Piece goods. Bradford Dyeing Association (U. S. A.). 192,887–8; renewed Dec. 16, 1944.
Piece goods, etc., Woolen. Wawak Company, Inc. 408,611; Aug. 22; Serial No. 463,388; published June 13, 1944.
Rugs, Fiber. Deltox Grass Rug Company. 192,693; renewed Dec. 9, 1944.
Woolen piece goods. Strong Hewat & Co. 192,628; renewed Dec. 9, 1944.
Woolen piece goods. Strong Hewat & Co. 192,698; renewed Dec. 9, 1944.

CLASS 44

Lamps and other lamps giving therapeutic rays, Vapor. Hanovia Chemical and Manufacturing Company. 408,623; Aug. 22; Serial No. 466,836; published June 13, 1944.

CLASS 45

Beverages and sirups for making the same, Nonalcoholic maltless. Orange-Crush Company. 187,820; renewed Aug. 12, 1944.
Beverages. Nonalcoholic maltless. Orange-Crush Company. 189,039; renewed Sept. 9, 1944.

CLASS 46

Beans. Michigan Elevator Exchange. 192,970; renewed Dec. 16, 1944.
Bread. P. Duchaine. 186,406; renewed July 8, 1944.
Candy bars. King Cole Company. 408,657; Aug. 22; Serial No. 469,202; published June 13, 1944.
Canned foods. Wilbur-Ellis Company. 408,663; Aug. 22; Serial No. 469,423; published June 13, 1944.
Canned fruit. F. E. Booth Co. 191,543; renewed Nov. 11, 1944.
Canned vegetables. Cedar Falls Canning Co. 193,102; renewed Dec. 16, 1944.
Canned vegetables and canned berries. Winorr Canning Company. 193,049; renewed Dec. 16, 1944.
Canned vegetables, canned fruits and canned fish. Wester-Thomas Company. 408,659; Aug. 22; Serial No. 469,291; published June 13, 1944.
Caviar, Russian. Vita Fish Preserving Works. 187,961; renewed Aug. 12, 1944.
Cheese, Swiss. Alpina Cheese Co. 170,834; renewed July 24, 1943.
Cheese, Swiss. Alpina Cheese Co. 172,573; renewed Sept. 11, 1943.
Coffee. K. D. Jakovich. 186,898; renewed July 29, 1944.
Corn products, Fine and coarse ground. Standard Tilton Milling Co. 191,829–30; renewed Nov. 18, 1944.
Feed, cotton seed meal, cottonseed cake, etc., Mixed. Otis Gin & Warehouse Company. 185,740; renewed June 24, 1944.
Fish, Canned, salted, spiced, and smoked. Hanson Fish Products Co. 188,354; renewed Aug. 26, 1944.
Flour, Wheat. R. M. Peek. 408,615; Aug. 22; Serial No. 464,497; published June 6, 1944.
Food products. F. H. Johnson. 408,683; Aug. 22.
Fruit jam. Goodwin Preserving Co. 408,655; Aug. 22; Serial No. 469,123; published June 6, 1944.
Fruits and vegetables, Canned and preserved. Reeves, Parvin & Co. 25,218; re-renewed Apr. 11, 1944.
Fruits, Fresh citrous. Whittier Select Citrous Association. 193,048; renewed Dec. 16, 1944.
Hams and bacons. Hammond, Standish & Co. 192,996; renewed Dec. 16, 1944.
Milk, Evaporated. Defiance Dairy Products Company. 188,273; renewed Aug. 19, 1944.
Muffin mix, Packaged. Libby, McNeill & Libby. 408,637; Aug. 22; Serial No. 468,615; published June 13, 1944.
Olive oil, egg noodles, chicken liver pâte, etc. R. U. Delapenha. 408,676; Aug. 22.
Pickles. Mrs. E. G. Kidd, Incorporated. 188,156; renewed Aug. 19, 1944.
Salad dressing. H. M. Levin. 408,669; Aug. 22.
Vegetables, Fresh. B. S. Smith. 408,636; Aug. 22; Serial No. 468,477; published June 13, 1944.

CLASS 50

Vegetable fibre materials, Molded needled felted. Columbian Rope Company. 408,621; Aug. 22; Serial No. 466,636; published June 6, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF AUGUST, 1944

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Hare, Donald G. C., Roslyn, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Method and apparatus for measuring thickness. Re. 22,531; Aug. 22.

Lutz, Raymond P., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Composite insulating material and method of making same. Re. 22,532; Aug. 22.

Niagara Blower Company. (See Olstad, Martin H., and Williams, assignors.)

Olstad, Martin H., and A. E. Williams, White Plains, assignors to Niagara Blower Company, New York, N. Y. Apparatus for cooling a stream of fluid. Re. 22,533; Aug. 22.

Prouty, Willis O., Hermosa Beach, Calif., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, New York, N. Y. Ultraviolet light source. Re. 22,534; Aug. 22.

Shimek, Edwin J., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Master control for electric seismographs. Re. 22,535; Aug. 22.

Socony-Vacuum Oil Company. (See Shimek, Edwin J., assignor.)

Texas Company, The. (See Hare, Donald G. C., assignor.)

Western Electric Company, Incorporated. (See Lutz, Raymond P., assignor.)

Westinghouse Electric and Manufacturing Company. (See Prouty, Willis O., assignor.)

Williams, Allan E. (See Olstad, Martin H., and Williams, assignors.)

LIST OF DESIGN PATENTEES

Abrasive Dressing Tool Company. (See Krandall, Jerry, assignor.)

Adair, James E., Chicago, Ill., assignor to Colorgraphic, Inc. Toy phonograph. 138,565; Aug. 22.

Beaver Pipe Tools, Inc. (See Phillis, William A., assignor.)

Bernstein, David A., et al. (See de Waltoff, Samuel A., assignor.)

Bollmeier, Carl F., Milwaukee, Wis. Toy revolver. 138,566; Aug. 22.

Brandenburg Instrument Co. (See Brandenburg, Julius, assignor.)

Brandenburg, Julius, New York, N. Y., assignor to Brandenburg Instrument Co., Inc. Spinal puncture needle. 138,589; Aug. 22.

Bryant Heater Company, The. (See Ryden, Eric H., assignor.)

Buffenbarger, James F., assignor to The Gardner-Richardson Company, Middletown, Ohio. Floating decoy or like figure. 138,590; Aug. 22.

Chemex Corporation. (See Schlumbohm, Peter, assignor.)

Colorgraphic, Inc. (See Adair, James E., assignor.)

Coro, Inc. (See Katz, Adolph, assignor.)

Crosby, Stephen A., Chicago, Ill., assignor to Sterling Tool Products Company. Electric sanding machine or the like. 138,567; Aug. 22.

Curry, Ralph E., Flint, Mich. Oarlock socket. 138,591; Aug. 22.

De Waltoff, Samuel A., assignor of one-third to H. K. King and one-third to D. A. Bernstein, Los Angeles, Calif. Radio Reminder. 138,578; Aug. 22.

Federal Telephone and Radio Corporation. (See Litton, Charles V., assignor.)

Gardner-Richardson Company, The. (See Buffenbarger, James F., assignor.)

Gardner-Richardson Company, The. (See Ringler, William A., assignor.)

Gillette, George T., Garden City, N. Y. Electron symbols stencil. 138,592; Aug. 22.

Goldberg, Jacob M., Denver, Colo. Moving picture film reel. 138,559; Aug. 22.

Goldbert, Max L., New York, N. Y. Condiment dispenser, or similar article. 138,568; Aug. 22.

Golden, Zelma, New York, N. Y. Dress. 138,608; Aug. 22.

Golden, Zelma, New York, N. Y. Dress. 138,609; Aug. 22.

Golden, Zelma, New York, N. Y. Dress. 138,610; Aug. 22.

Golden, Zelma, New York, N. Y. Dress. 138,615; Aug. 22.

Golden, Zelma, New York, N. Y. Dress. 138,616; Aug. 22.

Graham, Worth B., Newark, N. J. Wrench. 138,569; Aug. 22.

Guerra, Carlos E. P. (See Merralls, Judith M. G., assignor.)

Gulick, John H., Garfield Heights, Ohio. Bottle warmer. 138,593; Aug. 22.

Harvey Machine Co. (See Orkin, Samuel, assignor.)

Hobden, Frederick G., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,580; Aug. 22.

Hobden, Frederick G., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,581; Aug. 22.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,582; Aug. 22.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,583; Aug. 22.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,584; Aug. 22.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,585; Aug. 22.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,586; Aug. 22.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 138,587; Aug. 22.

Huff, Taylor E., Fort Knox, Ky. Universal combat knife. 138,570; Aug. 22.

Huff, Taylor E., Fort Knox, Ky. Scabbard for a universal combat knife. 138,571; Aug. 22.

Jack, Joe F., Arcadia, Calif. Offset hammer spur for a pistol or similar article. 138,594; Aug. 22.

Jack, Joe F., Arcadia, Calif. Offset hammer spur for a pistol or similar article. 138,595; Aug. 22.

Jarrell, Joseph B., Prosser Wash. Tire servicing tool. 138,572; Aug. 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 138,605; Aug. 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 138,612; Aug. 22.

King, Henry K., et al. (See de Waltoff, Samuel A., assignor.)

Kleven, Samuel L., Augusta, Maine. Shoe or similar article. 138,573; Aug. 22.

Kleven, Samuel L., Augusta, Maine. Shoe or similar article. 138,574; Aug. 22.

Krandall, Jerry, assignor to Abrasive Dressing Tool Company, Detroit, Mich. Diamond dressing toolholder. 138,596; Aug. 22.

Lichtenstein, Malvina, Bronx, N. Y. Belt or similar article. 138,617; Aug. 22.

Little, John M., Toledo, Ohio, assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Pull chain hoist. 138,597; Aug. 22.

Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Electron discharge device. 138,601; Aug. 22.

Manning, Maxwell & Moore, Inc. (See Little, John M., assignor.)

Merralls, Judith M. G., West Los Angeles, assignor to C. E. P. Guerra, Hollywood, Calif. Bottle or similar article of manufacture. 138,602; Aug. 22.

Morehead, James A., Huntington, assignor to Sinclair Glass Company, Ceredo, W. Va. Combined paper weight and photograph mount. 138,560; Aug. 22.

Morris, Harry, Chicago, Ill. Compact or similar article. 138,598; Aug. 22.

Orkin, Samuel, assignor to Harvey Machine Co., Inc., Los Angeles, Calif. Box. 138,611; Aug. 22.
Pattern, Wilbert H., Trenton, N. J. Combined valve seat and overflow pipe. 138,613; Aug. 22.
Phillips, William A., assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Cutting machine. 138,606; Aug. 22.
Quaker Lace Company. (See Hobden, Frederick G., assignor.)
Rea, Philip M., Oklahoma City, Okla. Valve for mud pump lines. 138,599; Aug. 22.
Reese, Lewis P., Scio, Ohio. Pottery mold caster's bench. 138,575; Aug. 22.
Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Floating decoy or like figure. 138,600; Aug. 22.
Rost, Katheryn, New York, N. Y. Dress. 138,588; Aug. 22.
Ryden, Eric H., Bedford, assignor to The Bryant Heater Company, Cleveland, Ohio. Furnace. 138,614; Aug. 22.
Salvage, Edward, New York, N. Y. Optical frame. 138,576; Aug. 22.
Schlembohm, Peter, assignor to Chemex Corporation, New York, N. Y. Coffee maker or the like. 138,561; Aug. 22.
Schmidt, George, Los Angeles, Calif. Link chain for a bracelet or the like. 138,603; Aug. 22.
Schoer, Jacob, Brooklyn, N. Y. Hat or similar article. 138,607; Aug. 22.
Sinclair Glass Company. (See Morehead, James A., assignor.)
Sperti, Inc. (See Stevens, George A., assignor.)
Sterling Tool Products Company. (See Crosby, Stephen A., assignor.)
Stevens, George A., Highlands, N. J., assignor to Sperti, Inc., Norwood, Ohio. Bottle or similar article. 138,604; Aug. 22.
Tashman, Harry, New York, N. Y. Tieback or similar article. 138,577; Aug. 22.
Walker, Joset, New York, N. Y. Dress. 138,618; Aug. 22.
Wallace, R., & Sons Manufacturing Company. (See Warren, William S., assignor.)
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 138,562; Aug. 22.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 138,563; Aug. 22.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 138,564; Aug. 22.
Wing, George S., Hermosa Beach, Calif. Combined rivet and collar. 138,579; Aug. 22.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abernathy, David W., assignor to Products Development, Inc., Chicago, Ill. Gaseous discharge tube circuit. 2,356,369; Aug. 22.
Ackerman-Blaesser-Fezzey, Inc. (See Ackerman, E. L., and Crum, assignors.)
Ackerman, Edward L., and A. V. Crump, assignors to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Electrically operated window regulator. 2,356,642; Aug. 22.
Adlake Company, The. (See Pressnall, Charles A., assignor.)
Aeldert, August, Dusseldorf, Germany; vested in the Alien Property Custodian. Beating engine. 2,356,555; Aug. 22.
Aex, Paul S., and C. H. Guell, assignors to Eastman Kodak Company, Rochester, N. Y. Making fade-outs by after-treatment. 2,356,439; Aug. 22.
Agriculture of the United States of America, Claude R. Wickard, and his successors in office, Secretary of. (See Smith, Claude R., assignor.)
Alien Property Custodian. (See Aeldert, August.)
Alien Property Custodian. (See Anderson, G. L., and Ryan.)
Alien Property Custodian. (See Anzionnaz, René, and Imbert.)
Alien Property Custodian. (See Appel, Hans.)
Alien Property Custodian. (See Avenhaus, Wilhelm.)
Alien Property Custodian. (See Bähring, Herbert.)
Alien Property Custodian. (See Banning, Helmuth.)
Alien Property Custodian. (See Bargeboer, Adolf.)
Alien Property Custodian. (See Baumgärtner, Wilhelm.)
Alien Property Custodian. (See Beduneau, Emile F. L.)
Alien Property Custodian. (See Berg H., and Mader.)
Alien Property Custodian. (See Bernat, Henri.)
Alien Property Custodian. (See Boinot, Firmin C.)
Alien Property Custodian. (See Callsen, A., and Weiss.)
Alien Property Custodian. (See Chomette, A., and Thiollet.)
Alien Property Custodian. (See Christiansen, Aage.)
Alien Property Custodian. (See Christensen, Henry M.)
Alien Property Custodian. (See Chwala, August.)
Alien Property Custodian. (See Couelle, Jacques.)
Alien Property Custodian. (See Couturier, Alfred L.)
Alien Property Custodian. (See de France, Henri.)
Alien Property Custodian. (See Descourtis, Paul.)
Alien Property Custodian. (See Deserno, Peter.)
Alien Property Custodian. (See De Smet, P., and Mees.)
Alien Property Custodian. (See Dewoitine, Emile J. E.)
Alien Property Custodian. (See Dornig, Mario.)
Alien Property Custodian. (See Franz, Ehrhart.)
Alien Property Custodian. (See Frasch, Jean.)
Alien Property Custodian. (See Free, G., v. Fuener, and Goehre.)
Alien Property Custodian. (See Fuscaldo, Ottavio.)
Alien Property Custodian. (See Gieffers, Friedrich.)
Alien Property Custodian. (See Gonon, Paul J. J.)
Alien Property Custodian. (See Görisch, Rolf.)
Alien Property Custodian. (See Grandel, Felix.)
Alien Property Custodian. (See Guareschi, Pietro.)
Alien Property Custodian. (See Haffner, Felix, and Sommer.)
Alien Property Custodian. (See Hagedorn, Max.)
Alien Property Custodian. (See Heil, Rudolf.)
Alien Property Custodian. (See Heller, László.)
Alien Property Custodian. (See Hempel, Emil.)
Alien Property Custodian. (See Hentrich, W., and Endres.)
Alien Property Custodian. (See Hentrich, W., Kaiser, and Reuss.)
Alien Property Custodian. (See Hermes, Karl.)
Alien Property Custodian. (See Herrmann, Heinrich.)
Alien Property Custodian. (See Jacobsen, Jörgen H.)
Alien Property Custodian. (See Koeppe, W., and Kodal.)
Alien Property Custodian. (See König, R., Gerecs, and Földi.)
Alien Property Custodian. (See Koucký, Josef.)
Alien Property Custodian. (See Kramlí, A., and Vargha.)
Alien Property Custodian. (See Kronenberger, Adam.)
Alien Property Custodian. (See Kummich, Theodor.)
Alien Property Custodian. (See Landgraf, Otto.)
Alien Property Custodian. (See Lang, R., and Maybach.)
Alien Property Custodian. (See Lentz, Anton.)
Alien Property Custodian. (See Lipsky, Jean.)
Alien Property Custodian. (See Lohse, Julius.)
Alien Property Custodian. (See Marzoli, Luigi.)
Alien Property Custodian. (See Mayer, F., and Wopper.)
Alien Property Custodian. (See Meininghaus, Ulrich.)
Alien Property Custodian. (See Mercier, Jean.)
Alien Property Custodian. (See Messner, Maximilian.)
Alien Property Custodian. (See Mette, Bodo.)
Alien Property Custodian. (See Müller, Josef.)
Alien Property Custodian. (See Pelcé, Henri.)
Alien Property Custodian. (See Perrin, René.)
Alien Property Custodian. (See Peters, Kurt.)
Alien Property Custodian. (See Pfaff, Peter, and Benkert.)
Alien Property Custodian. (See Pflock, Rudolf.)
Alien Property Custodian. (See Poncet, Andre Francois Henry.)
Alien Property Custodian. (See Proos, Cornelis F.)
Alien Property Custodian. (See Rauh, Hermann.)
Alien Property Custodian. (See Revelli, Gino.)
Alien Property Custodian. (See Riedel, Ferdinand.)
Alien Property Custodian. (See Rösler, Richard E.)
Alien Property Custodian. (See Ruska, Ernst.)
Alien Property Custodian. (See Rzymkowski, Johannes.)
Alien Property Custodian. (See Sarazin, Raoul R. R.)
Alien Property Custodian. (See Schade, Karl W.)
Alien Property Custodian. (See Schlack, Paul.)
Alien Property Custodian. (See Schmeisser, Hugo.)
Alien Property Custodian. (See Schmitt, Carl.)
Alien Property Custodian. (See Schröder-Nielsen, Thoroif.)
Alien Property Custodian. (See Schulz, C., and Tandetzke.)
Alien Property Custodian. (See Schumann, Artur.)
Alien Property Custodian. (See Séaflles, Jean C.)
Alien Property Custodian. (See Siedzianowski, Franz.)
Alien Property Custodian. (See Sonnino, C., and Sassetti.)
Alien Property Custodian. (See Stalmann, Georg P. G.)
Alien Property Custodian. (See Stieglitz, Albert.)
Alien Property Custodian. (See Sykora, Vladislav.)
Alien Property Custodian. (See Szekeres, Bela.)
Alien Property Custodian. (See Tailleferre, Henri.)
Alien Property Custodian. (See Tiedemann, Hans.)
Alien Property Custodian. (See van den Dool, Berend Jan.)
Alien Poperty Custodian. (See Van den Kieboom, Leon E. M., assignor.)
Alien Property Custodian. (See van der Bie, Godfried J.)
Alien Property Custodian. (See Voit, Willy.)
Alien Property Custodian. (See Volz, Anton.)
Alien Property Custodian. (See von Ardenne, Manfred.)
Alien Property Custodian. (See Von Borries, B., Müller, and Ruska.)
Alien Property Custodian. (See von Manteuffel, Manfred Z.)
Alien Property Custodian. (See von Opel, Fritz.)
Alien Property Custodian. (See Waldschmidt, E., and Bayer.)
Alien Property Custodian. (See Weissenberg, Gustav J.)
Alien Property Custodian. (See Weisz, Adolf.)
Alien Property Custodian. (See Wiggermann, Georg.)
Alien Property Custodian. (See Woltscheck, Arno.)
Alien Property Custodian. (See Wolff, Hanns-Heinz.)
Alien Property Custodian. (See Wölfle, Robert.)
Allen, Edmund T., and G. S. Schairer, assignors to Boeing Aircraft Company, Seattle, Wash. Aircraft empennage. 2,356,139; Aug. 22.
Allen, Wayne H., Los Angeles, Calif., assignor to General Electric Company. Deicer for supercharged aircraft carburetor. 2,356,370; Aug. 22.
Allied Chemical & Dye Corporation. (See Cline, Edwin L., assignor.)
Allied Chemical & Dye Corporation. (See Engel, K. H., and Stasse, assignors.)
Allied Chemical & Dye Corporation. (See Hamlin, Marston L., assignor.)
Allis-Chalmers Manufacturing Company. (See Hagemann, John R., assignor.)
Allshouse, Harry A., and R. H. Dyer, assignors to Welder Patents Inc., Kansas City, Mo. Welding machine. 2,356,643; Aug. 22.
Alteneder, Theo., & Sons. (See Maness, Lucian, assignor.)
American Can Company. (See Pechy, William, assignor.)
American Car and Foundry Company. (See Evans, M. S., and Stolberg, assignors.)
American Cyanamid Company. (See Dean, Russell T., assignor.)
American Cyanamid Company. (See Kirk, P. M., and McClellan, assignors.)
American Cyanamid Company. (See Northey, Elmore H., assignor.)

American Cyanamid Company. (See Wohnsiedler, H. P., and Thomas, assignors.)
American Hatters and Furriers Company, Incorporated. (See Mercier, Warren C., assignor.)
American Machine & Foundry Company. (See Arelt, Charles, assignor.)
American Measuring Instruments Corporation. (See Roger, Henry, assignor.)
American Optical Company. (See Cozzens, C. O., and Splaine, assignors.)
American Paper Bottle Company, The. (See Monroe, Charles Z., assignor.)
American Smelting and Refining Company. (See Shepard, H. M., and Knlerim, assignors.)
American Steel and Wire Company of New Jersey, The. (See Roltz, Joseph M., assignor.)
American Steel Foundries. (See Light, David M., assignor.)
American Steel Foundries. (See Aurien, R. G., and Whitney, assignors.)
American Well & Prospecting Company. (See Anderson, Carl M., assignor.)
Amstuz, John O., assignor to Behr-Manning Corporation, Troy, N. Y. Apparatus for coating. 2,356,489; Aug. 22.
Anderson, Andrew T. (See Hesslein, M. B., and Anderson.)
Anderson, Carl M., assignor to American Well & Prospecting Company, Corsicana, Tex. Draw works. 2,356,371; Aug. 22.
Anderson, Gilbert L., Flushing, and F. C. Ryan, Yonkers, N. Y.; vested in the Alien Property Custodian. Card register. 2,356,495; Aug. 22.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Regulator. 2,356,556; Aug. 22.
Anxionnaz, René, Paris, and R. Imbert, Mantes, France; vested in the Alien Property Custodian. Reaction propelling device with super-charged engine. 2,356,557; Aug. 22.
Appel, Hans, Prague, Czechoslovakia; vested in the Alien Property Custodian. Steam-heating plant. 2,356,372; Aug. 22.
Applegarth, Alexander R., Jr., Dayton, Ohio, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Automatic gain control and amplitude selection device. 2,356,140; Aug. 22.
Applegarth, Alexander R., Jr., Dayton, Ohio, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Synchronizing circuit. 2,356,141; Aug. 22.
Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine & Foundry Company. Bread wrapping machine. 2,356,644; Aug. 22.
Arenco Aktiebolag. (See Danielsson, Paul, assignor.)
Arner, Sterling R., Charlotte, N. C., assignor to Old Dominion Box Company, Lynchburg, Va. Paper box. 2,356,194; Aug. 22.
Arnold Brilhart Ltd. (See Brilhart, Arnold, assignor.)
Arrow Products Company. (See Baumgard, William H., assignor.)
Arundale, Irving. (See Mikeska, L. A., and Arundale, assignors.)
Atlantic Refining Company. (See Simonds, Frank C., assignor.)
Atlee, Zed J., Elmhurst, Ill., and H. W. Brackney, Washington, D. C., assignors to General Electric X-Ray Corporation, Chicago, Ill. X-ray tube. 2,356,645; Aug. 22.
Aurien, Ray G., Chicago, Ill., and L. L. Whitney, Hammond, Ind., assignors to American Steel Foundries, Chicago, Ill. Brake beam. 2,356,720; Aug. 22.
Automatic Screen Corporation. (See Rood, William B., assignor.)
Automatic Shifters, Inc. (See Smith, George T., assignor.)
Automotive Products Company, Limited. (See Parker, Sydney M., assignor.)
Autopoint Company. (See Deli, Frank C., assignor.)
Autoyre Company, The. (See Shailer, Philip B., assignor.)
Avenhaus, Wilhelm, Zwickau, Germany; vested in the Alien Property Custodian. Method and apparatus for the production of ceramic shaped bodies, especially clay tiles. 2,356,496; Aug. 22.
Avery, Cleveland C. (See Barry, J. P., and Avery.)
Ayars, Charles H., Salem, N. J. Can filling apparatus. 2,356,142; Aug. 22.
B. & R. Patents Limited. (See Birch, George C. R., assignor.)
Bähring, Herbert, Klein Machnow near Berlin, Germany; vested in the Alien Property Custodian. Transformer. 2,356,558; Aug. 22.
Bailey Meter Company. (See Gorrie, Harvard H., assignor.)
Baker, Thomas A., Logansport, Ind. Fluid regulating device. 2,356,143; Aug. 22.
Balassa, Ladislaus, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aluminum silicate pigments and preparing them. 2,356,297; Aug. 22.
Ball, Richard N. (See Van Dellen, E., and Ball.)
Balsley, James R., assignor to James R. Balsley, Incorporated, Stamford, Conn. Light control means. 2,356,195; Aug. 22.
Balsley, James R., Incorporated. (See Balsley, James R., assignor.)
Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Roller cage. 2,356,298; Aug. 22.
Banning, Helmuth, Duren, Germany; vested in the Alien Property Custodian. Apparatus for the continuous purification of suspensions or sludges, especially of fibrous pulps of the paper industry. 2,356,497; Aug. 22.
Bannon, John H. (See Gerlicher, R. A., and Bannon.)
Banschbach, Edward A., Madison, Wis. Vehicle arrestor. 2,356,559; Aug. 22.
Barbour, Andy, et al. (See Gray, R. D., and Denison, assignors.)
Bargeboer, Adolf, The Hague, Netherlands; vested in the Alien Property Custodian. Preserving foodstuffs. 2,356,498; Aug. 22.
Barnes, Malcolm H., C. J. Burch and W. G. Edwards, Kenmore, N. Y., assignors to The Linde Air Products Company. Blowpipe apparatus. 2,356,196; Aug. 22.
Barry, John P., Stratford, and C. C. Avery, Fairfield, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Guard. 2,356,198; Aug. 22.
Battermann, Ludwig A., Rocky Point, N. Y., assignor to Radio Corporation of America. Connection plug. 2,356,199; Aug. 22.
Baumgard, William H., assignor to Arrow Products Company, Carlstadt, N. J. Clamping device. 2,356,440; Aug. 22.
Baumgärtner, Wilhelm, Brunswick, Germany; vested in the Alien Property Custodian. Roll film camera. 2,356,560; Aug. 22.
Bayer, Anton. (See Waldschmidt, E., and Bayer.)
Bedard, Earl L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Selective fuel tank content indicator. 2,356,200; Aug. 22.
Beduneau, Emile F. L., Thomery, France; vested in the Alien Property Custodian. Semiautomatic machine intended for finishing the grooves of ball bearing rings. 2,356,499; Aug. 22.
Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency modulation signal receiving system. 2,356,201; Aug. 22.
Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Traveling grate for stokers. 2,356,144; Aug. 22.
Begun, Semi J., assignor to Magnetone Inc., Cleveland, Ohio. Magnetic sound recording and reproducing. 2,356,145; Aug. 22.
Behr-Manning Corporation. (See Amstuz, John O.)
Bell Telephone Laboratories, Incorporated. (See Campbell, Mark E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Clark, J. E., Domalesld, and Ronci, assignors.)
Bell Telephone Laboratories, Incorporated. (See Dunlap, K. S., and Lovell, assignors.)
Bell Telephone Laboratories, Incorporated. (See Graham, Robert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hampton, Leon N., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hubbard, Francis A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lundstrom, Alexis A., assignor.)
Bell Telephone Laboratories, Incorporated. (See McRae, James W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mesch, Orwar S. A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mott, Edward E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Potter, James A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stryker, Norman R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Zinn, Manvel K., assignor.)
Bell Punch Company Limited. (See Webb, Christopher F., assignor.)
Bendix Aviation Corporation. (See Laird, John A., assignor.)
Bendix Home Appliances, Inc. (See Bowen, Myron W., assignor.)
Benjamin, Walter E., assignor to Pierce Governor Company, Anderson, Ind. Governor spring structure. 2,356,202; Aug. 22.
Benkert, Hanns. (See Pfaff, Peter, and Benkert.)
Bennett, Elspeth, Syracuse, N. Y. Educational device for demonstrating nutritional food and food ingredient comparisons. 2,356,561; Aug. 22.
Berg, Herbert and H. Mader, Burghausen, Oberbayern, Germany; vested in the Alien Property Custodian. Preparation of synthetic resins. 2,356,562; Aug. 22.
Berman, Martin E., Franklin, Pa., assignor to Joy Manufacturing Company. Overload relay. 2,356,373; Aug. 22.
Bernat, Henri, Bordeaux, France; vested in the Alien Property Custodian. Process and product for overcoming the cryptogamic diseases of plants. 2,356,299; Aug. 22.
Bernstein, Max, et al. (See Casciani, Romildo, assignor.)
Bethelehem Steel Company. (See Epstein, Samuel, assignor.)

Bickley, Everett H., Bala-Cynwyd, Pa. Apparatus for producing third dimensional motion pictures. 2,356,441; Aug. 22.
Bingham, Arthur E., assignor to Dowty Equipment Limited, Cheltenham, England. Damping valve for resilient suspension devices. 2,356,563; Aug. 22.
Birch, George C. R., Raynes Park, assignor to B. & R. Patents Limited, London, England. Pressure gauge. 2,356,442; Aug. 22.
Birdsall, Edwin H., Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Sorting device. 2,356,203; Aug. 22.
Birdsall, Edwin H., Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Magnetic toggle overload release. 2,356,204; Aug. 22.
Bissinger, Harry G., Denville, N. J., assignor to Drew Associates, Inc., New York, N. Y. Making a composition for use in detergents. 2,356,443; Aug. 22.
Blair, Charles M., Jr., Webster Groves, and S. Lehmann, Jr., University City, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Increasing productivity of subterranean oil-bearing strata. 2,356,205; Aug. 22.
Blair, Charles M., Jr. (See Lehmann, S., Jr., and Blair.)
Blount, Arthur L., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Alkylation. 2,356,374; Aug. 22.
Boeing Aircraft Company. (See Allen, E. T., and Schairer, assignors.)
Boettcher, Arthur C., Chicago, Ill. Press attachment. 2,356,300; Aug. 22.
Boinot, Firmin C., Melle, France; vested in the Alien Property Custodian. Saccharifying cellulosic materials by means of diluted mineral acids. 2,356,500; Aug. 22.
Bolton, John W., & Sons, Inc. (See Schueler, Fred C., assignor.)
Bordeaux, Louis A. (See Chouinard, A. F., and Bordeaux.)
Borg-Warner Corporation. (See Delahan, E. H., and Frojd, assignors.)
Boucher, Frank G., Houston, Tex., assignor to Standard Oil Development Company. Temperature control circuit. 2,356,206; Aug. 22.
Bound, Rowland H., assignor to Dowty Equipment Limited, Cheltenham, England. Shock absorber. 2,356,444; Aug. 22.
Bowen, Myron W., Niles, Mich., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Solenoid. 2,356,377; Aug. 22.
Bowman, Kenneth K. (See Edwards, M. A., and Bowman.)
Brackney, Howard W. (See Atlee, Z. J., and Brackney.)
Branson, John C. S., Harborne, Birmingham, England. Memorandum appliance. 2,356,646; Aug. 22.
Brantingham, Paul T., Fort Wayne, Ind., assignor to International Harvester Company. Automotive vehicle. 2,356,375; Aug. 22.
Brase, George, Fresno, Calif. Apparatus for propelling and steering boats. 2,356,301; Aug. 22.
Braun, C. F., & Co. (See Haynes, Charles L., assignor.)
Bridwell, Chalon R., Detroit, Mich. Pumping mechanism. 2,356,207; Aug. 22.
Bridwell, Chalon R., Detroit, Mich. Pump anchor mechanism. 2,356,208; Aug. 22.
Brilhart, Arnold, Great Neck, N. Y., assignor to Arnold Brilhart Ltd. Adjustable cord. 2,356,209; Aug. 22.
Bristol Aeroplane Company Limited, The. (See Fedden, A. H. R., and Thomas, assignors.)
Brodberg, Fred E. (See Lee, R., and Brodberg.)
Brooker, Leslie G. S., and R. H. Sprague, assignors to Eastman Kodak Company, Rochester, N. Y. Cyanine dyes. 2,356,445; Aug. 22.
Brooks, Thomas E. (See Olson, C. A., Lisle, and Brooks.)
Brown & Bigelow. (See Trollen, Martin E., assignor.)
Brown, Cecil L., Baton Rouge, La., assignor to Standard Oil Development Company. Safety fuel. 2,356,647; Aug. 22.
Brown, George H., et al. (See Coffing, Fredrick W., assignor.)
Brown, Gladys R., et al. (See Coffing, Fredrick W., assignor.)
Brown, Maurice H., Jr., Anaconda, Mont. Track spike. 2,356,376; Aug. 22.
Brown, Robert O., and C. G. Harrel, assignors to Pillsbury Flour Mills Company, Minneapolis, Minn. Carrying agent for spice oils and preparing same. 2,356,501; Aug. 22.
Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Priming composition. 2,356,210; Aug. 22.
Brusset, Jean A., Blairmore, Alberta, Canada. Classifying process and apparatus. 2,356,648; Aug. 22.
Bucher, Thomas T. N., Narberth, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Toaster. 2,356,649; Aug. 22.
Bullock, Earle C., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Drawer construction. 2,356,650; Aug. 22.
Bunker, Herbert H., assignor to Kerlow Steel Flooring Company, Jersey City, N. J. Grating. 2,356,502; Aug. 22.
Burch, Charles J. (See Barnes, M. H., Burch, and Edwards.)

Burdett, Philip H., Bridgeport, and G. M. Calhoun, Fairfield, Conn., assignors to Remington Arms Company, Inc. Ammunition priming composition. 2,356,211; Aug. 22.
Burdett, Philip H., Bridgeport, W. S. Reynolds, Stratford, and J. R. Turner, Milford, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Measuring device. 2,356,212; Aug. 22.
Butler, Ernest L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Edge gauging mechanism. 2,356,213; Aug. 22.
Caldwell, Leslie M., Rockford, Ill. Equalizing sling. 2,356,146; Aug. 22.
Caldwell, Leslie M., Rockford, Ill. Self-equalizing sling. 2,356,147; Aug. 22.
Calhoun, Gordon M. (See Burdett, P. H., and Calhoun.)
Callsen, Albert, Stuttgart-Botnang, and A. Weiss, Marbach A. N., Germany; vested in the Alien Property Custodian. Starter device for internal-combustion engines. 2,356,503; Aug. 22.
Campbell, Mark E., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier circuit. 2,356,446; Aug. 22.
Capolupo, Vincent, Boston, Mass. Cutting device. 2,356,378; Aug. 22.
Carls, Darl F., Dearborn, and A. D. McDuffie, Berkeley, assignors to General Motors Corporation, Detroit, Mich. Engine blower control. 2,356,379; Aug. 22.
Casciani, Romildo, assignor of one-third to M. Bernstein, and one-third to J. Meltzer, New York, N. Y., and one-third to J. H. Funk, St. Louis, Mo. Formula for a composition of ceramic matter. 2,356,214; Aug. 22.
Celanese Corporation of America. (See Dreyfus, Henry, assignor.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Centa, John M. (See Potter, R. S., and Centa.)
Certain-Teed Products Corporation. (See Deuchler, Philip G., assignor.)
Chandler, George A., Muncie, Ind. Machine tool. 2,356,651; Aug. 22.
Chapman, Leonard. (See Janacek, C. F., and Chapman.)
Chapman, Thomas S., Houston, Tex., assignor to Standard Oil Development Company. Drilling fluid. 2,356,302; Aug. 22.
Chenault, Roy L., Oil City, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Oil well pump and the like. 2,356,504; Aug. 22.
Chiksan Tool Company. (See Phillips, Dwight M., assignor.)
Chollar, Robert G., assignor to The National Cash Register Company, Dayton, Ohio. Mold manufacture. 2,356,380; Aug. 22.
Chomette, André, Neuilly-sur-Seine, and R. Thiollet, Paris, France; vested in the Alien Property Custodian. Manufacturing products from rubber and products obtained through said method. 2,356,564; Aug. 22.
Chouinard, Alfred F., Chicago, and L. A. Bordeaux, Lincolnwood, assignors to National Cylinder Gas Company, Chicago, Ill. Torch cutting machine. 2,356,215; Aug. 22.
Christensen, Henry M., Copenhagen, Denmark; vested in the Alien Property Custodian. Sterilization of organic substances. 2,356,505; Aug. 22.
Christensen, Leo M., Miller, assignor of one-third to F. L. Robinson, Kearney, Nebr., and one-third to J. L. Ledbetter, Jr., Scarsdale, N. Y. Fermentation process for production of ethano. 2,356,218; Aug. 22.
Christensen, Leo M., Moscow, Idaho, assignor to National Agrol Company, Inc., New York, N. Y. Retarding the decomposition of unfermented matter during fermentation. 2,356,381; Aug. 22.
Christenson, Gust J., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler firebox. 2,356,216; Aug. 22.
Christenson, Gust J., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive front end. 2,356,217; Aug. 22.
Christiansen, Aage, Russhov, near Aarhus, Denmark; vested in the Alien Property Custodian. Purification of phosphatides. 2,356,382; Aug. 22.
Chwala, August, Vienna, Germany; vested in the Alien Property Custodian. Glucoeidic compounds and making them. 2,356,565; Aug. 22.
Cinch Manufacturing Corporation. (See Hannigan, Emmet E., assignor.)
Clark, James E., Williston Park, N. Y., J. V. Domalesld, Wood Ridge, N. J., and V. L. Ronci, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic discharge device. 2,356,566; Aug. 22.
Clarke, Charles G., Palms, assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Making composite pictures. 2,356,383; Aug. 22.
Clarke, Robert E. (See Gloss, C. H., and Clarke.)
Clausen, De Witt, assignor to Lucien I. Yeomans, Inc., Chicago, Ill. Spindle mounting. 2,356,506; Aug. 22.
Cline, Allen B., Rosemead, Calif. Denture repairing device. 2,356,447; Aug. 22.
Cline, Edwin L., Philadelphia, Pa., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Treatment of resin oils and resin product resulting therefrom. 2,356,384; Aug. 22.

Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,356,567; Aug. 22.

Coffing, Fredrick W., assignor of one-fourth to G. H. Brown and one-fourth to G. R. Brown, Danville, Ill. Bed cover support. 2,356,219; Aug. 22.

Colley, Luster E. (See Ogilvie, C. B., Nickell, and Colley.)

Commerce, Government of the United States as represented by the Secretary of. (See Geller, Roman F., assignor.)

Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic process for the treatment of hydrocarbon oils. 2,356,303; Aug. 22.

Connolly, William B., and G. E. Ford, assignors to Rochester Manufacturing Co., Inc., Rochester, N. Y. Liquid level gauge. 2,356,652; Aug. 22.

Cook, Judson A., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Bandoleer loading tool. 2,356,220; Aug. 22.

Cooley, Hal, Portland, Oreg. Photoprinting device. 2,356,385; Aug. 22.

Cornell, Paul W. (See Packle, J. W., Long, and Cornell.)

Couëlle, Jacques, Marseille, France; vested in the Alien Property Custodian. Structural member. 2,356,386; Aug. 22.

Courtaulds Limited. (See MacGregor, James H., assignor.)

Couturier, Alfred L., Orelans, France; vested in the Alien Property Custodian. Air tube for pneumatic tires. 2,356,508; Aug. 22.

Cox, Davis D., Fairfield, Ala., assignor to Tennessee Coal, Iron & Railroad Company. Hurdle washer. 2,356,653; Aug. 22.

Cox, John W., Berkeley, Calif., assignor to Radio Corporation of America. Electron switching for speed control circuits. 2,356,221; Aug. 22.

Coxe, Charles D., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Apparatus for making metallic shapes. 2,356,222; Aug. 22.

Cozzens, Charles O., and E. M. Splaine, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,356,148; Aug. 22.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Plate clamp for printing cylinders. 2,356,305; Aug. 22.

Cramer, Roy A., Kansas City, Mo. Posture chair. 2,356,507; Aug. 22.

Crompton, George, Jr., assignor to Norton Company, Worcester, Mass. Honing machine. 2,356,223; Aug. 22.

Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation tone keyer. 2,356,224; Aug. 22.

Crotty, James A., New York, N. Y., assignor to W. Sherman, South Norwalk, Conn. Hiking boot. 2,356,490; Aug. 22.

Crowell-Collier Publishing Company, The. (See Lundbye, Axel E., assignor.)

Crump, Albert V. (See Ackerman, E. L., and Crump.)

Cullman, Philipp A., Richmond Hill, N. Y. Catadioptric lens. 2,356,654; Aug. 22.

Cunnington, George R., Grosse Pointe Park, assignor to National Automotive Fibres, Inc., Detroit, Mich. Decorated fabric. 2,356,225; Aug. 22.

Da Costa, Harry, Ilford, assignor to The Plessey Company Limited, Ilford, Essex, England. Cartridge feed and firing mechanism. 2,356,304; Aug. 22.

Daggett, Bryon G., San Diego, Calif. Power saw setting apparatus. 2,356,448; Aug. 22.

Danielsson, Paul, Stockholm, Sweden, assignor to Arenco Aktiebolag. Machine for collecting fish. 2,356,655; Aug. 22.

Danneman, Fred C., New York, N. Y. Pin and bushing lock for die sets. 2,356,387; Aug. 22.

Datz, George J., East Rockaway, assignor to Pepsi-Cola Company, Long Island City, N. Y. Container and package. 2,356,656; Aug. 22.

Davis, Clyde O., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting explosive composition and method. 2,356,149; Aug. 22.

Davis, Frank P., Hialeah, Fla. Pump control mechanism. 2,356,306; Aug. 22.

Davis, Ralph B., Prestonsburg, Ky. Water heating apparatus. 2,356,657; Aug. 22.

Dayton Rubber Manufacturing Company, The. (See Kremer, E. H., and Kenney, assignors.)

Dean, Roy H., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Door handle assembly. 2,356,658; Aug. 22.

Dean, Russell T., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Plasticizers for rubber. 2,356,388; Aug. 22.

Decker, Josef B., and M. Eichschmidt, assignors to Triumph Explosives, Inc., Elkton, Md. Demolition grenade. 2,356,389; Aug. 22.

Defender Photo Supply Co. (See Hineline, B. C., and Knoepke, assignors.)

Defender Photo Supply Co. (See Potter, R. S., and Centa, assignors.)

De France, Henri, Lyon, France; vested in the Alien Property Custodian. Television method and system. 2,356,568; Aug. 22.

Delahan, Edward H., and A. G. Frojd, Rockford, assignors to Borg-Warner Corporation, Chicago, Ill. Seat facing machine. 2,356,226; Aug. 22.

Dell, Frank C., assignor to Autopoint Company, Chicago, Ill. Mechanical pencil and making same. 2,356,509; Aug. 22.

Denison, James R. (See Gray, R. D., and Denison.)

Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Heat treatment of gear teeth. 2,356,150; Aug. 22.

De Paiva Aguiar, Clovis, Juiz de Fora, Minas Geraes, Brazil. Nozzle for duodenal pump tubes. 2,356,659; Aug. 22.

Descourtis, Paul, Paris, France; vested in the Alien Property Custodian. Piston and cylinder system. 2,356,511; Aug. 22.

Deserno, Peter, Berlin, Germany; vested in the Alien Property Custodian. Arrangement for measuring frequency characteristics. 2,356,510; Aug. 22.

De Smet, Polydoor, and W. Mees, Mortsel, near Antwerp, Belgium; vested in the Alien Property Custodian. Intermediates for dyestuffs. 2,356,509; Aug. 22.

Detroit Steel Products Company. (See Reynaud, Samuel C., assignor.)

Detroit Stoker Company. (See Beers, Royce L., assignor.)

Deuchler, Philip G., Snyder, assignor to Certain-Teed Products Corporation, New York, N. Y. Covering element. 2,356,570; Aug. 22.

Deuel, Harry A., Jr., Huntington, Ind., and G. H. Krapf, Clairton, Pa. Method and apparatus for determining the average thickness of the entire width of coiled metallic strip material from rolling mill. 2,356,660; Aug. 22.

Dewoitine, Emile J. E., Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Machine for milling the flanges of airplane wing spars. 2,356,571; Aug. 22.

Diehl, Elias S., Bedford, Pa. Projectile. 2,356,227; Aug. 22.

Domaleski, Joseph V. (See Clark, J. E., Domaleski, and Ronci.)

Dornig, Mario, Milan, Italy; vested in the Alien Property Custodian. Elastic coupling device with rubber balls. 2,356,572; Aug. 22.

Downing, Frederick B., Penns Grove, N. J., and H. M. Fitch, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Lubricating oil. 2,356,661; Aug. 22.

Downingtown Manufacturing Company. (See Street, Edward T., assignor.)

Dowty Equipment Limited. (See Bingham, Arthur E., assignor.)

Dowty Equipment Limited. (See Bound, Rowland H., assignor.)

Draper Corporation. (See Tuten, James M., assignor.)

Drew Associates, Inc. (See Bissinger, Harry G., assignor.)

Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Production of cellulose esters. 2,356,228; Aug. 22.

Duennebier, Fred C. (See McNally, J. G., and Duennebier.)

Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,356,573; Aug. 22.

Dunlap, Kermit S., Richmond Hill, N. Y., and C. A. Lovell, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current generator. 2,356,229; Aug. 22.

Dunn, William C. (See Denneen, F. S., and Dunn.)

Du Pont, E. I., de Nemours & Company. (See Balassa, Ladislaus, assignor.)

Du Pont, E. I., de Nemours & Company. (See Davis, Clyde O., assignor.)

Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Fitch, assignors.)

Du Pont, E. I., de Nemours & Company. (See Iler, Ralph K., assignor.)

Du Pont, E. I., de Nemours & Company. (See Rodman, Ernest A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Rossander, S. S., Sparks, and Maynard, Jr., assignors.)

Du Pont, E. I., de Nemours & Company. (See Sloan, Clifford K., assignor.)

Du Pont, E. I., de Nemours & Company. (See Stamatoff, Gelu S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Wendler, Adolph F., assignor.)

Dyer, Rex H. (See Allshouse, H. A., and Dyer.)

Eastes, John W., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Polyphenylol alkane resins. 2,356,151; Aug. 22.

Eastman Kodak Company. (See Aex, P. S., and Guell, assignors.)

Eastman Kodak Company. (See Brooker, L. G. S., and Sprague, assignors.)

Eastman Kodak Company. (See Fuerst, Carl C., assignor.)

Eastman Kodak Company. (See Luboshez, Benjamin E., assignor.)

Eastman Kodak Company. (See McNally, J. G., and Duennebier, assignors.)

Eastman Kodak Company. (See Schinzel, Karl, assignor.)

Eastman Kodak Company. (See Staud, C. J., and Popper, assignors.)

Eastman Kodak Company. (See Swan, Donald R., assignor.)

Eastman Kodak Company. (See Weissberger, A., and Vittum, assignors.)

Edwards, Martin A., and K. K. Bowman, Scotia, N. Y., assignors to General Electric Company. Turret control system. 2,365,152; Aug. 22.

Edwards, William G. (See Barnes, M. H., Burch, and Edwards.)

Eichschmidt, Max. (See Decker, J. B., and Eichschmidt.)

Elderfield, Robert C., Hastings on Hudson, N. Y., and M. Rubin, Baltimore, Md., assignors to Eli Lilly and Company, Indianapolis, Ind. β-substituted-Δ$^{\alpha,\beta}$-γ-butyrolactones and preparing them. 2,356,153; Aug. 22.

Electric Household Utilities Corporation. (See Gerhardt, Andrew H., assignor.)

Electric Household Utilities Corporation. (See Rocke, Floyd L., assignor.)

Encor Corporation. (See Strecker, Charles E., assignor.)

Endres, Rudolf. (See Hentrich, Winfrid, and Endres.)

Endsley, Louis E., Pittsburgh, Pa., assignor to The Frost Railway Supply Co., Detroit, Mich. Apparatus for forming coils. 2,356,662; Aug. 22.

Engel, Karl H., West Englewood, and H. L. Stasse, Hawthorne, N. J., assignors, by mesne assignments, to Allied Chemical & Dye Corporation. Purification of phthalic anhydride. 2,356,449; Aug. 22.

Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine attachment. 2,356,663; Aug. 22.

Epstein, Samuel, Bethlehem, Pa., assignor to Bethlehem Steel Company. Steel. 2,356,450; Aug. 22.

Erie Resistor Corporation. (See Trimbach, Clem G., assignor.)

Evans, Morris S., Buffalo, N. Y., and E. C. Stolberg, Glen Ridge, N. J., assignors to American Car and Foundry Company, New York, N. Y. 2,356,451; Aug. 22.

Farnsworth Television and Radio Corporation. (See Weaver, Jerald D., assignor.)

Fedden, Alfred H. R., Bristol, England, and F. M. Thomas, North Adams, Mass., assignors to The Bristol Aeroplane Company Limited, Bristol, England. Internal-combustion engine installation. 2,356,452; Aug. 22.

Fereday, Frederick T., Louisville, Ky., assignor to The Union Switch and Signal Company, Swissvale, Pa. Control apparatus for highway crossing signals. 2,356,453; Aug. 22.

Ferguson, Henry G., Belfast, Northern Ireland. Tractor for agricultural implements. 2,356,231; Aug. 22.

Ferguson, William B., Brenham, Tex. Method and apparatus for fluorography. 2,356,454; Aug. 22.

Fernholz, Erhard, deceased; by M. B. Fernholz, Princeton, N. J., administratrix, assignor to E. R. Squibb & Sons, New York, N. Y. Cyclic ketals of 3-keto-17-oxycythrenes, and preparing 3-keto-17-oxy-cythrenes. 2,356,154; Aug. 22.

Fernholz, Mary B., administratrix. (See Fernholz, Erhard, assignor.)

Fibre Can Machinery Corporation. (See Hatch, Alexander G., assignor.)

Finch, James L., East Rockaway, N. Y., assignor to Radio Corporation of America. Wave length modulation system. 2,356,390; Aug. 22.

Fisher, J. J., Co. (See Larsen, Holger R., assignor.)

Fitch, Howard M. (See Downing, F. B., and Fitch.)

Fitzpatrick, Jeremiah J., Oklahoma City, Okla. Packing device. 2,356,232; Aug. 22.

Fluor Corporation, Ltd., The. (See Fluor, John S., Jr., assignor.)

Fluor Corporation, Ltd., The. (See Fluor, Peter E., assignor.)

Fluor Corporation, Ltd., The. (See Hutchinson, Arthur J. L., assignor.)

Fluor, John S., Jr., Anaheim, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Ventilation system for boats. 2,356,391; Aug. 22.

Fluor, Peter E., Santa Ana, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Ventilation and exhaust pipe cooling in boats. 2,356,392; Aug. 22.

Fogle, Clayton G., Williamsport, Pa. Airplane tank. 2,356,155; Aug. 22.

Földi, Zoltán. (See König, R., Gerecs, and Földi.)

Forbes, Joseph A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,356,233; Aug. 22.

Forbes, Joseph A., Detroit, assignor to J. Sneed, Royal Oak, Mich. Brake. 2,356,234; Aug. 22.

Ford, George E. (See Connolly, W. B., and Ford.)

Fortis, Oscar, assignor to J. W. Hearst, Chicago, Ill. Hydrocarbon fuel burner nozzle construction. 2,346,307; Aug. 22.

Foster Wheeler Corporation. (See Yingling, Carl S., assignor.)

Franz, Ehrhart, Leipzig, Germany; vested in the Alien Property Custodian. Making yarn. 2,356,574; Aug. 22.

Frasch, Jean, Clichy, France; vested in the Alien Property Custodian. Cathodic treatment of metals. 2,356,575; Aug. 22.

Fredendall, Gordon L., Westmont, N. J., assignor to Radio Corporation of America. Wide band amplifier. 2,356,308; Aug. 22.

Free, Gerhard, W. v. Fuener, Ludwigshafen-on-the-Rhine, and O. Goehre, Heidelberg, Germany; vested in the Alien Property Custodian. Catalytic cracking of hydrocarbon oils. 2,356,576; Aug. 22.

Frickey, Royal E., San Francisco, Calif. Preheater. 2,356,393; Aug. 22.

Frojd, Albin G. (See Delahan, E. H., and Frojd.)

Frost Railway Supply Co., The. (See Endsley, Louis E., assignor.)

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 2,356,455; Aug. 22.

Fulcher, James N., Vernon, Tex. Air cooler and purifier. 2,356,235; Aug. 22.

Funk, Julius H., et al. (See Casciani, Romildo, assignor.)

Fuscaldo, Ottavio, Milan, Italy; vested in the Alien Property Custodian. Electro-magnetic control for injectors or internal-combustion engines. 2,356,577; Aug. 22.

Gagne, Antoine F., Jr., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gauging device. 2,356,236; Aug. 22.

Gaither, Gant, Hopkinsville, Ky. Manufacture of alumina (metallurgical grade) from highly silicious aluminous ores. 2,356,157; Aug. 22.

Gaitney, James P., Birmingham, Ala. Axle and bearing cooler. 2,356,578; Aug. 22.

Garbe, Gustav W., Chicago, Ill. Construction unit. 2,356,309; Aug. 22.

Gardner, George F., Alplaus, N. Y., assignor to General Electric Company. Zero return for galvanometers. 2,356,579; Aug. 22.

Garner, Walter, Menston in Wharfedale, assignor of one-half to Lister and Company, Limited, Bradford, Yorkshire, England. Shock-absorbing or cushioning material made from fibrous substances. 2,356,456; Aug. 22.

Garside, John L., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding machine. 2,356,394; Aug. 22.

Gass, Harold, New York, N. Y. Clutch diaphragm spring. 2,356,310; Aug. 22.

Geier, James, Troy, N. Y. Spirit level device. 2,356,311; Aug. 22.

Gelatin Products Corporation. (See Scherer, Robert P., assignor.)

Geller, Roman F., Chevy Chase, Md., assignor to the Government of the United States as represented by the Secretary of the Department of Commerce. Heating unit. 2,356,237; Aug. 22.

General Electric Company. (See Allen, Wayne H., assignor.)

General Electric Company. (See Cockrell, William D., assignor.)

General Electric Company. (See Dunham, George W., assignor.)

General Electric Company. (See Edwards, M. A., and Bowman, assignors.)

General Electric Company. (See Gardner, George F., assignor.)

General Electric Company. (See Hessenberg, Karl, assignor.)

General Electric Company. (See MacCarthy, Charles F., assignor.)

General Electric Company. (See O'Bryan, Lorin, assignor.)

General Electric Company. (See Rich, Theodore A., assignor.)

General Electric Company. (See Stratton, Jerry L., assignor.)

General Electric Company. (See Thomas, R. N., and Maslin, assignors.)

General Electric Corporation. (See Pierson, Leslie C., assignor.)

General Electric X-Ray Corporation. (See Atlee, Z. J., and Brackney, assignors.)

General Motors Corporation. (See Caris, D. F., and McDuffie, assignors.)

General Motors Corporation. (See Roedding, Gordon E., assignor.)

General Register Corporation. (See Helsel, Reuben H., assignor.)

Gerecs, Árpád. (See König, Gerecs, and Földi.)

Gerhardt, Andrew H., Skokie, assignor to Electric Household Utilities Corporation, Chicago, Ill. Agitator construction. 2,356,312; Aug. 22.

Gerlicher, Robert A., Cranford, and J. H. Bannon, Union, N. J., assignors to Standard Oil Development Company. Low temperature grease. 2,356,313; Aug. 22.

Gieffers, Friedrich, Berlin-Spandau, Germany; vested in the Alien Property Custodian. Variable resistor. 2,356,512; Aug. 22.

Gill, James C., et al. (See Sigler, Laurence M., assignor.)

Gill, Kathryn B., et al. (See Sigler, Lawrence M., assignor.)

Gillett, Thomas R., Crockett, P. F. Meads, Richmond, and A. L. Holven, Crockett, Calif. Photoelectric apparatus for measuring color and turbidity. 2,356,238; Aug. 22.

Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)

Gillette Safety Razor Company. (See Young, Louis H., assignor.)

Giuliana, Vincent, Springfield, Mass. Sterilizer. 2,356,239; Aug. 22.

Gloss, Gunter H., Belmont, and R. E. Clarke, Palo Alto, assignors to Marine Magnesium Products Corporation, San Francisco, Calif. Manufacture of magnesium products. 2,356,395; Aug. 22.

Goehre, Otto. (See Free, G., v. Fuener, and Goehre.)

Gohr, Edwin J. (See Marancik, J. V., and Gohr.)

Golber, Hyman E., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Bed motion mechanism. 2,356,156; Aug. 22.

Gonda, John H., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Manufacture of rectangular restricted opening sheet metal receptacles. 2,356,457; Aug. 22.

Gonon, Pul J. J., Paris, France; vested in the Alien Property Custodian. Increasing the retention capacity of the sealing surface of artificial procelain teeth. 2,356,513; Aug. 22.

Gonseor, Frank, Redding, Calif. Signal device. 2,356,396; Aug. 22.

Goodrich, B. F., Company, The. (See Jones, P. C., and Mathes, assignors.)

Goodrich, B. F., Company, The. (See Küng, Frederick E., assignor.)

Goodrich, B. F., Company, The. (See Mathes, R. A., and Jones, assignors.)

Goodrich, B. F., Company, The. (See Mathes, Roger A., assignor.)

Goodrich, B. F., Company, The. (See Rehner, John, Jr., assignor.)

Görisch, Rolf, Dresden, Germany; vested in the Alien Property Custodian. Producing sound records on film. 2,356,664; Aug. 22.

Gorrie, Harvard H., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,356,580; Aug. 22.

Goss Printing Press Company, The. (See Crafts, Curtis S., assignor.)

Grabau, William C., Brighton, assignor to Submarine Signal Company, Boston, Mass. Frequency and voltage regulator. 2,356,397; Aug. 22.

Graham, Robert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical switching. 2,356,514; Aug. 22.

Grandel, Felix, Emmerich-on-the-Rhine, Germany; vested in the Alien Property Custodian. Preparing tentone acids and their salts. 2,356,581; Aug. 22.

Gray, Reo D., and J. R. Denison, assignors of one-fourth to C. W. West and one-fourth to A. Barbour, Portland, Oreg. Scaling tool. 2,356,314; Aug. 22.

Guardian Merchandising Corporation. (See Monnet, Georges, assignor.)

Guareschi, Pietro, Genoa, Italy; vested in the Alien Property Custodian. Producing manganese in metal state and pure manganese dioxide, if desired, from manganese ores. 2,356,515; Aug. 22.

Gudger, Morris S., assignor to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 2,356,315; Aug. 22.

Guell, Charles H. (See Aex, P. S., and Guell.)

Gulf Research & Development Company. (See Chenault, Roy L., assignor.)

Gunther, Hermann, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Article attaching machine. 2,356,665; Aug. 22.

Haegele, Frederick G. A. (See Kolbert, J. W., and Haegele.).

Haffner, Felix, Tubingen, and F. Sommer, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Stimulants suitable for combating symptoms of fatigue and their production. 2,356,582; Aug. 22.

Hagedorn, Max, Dessau, Germany; vested in the Alien Property Custodian. Manufacture of hydrophilic polymerization products of the superpolyamide type. 2,356,516; Aug. 22.

Hagemann, John R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine support. 2,356,721; Aug. 22.

Hale, John D., assignor to Harnischfeger Corporation, Milwaukee, Wis. Hydraulic control system for excavating cranes. 2,356,517; Aug. 22.

Hall, Charles T., assignor to Molins Machine Company, Limited, Deptford, London, England. Apparatus for charging cartridge belts. 2,356,158; Aug. 22.

Hamilton, Merrill V., Gary, Ind. Coating device. 2,356,666; Aug. 22.

Hamlin, Marston L., Lynbrook, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of cyclohexane. 2,356,240; Aug. 22.

Hampton, Leon N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparing soldering coppers. 2,356,583; Aug. 22.

Hannigan, Emmet E., La Grange, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electrical socket and contact for the same. 2,356,398; Aug. 22.

Hanovia Chemical and Manufacturing Company, The. (See Kolbert, J. W., and Haegele, assignors.)

Hansen, Clarence L., assignor to Tri-Pac Gun Kit, Inc., San Francisco, Calif. Labeled container. 2,356,399; Aug. 22.

Hanson, Abraham G., Monrovia, Calif. Bolt-holding attachment for pliers. 2,356,400; Aug. 22.

Harbert, Carl J., Shaker Heights, and R. F. Morrison, assignors to The Harshaw Chemical Company, Elyria, Ohio. Glass enamel composition. 2,356,316; Aug. 22.

Harbert, Carl J., Shaker Heights, and R. F. Morrison, assignors to The Harshaw Chemical Company, Elyria, Ohio. Glass enamel composition. 2,356,317; Aug. 22.

Harding, Clarke T. (See Rupp, W. H., and Harding.)

Harnischfeger Corporation. (See Hale, John D., assignor.)

Harrel, Chastain G. (See Brown, R. O., and Harrel.)

Harrington & Richardson Arms Company. (See Janacek, C. F., and Chapman, assignors.)

Harrington & Richardson Arms Company. (See Smith, John R., assignor.)

Harris, Carl C., assignor to Rivet-O Manufacturing Co., Orange, Mass. Hand-supported liquid dispensing pad. 2,356,722; Aug. 22.

Harshaw Chemical Company, The. (See Harbert, C. J., and Morrison, assignors.)

Harvey, Leo M. (See Morrison, Jess S., assignor.)

Hatch, Alexander G., assignor to Fibre Can Machinery Corporation, Ruthland, Vt. Motor oil container. 2,356,401; Aug. 22.

Hayman, Richard L., North Hollywood, Calif. Conduit support. 2,356,318; Aug. 22.

Haynes, Charles L., assignor to C. F. Braun & Co., Alhambra, Calif. Tube cutoff tool. 2,356,402; Aug. 22.

Hearst, Jack W. (See Fortis, Oscar, assignor.)

Heberlein, Georges, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Production of wool-like rayon. 2,356,518; Aug. 22.

Heberlein Patent Corporation. (See Heberlein, Georges, assignor.)

Heidman, William A., and W. A., Jr., Grand Rapids, Mich. Locking device. 2,356,403; Aug. 22.

Heidman, William A., Jr. (See Heidman, W. A., and W. A., Jr.)

Heil, Rudolf, Berlin-Dahlem, Germany; vested in the Alien Property Custodian. Recording spindle. 2,356,584; Aug. 22.

Heller, László, Budapest, Hungary; vested in the Alien Property Custodian. Condensing spent steam. 2,356,404; Aug. 22.

Heisel, Reuben H., Long Island City, assignor to General Register Corporation, New York, N. Y. Ticket issuing machine. 2,356,667; Aug. 22.

Hempel, Emil, Zerbst in Anhalt, Germany; vested in the Alien Property Custodian. Injection mold. 2,356,585; Aug. 22.

Hentrich, Winfrid, and R. Endres, Dessau-Rosslau, Germany; vested in the Alien Property Custodian. Thiodiglycol ester plasticized polyvinyl chloride. 2,356,586; Aug. 22.

Hentrich, Winfrid, Dusseldorf-Reisholz, W. Kaiser, Dessau in anhalt, and W. Reuss, deceased, Dusseldorf-Benrath, by C.-H. Winkler, administrator, Dusseldorf, Germany; vested in the Alien Property Custodian. Quaternary ammonium compounds. 2,356,587; Aug. 22.

Hercules Powder Company. (See Miller, Abraham B., assignor.)

Hermes, Karl, Mainz, Germany; vested in the Alien Property Custodian. Softening feed water for boilers. 2,356,405; Aug. 22.

Herrmann, Heinrich, Nurnberg, Germany; vested in the Alien Property Custodian. Dry rectifier device. 2,356,588; Aug. 22.

Hessenberg, Karl, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electric valve circuits. 2,356,589; Aug. 22.

Hesslein, Milton B., Montgomery, Ala., and A. T. Anderson, Dover, N. J. Machining explosive and apparatus therefor. 2,356,159; Aug. 22.

Hey, Henry W. (See Ingres, J. G., and Hey.)

Hill, Arthur D., Jr. (See Van Campen, H., and Hill., Jr.)

Hill, E. Govan, et al. (See Ingres, J. G., and Hey, assignors.)

Hill, Maxwell H., Rochester, N. Y. Method and apparatus for applying cap removers to bottles or like containers. 2,356,319; Aug. 22.

Hineline, Burton C., Rochester, and F. Knoepke, New York, assignors to Defender Photo Supply Co., Inc., Rochester, N. Y. Photographic filter holder. 2,356,668; Aug. 22.

Hislop, William A., Richmond, Calif. Tile cutting machine. 2,356,406; Aug. 22.

Hoe, R., & Co. (See Gudger, Morris S., assignor.)

Hoe, R., & Co. (See Horton, Albert J., assignor.)

Hofgesang, William, Avenel, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Darning device for use with sewing machines. 2,356,723; Aug. 22.

Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft stop motion for narrow ware looms. 2,356,458; Aug. 22.

Holmgren, Eric A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Prewelt lasting machine. 2,356,241; Aug. 22.

Holven, Alfred L. (See Gillett, T. R., Meads, and Holven.)

Hook, Charles H., Pittsburgh, Pa. Reversible tap holder. 2,356,669; Aug. 22.

Hooker Electrochemical Company. (See Maude, A. H., and Rosenberg, assignors.)

Hooker Electrochemical Company. (See Osborne, S. G., and Maude, assignors.)

Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing machine drive. 2,356,160; Aug. 22.

Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)

House, Herbert E., Kansas City, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gauging apparatus. 2,356,242; Aug. 22.

House, Zachariah E., Cass Lake, Minn. Watch key winder. 2,356,670; Aug. 22.

Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,356,519; Aug. 22.

Huber, Matthew W., Chicago, Ill., assignor, by mesne assignments, to The New York Air Brake Company. Feeding device for pumps. 2,356,243; Aug. 22.

Hughes, Grover A., assignor of one-third to R. W. Hughes, and one-third to R. G. Hughes, Seattle, Wash. Arc-welding equipment. 2,356,320; Aug. 22.

Hughes, Robert W., et al. (See Hughes, Grover A., assignor.)

Hughes, Roger G., et al. (See Hughes, Grover A., assignor.)

Humphrey, Stephen P., Max Meadows, Va. Die for forging the cutting faces of rock drill bits. 2,356,520; Aug. 22.

Hutchinson, Arthur J. L., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. System for forming and storing hydrocarbon hydrates. 2,356,407; Aug. 22.

Hydraulic Machinery, Inc. (See Wise, Harry L., assignor.)

Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and products. 2,356,161; Aug. 22.

Imbert, Roger. (See Anxionnaz, René, and Imbert.)

Ingres, Jeannot G., Detroit, Mich., and H. W. Hey, assignors to E. Govan Hill and G. T. Smith, Richmond, Va., trustees. Airplane pickup mechanism. 2,356,671; Aug. 22.

International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)

International Harvester Company. (See Brantingham, Paul T., assignor.)

International Harvester Company. (See Millard, L. P., and Pool, assignors.)

International Standard Electric Corporation. (See Martin, Robert E., assignor.)

Irick, William A., Lexington, Ky. Chest bed. 2,356,321; Aug. 22.

Ivy, Jessie T., Seattle, Wash. Snips. 2,356,672; Aug. 22.

Jacobaen, Jörgen H., Hellerup, Denmark; vested in the Alien Property Custodian. Electromotor-driven mechanical stoker. 2,356,590; Aug. 22.

Jacobsson, Wilgot J. (See Jones, H. W., and Jacobsson.)

Janacek, Charles F., Philadelphia, Pa., and L. Chapman, assignors to Harrington & Richardson Arms Company, Worcester, Mass. Lock washer construction. 2,356,673; Aug. 22.

Jasco, Incorporated. (See Sparks, W. J., and Thomas, assignors.)

Jasco, Incorporated. (See Thomas, R. M., and Sparks, assignors.)

Jasco, Incorporated. (See Wright, Donald L., assignor.)

Jesionowski, John, Hartford, Conn. Work holder. 2,356,591; Aug. 22.

Johnson, C. S., Company, The. (See Lichtenberg, Eric H., assignor.)

Johnson, Clarence P., Auburndale, Mass. Sheet pressing machine. 2,356,244; Aug. 22.

Johnson, James P., Shaker Heights, Ohio. Coupling. 2,356,322; Aug. 22.

Johnson, Johan H., New York, N. Y., and C. M. Palmer, Washington, D. C. Cowl fastener. 2,356,162; Aug. 22.

Johnston, James L., Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Centrifugal chuck. 2,356,245; Aug. 22.

Jones, Homer W., Westfield, and W. J. Jacobsson, Plainfield, N. J., assignors to the Linde Air Products Company. Blowpipe device. 2,356,197; Aug. 22.

Jones, Lloyd B., Hollidaysburg, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Cushioning device for car truck center bearings. 2,356,246; Aug. 22.

Jones, Paul C., and R. A. Mathes, Akron, Ohio., assignors to The B. F. Goodrich Company, New York, N. Y. Vulcanization of rubber. 2,356,163; Aug. 22.

Jones, Paul C. (See Mathes, R. A., and Jones.)

Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shiftable cowl fastener and installation thereof. 2,356,412; Aug. 22.

Joy Manufacturing Company. (See Berman, Martin E., assignor.)

Joy Manufacturing Company. (See Russell, John D., assignor.)

Kaiser, Wilhelm. (See Hentrich, Winfrid, Kaiser, and Reuss.)

Kardos, Andrew, Paterson, N. J. Device to prevent clogging of screens. 2,356,323; Aug. 22.

Karpfen, Paula. (See Weiss, Gerhart, assignor.)

Kavanagh, Frank W. (See Neely, G. A., and Kavanagh.)

Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Steering wheel drive for vehicles. 2,356,164; Aug. 22.

Kelley, Maurice J., Philadelphia, Pa., assignor to National Oil Products Company, Harrison, N. J. Hard wax substitute. 2,356,408; Aug. 22.

Kellogg, M. W., Company, The. (See Ruthruff, Robert F., assignor.)

Kelsey-Hayes Wheel Company. (See Forbes, Joseph A., assignor.)

Kendle, John J., Buckley, and E. W. Young, Copalis Crossing, Wash. Splitting mechanism. 2,356,324; Aug. 22.

Kenney, Harry W. (See Kremer, E. H., and Kenney.)

Kentner, Carroll D., Medford Lakes, N. J., assignor to Radio Corporation of America. High frequency apparatus. 2,356,230; Aug. 22.

Kerlow Steel Flooring Company. (See Bunker, Herbert H., assignor.)

Keusder, Walter W., Los Angeles, Calif. Window construction. 2,356,409; Aug. 22.

Kimmel, George P., Brookeville, Md. Flying cannon. 2,356,674; Aug. 22.

King, Delbert J., Los Angeles, Calif. Finishing tool. 2,356,165; Aug. 22.

Kirk, Philip M., Stamford, and P. P. McClellan, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Producing unsaturated derivatives of alpha-hydroxyisobutyric acid esters. 2,356,247; Aug. 22.

Knapp-Monarch Company. (See Kochner, William B., assignor.)

Knauer, Berthold. (See Rouan, F. J., and Knauer.)

Knierim, Carl A. (See Shepard, H. M., and Knierim.)

Knoepke, Fred. (See Hineline, B. C., and Knoepke.)

Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo., Switch structure. 2,356,521; Aug. 22.

Kodal, Gustav. (See Koeppe, W., and Kodal.)

Koeppe, Walter, Berlin-Spandau, and G. Kodal, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian. Liquid operated electric control device. 2,356,593; Aug. 22.

Kolbert, John W. and F. G. A. Haegele, Clippenham, Slough, England, assignors to The Hanovia Chemical and Manufacturing Company, Newark, N. J. Apparatus for producing ultra-violet radiation. 2,356,592; Aug. 22.

Kollmorgen, Ernst O., Mountain Lakes, N. J. Machine for beveling the edges of lenses. 2,356,488; Aug. 22.

König, Rezsö, Árpád Gereca, and Z. Földi, Budapest, Hungary; vested in the Alien Property Custodian. Preparation of vitamin B, and of similarly built compounds. 2,356,594; Aug. 22.

Koren, Heiman W., Bronx, assignor to Sonotone Corporation, Elmsford, N. Y. Oscillator arrangement. 2,356,248; Aug. 22.

Koucký, Josef, Prag-Xix, Bohemia; vested in the Alien Property Custodian. Breech device for firearms. 2,356,595; Aug. 22.

Krämli, Andreas, and L. Vargha, Budapest, Hungary; vested in the Alien Property Custodian. Electrolytic production of unsaturated ketols. 2,356,596; Aug. 22.

Krapf, George H. (See Deuel, H. A., Jr., and Krapf.)

Kremer, Edward H., and H. W. Kenney, assignors to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Making belts. 2,356,249; Aug. 22.

Kronenberger, Adam, Berlin, Germany; vested in the Alien Property Custodian. Rudder machine for automatic pilots. 2,356,597; Aug. 22.

Krugler, Allen D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Controlled cycle relief valve. 2,356,410; Aug. 22.

Kummich, Theodor, Stuttgart, Germany; vested in the Alien Property Custodian. Change-speed gear. 2,356,522; Aug. 22.

Küng, Frederick E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of beta lactones. 2,356,459; Aug. 22.

Kuntz, Harry A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Plastic washing apparatus. 2,356,411; Aug. 22.

Lachman, Sarah S., New York, N. Y., assignor to Transport Steel Products, Inc., Jersey City, N. J. Expanded metal structural member. 2,356,675; Aug. 22.

Laird, John A., Birmingham, England, assignor to Bendix Aviation Corporation, New York, N. Y. Electric ignition system and apparatus. 2,356,676; Aug. 22.

Land, Edwin H., Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Adhesive. 2,356,250; Aug. 22.

Land, Edwin H., Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Manufacturing light-polarizing material. 2,356,251; Aug. 22.

Land, Edwin H., Boston, Mass, assignor to Polaroid Corporation, Dover, Del. Shatterproof lamination and method of manufacture. 2,356,252; Aug. 22.

Landgraf, Otto, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian. Process and apparatus for comminuting liquid substances. 2,356,599; Aug. 22.

Landis Machine Company. (See Wolf, Eugene G., assignor.)

Lang, Richard, Ravensburg, and K. Maybach, Friedrichshafen, Germany; vested in the Alien Property Custodian. Operating mechanism for clutches. 2,356,598; Aug. 22.

Larsen, Holger R., assignor to J. J. Fisher Co. Inc., Brooklyn, N. Y. Ventilator. 2,356,325; Aug. 22.

Laurenson, Robert M., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded track circuit system of railway signaling. 2,356,460; Aug. 22.

Lear Avia, Inc. (See Lear, William P., assignor.)

Lear, William P., assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio. Electric motor control unit. 2,356,253; Aug. 22.

Lebus, William A., assignor to Protectoseal Company of America, Inc., Chicago, Ill. Gasoline tank fitting. 2,356,326; Aug. 22.

Lebus, William A., assignor to Protectoseal Company of America, Inc., Chicago, Ill. Self-venting tank valve. 2,356,327; Aug. 22.

Ledbetter, John L., Jr., et al. (See Christensen, Leo M., assignor.)

Lee Engineering Research Corporation. (See Lee, R., and Broberg, assignors.)

Lee, Royal, Milwaukee, and F. E. Broberg, Racine, assignors to Lee Engineering Research Corporation, Milwaukee, Wis. Protective electrical contacts. 2,356,166; Aug. 22.

Lehmann, Sears, Jr., University City, and C. M. Blair, Jr., Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Preventing and/or removing accumulation of solid matter in oil wells, pipelines, and flow lines. 2,356,254; Aug. 22.

Lehmann, Sears, Jr. (See Blair, C. M., Jr., and Lehmann, Jr.)

Leighton, John W., Port Huron, Mich. Shell clip. 2,356,413; Aug. 22.

Lentz, Anton, Heidelberg, Germany; vested in the Alien Property Custodian. Pusher mechanism for tractors. 2,356,600; Aug. 22.

Lepis, John, Astoria, N. Y. Rotary steam engine. 2,356,461; Aug. 22.

Libbey-Owens-Ford Glass Company. (See Kuntz, Harry A., assignor.)

Libbey-Owens-Ford Glass Company. (See Roesch, G. R., and White, assignors.)

Libbey-Owens-Ford Glass Company. (See Wampler, Roy W., assignor.)

Lichtenberg, Eric H., Milwaukee, Wis., assignor to The C. S. Johnson Company, Champaign, Ill. Clamshell bucket. 2,356,255; Aug. 22.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Brake hanger. 2,356,724; Aug. 22.

Lilly, Eli, and Company. (See Elderfield, R. C., and Rubin, assignors.)

Linde Air Products Company, The. (See Barnes, M. H., Burch, and Edwards, assignors.)

Linde Air Products Company, The. (See Jones, H. W., and Jacobsson, assignors.)

Linder, Ernest G., Philadelphia, Pa., assignor to Radio Corporation of America. Tunable resonant cavity device. 2,356,414; Aug. 22.

Lindgren, Ellis, Geneva, Ill. Insulation cutting device. 2,356,328; Aug. 22.

Linney, Robert J., Port Henry, N. Y. Magnetic separator. 2,356,463; Aug. 22.

Lipsky, Jean, Uzerche, France; vested in the Alien Property Custodian. Canal lock for dry docks and other basins. 2,356,523; Aug. 22.

Lisle, Charles V. (See Olson, C. A., Lisle, and Brooks.)

Lisle Corporation. (See Olson, C. A., Lisle, and Brooks, assignors.)

Lister and Company, Limited. (See Garner, Walter, assignor.)

Locomotive Firebox Company. (See Christenson, Gust J., assignor.)

Locomotive Firebox Company. (See Nelson, Arthur W., assignor.)

Lohse, Julius, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Directly producing pig iron and steel. 2,356,524; Aug. 22.

Long, John D. (See Packie, J. W., Long, and Cornell.)

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Firearm. 2,356,256; Aug. 22.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 2,356,491; Aug. 22.

Lovell, Clarence A. (See Dunlap, K. S., and Lovell.)

Lowe, Joe, Corporation. (See Rubens, Joseph G., assignor.)

Lowe, Kenneth J., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 2,356,257; Aug. 22.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Photoelectric exposure control. 2,356,464; Aug. 22.

Lundbye, Axel E., assignor to Crowell-Collier Publishing Company, Springfield, Ohio. Separation and reclamation of copper from printing plates and the like. 2,356,329; Aug. 22.

Lundstrom, Alexis A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,356,330; Aug. 22.

Lynch Manufacturing Corporation. (See Sandberg, Oscar, assignor.)

Mabley, Clarence W., Chicago, Ill. Soap leaf. 2,356,168; Aug. 22.

MacCarthy, Charles F., Medford, Mass., assignor to General Electric Company. Adapter for discharge lamps. 2,356,601; Aug. 22.

MacGregor, James H., Braintree, assignor to Courtaulds Limited, London, England. Treatment of cellulosic textile materials. 2,356,677; Aug. 22.

Mader, Herbert. (See Berg, H., and Mader.)

Madsen, Paul S., Bethany, assignor to The Seamless Rubber Company, New Haven, Conn. Water bag. 2,356,602; Aug. 22.

Magic Duplex Sign Company, The. (See Walbridge, Alvin E., assignor.)

Magnetone Inc. (See Begun, Semi J., assignor.)

Majors, John, Muskegon, Mich. Mandrel. 2,356,678; Aug. 22.

Mallory, Marion, Detroit, Mich. Engine governor. 2,356,679; Aug. 22.

Malmer, Thure L., Smedslatten, Sweden. Marking device for recording cards. 2,356,332; Aug. 22.

Maness, Lucien, Chevy Chase, Md., assignor to Theo. Alteneder & Sons, Philadelphia, Pa. Plotting instrument. 2,356,525; Aug. 22.

Manson, Frank G., Chicago, Ill., and J. J. Maskey, Dayton, Ohio. Controlled parachute canopy. 2,356,169; Aug. 22.

Marancik, Joseph V., Roselle, and E. J. Gohr, Summit, N. J., assignors to Standard Oil Development Company. Catalytic reactions. 2,356,680; Aug. 22.

Marchbanks, Duke, San Francisco, Calif. Apparatus for precasting concrete piles. 2,356,603; Aug. 22.

Marine, H. S. P., Inc. (See Perrsson, Henry, assignor.)

Marine Magnesium Products Corporation. (See Gloss, G. H., and Clarke, assignors.)

Martin, Philip, Victorville, Calif. Motor vehicle brake. 2,356,258; Aug. 22.

Martin, Robert E., South Devon, England, assignor to International Standard Electric Corporation, New York, N. Y. Gramophone pickup arm. 2,356,467; Aug. 22.

Marzoli, Luigi, Palazzolo sull 'Oglio, Italy; vested in the Alien Property Custodian. Pressure hinged lever system for cylinders of sliver or lap drawing frames for use in spinning textile fibers of various kinds. 2,356,416; Aug. 22.

Maskey, James J. (See Manson, F. G., and Maskey.)

Maslin, Thomas I. (See Thomas, R. N., and Maslin.)

Masterson, Christopher R. (See Ozol, R. J., and Masterson.)

Mathes, Roger A., Akron, and P. C. Jones, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Composition of matter. 2,356,604; Aug. 22.

Mathes, Roger A. (See Jones, P. C., and Mathes.)

Mathes, Roger A., Akron, and P. C. Jones, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Acceleration of vulcanization. 2,356,170; Aug. 22.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composition of matter. 2,356,171; Aug. 22.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Salts of mercaptans. 2,356,172; Aug. 22.

Matter, Albert J., Park Ridge, Ill. Hose connector. 2,356,333; Aug. 22.

Maude, Aylmer H., and D. S. Rosenberg, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Storing and concentrating anhydrous hydrogen chloride. 2,356,259; Aug. 22.

Maude, Aylmer H., and D. S. Rosenberg, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Storing and concentrating anhydrous hydrogen chloride. 2,356,334; Aug. 22.

Maude, Aylmer H. (See Osborne, S. G., and Maude.)

Maxwell, William H., Newport Beach, Calif. Exercising device. 2,356,260; Aug. 22.

Maybach, Karl. (See Lang, R., and Maybach.)

Mayer, Friedrich, and F. Wopper, Regensburg, Germany; vested in the Alien Property Custodian. Riveting machine. 2,356,526; Aug. 22.

Mayer, Louis T., assignor to No-Sag Spring Company, Detroit, Mich. Soft edge seat construction. 2,356,417; Aug. 22.

Maynard, Carl W., Jr. (See Rossander, S. S., Sparks, and Maynard, Jr.)

McClellan, Paul P. (See Kirk, P. M., and McClellan.)

McCracken, John H. (See Schlesman, C. H., and McCracken.)

McDonald, Ronald R., Glace Bay, Nova Scotia, Canada. Combination blind and curtain support. 2,356,415; Aug. 22.

McDuffie, Archie D. (See Caris, D. F., and McDuffie.)

McGrath, William L., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration. 2,356,261; Aug. 22.

McKelvey, William L., East Hempstead, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Movement determining mechanism. 2,356,167; Aug. 22.

McKenzie, William M., Newtown, Conn. Chip separator. 2,356,465; Aug. 22.

McNally, James G., and F. C. Duennebier, assignors to Eastman Kodak Company, Rochester, N. Y. Water-soluble resins. 2,356,466; Aug. 22.

McRae, James W., Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplification with high efficiency. 2,356,331; Aug. 22.

Meads, Philip F. (See Gillett, T. R., Meads, and Holven.)

Mees, Willem. (See De Smet, P., and Mees.)

Meininghaus, Ulrich, Mulheim-on-the-Ruhr, Germany; vested in the Alien Property Custodian. Turbine rotor. 2,356,605; Aug. 22.

Meitzer, Jack, et al. (See Casciani, Romildo, assignor.)

Mercier, Jean, Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Manufacture of carpets, linings, or the like. 2,356,527; Aug. 22.

Mercier, Warren C., assignor to American Hatters and Furriers Company, Incorporated, Danbury, Conn. Carroting and composition therefor. 2,356,681; Aug. 22.

Mesch, Orwar S. A., St. Albans, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Number indicating device. 2,356,335; Aug. 22.

Messer, William E., Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y. Chemical compounds. 2,356,682; Aug. 22.

Messner, Maximilian, Berlin, Germany; vested in the Alien Property Custodian. Braun tube. 2,356,418; Aug. 22.

Metal Office Furniture Company. (See Bullock, Earle C., assignor.)

Mette, Bodo, Berlin-Halensee, Germany; vested in the Alien Property Custodian. Steering for track chain and other vehicles having more than two axles. 2,356,528; Aug. 22.

Metzger, William J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Uncoupling mechanism. 2,356,336; Aug. 22.

Miehle Printing Press and Manufacturing Company. (See Golber, Hyman E., assignor.)

Mikeska, Louis A., Westfield, and E. Arundale, Colonia, N. J., assignors to Standard Oil Development Company. Cyclo-polymethyleno-meta-dioxanes. 2,356,683; Aug. 22.

Millard, Lee P., and S. D. Pool, Moline, Ill., assignors to International Harvester Company. Thresher. 2,356,419; Aug. 22.

Miller, Abraham B., Newark, deceased, H. E. Miller, administratrix, assignor to Hercules Powder Company, Wilmington, Del. Electric blasting cap. 2,356,337; Aug. 22.

Miller, Hazel E., administratrix. (See Miller, Abraham B.)

Miner, Frederick M., Jr., assignor to Renim, Inc., Madison, Wis. Surgical pad sterilizer. 2,356,684; Aug. 22.

Minneapolis-Honeywell Regulator Company. (See Bedard, Earl L., assignor.)

Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)

Misfeldt, Charles C., Glendale, Calif. Extrusion molding method. 2,356,338; Aug. 22.

Molins Machine Company, Limited. (See Hall, Charles T., assignor.)

Monnet, Georges, Washington, D. C., assignor to Guardian Merchandising Corporation, Montreal, Quebec, Canada. Safety razor. 2,356,173; Aug. 22.

Monroe, Charles Z., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Liquid measuring and dispensing apparatus. 2,356,420; Aug. 22.

Morrison, Jess S., Southgate, assignor to Leo M. Harvey, La Canada, Calif. Airplane pitch control. 2,356,339; Aug. 22.

Morrison, Robert F. (See Harbert, C. J., and Morrison.)

Morse, John F., Hudson, Ohio. Web winding and rewinding machine. 2,356,421; Aug. 22.

Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,356,262; Aug. 22.

Müller, Heinz O. (See von Borries, B., Müller and Ruska.)

Müller, Josef, Stuttgart, Germany; vested in the Alien Property Custodian. Vehicle springing. 2,356,606; Aug. 22.

Mullins Manufacturing Corporation. (See Gonda, John H., assignor.)

Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Metal soaps. 2,356,340; Aug. 22.

Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener secured installation and fastener therefor. 2,356,422; Aug. 22.

Nalven & Son, Inc. (See Orgass, Rudolph, assignor.)

National Agrol Company. (See Christensen, Leo M., assignor.)

National Automotive Fibres, Inc. (See Cunnington, George R., assignor.)

National Cash Register Company, The. (See Chollar, Robert G., assignor.)

National Cylinder Gas Company. (See Chouinard, A. F., and Bordeaux, assignors.)

National Malleable and Steel Castings Company. (See Metzger, William J., assignor.)

National Oil Products Company. (See Kelley, Maurice J., assignor.)

National Tube Company. (See Webb, Samuel, assignor.)

Neely, George L., and F. W. Kavanagh, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif. Compounded oils. 2,356,685; Aug. 22.

Nelson, Arthur W., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler firebox. 2,356,263; Aug. 22.

Nelson, Arthur W., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler firebox. 2,356,264; Aug. 22.

Newall, Archibald P., Glasgow, Scotland. Manufacture of stud-bolts. 2,356,686; Aug. 22.

New Products Corporation. (See Banker, Oscar H., assignor.)

New York Air Brake Company, The. (See Huber, Matthew W., assignor.)

Nickell, Wesley E. (See Ogilvie, C. B., Nickell, and Colley.)

Nixon, Leslie B., New Eltham, London, assignor to J. Stone & Company Limited, Deptford, England. Electric regulator. 2,356,341; Aug. 22.

Nolde and Horst Company, The. (See Wagenhorst, Lester D., assignor.)

Northey, Elmore H., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. 4-mercaptobenzenesulphonamide. 2,356,265; Aug. 22.

Norton Company. (See Crompton, George, Jr., assignor.)

Norton Company. (See Garside, John I., assignor.)

No-Sag Spring Company. (See Mayer, Louis T., assignor.)

O'Brien, James D., Brooklyn, N. Y. Temperature measuring device. 2,356,607; Aug. 22.

O'Bryan, Lorin, Scotia, N. Y., assignor to General Electric Company. Galvanometer. 2,356,608; Aug. 22.

Ogilvie, Charles B., North Kansas City, W. E. Nickell, Lee's Summit, and L. E. Colley, Buckner, Mo., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Machine control means. 2,356,266; Aug. 22.

Ohio Crankshaft Company, The. (See Denneen, F. S., and Dunn, assignors.)

Old Dominion Box Company. (See Arner, Sterling R., assignor.)

O'Leary, Charles M., Houston, Tex. Bottom hole intermitter. 2,356,423; Aug. 22.

Olken, Hyman, Washington, D. C. Electric switch. 2,356,174; Aug. 22.

Olson, Carl A., C. V. Lisle, and T. E. Brooks, assignors to Lisle Corporation, Clarinda, Iowa. Grinder attachment. 2,356,175; Aug. 22.

Onions, John H. (See Thornhill, Peter W., assignor.)

O'Reilly, Charles L., New York, N. Y. Vending machine. 2,356,687; Aug. 22.

O'Reilly, Charles L., New York, N. Y. Cabinet. 2,356,688; Aug. 22.

Orgass, Rudolph, College Point, Long Island, assignor to Nalven & Son, Inc., Bronx, N. Y. Woven fabric tube and making the same. 2,356,342; Aug. 22.

Orgass, Rudolph, College Point, Long Island, assignor to Nalven & Son, Inc., Bronx, N. Y. Tube conformer for tube weaving looms. 2,356,343; Aug. 22.

Osbeck, Oscar H., Nahant, assignor to Prime Manufacturing Co., Lynn, Mass. Machine for treating soles. 2,356,344; Aug. 22.

Osborne, Sidney G., St. Davids, Ontario, Canada, and A. H. Maude, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Storing and concentrating anhydrous hydrogen chloride. 2,356,345; Aug. 22.

Ozol, Rudolph J., Hillside, and C. R. Masterson, Summit, N. J., assignors to Standard Alcohol Company. Purification of alcohols. 2,356,689; Aug. 22.

Packard Motor Car Company. (See Paton, Clyde R., assignor.)

Packie, John W., Green Village, J. D. Long, Westfield, and P. W. Cornell, Elizabeth, N. J., assignors to Standard Oil Development Company. Dewaxing process. 2,356,346; Aug. 22.

Palmer, Charles M. (See Johnson, J. H., and Palmer.)

Pappercentralen i Stockholm A. B. (See Strandberg, Mauritz O., assignor.)

Parker Manufacturing Company. (See Priest, Dwight E., assignor.)

Parker, Sydney M., assignor to Automotive Products Company Limited, Leamington Spa, England. Landing gear for aircraft. 2,356,468; Aug. 22.

Parsons, Harrison O., Houston, Tex. Device for measuring liquid level in containers. 2,356,347; Aug. 22.

Parth, Walter A. (See Webster, Richard C., assignor.)

Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Windshield wiper. 2,356,424; Aug. 22.

Patterson, John A., Westfield, N. J., assignor to Standard Oil Development Company. Purification of organic liquids. 2,356,348; Aug. 22.

Payne, Lambert M., Detroit, Mich. Automobile body heater. 2,356,609; Aug. 22.

Pearson, Edgar M., Sulphur, La. Attachment for dredges and similar devices. 2,356,469; Aug. 22.

Pechy, William, Manasquan, N. J., assignor to American Can Company, New York, N. Y. Filling machine. 2,356,176; Aug. 22.

Pelcé, Henri, Flixecourt, France; vested in the Alien Property Custodian. Change-over device for circular weaving looms. 2,356,425; Aug. 22.

Pelunis, Rudolph J., Los Angeles, Calif. Activated gauge glass refractor. 2,356,267; Aug. 22.

Pelzer, Harold H. (See Pelzer, W. and H. H.)

Pelzer, William, Yonkers, and H. H. Pelzer, New York, N. Y. Attaching metal rings to paper bottles. 2,356,470; Aug. 22.

Pennsylvania Railroad Company, The. (See Jones, Lloyd B., assignor.)

Pennsylvania Railroad Company, The. (See Steins, Carleton K., assignor.)

Penney, Harold F., University Heights, assignor to Red Star Products, Inc., Cleveland, Ohio. Power-operated mitering and beveling tool. 2,356,610; Aug. 22.

Pepsi-Cola Company. (See Datz, George J., assignor.)

Perkins, Arthur R., Oneonta, N. Y. Combined vehicle body frame and chassis. 2,356,690; Aug. 22.

Perrin, René, Paris, France; vested in the Alien Property Custodian. Purifying metal. 2,356,529; Aug. 22.

Persson, Henry, assignor to H. S. P. Marine Inc., Bloomfield, N. J. 2,356,349; Aug. 22.

Peters, Fredus N., Evanston, and E. G. Rupp, assignors to The Quaker Oats Company, Chicago, Ill. Vitaminizing fluid. 2,356,350; Aug. 22.

Peters, Kurt, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Catalytic conversion of hydrocarbons. 2,356,611; Aug. 22.

Peterson, Norman R., Seattle, Wash. Antitorpedo shield. 2,356,691; Aug. 22.

Petrolite Corporation, Ltd. (See Blair, C. M., Jr., and Lehmann, Jr., assignors.)

Petrolite Corporation, Ltd. (See Lehmann, S., Jr., and Blair, assignors.)

Pfaff, Peter, Berlin-Siemensstadt, and H. Benkert, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Temperature-responsive control mechanism, especially for refrigerating apparatus. 2,356,612; Aug. 22.

Pflock, Rudolf, Nunchritz near Crossenhain, Germany; vested in the Alien Property Custodian. Apparatus for the absorption of gases in liquids. 2,356,530; Aug. 22.

Philco Radio and Television Corporation. (See Applegarth, Alexander R., Jr., assignor.)

Philco Radio and Television Corporation. (See Travis, Charles.)

Phillips, Dwight M., Fullerton, assignor to Chiksan Tool Company, Brea, Calif. Swivel connection. 2,356,351; Aug. 22.

Phillips, Paul A., Haverhill, Mass. Shoemaking. 2,356,268; Aug. 22.

Phillips Petroleum Company. (See Krogler, Allen D., assignor.)

Phillips Petroleum Company. (See Upham, John D., assignor.)

Pierce Governor Company. (See Benjamin, Walter E., assignor.)

Pierson, Leslie C., Schenectady, N. Y., assignor to General Electric Corporation. Fluid actuated switch. 2,356,177; Aug. 22.

Pillsbury Flour Mills Company. (See Brown, R. O., and Harrel, assignors.)

Pioneer Parachute Company, Inc. (See Smith, Prevost F., assignor.)

Pitar, Adolph, Brooklyn, N. Y. Game. 2,356,531; Aug. 22.

Pitney-Bowes Postage Meter Co. (See Rouan, F. J., and Knauer, assignors.)

Pittman, Ralph R., Pine Bluff, Ark. Fuse construction. 2,356,352; Aug. 22.

Platt, Haviland H., New York, N. Y., assignor to Rotary Research Corporation, Philadelphia, Pa. Rotative-winged aircraft. 2,356,692; Aug. 22.

Plessey Company Limited, The. (See da Costa, Harry, assignor.)

Polaroid Corporation. (See Land, Edwin H., assignor.)

Polzer, Fridolin, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple remover. 2,356,693; Aug. 22.

Poncet, André F. H., Paris, France; vested in the Alien Property Custodian. Mercury ampere-hour meter. 2,356,613; Aug. 22.

Pool, Stuart D. (See Millard, L. P., and Pool.)

Poor & Company. (See Warr, Harold G., assignor.)

Popper, Catherine S. (See Staud, C. J., and Popper.)

Portnow, Moris, New York, N. Y. Moistureproof truss. 2,356,426; Aug. 22.

Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulated rectifying system. 2,356,269; Aug. 22.

Potter, Rowland S., Brightford Heights, and J. M. Centa, assignors to Defender Photo Supply Co., Inc., Rochester, N. Y. Optical filter and producing same. 2,356,694; Aug. 22.

Poynter, William B., Cincinnati, Ohio. Light control device. 2,356,178; Aug. 22.

Press Wireless, Inc. (See Sprague, Robert M., assignor.)

Pressed Steel Company Limited. (See Speed, Edmund, assignor.)

Pressnail, Charles A., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash lock. 2,356,427; Aug. 22.

Priest, Dwight E., Worcester, Mass., assignor to Parker Manufacturing Company. Making rails for model railways. 2,356,695; Aug. 22.

Prime Manufacturing Co. (See Osbeck, Oscar H., assignor.)

Proctor & Schwartz, Inc. (See Bucher, Thomas T. N., assignor.)

Products Development, Inc. (See Abernathy, David W., assignor.)

Proos, Cornilis F., The Hague, Netherlands; vested in the Alien Property Custodian. Joint for oil-insulated high-tension cables. 2,356,614; Aug. 22.

Protectoseal Company of America, Inc. (See Lebus, William A., assignor.)

Proudman, Chester F., and F. C. Walters, assignors to The Walpro Products Corporation, New Canaan, Conn. Dispensing container. 2,356,179; Aug. 22.

Pyrene-Minimax Corporation. (See Timpson, Lewis G. M., assignor.)

Quaker Oats Company, The. (See Peters, F. N., and Rupp, assignors.)

Radio Corporation of America. (See Battermann, Ludwig A., assignor.)

Radio Corporation of America. (See Beers, George L., assignor.)

Radio Corporation of America. (See Cox, John W., assignor.)

Radio Corporation of America. (See Crosby, Murray G., assignor.)

Radio Corporation of America. (See Finch, James L., assignor.)

Radio Corporation of America. (See Fredendall, Gordon L., assignor.)

Radio Corporation of America. (See Kentner, Carroll D., assignor.)

Radio Corporation of America. (See Linder, Ernest G., assignor.)

Ranney, Fred T., Minneapolis, Minn. Filling apparatus for tractor gasoline tanks. 2,356,428; Aug. 22.

Rapfogel, Mortimer, Bronx, N. Y. Foldable music stand. 2,356,532; Aug. 22.

Rauh, Hermann, Berlin-Zehlendorf, Germany; vested in the Alien Property Custodian. Carriage control for accounting machines. 2,356,429; Aug. 22.

Raymond, Edward F., Los Angeles, Calif. Gun perforator. 2,356,430; Aug. 22.

Raymond, Edward F., Los Angeles, Calif. Retrievable gun perforator. 2,356,431; Aug. 22.

Red Star Products, Inc. (See Penney, Harold F., assignor.)

Reed-Prentice Corporation. (See Smith, Donald J., assignor.)

Rehner, John, Jr., Wadsworth, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making fine particle size carbon black. 2,356,471; Aug. 22.

Reis, Arthur M., assignor to Robert Reis & Co., New York, N. Y. Man's undergarment. 2,356,696; Aug. 22.

Reis, Robert & Co. (See Reis, Arthur M., assignor.)

Reising, Eugene G., Hartford, Conn. Firearm. 2,356,726; Aug. 22.

Reising, Eugene G., Hartford, Conn. Firearm. 2,356,727; Aug. 22.

Reising, Eugene G., Hartford, Conn. Flash hider. 2,356,728; Aug. 22.

Remington Arms Company. (See Barry, J. P., and Avery, assignors.)

Remington Arms Company. (See Birdsall, Edwin H., assignor.)

Remington Arms Company. (See Brün, Willi, assignor.)

Remington Arms Company. (See Burdett, P. H., and Calhoun, assignors.)

Remington Arms Company. (See Burdett, P. H., Reynolds, and Turner, assignors.)

Remington Arms Company. (See Cook, Judson A., assignor.)

Remington Arms Company. (See Coxe, Charles D., assignor.)

Remington Arms Company. (See Gagne, Antoine F., Jr., assignor.)

Remington Arms Company. (See House, Herbert E., assignor.)

Remington Arms Company. (See Johnston, James L., assignor.)

Remington Arms Company. (See Loomis, Crawford C., assignor.)

Remington Arms Company. (See Lowe, Kenneth J., assignor.)

Remington Arms Company. (See Ogilvie, C. B., Nickell, and Colley, assignors.)

Remington Arms Company. (See Reynolds, W. S., and Turner, assignors.)

Remington Arms Company. (See Reynolds, Warren S., assignor.)

Remington Arms Company. (See Snodgrass, Forrest W., assignor.)

Remington Arms Company. (See Yost, Kenneth J., assignor.)

Renim, Inc. (See Miner, Frederick M., Jr., assignor.)

Resinous Products & Chemical Company, The. (See Eastes, John W., assignor.)

Reuss, Werner, deceased. (See Hentrich, Winfrid, Kaiser, and Reuss.)

Revelli, Gino, Rome, Italy; vested in the Alien Property Custodian. Firing mechanism for automatic arms. 2,356,615; Aug. 22.

Reynaud, Samuel C., assignor to Detroit Steel Products Company, Detroit, Mich. Window operator. 2,356,270; Aug. 22.

Reynolds, Warren S. (See Burdett, P. H., Reynolds, and Turner.)

Reynolds, Warren S., Stratford, Conn., assignor to Remington Arms Company, Inc. Molded article transfer mechanism. 2,356,271; Aug. 22.

Reynolds, Warren S., Stratford, and John R. Turner, Milford, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Honing machine. 2,356,272; Aug. 22.

Rial, George A., Linden, N. J., assignor to Standard Oil Development Company. Treating hydrocarbon fluids. 2,356,697; Aug. 22.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Peak demand meter. 2,356,616;

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Quick response direct-current instrument. 2,356,617; Aug. 22.

Riedel, Ferdinand, Berlin-Mariendorf, Germany; vested in the Alien Property Custodian. Control device for once-through vapor generators. 2,356,533; Aug. 22.

Risser, Ross E., Jr., Bonham, Tex. Liquid meter. 2,356,273; Aug. 22.

Rivet-O Manufacturing Co. (See Harris, Carl C., assignor.)

Robinson, Frank L. et al. (See Christensen, Leo M., assignor.)

Rochester Manufacturing Co. (See Connolly, W. B., and Ford, assignors.)

Rocke, Floyd L., Bloomington, assignor to Electric Household Utilities Corporation, Chicago, Ill. Agitator construction. 2,356,353; Aug. 22.

Rodman, Ernest A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method of coating fabric. 2,356,354; Aug. 22.

Roedding, Gordon E., Madison County, Ind., assignor to General Motors Corporation, Detroit, Mich. Prismoidal rearview mirror. 2,356,432; Aug. 22.

Roesch, George R., and G. White, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass grinding apparatus. 2,356,433; Aug. 22.

Roger, Henry, Sandy Hook, Conn., assignor to American Measuring Instruments Corporation. Optical comparator. 2,356,274; Aug. 22.

Roitz, Joseph M., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Bundle handling mechanism for coiled material. 2,356,698; Aug. 22.

Ronci, Victor L. (See Clark, J. E., Domaleski, and Ronci.)

Rood, William B., assignor to Automatic Screen Corporation, Des Moines, Iowa. Window screen. 2,356,275; Aug. 22.

Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle construction. 2,356,180; Aug. 22.

Rosenberg, David S. (See Maude, A. H., and Rosenberg.)

Rösler, Richard E., Dresden, Germany; vested in the Alien Property Custodian. Tobacco spreader. 2,356,534; Aug. 22.

Rossander, Swanie S., C. E. Sparks, and C. W. Maynard, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized diazo printing paste. 2,356,618; Aug. 22.

Rossi, Irving, West Orange, N. J., and P. F. Rossmann, Buffalo, N. Y., said Rossmann assignor to said Rossi. Fastener. 2,356,619; Aug. 22.

Rossiter, William D., Sandusky, Ohio. Cabinet sealing means. 2,356,276; Aug. 22.

Rossmann, Peter F. (See Rossi, L., and Rossmann.)

Rotary Research Corporation. (See Platt, Havilard H., assignor.)

Rothaug, Clarence W., Buffalo, N. Y. Container sealing machine. 2,356,472; Aug. 22.

Rouan, Francis J., Stamford, and B. Knauer, East Norwalk, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Locking device. 2,356,699; Aug. 22.

Rubens, Joseph G., assignor to Joe Lowe Corporation, New York, N. Y. Chocolate manufacture. 2,356,181; Aug. 22.

Rubin, Martin. (See Elderfield, R. C., and Rubin.)

Rubissow, George A. (See Skaredoff, Nikolai N., assignor.)

Rupp, Eldor G. (See Peters, F. N., and Rupp.)

Rupp, Walter H., Mountainside, and C. T. Harding, Hillside, N. J., assignors to Standard Oil Development Company. Treating hydrocarbon fluids. 2,356,700; Aug. 22.

Ruska, Ernst, Berlin-Spandau, Germany; vested in the Alien Property Custodian. Electronic lens. 2,356,535; Aug. 22.

Ruska, Ernst. (See von Borries, B., Müller, and Ruska.)

Russell, John D., Cranberry Township, Venango County, Pa., assignor to Joy Manufacturing Company. Shuttle car. 2,356,434; Aug. 22.

Ruthruff, Robert F., Nutley, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Aromatizing hydrocarbons. 2,356,701; Aug. 22.

Ryan, Frank C. (See Anderson, G. L., and Ryan.)

Rzymkowski, Johannes, Jena, Germany; vested in the Alien Property Custodian. Developing process. 2,356,536; Aug. 22.

Sadtler, Robert E., Ridley Park, Pa. Tobacco pipe. 2,356,355; Aug. 22.

Sandbery, Oscar, assignor to Lynch Manufacturing Corporation, Defiance, Ohio. Flange hold-in device for wrapping machines. 2,356,537; Aug. 22.

Sarazin, Raoul R. R., Lyon, France; vested in the Alien Property Custodian. Vibration damper. 2,356,435; Aug. 22.

Sassetti, Antonio. (See Sonnino, C., and Sassetti.)

Saul, Samuel, Jr., Pittsburgh, Pa. Tray construction. 2,356,473; Aug. 22.

Savole, Mark E., Cleveland, Ohio. Eraser for mechanical pencils. 2,356,474; Aug. 22.

Schade, Karl W., Berlin, Germany; vested in the Alien Property Custodian. Photographic justifying apparatus. 2,356,620; Aug. 22.

Schaich, Wilbur A., Springfield, Mass. Sight. 2,356,182; Aug. 22.

Schairer, George S. (See Allen, E. T., and Schairer.)

Scherer, Robert P., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich. Capsulating machine. 2,356,436; Aug. 22.

Schinzel, Karl, Zurich, Switzerland, assignor to Eastman Kodak Company, Rochester, N. Y. Phenolic and naphtholic couplers containing sulphonamide groups. 2,356,475; Aug. 22.

Schlack, Paul, Berlin-Treptow, Germany; vested in the Alien Property Custodian. Manufacture of cyclic amidines. 2,356,622; Aug. 22.

Schlack, Paul, Berlin-Treptow, Germany; vested in the Alien Property Custodian. Production of synthetic linear condensation polyamides. 2,356,702; Aug. 22.

Schlesman, Carleton H., Camden, and J. H. McCracken, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Treatment of hydrocarbon fractions. 2,356,357; Aug. 22.

Schmeisser, Hugo, Buhl, Germany; vested in the Alien Property Custodian. Blank ammunition firing attachment for automatic guns. 2,356,538; Aug. 22.

Schmitt, Carl, Leipzig, Germany; vested in the Alien Property Custodian. Lifting jack for motor vehicles. 2,356,623; Aug. 22.

Schmitt, George P., New York, N. Y. Holder or cup for catalytic lighters. 2,356,356; Aug. 22.

Schneeman, Justin G., Los Angeles, Calif. Making industrial radiographs. 2,356,358; Aug. 22.

Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Treatment of cellulose acetate. 2,356,277; Aug. 22.

Schröder-Nielsen, Thorolf, Oslo, Norway; vested in the Alien Property Custodian. Protecting and launching device for lifeboats. 2,356,539; Aug. 22.

Schueler, Fred C., Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Releasable plug jacket. 2,356,278; Aug. 22.

Schulz, Conrad, Berlin-Spandau, and K. Tandetzke, Teltow, Germany; vested in the Alien Property Custodian. Vehicle body. 2,356,624; Aug. 22.

Schumann, Artur, Kustrin-Neustadt, Germany; vested in the Alien Property Custodian. Building plate. 2,356,625; Aug. 22.

Schwinn, Frank W., Chicago, Ill. Apparatus for assembling bicycles. 2,356,540; Aug. 22.

Sciaky, David, Paris, France, assignor to Welding Research, Inc., Chicago, Ill. Machine for welding by electromagnetic storage of energy. 2,356,621; Aug. 22.

Séailles, Jean C., Paris, France; vested in the Alien Property Custodian. Dissolving raw aluminates of lime in water and recovering alumina from such solutions. 2,356,626; Aug. 22.

Seamless Rubber Company, The. (See Madsen, Paul S., assignor.)

Selter, Donaldson, assignor to Tungsten Carbide Tool Company, Detroit, Mich. Facing tool. 2,356,359; Aug. 22.

Servel, Inc. (See Andersson, Sven W. E., assignor.)

Shaller, Philip B., Middlebury, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Fixture element. 2,356,703; Aug. 22.

Shappirio, Sol, Washington, D. C. Motor fuels. 2,356,476; Aug. 22.

Shepard, Hugh M., and C. A. Knierim, Baltimore, Md., assignors to American Smelting and Refining Company, New York, N. Y. Purification of nickel salts. 2,356,183; Aug. 22.

Sherman, William. (See Crotty, James A., assignor.)

Shmidl, Albert J., Greens Bayou Park, and M. Wiggen, Baytown, Tex., assignors to Standard Oil Development Company. Refining of mineral oils. 2,356,704; Aug. 22.

Siegler, Eugene G. and R. J., Marion County, Ill. Heater. 2,356,705; Aug. 22.

Siegler, Raymond J. (See Siegler, Eugene G. and R. J.)

Sigg, Joseph A., Pittsburgh, Pa. Toy gun. 2,356,706; Aug. 22.

Sigler, Laurence M., Washington, D. C., assignor of one-third to J. C. Gill and one-third to K. B. Gill, San Francisco, Calif. Presser head for egg opening machines. 2,356,707; Aug. 22.

Sileck, Joseph J., Chicago, Ill. Bus construction. 2,356,708; Aug. 22.

Simonds, Frank C., Moylan, assignor to The Atlantic Refining Company, Philadelphia, Pa. Pelican hook. 2,356,279; Aug. 22.

Simons, Aaron, Bronx, N. Y. Automatic facet forming machine. 2,356,184; Aug. 22.
Singer Manufacturing Company, The. (See Enos, John P., assignor.)
Singer Manufacturing Company, The. (See Gunther, Hermann, assignor.)
Singer Manufacturing Company, The. (See Hofgesang, William, assignor.)
Skaredoff, Nikolai N., New York, assignor of one-half to G. A. Rubissow, New York County,, N. Y. Interruption injection pump. 2,356,627; Aug. 22.
Sledzianowski, Franz, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Apparatus for electrolytic production of hydrogen. 2,356,541; Aug. 22.
Sloan, Clifford K., Thornton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rendering massive inorganic bodies hydrophobic. 2,356,542; Aug. 22.
Smith, Claude R., Philadelphia, Pa., assignor to C. R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Compounds of nicotine. 2,356,185; Aug. 22.
Smith, Donald J., Vancouver, British Columbia, Canada, assignor to Reed-Prentice Corporation, Worcester, Mass. Chain saw construction. 2,356,437; Aug. 22.
Smith, G. Tucker, et al. (See Ingres, J. G., and Hey, assignors.)
Smith, George T. assignor to Automatic Shifters, Inc., Richmond, Va. Power steering mechanism. 2,356,492; Aug. 22.
Smith, John R., assignor to Harrington & Richardson Arms Company, Worcester, Mass. Flare gun. 2,356,709; Aug. 22.
Smith, Prevost F., Manchester, assignor to Pioneer Parachute Company, Inc. Borough of Manchester, Conn. Parachute. 2,356,493; Aug. 22.
Smith, Richard G., Amsterdam, N. Y. Load catapulting toy railway car. 2,356,280; Aug. 22.
Smolensky, Michael, Cleveland, Ohio. Valve construction. 2,356,360; Aug. 22.
Sneed, John. (See Forbes, Joseph A., assignor.)
Snodgrass, Forrest W., Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Projectile loading. 2,356,281; Aug. 22.
Socony-Vacuum Oil Company. (See Schlesman, C. H., and McCracken, assignors.)
Somers, Brock A., Garden City, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Isolation amplifier for self-synchronous systems. 2,356,186; Aug. 22.
Sommer, Fritz. (See Haffner, Felix, and Sommer.)
Sonnino, Carlo, and A. Sassetti, Milan, Italy; vested in the Alien Property Custodian. Electrolytic production of opaque layers, similar to enamel, on aluminum and its alloys. 2,356,543; Aug. 22.
Sonotone Corporation. (See Koren, Heiman W., assignor.)
Sparks, Chiles E. (See Rossander, S. S., Sparks, and Maynard, Jr.)
Sparks, William J. (See Thomas, R. M., and Sparks.)
Sparks, William J., Elizabeth, and R. M. Thomas, Union, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Olefinic polymerization process and product. 2,356,129; Aug. 22.
Speed, Edmund, Headington, assignor to Pressed Steel Company Limited, Cowley, Oxford, England. Mounting of window glass in vehicle wall structures. 2,356,123; Aug. 22.
Sprague, Robert H. (See Brooker, L. G. S., and Sprague.)
Sprague, Robert M., Great Neck, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Facsimile transmission system and the like. 2,356,361; Aug. 22.
Sperry Gyroscope Company, Inc. (See McKelvey, William L., assignor.)
Sperry Gyroscope Company, Inc. (See Somers, Brock A., assignor.)
Splaine, Edward M. (See Cozzens, C. O., and Splaine.)
Squibb, E. R., & Sons. (See Fernholz, Erhard, assignor.)
Stalmann, Georg P. G., Hamburg-Harburg, Germany; vested in the Alien Property Custodian. Device for the continuous cleavage of fats, oils, and similar substances. 2,356,628; Aug. 22.
Stamatoff, Gelu S., Rutherford, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of polyvinyl alcohol. 2,356,282; Aug. 22.
Standard Alcohol Company. (See Ozol, R. J., and Masterson, assignors.)
Standard Oil Company of California. (See Neely, G. L., and Kavanagh, assignors.)
Standard Oil Development Company. (See Boucher, Frank G., assignor.)
Standard Oil Development Company. (See Brown, Cecil L., assignor.)
Standard Oil Development Company. (See Chapman, Thomas S., assignor.)
Standard Oil Development Company. (See Connolly, Gerald C., assignor.)
Standard Oil Development Company. (See Gerlicher, R. A., and Bannon, assignors.)
Standard Oil Develoopment Company. (See Marancik, J. V., and Gohr, assignors.)
Standard Oil Development Company. (See Mikeska, L. A., and Arundale, assignors.)
Standard Oil Development Company. (See Murphree, Eger V., assignor.)
Standard Oil Development Company. (See Packie, J. W., Long, and Cornell, assignors.)
Standard Oil Development Company. (See Patterson, John A., assignor.)
Standard Oil Development Company. (See Rial, George A., assignor.)
Standard Oil Development Company. (See Rupp, W. H., and Harding, assignors.)
Standard Oil Development Company. (See Shmidl, A. J., and Wiggen, assignors.)
Standard Oil Development Company. (See Voorhies, Alexis, Jr., assignor.)
Standard Oil Development Company. (See Williams, Robert W., assignor.)
Stasse, Henry L. (See Engel, K. H., and Stasse.)
Staud, Cyril J., Rochester, N. Y., and C. S. Popper, Fort Davis, Tex., assignors to Eastman Kodak Company, Rochester, N. Y. Hardeners for photographic processing solutions. 2,356,477; Aug. 22.
Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Low-water alarm for boilers. 2,356,283; Aug. 22.
Stieglitz, Albert, Berlin-Spandau, Germany; vested in the Alien Property Custodian. Supercharger. 2,356,124; Aug. 22.
Stiteler, Charles H., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. 2-mercapto dihydro pyrimidine derivatives. 2,356,710; Aug. 22.
Stockdale, James F., Sanducky, Ohio. Photographic roll film adapter for plate and film pack cameras. 2,356,284; Aug. 22.
Stolberg, Emil C. (See Evans, Morris S., and Stolberg.)
Stone, J., & Company Limited. (See Nixon, Leslie R., assignor.)
Strandberg, Mauritz Oscar, Enskede, assignor to Pappercentralen i Stockholm A. B., Stockholm, Sweden. Packing sheets of paper. 2,356,362; Aug. 22.
Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electrical regulator. 2,356,629; Aug. 22.
Strecker, Charles E., Arlington, assignor to Encor Corporation, Belleville, N. J. Swing gate valve. 2,356,630; Aug. 22.
Street, Edward T., assignor to Downingtown Manufacturing Company, Downingtown, Pa. Apparatus for washing pulp. 2,356,285; Aug. 22.
Stryker, Norman R., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic measurement. 2,356,478; Aug. 22.
Submarine Signal Company. (See Grabau, William C., assignor.)
Swan, Donald R., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resins. 2,356,479; Aug. 22.
Swan, Donald R., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resins. 2,356,480; Aug. 22.
Swanson, Carl G., New York, N. Y. Extensible rule. 2,356,544; Aug. 22.
Swedlow, Samuel, New York, N. Y. Apparatus for electrical zeroizing. 2,356,187; Aug. 22.
Swift, Harvey C., Detroit, Mich. Fluid coupling. 2,356,125; Aug. 22.
Sykora, Vladislav, Neusattel, Germany; vested in the Alien Property Custodian. Method and apparatus for cropping hops. 2,356,545; Aug. 22.
Szayna, Antoni, assignor to A. C. Travis, New York, N. Y. Treatment of hydrocarbons. 2,356,711; Aug. 22.
Szekeres, Béla, Budapest, Hungary; vested in the Alien Property Custodian. Bathing cap. 2,356,126; Aug. 22.
Tallieferre, Henri, Paris, France; vested in the Alien Property Custodian. Marine power plant. 2,356,546; Aug. 22.
Tandetzke, Karl. (See Schulz, C., and Tandetzke.)
Technicolor Motion Picture Corporation. (See Whittaker, Lloyd E., assignor.)
Tennessee Coal, Iron & Railroad Company. (See Cox, Davis D., assignor.)
Ternstedt Manufacturing Company. (See Dean, Roy H., assignor.)
Tessier, Joseph D., Worcester, Mass. Gaff hook. 2,356,712; Aug. 22.
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,356,188; Aug. 22.
Thiollet, Robert. (See Chomette, A., and Thiollet.)
Thomas, Frederick M. (See Fedden, A. H. R., and Thomas.)
Thomas, Robert M. (See Sparks, W. J., and Thomas.)
Thomas, Robert M., Union, and W. J. Sparks, Cranford, N. J., assignors to Jasco, Incorporated. Lubricant. 2,356,127; Aug. 22.
Thomas, Robert M., Union, and W. J. Sparks, Cranford, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Mixed olefinic polymerization process and product. 2,356,128; Aug. 22.

Thomas, Robert M., Union, and W. J. Sparks, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Olefin-diolefin copolymers. 2,356,130; Aug. 22.
Thomas, Roy N., East Orange, and T. I. Maslin, Bloomfield, N. J., assignors to General Electric Company. Electric switch. 2,356,631; Aug. 22.
Thomas, Walter H. (See Wohnsiedler, H. P., and Thomas.)
Thompson, William C., Oakland, Calif. Camera. 2,356,363; Aug. 22.
Thornhill, Peter W., Leamington Spa, assignor to J. H. Onions, Coventry, England. Shock absorbing suspension device for vehicles. 2,356,481; Aug. 22.
Thrush Company, The. (See Thrush, Marquis O., assignor.)
Thrush, Marquis O., assignor to The Thrush Company, Peru, Ind. Water circulator. 2,356,482; Aug. 22.
Tice, Reuben S., Monterey, Calif. Radio remote control receiver. 2,356,364; Aug. 22.
Tiedemann, Hans, Akasaka-ku, Tokyo, Japan; vested in the Alien Property Custodian. Decomposition of sodium aluminate liquor. 2,356,547; Aug. 22.
Timken-Detroit Axle Company, The. (See Keese, Beverly W., assignor.)
Timpson, Lewis G. M., Plainfield, assignor to Pyrene-Minimax Corporation, Newark, N. J. Method of and apparatus for proportioning liquids. 2,356,286; Aug. 22.
Tracy, Florence F., Daytona Beach, Fla. Support for service trays. 2,356,131; Aug. 22.
Transport Steel Products, Inc. (See Lachman, Sarah S., assignor.)
Travis, Albert C. (See Szayna, Antoni, assignor.)
Travis, Charles, deceased, by Y. Travis, Wyndmoor, Pa., administratrix, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Frequency control system. 2,356,483; Aug. 22.
Travis, Yvonne, administratrix. (See Travis, Charles.)
Trepp, Samuel G., Swarthmore, Pa., assignor to The United Gas Improvement Company. Polymerization of cyclopentadiene type compounds. 2,356,494; Aug. 22.
Trimbach, Clem G., Eggertsville, N. Y., assignor to Erie Resistor Corporation, Erie, Pa. Ammunition belt for machine guns. 2,356,725; Aug. 22.
Tri-Pac Gun Kit, Inc. (See Hansen, Clarence L., assignor.)
Triumph Explosives, Inc. (See Decker, J. B., and Eichschmidt, assignors.)
Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Calendar. 2,356,132; Aug. 22.
Tufts, William F., Atlanta, Ga. Angle-of-lead control. 2,356,189; Aug. 22.
Tungsten Carbide Tool Company. (See Seiter, Donaldson, assignor.)
Turner, John R. (See Burdett, P. H., Reynolds, and Turner.)
Turner, John R. (See Reynolds, W. S., and Turner.)
Tuten, James M., Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass. Shedding mechanism. 2,356,713; Aug. 22.
Twentieth Century-Fox Film Corporation. (See Clarke, Charles G., assignor.)
Union Oil Company of California. (See Blount, Arthur L., assignor.)
Union Switch and Signal Company, The. (See Fereday, Frederick T., assignor.)
Union Switch & Signal Company. (See Laurenson, Robert M., assignor.)
United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United Gas Improvement Company, The. (See Trepp, Samuel G., assignor.)
United Shoe Machinery Corporation. (See Butler, Ernest L., assignor.)
United Shoe Machinery Corporation. (See Holmgren, Eric A., assignor.)
United States Rubber Company. (See Messer, William E., assignor.)
United States Rubber Company. (See Stiteler, Charles H., assignor.)
Upham, John D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of hydrocarbons. 2,356,487; Aug. 22.
V. Fuener, Wilhelm. (See Free, G., v. Fuener, and Goehrc.)
Van Campen, Henry, New York, N. Y., and A. D. Hill, Jr., Los Angeles, Calif. Smoke deflector for tobacco pipes and cigar and cigarette holders. 2,356,548; Aug. 22.
Van Dellen, Edward, and R. N. Ball, Visalia, Calif. Olive processing. 2,356,287; Aug. 22.
Van den Dool, Berend J., Deventer, Netherlands; vested in the Alien Property Custodian. Pill box. 2,356,632; Aug. 22.
Van den Kieboom, Leon E. M., Semeac, near Tarbes, France; vested in the Alien Property Custodian. Method and apparatus for performing ganging and reproducing operations. 2,356,133; Aug. 22.
Van der Bie, Godfried J., Buitenzorg, Java, Netherland East Indies; vested in the Alien Property Custodian. Manufacture of purified rubber. 2,356,549; Aug. 22.
Vargha, Laszló. (See Kramlí, A., and Vargha.)
Vittum, Paul W. (See Weissberger, A., and Vittum.)
Voit, Willy, Stuttgart, Germany; vested in the Alien Property Custodian. Liquid fuel injection system for multicylinder internal-combustion engines. 2,356,134; Aug. 22.
Volz, Anton, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Washing bath for textile materials 2,356,550; Aug. 22.
Von Ardenne, Manfred, Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian. Electronic microscope. 2,356,633; Aug. 22.
Von Borries, Bodo, H. O. Müller, and E. Ruska, Berlin-Spandau, Germany; vested in the Alien Property Custodian. Electronic microscope. 2,356,551; Aug. 22.
Von Mantenffel, Manfred Z., Berlin-Steglitz, Germany; vested in the Alien Property Custodian. Control device for furnaces. 2,356,135; Aug. 22.
Von Opel, Fritz, New York, N. Y., vested in the Alien Property Custodian. Apparatus for injection molding. 2,356,634; Aug. 22.
Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Novel isomerization process. 2,356,190; Aug. 22.
Wagenhorst, Lester D., assignor to The Nolde and Horst Company, Reading, Pa. Welt for hosiery. 2,356,484; Aug. 22.
Walbridge, Alvin E., assignor to The Magic Duplex Sign Company, Easton, Md. Animated exhibitor. 2,356,288; Aug. 22.
Waldschmidt, Ernst, and A. Bayer, Prague, Moravia and Bohemia; vested in the Alien Property Custodian. Improving the baking quality of flour. 2,356,635; Aug. 22.
Walpro Products Corporation, The. (See Proudman, C. F., and Walters, assignors.)
Walters, Franklyn C. (See Proudman, C. F., and Walters.)
Wampler, Roy W., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for handling mirrors during processing. 2,356,136; Aug. 22.
Warr, Harold G., Park Ridge, assignor to Poor & Company, Chicago, Ill. Rail anchor shipping bundle. 2,356,552; Aug. 22.
Weaver, Jerald D., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Pickup arm control mechanism. 2,356,137; Aug. 22.
Webb, Christopher F., Uxbridge, assignor to Bell Punch Company Limited, London, England. Calculating machine. 2,356,714; Aug. 22.
Webb, Samuel, Pittsburgh, Pa., assignor to National Tube Company. Tubular article conveyer. 2,356,485; Aug. 22.
Webster, Richard C., Baltimore, Md., assignor of one-half to W. A. Parth, New Canaan, Conn. Leash harness. 2,356,715; Aug. 22.
Weiss, Adolf. (See Callsen, A., and Weiss.)
Weiss, Gerhart, assignor of one-half to P. Karpfen, New York, N. Y. Device for light effects for imitating falling snow and the like. 2,356,191; Aug. 22.
Weissberger, Arnold, and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Stain prevention in color photography. 2,356,486; Aug. 22.
Weissenberg, Gustav J., Berlin-Mariendorf, Germany; vested in the Alien Property Custodian. Process to lower the reflection of optically active surfaces. 2,356,553; Aug. 22.
Weiss, Adolf, Budapest, Hungary; vested in the Alien Property Custodian. Time-setting device for fuses. 2,356,554; Aug. 22.
Welder Patents Inc. (See Allshouse, H. A., and Dyer, assignors.)
Welding Research, Inc. (See Sciaky, David, assignor.)
Wells, Harold D., Glens Falls, N. Y. Pulp screen. 2,356,289; Aug. 22.
Wendler, Adolph F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition and process. 2,356,290; Aug. 22.
West, C. W., et al. (See Gray, R. D., and Denison, assignors.)
Wheeler, Edwin F., Baltimore, Md. Pipe-bending tool. 2,356,716; Aug. 22.
Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Bunch softening and shaping mechanism for cigar machines. 2,356,636; Aug. 22.
Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Binder transfer mechanism. 2,356,637; Aug. 22.
White, Gerald. (See Roesch, G. R., and White.)
Whitney, Loren L. (See Aurien, R. G., and Whitney.)
Whittaker, Lloyed E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Belt-pinning machine. 2,356,291; Aug. 22.
Widmayer, John J., Washington, D. C. Plastic floor. 2,356,138; Aug. 22.
Wiggen, Mehemet. (See Shmidl, A. J., and Wiggen.)

Wiggermann, Georg, Gladbach-Rheydt, Germany; vested in the Alien Property Custodian. Warping machine. 2,356,365; Aug. 22.
Wildman, Jack H., San Francisco, Calif. Tire protector device. 2,356,292; Aug. 22.
Williams, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Recovery of finely divided solid materials. 2,356,717; Aug. 22.
Williams, Walter W., Chicago, Ill. Refrigerating apparatus. 2,356,638; Aug. 22.
Willys-Overland Motors, Inc. (See Roos, Delmar G., assignor.)
Wilson, Howard A., Los Angeles, Calif., deceased; L. A. Wilson, administratrix. Tapping machine. 2,356,438; Aug. 22.
Wilson, Lillian A., administratrix. (See Wilson, Howard A.)
Winkler, Carl-Heinz, administrator. (See Hentrich, Winfrid, Kaiser, and Reuss, deceased.)
Wise, Harry L., assignor to Hydraulic Machinery, Inc., Detroit, Mich. Power transmission. 2,366,366; Aug. 22.
Wohnsiedler, Henry P., Darien, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Cationic aminotriazine-aldehyde resin solutions. 2,356,718; Aug. 22.
Wohnsiedler, Henry P., Darien, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Cationic aminotriazine-aldehyde resin solutions. 2,356,719; Aug. 22.
Woitscheck, Arno, Porz, near Cologne, Germany; vested in the Alien Property Custodian. Apparatus for producing matrices in galvanic baths. 2,356,639; Aug. 22.
Wolf, Eugene G., assignor to Landis Machine Company, St. Louis, Mo. Leather stitcher presser foot control. 2,356,293; Aug. 22.
Wolff, Hanns-Heinz, Berlin, Germany; vested in the Alien Property Custodian. Sound absorbing structure. 2,356,640; Aug. 22.
Wölfle, Robert, Berlin-Pankow, Germany; vested in the Alien Property Custodian. Bearing sleeve for rotary spindles in machine tools. 2,356,641; Aug. 22.
Wood, John, Manufacturing Company. (See Woodford, Joseph C., assignor.)
Woodford, Joseph C., Wayne, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Counter resetting mechanism. 2,356,294; Aug. 22.
Wopper, Franz. (See Mayer, F., and Wopper.)
Wright, Donald L., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. High temperature lubricant. 2,356,367; Aug. 22.
Yeomans, Lucien L., Inc. (See Clausen, De Witt, assignor.)
Yingling, Carl S., Metuchen, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Cooling tower. 2,356,192; Aug. 22.
Yost, Kenneth J., Westport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Article classifying device. 2,356,295; Aug. 22.
Young, Eldon W. (See Kendle, J. J., and Young.)
Young, Louis H., West Newton, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor and blade. 2,356,193; Aug. 22.
Zaccagnino, Dominick, Newark, N. J. Musical instrument. 2,356,368; Aug. 22.
Zinn, Manvel K., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective system. 2,356,296; Aug. 22.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for cooling a stream of fluid. M. H. Olstad and A. E. Williams. Re. 22,533; Aug. 22.
Insulating material and making the same, Composite. R. P. Lutz. Re. 22,532; Aug. 22.
Master control for electric seismographs. E. J. Shimek. Re. 22,535; Aug. 22.
Thickness, Measuring. D. G. C. Hare. Re. 22,531; Aug. 22.
Ultraviolet light sources. W. O. Prouty. Re. 22,534; Aug. 22.

LIST OF DESIGN INVENTIONS

Belt or similar article. M. Lichtenstein. 138,617; Aug. 22.
Bench, Pottery mold caster's. L. P. Reese. 138,575; Aug. 22.
Bottle or similar article. G. A. Stevens. 138,604; Aug. 22.
Bottle or similar article of manufacture. J. M. G. Merralls. 138,602; Aug. 22.
Bottle warmer. J. H. Gulick. 138,593; Aug. 22.
Box. S. Orkin. 138,611; Aug. 22.
Brooch or similar article. A. Katz. 138,605; Aug. 22.
Brooch, Separable. A. Katz. 138,612; Aug. 22.
Chain for a bracelet or the like, Link. G. Schmidt. 138,603; Aug. 22.
Coffee maker or the like. P. Schlembohm. 138,561; Aug. 22.
Compact or similar article. H. Morris. 138,598; Aug. 22.
Cutting machine. W. A. Phillis. 138,606; Aug. 22.
Decoy or like figure, Floating. J. F. Buffenbarger. 138,590; Aug. 22.
Decoy or like figure, Floating. W. A. Ringler. 138,600; Aug. 22.
Dispenser, or similar article, Condiment. M. L. Goldbert. 138,568; Aug. 22.
Dress. Z. Golden. 138,608–10; Aug. 22.
Dress. Z. Golden. 138,615–6; Aug. 22.
Dress. K. Rost. 138,588; Aug. 22.
Dress. J. Walker. 138,618; Aug. 22.
Electric sanding machine or the like. S. A. Crosby. 138,567; Aug. 22.
Electron discharge device. C. V. Litton. 138,601; Aug. 22.
Frame, Optical. E. Salvage. 138,576; Aug. 22.
Furnace. E. H. Ryden. 138,614; Aug. 22.
Hammer spur for a pistol or similar article, Offset. J. F. Jack. 138,594–5; Aug. 22.
Hat or similar article. J. Schoer. 138,607; Aug. 22.
Hoist, Pull chain. J. M. Little. 138,597; Aug. 22.
Knife, Universal combat. T. E. Huff. 138,570; Aug. 22.
Needle, Spinal puncture. J. Brandenburg. 138,589; Aug. 22.
Paper weight and photograph mount, Combined. J. A. Morehead. 138,560; Aug. 22.
Radio reminder. S. A. de Waltoff. 138,578; Aug. 22.
Reel, Moving picture film. J. M. Goldberg. 138,559; Aug. 22.
Rivet and collar, Combined. G. S. Wing. 138,579; Aug. 22.
Scabbard for a universal combat knife. T. E. Huff. 138,571; Aug. 22.
Shoe or similar article. S. L. Kleven. 138,573–4; Aug. 22.
Socket, Oarlock. R. E. Curry. 138,591; Aug. 22.
Spoon or other article of flatware. W. S. Warren. 138,562–4; Aug. 22.
Stencil, Electron symbols. G. T. Gillette. 138,592; Aug. 22.
Tablecloth, Lace. F. G. Hobden. 138,580–81; Aug. 22.
Tablecloth, Lace. H. Hooven. 138,582–87; Aug. 22.
Tieback or similar article. H. Tashman. 138,577; Aug. 22.
Tire servicing tool. J. B. Jarrell. 138,572; Aug. 22.
Toolholder, Diamond dressing. J. Krandall. 138,596; Aug. 22.
Toy phonograph. J. E. Adair. 138,565; Aug. 22.
Toy revolver. C. F. Bollmeier. 138,566; Aug. 22.
Valve for mud pump lines. P. M. Rea. 138,599; Aug. 22.
Valve seat and overflow pipe, Combined. W. H. Patten. 138,613; Aug. 22.
Wrench. W. B. Graham. 138,569; Aug. 22.

Wiggermann, Georg, Gladbach-Rheydt, Germany; vested in the Alien Property Custodian. Warping machine. 2,356,365; Aug. 22.
Wildman, Jack H., San Francisco, Calif. Tire protector device. 2,356,292; Aug. 22.
Williams, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Recovery of finely divided solid materials. 2,356,717; Aug. 22.
Williams, Walter W., Chicago, Ill. Refrigerating apparatus. 2,356,638; Aug. 22.
Willys-Overland Motors, Inc. (See Roos, Delmar G., assignor.)
Wilson, Howard A., Los Angeles, Calif., deceased; L. A. Wilson, administratrix. Tapping machine. 2,356,438; Aug. 22.
Wilson, Lillian A., administratrix. (See Wilson, Howard A.)
Winkler, Carl-Heinz, administrator. (See Hentrich, Winfrid, Kaiser, and Reuss, deceased.)
Wise, Harry L., assignor to Hydraulic Machinery, Inc., Detroit, Mich. Power transmission. 2,366,366; Aug. 22.
Wohnsiedler, Henry P., Darien, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Cationic aminotriazine-aldehyde resin solutions. 2,356,718; Aug. 22.
Wohnsiedler, Henry P., Darien, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Cationic aminotriazine-aldehyde resin solutions. 2,356,719; Aug. 22.
Woltscheck, Arno, Porz, near Cologne, Germany; vested in the Alien Property Custodian. Apparatus for producing matrices in galvanic baths. 2,356,639; Aug. 22.
Wolf, Eugene G., assignor to Landis Machine Company, St. Louis, Mo. Leather stitcher presser foot control. 2,356,293; Aug. 22.
Wolff, Hanns-Heinz, Berlin, Germany; vested in the Alien Property Custodian. Sound absorbing structure. 2,356,640; Aug. 22.
Wölfle, Robert, Berlin-Pankow, Germany; vested in the Alien Property Custodian. Bearing sleeve for rotary spindles in machine tools. 2,356,641; Aug. 22.
Wood, John, Manufacturing Company. (See Woodford, Joseph C., assignor.)
Woodford, Joseph C., Wayne, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Counter resetting mechanism. 2,356,294; Aug. 22.
Wopper, Franz. (See Mayer, F., and Wopper.)
Wright, Donald L., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. High temperature lubricant. 2,356,307; Aug. 22.
Yeomans, Lucien L., Inc. (See Clausen, De Witt, assignor.)
Yingling, Carl S., Metuchen, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Cooling tower. 2,356,192; Aug. 22.
Yost, Kenneth J., Westport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Article classifying device. 2,356,295; Aug. 22.
Young, Eldon W. (See Kendle, J. J., and Young.)
Young, Louis H., West Newton, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor and blade. 2,356,193; Aug. 22.
Zaccagnino, Dominick, Newark, N. J. Musical instrument. 2,356,368; Aug. 22.
Zinn, Manvel K., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective system. 2,356,296; Aug. 22.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for cooling a stream of fluid. M. H. Olstad and A. E. Williams. Re. 22,533; Aug. 22.
Insulating material and making the same, Composite. R. P. Lutz. Re. 22,532; Aug. 22.
Master control for electric seismographs. E. J. Shimek. Re. 22,535; Aug. 22.
Thickness, Measuring. D. G. C. Hare. Re. 22,531; Aug. 22.
Ultraviolet light sources. W. O. Prouty. Re. 22,534; Aug. 22.

LIST OF DESIGN INVENTIONS

Belt or similar article. M. Lichtenstein. 138,617; Aug. 22.
Bench, Pottery mold caster's. L. P. Reese. 138,575; Aug. 22.
Bottle or similar article. G. A. Stevens. 138,604; Aug. 22.
Bottle or similar article of manufacture. J. M. G. Merralls. 138,602; Aug. 22.
Bottle warmer. J. H. Gulick. 138,593; Aug. 22.
Box. S. Orkin. 138,611; Aug. 22.
Brooch or similar article. A. Katz. 138,605; Aug. 22.
Brooch, Separable. A. Katz. 138,612; Aug. 22.
Chain for a bracelet or the like, Link. G. Schmidt. 138,603; Aug. 22.
Coffee maker or the like. P. Schlembohm. 138,561; Aug. 22.
Compact or similar article. H. Morris. 138,598; Aug. 22.
Cutting machine. W. A. Phillis. 138,606; Aug. 22.
Decoy or like figure, Floating. J. F. Buffenbarger. 138,590; Aug. 22.
Decoy or like figure, Floating. W. A. Ringler. 138,600; Aug. 22.
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Dress. Z. Golden. 138,608–10; Aug. 22.
Dress. Z. Golden. 138,615–6; Aug. 22.
Dress. K. Rost. 138,588; Aug. 22.
Dress. J. Walker. 138,618; Aug. 22.
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Paper weight and photograph mount, Combined. J. A. Morehead. 138,560; Aug. 22.
Radio reminder. S. A. de Waltoff. 138,578; Aug. 22.
Reel, Moving picture film. J. M. Goldberg. 138,559; Aug. 22.
Rivet and collar, Combined. G. S. Wing. 138,579; Aug. 22.
Scabbard for a universal combat knife. T. E. Huff. 138,571; Aug. 22.
Shoe or similar article. S. L. Kleven. 138,573–4; Aug. 22.
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Tablecloth, Lace. F. G. Hobden. 138,580–81; Aug. 22.
Tablecloth, Lace. H. Hooven. 138,582–87; Aug. 22.
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Tire servicing tool. J. B. Jarrell. 138,572; Aug. 22.
Toolholder, Diamond dressing. J. Krandall. 138,596; Aug. 22.
Toy phonograph. J. E. Adair. 138,565; Aug. 22.
Toy revolver. C. F. Bollmeier. 138,566; Aug. 22.
Valve for mud pump lines. P. M. Rea. 138,599; Aug. 22.
Valve seat and overflow pipe, Combined. W. H. Patten. 138,613; Aug. 22.
Wrench. W. B. Graham. 138,569; Aug. 22.

LIST OF INVENTIONS

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PATENTS WERE ISSUED ON THE 22D DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acceleration of vulcanization. R. A. Mathes and P. C. Jones. 2,356,170; Aug. 22.
Acoustic device. E. E. Mott. 2,356,262; Aug. 22.
Acoustic measurement. N. R. Stryker. 2,356,478; Aug. 22.
Adapter for discharge lamps. C. F. MacCarthy. 2,356,601; Aug. 22.
Adapter for plate and film pack cameras, Photographic roll film. J. F. Stockdale. 2,356,284; Aug. 22.
Adhesive. E. H. Land. 2,356,250; Aug. 22.
Agitator construction. A. H. Gerhardt. 2,356,312; Aug. 22.
Agitator construction. F. L. Rocke. 2,356,353; Aug. 22.
Air tube for pneumatic tires. A. L. Couturier. 2,356,508; Aug. 22.
Aircraft empennage. E. T. Allen and G. S. Schairer. 2,356,139; Aug. 22.
Aircraft, Rotative-winged. H. H. Platt. 2,356,692; Aug. 22.
Airplane pickup mechanism. J. G. Ingres and H. W. Hey. 2,356,671; Aug. 22.
Airplane pitch control. J. S. Morrison. 2,356,339; Aug. 22.
Airplane tank. C. G. Fogle. 2,356,155; Aug. 22.
Alarm for boilers, Low-water. C. K. Steins. 2,356,283; Aug. 22.
Alcohol, Stabilization of polyvinyl. G. S. Stamatoff. 2,356,282; Aug. 22.
Alcohols, Purification of. R. J. Ozol and C. R. Masterson. 2,356,689; Aug. 22.
Alkylation. A. L. Blount. 2,356,374; Aug. 22.
Alpha-hydroxyisobutyric acid esters, Producing unsaturated derivatives of. P. M. Kirk and P. P. McClellan. 2,356,247; Aug. 22.
Alternating current generator. K. S. Dunlap and C. A. Lovell. 2,356,229; Aug. 22.
Alumina (metallurgical grade) from highly siliceous aluminous ores, Manufacture of. G. Gaither. 2,356,157; Aug. 22.
Aluminum silicate pigments and preparing them. L. Balassa. 2,356,297; Aug. 22.
Ammunition attachment for automatic guns, Blank. H. Schmeisser. 2,356,538; Aug. 22.
Ammunition belt for machine guns. C. G. Trimbach. 2,356,725; Aug. 22.
Ammunition priming composition. P. H. Burdett and G. M. Calhoun. 2,356,211; Aug. 22.
Amplification with high efficiency. J. W. McRae. 2,356,331; Aug. 22.
Amplifier circuit. M. E. Campbell. 2,356,446; Aug. 22.
Amplifier for self-synchronous systems, Isolation. B. A. Somers. 2,356,186; Aug. 22.
Amplifier, Wide band. G. L. Fredendall. 2,356,308; Aug. 22.
Angle-of-lead control. W. F. Tufts. 2,356,189; Aug. 22.
Anhydride, Purification of phthalic. K. H. Engel and H. L. Stasse. 2,356,449; Aug. 22.
Apparatus for assembling bicycles. F. W. Schwinn. 2,356,540; Aug. 22.
Apparatus for charging cartridge belts. C. T. Hall. 2,356,158; Aug. 22.
Apparatus for coating. J. O. Amstuz. 2,356,489; Aug. 22.
Apparatus for electrical zeroizing. S. Swedlow. 2,356,187; Aug. 22.
Apparatus for electrolytic production of hydrogen. F. Sledzianowski. 2,356,541; Aug. 22.
Apparatus for forming coils. L. E. Endsley. 2,356,662; Aug. 22.
Apparatus for handling mirrors during processing. R. W. Wampler. 2,356,136; Aug. 22.
Apparatus for injection molding. F. von Opel. 2,356,634; Aug. 22.
Apparatus for making metallic shapes. C. D. Coxe. 2,356,222; Aug. 22.
Apparatus for performing gauging and reproducing operations. L. E. M. Van den Kieboom. 2,356,133; Aug. 22.
Apparatus for precasting concrete piles. D. Marchbanks. 2,356,603; Aug. 22.
Apparatus for producing matrices in galvanic baths. A. Woltscheck. 2,356,639; Aug. 22.
Apparatus for producing third dimensional motion pictures. E. H. Bickley. 2,356,441; Aug. 22.
Apparatus for producing ultra-violet radiation. J. W. Kolbert and F. G. A. Haegele. 2,356,592; Aug. 22.
Apparatus for propelling and steering boats. G. Brase. 2,356,301; Aug. 22.

Apparatus for the absorption of gases in liquids. R. Pilock. 2,356,530; Aug. 22.
Apparatus for the continuous purification of suspensions or sludges, especially of fibre pulps of the paper industry. H. Banning. 2,356,497; Aug. 22.
Apparatus for washing pulp. E. T. Street. 2,356,285; Aug. 22.
Arc-welding equipment. G. A. Hughes. 2,356,320; Aug. 22.
Arm control mechanism, Pickup. J. D. Weaver. 2,356,137; Aug. 22.
Arrangement for measuring frequency characteristics. P. Deserno. 2,356,510; Aug. 22.
Article attaching machine. H. Gunther. 2,356,665; Aug. 22.
Article classifying device. K. J. Yost. 2,356,295; Aug. 22.
Attachment for dredges and similar devices. E. M. Pearson. 2,356,469; Aug. 22.
Automatic gain control and amplitude selection device. A. R. Applegarth, Jr. 2,356,140; Aug. 22.
Automobile body heater. L. M. Payne. 2,356,609; Aug. 22.
Automotive vehicle. P. T. Brantingham. 2,356,375; Aug. 22.
Axle and bearing cooler. J. P. Gaitney. 2,356,578; Aug. 22.
Bag: *See*—
Water bag.
Bandoleer loading tool. J. A. Cook. 2,356,220; Aug. 22.
Bath for textile materials, Washing. A. Volz. 2,356,550; Aug. 22.
Bathing cap. B. Szekeres. 2,356,126; Aug. 22.
Bearing sleeve for rotary spindles in machine tools. R. Wölfle. 2,356,641; Aug. 22.
Beating engine. A. Aeldert. 2,356,555; Aug. 22.
Bed chest. W. A. Irick. 2,356,321; Aug. 22.
Bed cover support. F. W. Coffing. 2,356,219; Aug. 22.
Bed motion mechanism. H. E. Golber. 2,356,156; Aug. 22.
Belt for machine guns, Ammunition. C. G. Trimbach. 2,356,725; Aug. 22.
Belt-pinning machine. L. E. Whittaker. 2,356,291; Aug. 22.
Belts, Making. E. H. Kremer and H. W. Kenney. 2,356,249; Aug. 22.
β-substituted-Δ$^{\alpha\beta}$-butyrolactones and preparing them. R. C. Elderfield and M. Rubin. 2,356,153; Aug. 22.
Blind and curtain support, Combination. R. R. McDonald. 2,356,415; Aug. 22.
Blowpipe apparatus. M. H. Barnes, C. J. Burch, and W. G. Edwards. 2,356,196; Aug. 22.
Blowpipe device. H. W. Jones and W. J. Jacobsson. 2,356,197; Aug. 22.
Boat. H. Persson. 2,356,349; Aug. 22.
Bolt-holding attachment for pliers. A. G. Hanson. 2,356,400; Aug. 22.
Boot, Hiking. J. A. Crotty. 2,356,490; Aug. 22.
Box: *See*—
Paper box. Pill box.
Brake: *See*—
Motor vehicle brake.
Brake. J. A. Forbes. 2,356,233; Aug. 22.
Brake. J. A. Forbes. 2,356,234; Aug. 22.
Brake beam. R. G. Aurien and L. L. Whitney. 2,356,720; Aug. 22.
Brake hanger. D. M. Light. 2,356,724; Aug. 22.
Braun tube. M. Messner. 2,356,418; Aug. 22.
Bread wrapping machine. C. Arelt. 2,356,644; Aug. 22.
Breech device for firearms. J. Koucky. 2,356,595; Aug. 22.
Bucket, Clamshell. E. H. Lichtenberg. 2,356,255; Aug. 22.
Bunch softening and shaping mechanism for cigar machines. H. H. Wheeler. 2,356,636; Aug. 22.
Bundle handling mechanism for coiled material. J. M. Roltz. 2,356,698; Aug. 22.
Bundle, Rail anchor shipping. H. G. Warr. 2,356,552; Aug. 22.
Bus construction. J. J. Sileck. 2,356,708; Aug. 22.
Cabinet. C. L. O'Reilly. 2,356,688; Aug. 22.
Calculating machine. C. F. Webb. 2,356,714; Aug. 22.
Calendar. M. E. Trollen. 2,356,132; Aug. 22.
Camera. W. C. Thompson. 2,356,363; Aug. 22.
Camera, Roll film. W. Bäumgartner. 2,356,560; Aug. 22.
Can filling apparatus. C. H. Ayars. 2,356,142; Aug. 22.
Cannon, Flying. G. P. Kimmel. 2,356,674; Aug. 22.

Cap: *See*—
Bathing cap. Electric blasting cap.
Cap removers to bottles or like containers, Method and apparatus for applying. M. H. Hill. 2,356,319; Aug. 22.
Capsulating machine. R. P. Scherer. 2,356,436; Aug. 22.
Car: *See*—
Shuttle car. Tow railway car.
Carbon black, Making fine particle size. J. Rehner, Jr. 2,356,471; Aug. 22.
Card register. G. L. Anderson and F. C. Ryan. 2,356,495; Aug. 22.
Carpets, linings, or the like, Manufacture of. J. Mercier. 2,356,527; Aug. 22.
Carriage control for accounting machines. H. Rauh. 2,356,429; Aug. 22.
Carroting and composition therefor. W. C. Mercier. 2,356,681; Aug. 22.
Carrying agent for spice oils and preparing same. R. O. Brown and C. G. Harrel. 2,356,501; Aug. 22.
Cartridge feed and firing mechanism. H. da Costa. 2,356,304; Aug. 22.
Catadioptric lens. P. A. Cullman. 2,356,654; Aug. 22.
Catalytic process for the treatment of hydrocarbon oils. G. C. Connolly. 2,356,303; Aug. 22.
Catalytic reactions. J. V. Marancik and E. J. Gohr. 2,356,680; Aug. 22.
Cationic aminotriazine-aldehyde resin solutions. H. P. Wohnsiedler and W. M. Thomas. 2,356,718–19; Aug. 22.
Cellulose acetate, Treatment of. G. Schneider. 2,356,277; Aug. 22.
Cellulose ester, Production of. H. Dreyfus. 2,356,228; Aug. 22.
Celluloses materials by means of diluted mineral acids, Saccharifying. F. C. Boinot. 2,356,500; Aug. 22.
Cellulosic textile materials, Treatment of. J. H. MacGregor. 2,356,677; Aug. 22.
Centrifugal chuck. J. L. Johnston. 2,356,245; Aug. 22.
Ceramic shaped bodies, especially clay tiles, Method and apparatus for the production of. W. Avenhaus. 2,356,496; Aug. 22.
Chain saw construction. D. J. Smith. 2,356,437; Aug. 22.
Chair: *See*—
Posture chair.
Change-over device for circular weaving looms. H. Pelcé. 2,356,425; Aug. 22.
Change-speed gear. T. Kummich. 2,356,522; Aug. 22.
Chemical compounds. W. E. Messer. 2,356,682; Aug. 22.
Chemical process and products. R. K. Iler. 2,356,161; Aug. 22.
Chip separator. W. M. McKenzie. 2,356,465; Aug. 22.
Chocolate manufacture. J. G. Rubens. 2,356,181; Aug. 22.
Circuit: *See*—
Amplifier circuit. Synchronizing circuit.
Gaseous discharge tube circuit. Temperature control circuit.
Clamping device. W. H. Baumgard. 2,356,440; Aug. 22.
Classifying process and apparatus. J. A. Brusset. 2,356,648; Aug. 22.
Clip: *See*—
Shell clip.
Clutch diaphragm spring. H. Gass. 2,356,310; Aug. 22.
Coating device. M. V. Hamilton. 2,356,666; Aug. 22.
Coiled metallic strip material from rolling mills, Method and apparatus for determining the average thickness of the entire width of. H. A. Dauel, Jr., and G. H. Krapf. 2,356,660; Aug. 22.
Communication system. F. A. Hubbard. 2,356,519; Aug. 22.
Comparator, Optical. H. Roger. 2,356,274; Aug. 22.
Composition and process. A. F. Wendler. 2,356,290; Aug. 22.
Composition of matter. R. A. Mathes and P. C. Jones. 2,356,604; Aug. 22.
Composition for use in detergents, Making a. H. G. Bissinger. 2,356,443; Aug. 22.
Composition of matter. R. A. Mathes. 2,356,171; Aug. 22.
Compounds of nicotine. C. R. Smith. 2,356,185; Aug. 22.
Conduit support. R. L. Hayman. 2,356,318; Aug. 22.
Connection plug. L. A. Battermann. 2,356,199; Aug. 22.
Connector: *See*—
Hose coupling.
Construction unit. G. W. Garbe. 2,356,309; Aug. 22.
Container: *See*—
Dispensing container. Motor oil container.
Labeled container.
Container and package. G. J. Datz. 2,356,656; Aug. 22.
Container sealing machine. C. W. Rothaug. 2,356,472; Aug. 22.
Control apparatus for highway crossing signals. F. T. Fereday. 2,356,453; Aug. 22.
Control device for furnaces. M. Z. von Manteuffel. 2,356,135; Aug. 22.
Control device for once-through vapor generators. F. Riedel. 2,356,533; Aug. 22.
Control for injectors or internal combustion engines, Electro-magnetic. O. Fuscaldo. 2,356,577; Aug. 22.
Control system. W. D. Cockrell. 2,356,567; Aug. 22.
Control system. H. H. Gorrie. 2,356,580; Aug. 22.
Controlled cycle relief valve. A. D. Krugler. 2,356,410; Aug. 22.
Cooler: *See*—
Axle and bearing cooler.
Cooler and purifier, Air. J. N. Fulcher. 2,356,235; Aug. 22.
Copper from printing plates and the like, Separation and reclamation of. A. E. Lundbye. 2,356,329; Aug. 22.
Coppers, Preparing soldering. L. N. Hampton. 2,356,583; Aug. 22.
Cord, Adjustable. A. Brilhart. 2,356,209; Aug. 22.
Counter resetting mechanism. J. C. Woodford. 2,356,294; Aug. 22.
Coupling: *See*—
Fluid coupling.
Coupling. J. P. Johnson. 2,356,322; Aug. 22.
Coupling device with rubber balls, Elastic. M. Dornig. 2,356,572; Aug. 22.
Covering element. P. G. Deuchler. 2,356,570; Aug. 22.
Cowl fastener. J. H. Johnson and C. M. Palmer. 2,356,162; Aug. 22.
Cowl fastener and installation thereof, Shiftable. W. I. Jones. 2,356,412; Aug. 22.
Crushing machine. H. G. Edwards. 2,356,122; Aug. 22.
Cushioning device for car truck center bearings. L. B. Jones. 2,356,246; Aug. 22.
Cutting device. V. Capolupo. 2,356,378; Aug. 22.
Cyclic anidines, Manufacture of. P. Schlack. 2,356,622; Aug. 22.
Cyclic ketals of 3-keto-17-oxy-cythrenes and preparing 3-keto-17-oxy-cythrenes. E. Fernholz. 2,356,154; Aug. 22.
Cyclohexane, Production of. M. L. Hamlin. 2,356,240; Aug. 22.
Cyclo-polymethyleno-meta-dioxanes. L. A. Mikeska and E. Arundale. 2,356,683; Aug. 22.
Damper, Vibration. R. R. R. Sarazin. 2,356,435; Aug. 22.
Darning device for use with sewing machines. W. Hofgesang. 2,356,723; Aug. 22.
Deicer for supercharger aircraft carburetor. W. H. Allen. 2,356,370; Aug. 22.
Denture repairing device. A. B. Cline. 2,356,447; Aug. 22.
Developing process. J. Rzymkowski. 2,356,536; Aug. 22.
Device for light effects for imitating falling snow and the like. G. Weiss. 2,356,191; Aug. 22.
Device for measuring liquid levels in container. H. O. Parsons. 2,356,347; Aug. 22.
Device to prevent clogging of screens. A. Kardos. 2,356,323; Aug. 22.
Device for the continuous cleavage of fats, oils, and similar substances. G. P. G. Stalmann. 2,356,628; Aug. 22.
Dewaxing process. J. W. Packie, J. D. Long, and P. W. Cornell. 2,356,346; Aug. 22.
D[illegible]forging the cutting faces of rock drill bits. S. P. [illegible]mphrey. 2,356,520; Aug. 22.
Direct-current instrument, Quick response. T. A. Rich. 2,356,617; Aug. 22.
Diseases of plants, Process and products for overcoming the cryptogamic. H. Bernat. 2,356,299; Aug. 22.
Dispensing container. C. F. Proudman and F. C. Walters. 2,356,179; Aug. 22.
Door handle assembly. R. H. Dean. 2,356,658; Aug. 22.
Draw works. C. M. Anderson. 2,356,371; Aug. 22.
Drawer construction. E. C. Bullock. 2,356,650; Aug. 22.
Drive for vehicles, Steering wheel. B. W. Keese. 2,356,164; Aug. 22.
Dyes, Cyanine. L. G. S. Brooker and R. H. Sprague. 2,356,445; Aug. 22.
Educational device for demonstrating nutritional food and food ingredient comparisons. E. Bennett. 2,356,561; Aug. 22.
Edge gauging mechanism. E. L. Butler. 2,356,213; Aug. 22.
Electric blasting cap. A. B. Miller. 2,356,337; Aug. 22.
Electric control device, Liquid operated. W. Koeppe and G. Kodal. 2,356,593; Aug. 22.
Electric ignition system and apparatus. J. A. Laird. 2,356,676; Aug. 22.
Electric motor control unit. W. P. Lear. 2,356,253; Aug. 22.
Electric regulator. L. R. Nixon. 2,356,341; Aug. 22.
Electric switch. H. Olken. 2,356,174; Aug. 22.
Electric switch. R. N. Thomas and T. I. Maslin. 2,356,631; Aug. 22.
Electric valve circuits. K. Hessenberg. 2,356,589; Aug. 22.
Electrical regulator. J. L. Stratton. 2,356,629; Aug. 22.
Electrical socket and contact for the same. E. E. Hannigan. 2,356,398; Aug. 22.
Electrical switching. R. E. Graham. 2,356,514; Aug. 22.
Electrically operated window regulator. E. L. Ackerman and A. V. Crump. 2,356,642; Aug. 22.
Electrolytic production of unsaturated ketols. A. Krámli and L. Vargha. 2,356,596; Aug. 22.
Electromotor-driven mechanical stoker. J. H. Jacobsen. 2,356,590; Aug. 22.
Electron switching for speed control circuits. J. W. Cox. 2,356,221; Aug. 22.
Electronic discharge device. J. E. Clark, J. V. Domaleski, and V. L. Ronci. 2,356,566; Aug. 22.

Engine: *See*—
Heating engine. Rotary steam engine.
Engine blower control. D. F. Carls and A. D. McDuffie. 2,356,379; Aug. 22.
Engine governor. M. Mallory. 2,356,679; Aug. 22.
Eraser for mechanical pencils. M. E. Savoie. 2,356,474; Aug. 22.
Exercising device. W. H. Maxwell. 2,356,260; Aug. 22.
Exhibitor, Animated. A. E. Walbridge. 2,356,288; Aug. 22.
Explosive composition and method, Blasting. C. O. Davis. 2,356,149; Aug. 22.
Extrusion-molding method. C. C. Misfeldt. 2,356,338; Aug. 22.
Fabric, Coating. E. A. Rodman. 2,356,354; Aug. 22.
Fabric, Decorated. G. R. Cunnington. 2,356,225; Aug. 22.
Fabric tube and making the same, Woven. R. Orgass. 2,356,342; Aug. 22.
Facet forming machine, Automatic. A. Simons. 2,356,184; Aug. 22.
Facing tool. D. Seiter. 2,356,359; Aug. 22.
Facsimile transmission system and the like. R. M. Sprague. 2,356,361; Aug. 22.
Fade-outs by aftertreatment, Making. P. S. Aex and C. H. Guell. 2,356,439; Aug. 22.
Fastener: *See*—
Cowl fastener.
Fastener. I. Rossi and P. F. Rossmann. 2,356,619; Aug. 22.
Fastener secured installation and fastener therefor. H. J. Murphy. 2,356,422; Aug. 22.
Feed water for boilers, Softening. K. Hermes. 2,356,405; Aug. 22.
Feeding device. M. S. Evans and E. C. Stolberg. 2,356,451; Aug. 22.
Feeding device for pumps. M. W. Huber. 2,356,243; Aug. 22.
Fermentation process for production of ethanol. L. M. Christensen. 2,356,218; Aug. 22.
Filling apparatus for tractor gasoline tanks. F. T. Ranney. 2,356,428; Aug. 22.
Filling machine. W. Pechy. 2,356,176; Aug. 22.
Finishing tool. D. J. King. 2,356,165; Aug. 22.
Firearm. C. C. Loomis. 2,356,256; Aug. 22.
Firearm. C. C. Loomis. 2,356,491; Aug. 22.
Firearm. K. J. Lowe. 2,356,257; Aug. 22.
Firearm. E. G. Reising. 2,356,726–7; Aug. 22.
Firebox, Locomotive boiler. G. J. Christenson. 2,356,216; Aug. 22.
Firebox, Locomotive boiler. A. W. Nelson. 2,356,263–4; Aug. 22.
Firing mechanism for automatic arms. G. Revelli. 2,356,615; Aug. 22.
Fixture element. P. B. Shafler. 2,356,703; Aug. 22.
Flange hold-in device for wrapping machines. O. Sandberg. 2,356,537; Aug. 22.
Flare gun. J. R. Smith. 2,356,709; Aug. 22.
Flash hider. E. G. Reising. 2,356,728; Aug. 22.
Flour, Improving the baking quality of. E. Waldschmidt and A. Bayer. 2,356,635; Aug. 22.
Fluid actuated switch. L. C. Pierson. 2,356,177; Aug. 22.
Fluid coupling. H. C. Swift. 2,356,125; Aug. 22.
Fluid regulating device. T. A. Baker. 2,356,143; Aug. 22.
Floors, Plastic. J. J. Widmayer. 2,356,138; Aug. 22.
Fluorography, Method and apparatus for. W. B. Ferguson. 2,356,454; Aug. 22.
Foldable music stand. M. Rapfogel. 2,356,532; Aug. 22.
Foodstuffs, Preserving. A. Bargeboer. 2,356,498; Aug. 22.
Formula for a composition of ceramic matter. R. Casciani. 2,356,214; Aug. 22.
4-mercaptobenzenesulphonamide. E. H. Northey. 2,356,265; Aug. 22.
Frame and chassis, Combined vehicle body. A. R. Perkins. 2,356,690; Aug. 22.
Frequency and voltage regulator. W. C. Grabau. 2,356,397; Aug. 22.
Frequency control system. C. Travis. 2,356,483; Aug. 22.
Fuel injection system for multicylinder internal-combustion engines, Liquid. W. Volt. 2,356,134; Aug. 22.
Fuel, Safety. C. L. Brown. 2,356,647; Aug. 22.
Fuels, Motor. S. Shappirio. 2,356,476; Aug. 22.
Fuse construction. R. R. Pittman. 2,356,352; Aug. 22.
Gaff hook. J. D. Tessier. 2,356,712; Aug. 22.
Galvanometer. L. O'Bryan. 2,356,608; Aug. 22.
Game. A. Pitar. 2,356,531; Aug. 22.
Gaseous discharge tube circuit. D. W. Abernathy. 2,356,369; Aug. 22.
Gasoline tank fitting. W. A. Lebus. 2,356,326; Aug. 22.
Gauge: *See*—
Liquid level gauge. Pressure gauge.
Gauging apparatus. H. E. House. 2,356,242; Aug. 22.
Gauging device. A. F. Gagne, Jr. 2,356,236; Aug. 22.
Gear: *See*—
Change-speed gear.
Gear teeth, Heat treatment of. F. S. Denneen and W. C. Dunn. 2,356,150; Aug. 22.
Generator: *See*—
Alternating current generator.
Glass enamel composition. C. J. Harbert and R. F. Morrison. 2,356,316–17; Aug. 22.
Glass grinding apparatus. G. R. Roesch and G. White. 2,356,433; Aug. 22.
Glass refractor, Activated gauge. R. J. Pelunis. 2,356,267; Aug. 22.
Glucosidic compounds and making them. A. Chwala. 2,356,565; Aug. 22.
Governor spring structure. W. E. Benjamin. 2,356,202; Aug. 22.
Gramophone pickup arm. R. E. Martin. 2,356,467; Aug. 22.
Grate for stokers, Traveling. R. L. Beers. 2,356,144; Aug. 22.
Grating. H. H. Bunker. 2,356,502; Aug. 22.
Grease, Low temperature. R. A. Gerlicher and J. H. Bannon. 2,356,313; Aug. 22.
Grenade, Demolition. J. B. Decker and M. Eichschmidt. 2,356,389; Aug. 22.
Grinder attachment. C. A. Olson, C. V. Lisle, and T. E. Brooks. 2,356,175; Aug. 22.
Grinding machine. J. I. Garside. 2,356,394; Aug. 22.
Guard. J. P. Barry and C. C. Avery. 2,356,198; Aug. 22.
Hand-supported liquid dispensing pad. C. C. Harris. 2,356,722; Aug. 22.
Hanger: *See*—
Brake hanger.
Hardeners for photographic processing solutions. C. J. Staud and C. S. Popper. 2,356,477; Aug. 22.
Harness, Leash. R. C. Webster. 2,356,715; Aug. 22.
Heater: *See*—
Automobile body heater.
Heater. E. G. and R. J. Siegler. 2,356,705; Aug. 22.
Heating unit. R. F. Geller. 2,356,237; Aug. 22.
High frequency radio tube. C. D. Kentner. 2,356,230; Aug. 22.
Holder: *See*—
Photographic filter holder. Work holder.
Reversible tap holder.
Holder or cup for catalytic lighters. G. P. Schmitt. 2,356,356; Aug. 22.
Hole intermitter, Bottom. C. M. O'Leary. 2,356,423; Aug. 22.
Honing machine. G. Crompton, Jr. 2,356,223; Aug. 22.
Honing machine. W. S. Reynolds and J. R. Turner. 2,356,272; Aug. 22.
Hook: *See*—
Gaff hook. Pelican hook.
Hops, Method and apparatus for cropping. V. Sykora. 2,356,545; Aug. 22.
Hose connector. A. J. Matter. 2,356,333; Aug. 22.
Hurdle washer. D. D. Cox. 2,356,653; Aug. 22.
Hydraulic control system for excavating cranes. J. D. Hale. 2,356,517; Aug. 22.
Hydrocarbon fluids, Treating. G. A. Rial. 2,356,697; Aug. 22.
Hydrocarbon fluids, Treating. W. H. Rupp and C. T. Harding. 2,356,700; Aug. 22.
Hydrocarbon fractions, Treatment of. C. H. Schlesman and J. H. McCracken. 2,356,357; Aug. 22.
Hydrocarbon hydrates, System for forming and storing. A. J. L. Hutchinson. 2,356,407; Aug. 22.
Hydrocarbons, Aromatizing. R. F. Ruthruff. 2,356,701; Aug. 22.
Hydrocarbons, Catalytic conversion of. K. Peters. 2,356,611; Aug. 22.
Hydrocarbons, Isomerization of. J. D. Upham. 2,356,487; Aug. 22.
Hydrocarbons, Treatment of. A. Szayna. 2,356,711; Aug. 22.
Hydrogen chloride, Storing and concentrating anhydrous. A. H. Maude and D. S. Rosenberg. 2,356,259; Aug. 22.
Hydrogen chloride, Storing and concentrating anhydrous. A. H. Maude and D. S. Rosenberg. 2,356,334; Aug. 22.
Hydrogen chloride, Storing and concentrating anhydrous. S. G. Osborne and A. H. Maude. 2,356,345; Aug. 22.
Hydrophilic polymerization products of the superpolyamide type, Manufacture of. M. Hagedorn. 2,356,516; Aug. 22.
Increasing the retention capacity of the sealing surface of artificial porcelain teeth. P. J. J. Gonon. 2,356,513; Aug. 22.
Indicating device, Number. O. S. A. Mesch. 2,356,335; Aug. 22.
Indicator: *See*—
Selective fuel tank content indicator.
Injection mold. E. Hempel. 2,356,585; Aug. 22.
Insulation cutting device. E. Lindgren. 2,356,328; Aug. 22.
Intermediates for dyestuffs. P. De Smet and W. Mees. 2,356,569; Aug. 22.
Internal-combustion engine installation. A. H. R. Fedden and F. M. Thomas. 2,356,452; Aug. 22.
Interruption injection pump. N. N. Skaredoff. 2,356,627; Aug. 22.
Isomerization process, Novel. A. Voorhies, Jr. 2,356,190; Aug. 22.
Jack for motor vehicles, Lifting. C. Schmitt. 2,356,623; Aug. 22.

Jacket, Releasable plug. F. C. Schueler. 2,356,278; Aug. 22.
Joint for oil-insulated high-tension cables. C. F. Proos. 2,356,614; Aug. 22.
Labeled container. C. L. Hansen. 2,356,399; Aug. 22.
Lactones, Preparation of beta. F. E. Küng. 2,356,459; Aug. 22.
Lamination and manufacture, Shatterproof. E. H. Land. 2,356,252; Aug. 22.
Landing gear for aircraft. S. M. Parker. 2,356,468; Aug. 22.
Lens, Electronic. E. Ruska. 2,356,535; Aug. 22.
Lifeboats, Protecting and launching device for. T. Schröder-Nielsen. 2,356,539; Aug. 22.
Light control means. J. R. Baisley. 2,356,195; Aug. 22.
Light control device. W. B. Poynter. 2,356,178; Aug. 22.
Light-polarizing material, Manufacturing. E. H. Land. 2,356,251; Aug. 22.
Liquid level gauge. W. B. Connolly and G. E. Ford. 2,356,652; Aug. 22.
Liquid measuring and dispensing apparatus. C. Z. Monroe. 2,356,420; Aug. 22.
Liquid meter. R. E. Risser, Jr. 2,356,273; Aug. 22.
Liquid substances, Process and apparatus for comminuting. O. Landgraf. 2,356,599; Aug. 22.
Liquids, Method of and apparatus for proportioning. L. G. M. Timpson. 2,356,286; Aug. 22.
Liquor, Decomposition of sodium aluminate. H. Tiedemann. 2,356,547; Aug. 22.
Lock: *See*—
Sash lock.
Lock for drydocks and other basins, Canal. J. Lipsky. 2,356,523; Aug. 22.
Lock washer construction. C. F. Janacek and L. Chapman. 2,356,673; Aug. 22.
Locking device. W. A. Heidman and W. A. Heidman, Jr. 2,356,403; Aug. 22.
Locking device. F. J. Rouan and B. Knauer. 2,356,699; Aug. 22.
Locomotive front end. G. J. Christenson. 2,356,217; Aug. 22.
Lubricant. R. M. Thomas and W. J. Sparks. 2,356,127; Aug. 22.
Lubricant, High temperature. D. L. Wright. 2,356,367; Aug. 22.
Machine control means. C. B. Ogilvie, W. E. Nickell and L. E. Colley. 2,356,266; Aug. 22.
Machine for bevelling the edges of lenses. E. O. Kollmorgen. 2,356,488; Aug. 22.
Machine for collecting fish. P. Danielsson. 2,356,655; Aug. 22.
Machine for milling the flanges of airplane wing spars. E. J. E. Dewoitine. 2,356,571; Aug. 22.
Machine for treating soles. O. H. Osbeck. 2,356,344; Aug. 22.
Machine tool. G. A. Chandler. 2,356,651; Aug. 22.
Machining explosive and apparatus therefor, M. B. Hesslein and A. T. Anderson. 2,356,159; Aug. 22.
Magnesium products, Manufacture of. G. H. Gloss and R. E. Clarke. 2,356,395; Aug. 22.
Magnetic separator. R. J. Linney. 2,356,463; Aug. 22.
Magnetic sound recording and reproducing. S. J. Begun. 2,356,145; Aug. 22.
Magnetic toggle overload release. E. H. Birdsall. 2,356,204; Aug. 22.
Mandrel. J. Majors. 2,356,678; Aug. 22.
Manganese in metal state and pure manganese dioxide if desired from manganese ores, Producing. P. Guareschi. 2,356,515; Aug. 22.
Marking device for recording cards. T. I. Malmer. 2,356,332; Aug. 22.
Massive inorganic bodies hydrophobic, Rendering. C. K. Sloan. 2,356,542; Aug. 22.
Measuring device. P. H. Burdett, W. S. Reynolds, and J. R. Turner. 2,356,212; Aug. 22.
Mechanical pencil and making same. F. C. Deli. 2,356,509; Aug. 22.
Memorandum appliance. J. C. S. Branson. 2,356,646; Aug. 22.
Mercury ampere-hour meter. A. F. H. Poncet. 2,356,613; Aug. 22.
Metal rings to paper bottles, Attaching. W. and H. H. Pelzer. 2,356,470; Aug. 22.
Metals, Cathodic treatment of. J. Frasch. 2,356,575; Aug. 22.
Metals, Purifying. R. Perrin. 2,356,529; Aug. 22.
Meter: *See*—
Peak demand meter.
Mercury ampere-hour meter.
Microscope, Electronic. M. von Ardenne. 2,356,633; Aug. 22.
Microscope, Electronic. B. von Borries, H. O. Müller, and E. Ruska. 2,356,551; Aug. 22.
Mirror, Prismoidal rearview. G. E. Roedding. 2,356,432; Aug. 22.
Modulation system, Wave length. J. L. Finch. 2,356,390; Aug. 22.
Mold: *See*—
Injection mold.
Mold manufacture. R. G. Chollar. 2,356,380; Aug. 22.
Motor oil container. A. G. Hatch. 2,356,401; Aug. 22.
Motor vehicle brake. P. Martin. 2,356,258; Aug. 22.
Mounting: *See*—
Ophthalmic mounting. Spindle mounting.
Mounting of window glass in vehicle wall structure. E. Speed. 2,356,123; Aug. 22.
Movement determining mechanism. W. L. McKelvey. 2,356,167; Aug. 22.
Musical instrument. D. Zaccagnino. 2,356,368; Aug. 22.
Nickel salts, Purification of. H. M. Shepard and C. A. Knierim. 2,356,183; Aug. 22.
Nozzle construction, Hydrocarbon fuel burner. O. Fortis. 2,346,307; Aug. 22.
Nozzle for duodenal pump tubes. C. de Paiva Aguiar. 2,356,659; Aug. 22.
Oil-bearing strata, Increasing productivity of subterranean. C. M. Blair, Jr., and S. Lehmann, Jr. 2,356,205; Aug. 22.
Oil, Lubricating. F. B. Downing and H. M. Fitch. 2,356,661; Aug. 22.
Oil well pump and the like. R. L. Chenault. 2,356,504; Aug. 22.
Oils and resin products resulting therefrom, Treatment of resin. E. L. Cline. 2,356,384; Aug. 22.
Oils, Catalytic cracking of hydrocarbon. G. Free, W. V. Fuener, and O. Goehre. 2,356,576; Aug. 22.
Oils, Compounded. G. L. Neely and F. W. Kavanagh. 2,356,685; Aug. 22.
Oils, Refining of mineral. A. J. Schmidl and M. Wiggen. 2,356,704; Aug. 22.
Olefin-diolefin copolymers. R. M. Thomas and W. J. Sparks. 2,356,130; Aug. 22.
Olefinic polymerization process and product. W. J. Sparks and R. M. Thomas. 2,356,129; Aug. 22.
Olefinic polymerization process and product, Mixed. R. M. Thomas and W. J. Sparks. 2,356,128; Aug. 22.
Olive processing. E. Van Dellen and R. N. Ball. 2,356,287; Aug. 22.
Opaque layers, similar to enamel, on aluminum and its alloys, Electrolytic production of. C. Sonnino and A. Sassetti. 2,356,543; Aug. 22.
Operating mechanism for clutches. R. Lang and K. Maybach. 2,356,598; Aug. 22.
Ophthalmic mounting. C. O. Cozzens and E. M. Splaine. 2,356,148; Aug. 22.
Optical filter and producing same. R. S. Potter and J. M. Cents. 2,356,694; Aug. 22.
Organic liquids, Purification of. J. A. Patterson. 2,356,348; Aug. 22.
Oscillator arrangement. H. W. Koren. 2,356,248; Aug. 22.
Packing device. J. J. Fitzpatrick. 2,356,232; Aug. 22.
Pad: *See*—
Hand-supported liquid dispensing pad.
Paper box. S. R. Arner. 2,356,194; Aug. 22.
Paper, Making sheets of paper. M. O. Strandberg. 2,356,362; Aug. 22.
Parachute. P. F. Smith. 2,356,493; Aug. 22.
Parachute canopy, Controlled. F. G. Manson and J. J. Maskey. 2,356,169; Aug. 22.
Peak demand meter. T. A. Rich. 2,356,616; Aug. 22.
Pelican hook. F. C. Simonds. 2,356,279; Aug. 22.
Perforator, Gun. E. F. Raymond. 2,356,430; Aug. 22.
Perforator, Retrievable gun. E. F. Raymond. 2,356,431; Aug. 22.
Phenolic and naphtholic couplers containing sulphonamide groups. K. Schinzel. 2,356,475; Aug. 22.
Phosphatides, Purification of. A. Christiansen. 2,356,382; Aug. 22.
Photoelectric apparatus for measuring color and turbidity. T. R. Gillett, P. F. Meads, and A. L. Holven. 2,356,238; Aug. 22.
Photoelectric exposure control. B. E. Luboshez. 2,356,464; Aug. 22.
Photographic filter holder. B. C. Hineline and F. Knoepke. 2,356,668; Aug. 22.
Photographic justifying apparatus. K. W. Schade. 2,356,620; Aug. 22.
Photoprinting device. H. Cooley. 2,356,385; Aug. 22.
Pictures, Making composite. C. G. Clarke. 2,356,383; Aug. 22.
Pig iron and steel, Directly producing. J. Lohse. 2,356,524; Aug. 22.
Pill box. B. J. van den Dool. 2,356,632; Aug. 22.
Pin and bushing lock for die sets. F. C. Danneman. 2,356,387; Aug. 22.
Pipe-bending tool. E. F. Wheeler. 2,356,716; Aug. 22.
Pipe, Tobacco. R. E. Sadtler. 2,356,355; Aug. 22.
Piston and cylinder system. P. Descourtis. 2,356,511; Aug. 22.
Plant, Marine power. H. Tailleferre. 2,356,546; Aug. 22.
Plastic washing apparatus. H. A. Kuntz. 2,356,411; Aug. 22.
Plate, Building. A. Schumann. 2,356,625; Aug. 22.
Plate clamp for printing cylinders. C. S. Crafts. 2,356,305; Aug. 22.
Plotting instrument. L. Maness. 2,356,525; Aug. 22.
Plug: *See*—
Connection plug.
Polymerization of cyclopentadiene type compounds. S. G. Tropp. 2,356,494; Aug. 22.
Polyphenylol alkane resins. J. W. Eastes. 2,356,151; Aug. 22.
Posture chair. R. A. Cramer. 2,356,507; Aug. 22.

Power-operated mitering and beveling tool. H. F. Penney. 2,356,610; Aug. 22.
Power saw setting apparatus. B. G. Daggett. 2,356,448; Aug. 22.
Power transmission. H. L. Wise. 2,356,366; Aug. 22.
Preheater. R. E. Frickey. 2,356,393; Aug. 22.
Press attachment. A. C. Boettcher. 2,356,300; Aug. 22.
Presser foot control, Leather stitcher. E. G. Wolf. 2,356,293; Aug. 22.
Presser head for egg opening machines. L. M. Sigler. 2,356,707; Aug. 22.
Pressure gauge. G. C. R. Birch. 2,356,442; Aug. 22.
Pressure hinged lever system for cylinders of sliver or lap drawing frames for use in spinning textile fibers of various kinds. L. Marzoli. 2,356,416; Aug. 22.
Prewelt lasting machine. E. A. Holmgren. 2,356,241; Aug. 22.
Priming composition. W. Brün. 2,356,210; Aug. 22.
Printing machine. M. S. Gudger. 2,356,315; Aug. 22.
Printing machine drive. A. J. Horton. 2,356,160; Aug. 22.
Printing paste, Stabilized diazo. S. S. Rossander, C. E. Sparks, and C. W. Maynard, Jr. 2,356,618; Aug. 22.
Process to lower the reflection of optically active surfaces. G. J. Weissenberg. 2,356,553; Aug. 22.
Projectile. E. S. Diehl. 2,356,227; Aug. 22.
Projectile loading. F. W. Snodgrass. 2,356,281; Aug. 22.
Protective means for electrical contacts. R. Lee and F. E. Broberg. 2,356,166; Aug. 22.
Protective system. M. K. Zinn. 2,356,296; Aug. 22.
Pulp screen. H. D. Wells. 2,356,289; Aug. 22.
Pump: *See*—
Interruption injection pump.
Pump anchor mechanism. C. E. Bridwell. 2,356,208; Aug. 22.
Pump control mechanism. F. P. Davis. 2,356,306; Aug. 22.
Pumping mechanism. C. E. Bridwell. 2,356,207; Aug. 22.
Pusher mechanism for tractors. A. Lentz. 2,356,600; Aug. 22.
Quaternary ammonium compounds. W. Hentrich, W. Kaiser, and W. Reuss. 2,356,587; Aug. 22.
Radio remote control receiver. R. S. Tice. 2,356,364; Aug. 22.
Radiographs, Making industrial. J. G. Schneeman. 2,356,358; Aug. 22.
Rails for model railways, Making. D. E. Priest. 2,356,695; Aug. 22.
Raw aluminates of lime in water and recovering alumina from such solutions, Dissolving. J. C. Scailles. 2,356,626; Aug. 22.
Rayon, Production of wool-like. G. Heberlein. 2,356,518; Aug. 22.
Razor and blade, Safety. L. H. Young. 2,356,193; Aug. 22.
Razor, Safety. G. Monnet. 2,356,173; Aug. 22.
Razor, Safety. N. Testi. 2,356,188; Aug. 22.
Reaction propelling device with supercharged engine. R. Anxionnaz and R. Imbert. 2,356,557; Aug. 22.
Receptacles, Manufacture of rectangular restricted opening sheet metal. J. H. Gonda. 2,356,457; Aug. 22.
Records on film, Producing sound. R. Gorisch. 2,356,664; Aug. 22.
Rectifier device, Dry. H. Herrmann. 2,356,588; Aug. 22.
Rectifying system, Voltage regulated. J. A. Potter. 2,356,269; Aug. 22.
Refrigerating apparatus. W. W. Williams. 2,356,638; Aug. 22.
Refrigeration. W. L. McGrath. 2,356,261; Aug. 22.
Regulator: *See*—
Electric regulator. Frequency and voltage regulator.
Electrically operated window regulator.
Regulator. S. W. E. Andersson. 2,356,556; Aug. 22.
Relay, Overload. M. E. Berman. 2,356,373; Aug. 22.
Resins, Polyvinyl acetal. D. R. Swan. 2,356,479–80; Aug. 22.
Resins, Preparation of synthetic. H. Berg and H. Mader. 2,356,562; Aug. 22.
Resins, Water-soluble. J. G. McNally and F. C. Duennebier. 2,356,466; Aug. 22.
Resonant cavity device, Tunable. E. G. Linder. 2,356,414; Aug. 22.
Retarding the decomposition of unfermented matter during fermentation. L. M. Christensen. 2,356,381; Aug. 22.
Reversible tap holder. C. H. Hook. 2,356,669; Aug. 22.
Riveting machine. F. Mayer and F. Wopper. 2,356,526; Aug. 22.
Roller cage. O. H. Banker. 2,356,298; Aug. 22.
Rotary steam engine. J. Lepis. 2,356,461; Aug. 22.
Rotor, Turbine. U. Meininghaus. 2,356,605; Aug. 22.
Rubber and products obtained through said method, Manufacturing products from. A. Chomette. 2,356,564; Aug. 22.
Rubber, Manufacture of purified. G. J. van der Bie. 2,356,549; Aug. 22.
Rubber, Plasticizers for. R. T. Dean. 2,356,388; Aug. 22.
Rubber, Vulcanization of. P. C. Jones and R. A. Mathes. 2,356,163; Aug. 22.
Rudder machine for automatic pilots. A. Kronenberger. 2,356,597; Aug. 22.
Rule, Extensible. C. G. Swanson. 2,356,544; Aug. 22.
Salts of mercaptans. R. A. Mathes. 2,356,172; Aug. 22.
Sash lock. C. A. Pressnall. 2,356,427; Aug. 22.
Scaling tool. R. D. Gray and J. R. Denison. 2,356,314; Aug. 22.
Screen: *See*—
Pulp screen. Window screen.
Sealing means, Cabinet. W. D. Rossiter. 2,356,276; Aug. 22.
Seat construction, Soft edge. L. T. Mayer. 2,356,417; Aug. 22.
Seat facing machine. E. H. Delahan and A. G. Frojd. 2,356,226; Aug. 22.
Self-venting tank valve. W. A. Lebus. 2,356,327; Aug. 22.
Selective fuel tank content indicator. E. L. Bedard. 2,356,200; Aug. 22.
Semiautomatic machine intended for finishing the grooves of ball bearing rings. E. F. L. Beduneau. 2,356,499; Aug. 22.
Separator: *See*—
Chip separator. Magnetic separator.
Sewing-machine attachment. J. P. Enos. 2,356,663; Aug. 22.
Sheet pressing machine. C. P. Johnson. 2,356,244; Aug. 22.
Shedding mechanism. J. M. Tuten. 2,356,713; Aug. 22.
Shell clip. J. W. Leighton. 2,356,413; Aug. 22.
Shield, Anti-torpedo. N. R. Peterson. 2,356,691; Aug. 22.
Shock-absorber. R. H. Bound. 2,356,444; Aug. 22.
Shock-absorbing or cushioning material made from fibrous substances. W. Garner. 2,356,456; Aug. 22.
Shock absorbing suspension device for vehicles. P. W. Thornhill. 2,356,481; Aug. 22.
Shoemaking. P. A. Phillips. 2,356,268; Aug. 22.
Shutter, Camera. C. C. Fuerst. 2,356,455; Aug. 22.
Shuttle car. J. D. Russell. 2,356,434; Aug. 22.
Sight. W. A. Schaich. 2,356,182; Aug. 22.
Signal device. F. Gonseor. 2,356,396; Aug. 22.
Signal receiving system, Frequency modulation. G. L. Beers. 2,356,201; Aug. 22.
Signaling system. A. A. Lundstrom. 2,356,330; Aug. 22.
Sling, Equalizing. L. M. Caldwell. 2,356,146; Aug. 22.
Sling, Self-equalizing. L. M. Caldwell. 2,356,147; Aug. 22.
Smoke deflector for tobacco pipes and cigar and cigarette holders. H. Van Campen and A. D. Hill, Jr. 2,356,548; Aug. 22.
Snips. J. T. Ivy. 2,356,672; Aug. 22.
Soap leaf. C. W. Mabley. 2,356,168; Aug. 22.
Soaps, Metal. E. V. Murphree. 2,356,340; Aug. 22.
Solenoid. M. W. Bowen. 2,356,377; Aug. 22.
Solid materials, Recovery of finely divided. R. W. Williams. 2,356,717; Aug. 22.
Solid matter in oil wells, pipelines, and flow lines, Preventing and/or removing accumulation of. S. Lehmann, Jr., and C. M. Blair, Jr. 2,356,254; Aug. 22.
Sorting device. E. H. Birdsall. 2,356,203; Aug. 22.
Sound absorbing structure. H.-H. Wolff. 2,356,640; Aug. 22.
Spike, Track. M. H. Brown, Jr. 2,356,376; Aug. 22.
Spindle mounting. De W. Clausen. 2,356,506; Aug. 22.
Spindle, Recording. R. Hell. 2,356,584; Aug. 22.
Spirit level device. J. Geier. 2,356,311; Aug. 22.
Splitting mechanism. J. J. Kendle and E. W. Young. 2,356,324; Aug. 22.
Spreader, Tobacco. R. E. Rösler. 2,356,534; Aug. 22.
Stain prevention in color photography. A. Weissberger and P. W. Vittum. 2,356,486; Aug. 22.
Stand: *See*—
Foldable music stand.
Staple remover. F. Polzer. 2,356,693; Aug. 22.
Starter device for internal-combustion engines. A. Callsen and A. Weiss. 2,356,503; Aug. 22.
Steam, Condensing spent. L. Heller. 2,356,404; Aug. 22.
Steam-heating plant. H. Appel. 2,356,372; Aug. 22.
Steel. S. Epstein. 2,356,450; Aug. 22.
Steering for track chain and other vehicles having more than two axles. B. Mette. 2,356,528; Aug. 22.
Steering mechanism, Power. G. T. Smith. 2,356,492; Aug. 22.
Sterilization of organic substances. H. M. Christensen. 2,356,505; Aug. 22.
Steriliser. V. Giuliana. 2,356,239; Aug. 22.
Sterilizer, Surgical pad. F. M. Miner, Jr. 2,356,684; Aug. 22.
Stimulants suitable for combating symptoms of fatigue and their production. F. Haffner and F. Sommer. 2,356,582; Aug. 22.
Structural member. J. Coußle. 2,356,386; Aug. 22.
Structural member, Expanding metal. S. S. Lachman. 2,356,675; Aug. 22.
Stud bolts, Manufacture of. A. P. Newall. 2,356,686; Aug. 22.
Supercharger. A. Stieglitz. 2,356,124; Aug. 22.
Support: *See*—
Bed cover support. Conduit support.
Blind and curtain support. Turbine support.
Support for service trays. F. E. Tracy. 2,356,131; Aug. 22.
Swing gate valve. C. E. Strecker. 2,356,630; Aug. 22.

Switch: *See*—
Electric switch. Fluid actuated switch.
Switch structure. W. B. Kochner. 2,356,521; Aug. 22.
Swivel connection. D. M. Phillips. 2,356,351; Aug. 22.
Synchronizing circuit. A. R. Applegarth, Jr. 2,356,141; Aug. 22.
Synthetic linear condensation polyamides, Production of. P. Schlack. 2,356,702; Aug. 22.
Tank: *See*—
Airplane tank.
Tapping machine. H. A. Wilson. 2,356,438; Aug. 22.
Television method and system. H. de France. 2,356,568; Aug. 22.
Temperature control circuit. F. G. Boucher. 2,356,206; Aug. 22.
Temperature measuring device. J. D. O'Brien. 2,356,607; Aug. 22.
Temperature-responsive control mechanism, especially for refrigerating apparatus. P. Pfaff and H. Benkert. 2,356,612; Aug. 22.
Tetone acids and their salts, Preparing. F. Grandel. 2,356,581; Aug. 22.
Thio-digiycol ester plasticized polyvinyl chloride. W. Hentrich and R. Endres. 2,356,586; Aug. 22.
Thresher. L. P. Midiard and S. D. Pool. 2,356,419; Aug. 22.
Ticket issuing machine. R. H. Helsel. 2,356,667; Aug. 22.
Tile cutting machine. W. A. Hislop. 2,356,406; Aug. 22.
Time-setting devices for fuses. A. Weisz. 2,356,554; Aug. 22.
Tire protector device. J. H. Wildman. 2,356,292; Aug. 22.
Toaster. T. T. N. Bucher. 2,356,649; Aug. 22.
Tone keyer, Frequency modulation. M. G. Crosby. 2,356,224; Aug. 22.
Tool: *See*—
Bandoleer loading tool. Machine tool.
Facing tool. Scaling tool.
Finishing tool. Tube cutoff tool.
Pipe-bending tool.
Power-operated mitering and beveling tool.
Torch cutting machine. A. F. Chouinard and L. A. Bordeaux. 2,356,215; Aug. 22.
Tower, Cooling. C. S. Yingling. 2,356,192; Aug. 22.
Toy gun. J. A. Sigg. 2,356,706; Aug. 22.
Toy railway car, Load catapulting. R. G. Smith. 2,356,280; Aug. 22.
Track circuit system of railway signaling, Coded. R. M. Laurenson. 2,356,460; Aug. 22.
Tractor for agricultural implements. H. G. Ferguson. 2,356,231; Aug. 22.
Transfer mechanism, Binder. H. H. Wheeler. 2,356,637; Transfer mechanism, Molded article. W. S. Reynolds. 2,356,271; Aug. 22.
Transformer. H. Bähring. 2,356,558; Aug. 22.
Tray construction. S. Saul, Jr. 2,356,473; Aug. 22.
Truss, Moistureproof. M. Portnow. 2,356,426; Aug. 22.
Tube: *See*—
Braun tube. X-ray tube.
High frequency radio tube
Tube conformer for tube weaving looms. R. Orgass. 2,356,343; Aug. 22.
Tube cutoff tool. C. L. Haynes. 2,356,402; Aug. 22.
Tubular article conveyer. S. Webb. 2,356,485; Aug. 22.
Turbine support. J. R. Hagemann. 2,356,721; Aug. 22.
Turret control system. M. A. Edwards and K. K. Bowman. 2,356,152; Aug. 22.
2-mercapto dihydro pyrimidine derivatives. C. H. Stiteler. 2,356,710; Aug. 22.
Uncoupling mechanism. W. J. Metzger. 2,356,336; Aug. 22.
Undergarment, Man's. A. M. Reis. 2,356,696; Aug. 22.
Valve: *See*—
Controlled cycle relief valve. Self-venting tank valve.
Swing gate valve.
Valve construction. M. Smolensky. 2,356,360; Aug. 22.
Valve for resilient suspension devices, Damping. A. E. Bingham. 2,356,563; Aug. 22.
Variable resistor. F. Gieffers. 2,356,512; Aug. 22.
Vehicle: *See*—
Automotive vehicle.
Vehicle arrestor. E. A. Banschbach. 2,256,559; Aug. 22.
Vehicle body. C. Schulz and K. Tandetzke. 2,356,624; Aug. 22.
Vehicle construction. D. G. Roos. 2,356,180; Aug. 22.
Vehicle springing. J. Müller. 2,356,606; Aug. 22.
Vending machine. C. L. O'Reilly. 2,356,687; Aug. 22.
Ventilator. H. R. Larsen. 2,356,325; Aug. 22.
Ventilation and exhaust pipe cooling in boats. P. E. Fluor. 2,356,392; Aug. 22.
Ventilation system for boats. J. S. Fluor, Jr. 2,356,391; Aug. 22.
Vitamin B_1 and of similarly built compounds, Preparation of. R. König, A. Gerecs, and Z. Földi. 2,356,594; Aug. 22.
Vitaminizing fluid. F. N. Peters and E. G. Rupp. 2,356,350; Aug. 22.
Warping machine. G. Wiggermann. 2,356,365; Aug. 22.
Washer: *See*—
Hurdle washer.
Washing machine. G. W. Dunham. 2,356,573; Aug. 22.
Watch key winder. Z. E. House. 2,356,670; Aug. 22.
Water bag. P. S. Madsen. 2,356,602; Aug. 22.
Water circulator. M. O. Thrush. 2,356,482; Aug. 22.
Water heating apparatus. R. B. Davis. 2,356,657; Aug. 22.
Wax substitute, Hard. M. J. Kelley. 2,356,408; Aug. 22.
Web winding and rewinding machine. J. F. Morse. 2,356,421; Aug. 22.
Welding by electromagnetic storage of energy, Process and machine for. D. Sciaky. 2,356,621; Aug. 22.
Weft stop motion for narrow ware looms. E. R. Holmes. 2,356,458; Aug. 22.
Welding machine. H. A. Allshouse and R. H. Dyer. 2,356,643; Aug. 22.
Welt for hosiery. L. D. Wagenhorst. 2,356,484; Aug. 22.
Windshield wiper. C. R. Paton. 2,356,424; Aug. 22.
Window construction. W. W. Keusder. 2,356,409; Aug. 22.
Window operator. S. C. Reynaud. 2,356,270; Aug. 22.
Window screen. W. B. Rood. 2,356,275; Aug. 22.
Work holder. J. Jesionowski. 2,356,591; Aug. 22.
X-ray tube. Z. J. Atlee and H. W. Brackney. 2,356,645; Aug. 22.
Yarn, Making. E. Franz. 2,356,574; Aug. 22.
Zero return for galvanometers. G. F. Gardner. 2,356,579; Aug. 22.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 22, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1944

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE TAYLERSON

No. 4,875. Decided April 4, 1944

[142 F.(2d) 72]

1. APPEAL—PROSECUTION.

Much of the procedure of appellant in submitting new claims, a substitute specification and additional drawings before the Board of Appeals; in filing with the Board a lengthy petition for reconsideration, accompanied by two lengthy affidavits directed principally to the meaning of the term "conductor roll", employed in the appealed claims; and in filing with the court a voluminous brief, reply brief, and a separate volume of sixty-eight pages styled "Appendix to Brief for Appellant," consisting of a number of patents, evidently intended to disclose what those skilled in the art understood the term "conductor roll" to mean, *Held* "not to be commended, since it is not conducive to prompt and efficient Patent Office and court action."

2. SAME—JURISDICTION.

"We have no right to consider new claims which appellant has suggested that we consider or to take cognizance of patents not before or considered by the tribunals below; and we may not consider the new matter injected into the case * * *, which was refused by the tribunals below, since we think their refusal was fully justified."

3. PATENTABILITY—NEW USE OF OLD ARTICLE.

"The conductor roll defined in claim 4 is not materially different from those disclosed in the patents to Levy et al., Brown, and Wynne-Williams. The claim is an article claim, and, to be allowable, it should distinguish in a structural way from the prior art references. Appellant's argument for the allowance of the claim rests largely upon the claimed definition of the term 'conductor roll.' This, in effect, is an attempt to claim a new use for an old article."

4. SAME—CONDUCTOR ROLL.

Claims to a conductor roll *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. John E. Jackson (*Mr. Bonifant Hamilton* and *Mr. Edward W. Shepard* of counsel) for Taylerson.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

Appellant's application for a patent relating to a "Chromium-Plated Conductor Roll" was filed in the United States Patent Office on April 28, 1939. It contained three claims, which were rejected by the Primary Examiner upon certain references, whereupon appellant canceled the claims and substituted therefor the appealed claims 4 and 5. These claims were rejected upon the following prior art references: Levy et al., 1,952,762, March 27, 1934; Greer et al., 2,035,312, March 24, 1936; Wynne-Williams (British), 469,681, July 30, 1937; Brown, 2,203,253, June 4, 1940.

Appellant sought to amend his original specification and the claims at different times during the prosecution of the application, covering the period up until the last decision of the Board of Appeals in January of 1943. New claims were sought to be added before the Board, and also a substitute specification and additional drawings were submitted. These were properly disallowed on the grounds of new matter and untimeliness. Appellant filed with the Board a lengthy petition for reconsideration and submitted therewith two lengthy affidavits directed principally to the meaning of the term "conductor roll," which affidavits were not received or considered by the Board.

From the decision of the Board affirming the Examiner's rejection, appellant has appealed to this court.

The appealed claims read as follows:

4. In apparatus for electrodepositing a metal on a strip of dissimilar metal, a conductor roll for contacting and supplying electric current to said strip as it moves through said apparatus; said conductor roll comprising a closed hollow metallic tubular member possessing good electrical conductivity, a hard metallic protective coating on the outer surface of said closed hollow metallic tubular member, said coating being resistant to chemical attack by the solution used in the electroplating process.

5. In apparatus for electrodepositing a metal on a strip of dissimilar metal, a conductor roll for contacting and supplying electric current to said strip as it moves through said apparatus; said conductor roll comprising a closed hollow metallic tubular member possessing good electrical conductivity, a hard metallic protective coating on the outer surface of said closed hollow metallic tubular member, said coating being resistant to chemical attack by the solution used in the electroplating process and means for circulating a cooling medium within said closed metallic tubular member whereby overheating is eliminated.

The alleged invention is accurately described by the Examiner in his statement, as follows:

The specification and claims relate to a conductor roll. This conductor roll is for the purpose of conducting a continuous length of metal sheet or strip and for conveying electric current by contact to said sheet or strip. The conductor roll is provided at its ends with sliding electrical contacts which are in turn connected to a suitable source of electricity. The electric current is thus conveyed from its source through the conductor roll to the sheet or strip passing over and in contact with said roll. The conductor roll is provided on its cylindrical surface with a protective coating of hard metal, such as chromium. The roll is hollow and is also provided with means for conveying cooling water through the hollow interior to prevent the roll from getting overheated.

Claim 4 was rejected upon the patents to Levy et al., Brown, or Wynne-Williams; and claim 5, which calls for means for cooling the roll by circulation of water through the interior thereof, was rejected upon the three aforesaid references in view of the patent to Greer et al.

The Greer et al. patent discloses pairs of water-cooled hollow rolls in electrical contact with sheet material passed through an annealing furnace, one roll of each pair being connected to an electrical circuit. In that patent, the strip of sheet material is heated by the resistance of the current passing therethrough.

The patent to Levy et al. discloses a roll having a cylindrical portion over which is applied a chromium or stainless steel facing. The roll is provided with means for supplying electric current to the cylindrical face thereof.

Brown also discloses a roll having a cylindrical portion covered with a chromium outer layer. He provides means for supplying electric current to the cylindrical surface.

The British patent to Wynne-Williams discloses in its specification a roll which is said to contain an inner member of good electrical conductivity, which is surrounded by a stainless steel shell closely fitted to the inner member. The patentee states that the cathode drum may be mounted on a rotatable shaft through which the current passes.

In three of the references the rolls are used in the electrochemical art where it is desirable to deposit metal upon other metal through the action of electricity with an electrolyte. The deposited metal in the processes of these three patents is peeled or stripped off from the roll to form a thin sheet of metal or foil.

The Greer et al. rolls are used in a strip annealing furnace. All the other references disclose rolls with hard metallic outside coatings, used in the electrodeposition of metal. It will be observed, therefore, that the difference between the rolls disclosed in the cited prior art (regardless of what they are called) and the roll claimed by appellant rests chiefly in the use to which the respective rolls are put. Appellant's object is to place a permanent coating of tin or the like upon a hard metallic strip.

The Board of Appeals, in its first decision, agreed with the Examiner that the devices of each of the references were suitable for electroplating metallic strips already formed, and that the claims called for nothing inventive over the prior art. It properly approved the holding of the Examiner that the amendments offered constituted new matter and said:

> Whatever other designation the roll of the reference to Brown may have, it seems obvious that it is a conductor roll and that it could be used to direct a strip of metal over the same and the strip would, in effect, become a part of the roll at the point of contact and receive metal thereon the same as is deposited on the surface of the roll. So far as any efficacy to applicant's disclosure by reason of the amendment to page 1, line 8 of the specification, is concerned, the claims cannot depend on that amendment for support because it is matter not originally disclosed. As originally stated, the disclosure was said to relate to a conductor roll for establishing metallic strip material as an electrode and nothing seems to have been said about this strip being directed onto and passing from the roll. Appellant has proposed to amend the appealed claims by adding certain limitations as to the strip being directed onto the conductor roll and passing from the roll but the insertion of such an amendment is not recommended. It would apparently amount to a further limitation of matter already incorporated in the specification which was not originally presented.
>
> Claim 5 has been rejected on the same grounds as claim 4 except that it calls for means for circulating a cooling medium within the conductor roll. The Examiner has cited the patent to Greer et al. to show that it is old to admit cooling water to hollow conductor rolls between which a strip of metal is to be passed. It is considered that such an addition to the other structure of the claim would not amount to a patentable improvement in view of the Greer et al. patent.
>
> Appellant has discussed at great length the matter of amendment to the specification and drawing and states that it is thought to be obvious from the original specification, as illustrated and described from Figs. 1 and 2 of the proposed substitute drawings, that the combined conveyor and conductor roll must be positioned entirely outside of the electrolyte. Such matter was clearly not disclosed in the original and cannot be considered here. No reason is seen for considering this proposal in any detail since it involves matter not originally disclosed.

[1] On appeal here, appellant assigned thirty-seven reasons of appeal and also filed a voluminous brief, reply brief, and a separate volume of 68 pages styled "Appendix to Brief for Appellant." The appendix consisted of a number of patents, evidently intended to disclose what those skilled in the art understood the term "conductor roll" to mean. The issues, however, were simplified by appellant's counsel at the time of oral argument by striking most of the reasons of appeal and withdrawing the appendix and the reply brief. Some irrelevant and improper matter still remains in the brief and in the record relating to subject-matter which has obviously been troublesome to the Patent Office and to this court. Much of the procedure which has been hereinbefore outlined is not to be commended, since it is not conducive to prompt and efficient Patent Office and court action.

[2] The issues, when stripped of all unnecessary and unrelated matter, are quite simple. We have no right to consider new claims which appellant has suggested that we consider or to take cognizance of patents not before or considered by the tribunals below; and we may not consider the new matter injected into the case as aforesaid, which was refused by the tribunals below, since we think their refusal was fully justified.

[3] The conductor roll defined in claim 4 is not materially different from those disclosed in the patents to Levy et al., Brown, and Wynne-Williams. The claim is an article claim, and, to be allowable, it should distinguish in a structural way from the prior art references. Appellant's argument for the allowance of the claim rests largely upon the claimed definition of the term "conductor roll." This, in effect, is an attempt to claim a new use for an old article. We are in agreement with the Patent Office tribunals that it is not inventive to use the rolls of the prior art in electrodepositing tin upon steel strip as is proposed by appellant. Nor would invention be imparted by providing for a cooling system on the interior of the roll, as is shown by Greer et al.

While it is not necessary to belabor the issue with reference to the meaning of the term "conductor roll," it is appropriate at this place to remark, as did the Solicitor for the Patent Office in his brief, that if appellant's contentions in that respect were accepted as correct, it would seem that they, within themselves, would defeat appellant's argument as to invention. If it is old in the art to electrodeposit metal on a strip which has been electrified by passing over an electrified roll and then into a plating bath, it is not seen how this matter could be helpful to appellant, for then in no event would it be a discovery by him.

[4] For reasons stated herein and by the Board of Appeals, we are clearly of the opinion that the appealed claims define nothing inventive over the prior art references relied upon by the tribunals below, and the decision of the Board is accordingly affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

U. S. Court of Customs and Patent Appeals

KEEFE *v.* WATSON

No. 4,857. Decided April 5, 1944

[142 F.(2d) 283]

1. INTERFERENCE—REDUCTION TO PRACTICE—NECESSITY OF TESTS.
   Testing of the valve stem expressed in the count *Held* essential to its reduction to practice.

2. SAME—SAME—SUFFICIENCY OF TESTS.
   "The device involved is something new in the valve stem art, else it would not be patentable. To be patentable, it must be shown to have practical utility and, in our opinion, the only way in which such showing could be made was by a test under actual service conditions."

3. SAME—EVIDENCE.
   "Of Exhibit Y, a letter dated February 2, 1935, appellant pointed out that it is a carbon copy and that the original was not produced. As to this, it was stipulated, in substance, that a daughter of Watson, if called as a witness, would testify that she had made search for the original through all her father's papers but had been unable to find it. It was also testified by a Mr. Freer, one of Watson's counsel in this case, who had also represented him in another interference proceeding, that he had had occasion to go through Watson's files a number of times, and that he had never seen the original in those files. Under such circumstances, we think the copy was not improperly received in evidence and that it was properly given weight below."

4. SAME—DRAWINGS—CORROBORATION.
   With respect to a drawing made by a witness for the party Watson *Held* that corroboration "was not • • • required to be made in the same manner that would have been required had it been made by the inventor himself."

5. SAME—PRIORITY.
   Evidence reviewed and *Held* that the party Keefe, a reissue applicant, could not be accorded any date for conception or reduction to practice prior to May 15, 1936, the filing date of his original application; that his adversary, Watson, reduced to practice in February, 1935; and that priority properly was awarded to Watson.

APPEAL from the Patent Office. Affirmed.

Mr. O. Z. McCoy, and *Messrs. Kwis, Hudson & Kent* and *Mr. A. J. Hudson* (*Mr. Watts T. Estabrook* of counsel) for Keefe.

Messrs. Cameron, Kerkam & Sutton (*Mr. Loyd H. Sutton* of counsel) for Watson.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority to Watson in an interference proceeding involving a single count which reads as follows:

> A flexible rubber tire valve stem having a longitudinal through passage cross-sectionally reduced intermediate its ends to provide a seat integral with the stem and faced toward the base of said stem, a movable valve head cooperable with said seat to close said passage, a movable closure member cooperating with the outer end of said passage for normally preventing the entrance of dust and water, means operatively connecting said valve head and closure member for transmitting movement of said closure member to said valve head and means providing for the passage of air by said closure member when said closure member is depressed.

The interference was declared March 8, 1939, between an application (Serial No. 136,463) of Keefe, filed April 12, 1937, for the reissue of a Patent No. 2,057,195, issued October 13, 1936, on an application (Serial No. 79,911) filed May 15, 1936, and an application (Serial No. 103,436) of Watson, filed September 30, 1936.

The count being found to read upon the disclosure of Keefe's original application, he is entitled to rely upon the date of May 15, 1936, which made him the senior party. As the junior party it was incumbent upon Watson (or his assignee, Jenkins Bros. of Bridgeport, Connecticut, a corporation) to establish priority by a preponderance of evidence.

It appears that Watson died in June or July 1939 after he had filed a preliminary statement dated March 31, 1939, and before the taking of testimony in the case began. It further appears that a second statement designated "Preliminary Statement," dated February 7, 1941, signed by Bernard J. Lee, vice president of Jenkins Bros., was filed in the Patent Office apparently in support of a motion made to change the date of the first written description alleged in the statement of Watson.

In the preliminary statement of Watson disclosure of the invention to others and first drawing was claimed "during the latter part of December 1930 or the first part of January 1931"; first written description "on or about June 29, 1932," and reduction to practice "in the month of August 1932." The amendment which was sought (in support of which the statement of Lee was filed) was a claim of written description "on or about January 12, 1932," but inasmuch as it subsequently was conceded by Watson's assignee that the date of written description was immaterial the Examiner of Interferences held that the question "is moot and consideration thereof is deemed unnecessary," and that matter ceased to be an issue in the case.

Keefe in his preliminary statement claimed first drawing "on or about March 6, 1933"; first written description "on or about October 12, 1933"; first disclosure to others "on or before January 1, 1933," and first reduction to practice "on or about March 6, 1933."

The Examiner of Interferences awarded Watson conceptions on different dates, viz, "at least as early as June 29, 1932"; "in June, 1934," and "in September, 1934," and awarded him actual reduction to practice "at least as early as February 25, 1935." The general tenor of the Board's decision indicates that it did not disagree with the Examiner as to the evidence establishing conception on the part of Watson in June 1932, but it expressly overruled the award of conception in June 1934. It also expressly approved the finding that he was shown to have conceived in September 1934. Also, it approved the award to him of reduction to practice in February 1935.

With respect to Keefe, the purport of the decision of the Examiner of Interferences was that he had failed to prove conception and actual reduction to practice at any time prior to the filing date (May 15, 1936) of his application (Serial No.

79,911) which matured into the Patent No. 2,057,195, the application for reissue of which is here involved. However, upon the theory that his decision respecting conception might be reversed on appeal he, not improperly, went further and, in effect, held that Keefe had made no showing of diligence during the period in which diligence was required. The Board agreed with the findings of the Examiner of Interferences both as to nonconception and nonreduction to practice and hence made no direct reference to the matter of diligence.

Under the above holdings the award of priority was made to Watson, the junior party, because the dates awarded him were prior to Keefe's filing date.

Testimony was taken on behalf of both parties, and numerous documentary and physical exhibits were introduced in evidence, so that (although there is involved only a single count which in its terms is not particularly complicated) it has been necessary to examine an extensive record.

The Examiner of Interferences succinctly described the device in simple terms as follows:

> The subject matter of this interference relates to a flexible rubber tire valve stem. The stem has a longitudinal passage which is cross sectionally reduced at a point intermediate its ends to provide an integral valve seat. A valve member co-operates with the said seat and acts as the air valve of the stem. At the top of the stem a movable closure member co-operates with the outer end of the passage for normally preventing the entrance of dust and water. This closure member is operatively connected with the valve and transmits movement thereto.

We quote the following ruling from the decision of the Board:

> The issue involved is so phrased, especially in the expression "a movable closure member cooperating with the outer end of said passage for normally preventing the entrance of dust and water," as to require a limited construction in order to obtain some definite idea as to the invention. The closure member must be sufficiently close to the passage as to substantially prevent the entrance of any dust and water in use. It will be noted that many types of valve stems are made of record and to construe the claim too broadly would cover such varied forms. If the claim be construed broad enough to relate to a closure member which might, because of its mere presence in the passage, prevent part of the dust and water from entering the tube, then such construction would include many types of valve stems. The Examiner has held, and we believe correctly, that the issue should not be so broadly construed.
>
> Having agreed with the Examiner as to the scope of the count, we are not considering many forms of the alleged invention produced in drawings and exhibits by Watson which do not accord with our reading of the claim. It is our opinion that one of the essential features of the count is the provision of a closure member for so fitting within the stem as to take the place of the usual cap on a valve stem.

We find no reason of appeal which directly or indirectly challenges the correctness of the foregoing ruling and we take it to be conceded as correct.

Appellant Keefe's reasons of appeal make various specific allegations of error, the gist of them being summarized in his brief before us as follows:

> *First:* The Board of Appeals accorded Watson as a date of reduction to practice, February 25, 1935, based on the oral testimony of one Edgar L. Dean, accepting as substantiation of Dean's testimony a certain document comprising a sketch and written description allegedly made by Dean, signed by Dean but otherwise unattested and uncorroborated by supporting witnesses, the same being found in the record as Watson Exhibit X.
>
> It is appellant's position that the exhibit referred to does not constitute corroboration of Dean's testimony but is only a self-serving statement.
>
> *Second:* The Board of Appeals awarded to Watson a date of conception as of January 1932, based on Watson's Exhibit AA which is a letter alleged to have been written by Watson to The Jenkins Brothers Valve Company who is the assignee of the Watson application involved in this interference. The letter referred to is dated January 12, 1932, but inasmuch as Watson's preliminary statement alleged as the date of his first written description of the invention, the month of June 1932, the Board of Appeals restricted Watson to the date alleged in his preliminary statement but held that the letter above referred to was acceptable as proof of conception and written description, in this interference.
>
> It is appellant's position that this letter should not have been accepted as evidence of probative value, for certain reasons which will be pointed out in a more extended consideration of this matter.
>
> *Third:* The Board of Appeals also accorded as a date of conception to Watson, September 1934, this conclusion being based upon a certain drawing made in September 1934 which is found as Watson's Exhibit K.
>
> It is appellant's contention that this drawing is incomplete so far as responding to the reissue of the interference and therefore conception of invention should not have been predicated thereon.

It will be observed that the foregoing summaries are directed to the matter of Watson's conception dates, as awarded by the Board. They are immediately followed by the statement:

> Keefe, by what is considered to be competent testimony, established a date of reduction to practice in the spring of 1934 as of February or March of said year supporting evidence being largely based upon the testimony of one Lee E. Clough and based upon Keefe's Exhibits 15, 16 and 17 but the Board of Appeals finding that certain statements of Clough "leads to confusion," rejected Keefe's claim for reduction to practice as of the spring of 1934.

So, with respect to Keefe's allegations relative to reduction to practice, he limits himself to a period "in the spring of 1934 as of February or March of said year," and we note that in the concluding part of the first portion of his brief (the only portion touching this question), it is said: "*Seventh:* That Keefe is entitled to a date for *conception* and reduction to practice as of February or March of 1934." [Italics ours.] We take it, therefore, that he abandoned his reason of appeal No. 18 in which it was alleged that the Board "erred in implicitly holding that Keefe was not reasonably diligent in reducing the invention to practice," and no question of Keefe's diligence is here involved.

Under the view which we take of the case it is unnecessary for us to discuss the evidence relating to the dates awarded Watson for conception, independently of that awarded him for reduction to practice. Should it be held that Keefe actually reduced the invention to practice in February or March 1934, it is clear that he would be entitled to the award of priority on that basis. Further, if it should be found that Watson did not actually reduce the invention to practice in February 1935, Keefe (since Watson could not, upon the record, receive an award of diligence) would be entitled to the award of priority based upon constructive reduction to practice by reason of the filing date of his original application—May 15, 1936.

So, we confine our discussion, in the main, to the claims of the respective parties relating to actual reduction to practice, and consider first the claim of Keefe.

As has been indicated, the Examiner of Interferences and the Board concurred in holding that the evidence on Keefe's behalf was not sufficient to establish either conception or reduction to practice in the spring of 1934. Keefe's reliance in this regard is based upon certain physical exhibits introduced in evidence as Keefe's Exhibits Nos. 15, 16, and 17, consisting of three valve stems, and the testimony of himself and other witnesses relating thereto, including the tests claimed to have been made of them. It was held below, in substance, that the evidence was not sufficient to establish satisfactorily that the exhibits so introduced were in existence in 1934 or on any particular date, and it was further held that the tests claimed to have been made of them (assuming that they were in existence) were insufficient to meet the requirements of reduction to practice.

We have examined the testimony relating to the exhibits with much care.

Even the testimony of Keefe himself is lacking in positiveness as to dates, notwithstanding his counsel asked numerous leading questions. In general, Keefe seems to have determined his dates, first, from the fact that in 1934 he was residing on Kent Street in Akron, Ohio, having moved there April 15th of that year, and, second, from notations made in a notebook by one Lee E. Clough, who testified that he made various parts of valves for Keefe in February 1934, March 1934, and September 1935. As to the first, it appears that Keefe resided at the same place on Kent Street until in October 1937 when he moved to another location. As to the second, he does not appear to have examined but one page of the notebook, and the entry on that page seemingly related to an exhibit (No. 14) which is not relied on in this proceeding.

With respect to the testimony of Clough, upon whom Keefe principally relies for corroboration, and that of certain other witnesses whom it is unnecessary to name, we think it was correctly summarized by the Examiner of Interferences in the following statement:

> Aside from Exhibit 14, Keefe has also introduced Exhibits 15, 16 and 17 as evidence of conception and reduction to practice. Numerous witnesses testify to the existence of these exhibits in 1934 and of seeing them on an inner tube and in some cases of seeing Keefe inflate the inner tube and hold the valve in a pan of water. However without exception, these witnesses are unfamiliar with valves, saw only the external stem and rely merely on their unaided recollection for date. Such testimony is deemed wholly insufficient to establish the existence of a device which supports the count in issue as of any particular date. It is recognized that Clough has testified from his record book that he made various parts of valves for Keefe on February 10, 1934, February 12, 1934, March 14, 1934, and September 20, 1935. However Clough's testimony is indefinite as to what particular device was made at any particular time. In fact he admits that Exhibits 15, 16 and 17 could have been made from his 1935 work. His testimony, therefore, fails to corroborate the existence of these exhibits as to any particular date.

We do not question the honesty or credibility of either Keefe or Clough, but inasmuch as their testimony is so lacking in the definiteness required in interference proceedings upon vital matters, we would not be justified in overruling the concurrent holdings of the tribunals of the Patent Office respecting the questions so far discussed.

[1] Furthermore, even should those holdings be overruled, there would remain the question of whether the tests made by Keefe were sufficient to meet the requirements relative to reduction to practice. The mere making of the valve stems would not of itself be a reduction to practice. A testing of them was essential.

Upon this matter, the Examiner of Interferences stated:

> • • • All that he [Keefe] did was to fill an inner tube with air having a valve attached and to immerse the valve in water. He never subjected the device to a use test on an automobile. The mere filling of a tube with air and immersing it for a short time in water, while it may be a test of a preliminary nature which might indicate whether it was worthwhile to carry on further tests, is not such a final and conclusive demonstration of the practical utility of the device as would constitute a reduction to practice. It must be noted that an important feature of the count is the prevention of dust reaching the valve parts. Certainly a test of merely inflating the tube gives no indication of whether the device would perform this function or not. Furthermore, a test aside from actual use on an automobile does not indicate how the valve would perform when subjected to the incidental vibration of an automobile in use or to its performance when subjected to the added heating and pressure of a moving automobile. Accordingly, it does not appear that reduction to practice has been established by the short and simple test.

The Board said:

> • • • it is quite evident the single test for leakage of air was unsatisfactory as a test for reduction to practice of the issue which concerned prevention of dirt and water entering the valve stem.

The correctness of the findings of fact stated by the Examiner of Interferences relative to the test made is not challenged by Keefe but it is contended that such test was sufficient to meet the legal requirements.

We are unable to agree with that contention.

[2] The device involved is something new in the valve stem art, else it would not be patentable. To be patentable, it must be shown to have practical utility and, in our opinion, the only way in which such showing could be made was by a test under actual service conditions.

We agree with the tribunals of the Patent Office that Keefe may not be awarded any date for conception or reduction to practice prior to the filing date of his original application—May 15, 1936.

It follows that if the device of Watson was actually reduced to practice in February 1935, as was held below, he was properly awarded priority.

A valve stem vulcanized to an inner tube was introduced in evidence as Watson's Exhibit W, and, while Keefe in his reasons of appeal alleges that the Board "erred in holding that Watson's Exhibit W was *sufficiently proven*," it does not seem to be questioned that it meets the structure of the count. [Italics ours.]

As has been stated, Watson died prior to the taking of the testimony, and the evidence relating to reduction to practice consists in the main of the testimony of Mr. E. L. Dean, one of several financial backers of Watson, together with certain documentary exhibits, particularly a drawing which Dean testified that he made and which was introduced in evidence as Watson's Exhibit X.

It appears that both Watson and Dean resided in Jonesboro, Arkansas. Dean testified that his occupation was "Farming mainly," and that he owned farms in the vicinity of Caraway, Arkansas, one of which it appears he was accustomed to visit frequently during the period here involved (the other apparently not having been "opened up" until shortly before his testimony was taken). It appears that he possessed considerable mechanical

skill; that he was familiar with valve stem structures and that he became interested in the development, and later in the exploitation, of stems to be substituted for metal stems which latter, when a tube was punctured (as frequently happened on the roads over which he often drove to, from, and about his farm), tore up the tube which had been deflated as a result of the puncture. He particularly desired also a stem requiring no dust cap which could be manufactured at a reasonable cost.

The Board summarized the evidence relating to Watson's reduction to practice as follows:

With regard to the reduction to practice on the part of Watson, we have the testimony of one Dean with regard to a valve shown in the drawing Watson Exhibit X. Dean, see Watson Exhibit Y, wrote a letter to Watson and described a capless valve stem which he thought would be of value to manufacture as contrasted with other types which evidently they had previously discussed. He especially wanted to get away from the cap on the stem and he suggested that Watson repair [the exact language in Exhibit Y is "fix one up"] a valve so that when he came home he could mount it on a tire and if it proved satisfactory on an automobile which was running around the roads on his farm, it would be good anywhere. On Exhibit X under a date of 2/25/35 is a general description in the shape of a drawing of a capless valve stated to be designed by F. H. Watson and mounted by Dean, Belin and Chalfant on a 1935 Chevrolet coupe under a date of 2/17/35. This valve was partially described and indicated in a general sketch but no spring is present to hold the valve in place [elsewhere the Board pointed out that the count does not require a spring]. The test was to determine whether a cap was necessary. According to this report, this automobile was driven around the country roads in mud and water and the results were entirely satisfactory. Great improvement was noted over similar valves. Inasmuch as this was a contemporaneous description of what allegedly occurred at the date stated, it should be given great weight.

[3] The substance of appellant's contention is that there is not sufficient evidence in corroboration of Dean's testimony. Of Exhibit Y, a letter dated February 2, 1935, appellant pointed out that it is a carbon copy and that the original was not produced. As to this, it was stipulated, in substance, that a daughter of Watson, if called as a witness, would testify that she had made search for the original through all her father's papers but had been unable to find it. It was also testified by a Mr. Freer, one of Watson's counsel in this case, who had also represented him in another interference proceeding, that he had had occasion to go through Watson's files a number of times, and that he had never seen the original in those files. Under such circumstances, we think the copy was not improperly received in evidence and that it was properly given weight below. As to the drawing, Exhibit X, it is pointed out that it was signed by Dean but not otherwise attested and that it was uncorroborated by supporting witnesses.

[4] In considering the testimony of Dean, it should be borne in mind that he does not claim to have been a joint inventor with Watson of the valve stem illustrated by Exhibit W, and his own work in the alleged reduction to practice places him somewhat in the position of a corroborating witness. We see no reason to question his credibility and entertain no doubt as to his having tested the exhibit in the manner described, nor do we find any reason to doubt that he made the drawing, Exhibit X, at the time he claims to have made it and that it is entitled to weight in connection with his other testimony in the case. Incidentally, it may be said that corroboration as to this exhibit was not, in fact, required to be made in the same manner that would have been required had it been made by the inventor himself.

Another contention made by appellant is that Watson's Exhibit W was an abandoned experiment. It appears that the tube to which it was attached, after it had been tested by Dean, was placed in an "oil house" along with other automobile tubes and that it remained there until about a year before Dean gave his testimony in the case. Dean found it there when making a search for it in response to a suggestion or request of counsel for Watson's assignee.

[5] It is our view that the device was actually reduced to practice at the time found by the tribunals of the Patent Office, and, in the light of Dean's testimony concerning it, we agree with the holding below that it may not be regarded as an abandoned experiment. We think it has been clearly established that Watson was the first inventor and, therefore, in conformity with the letter and spirit of the patent laws, must be held entitled to the award of priority.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SHORTELL

No. 4,901. Decided April 4, 1944

[142 F.(2d) 292]

1. PATENTABILITY—HACK SAW—INVENTION—OBVIOUSNESS OF IMPROVEMENT CLAIMED.

The Board of Appeals *Held* not to have given sufficient consideration to the facts of record in coming to the conclusion that, irrespective of the disclosure of the patent to Szekely, "it is obvious to anyone that if it should be found that the teeth on the rear edge when of the same width of set, bind in the kerf, that this would be remedied by very slight increase of set on the advance edge."

2. SAME—SAME—SAME.

Where the record disclosed that during a period of over fifty years following the granting of the Clemson patent appellant was the first to discover that the saw therein shown could become of great utility by giving the teeth upon one edge of the blade a wider set than the teeth upon the other edge; and where letters in the record indicated that appellant's saw has great utility, that he first discovered the claimed improvement, and that said improvement was regarded by manufacturers who use hack saws, and by dealers in them, as an important discovery, *Held* that the tribunals of the Patent Office should not have concluded that appellant's improvement over Clemson would be obvious to one skilled in the art.

3. SAME—SAME—"FLASH OF GENIUS".

"We do not find it necessary here to decide whether appellant's improvement resulted from a 'flash of genius' or not, assuming that the term means a higher standard of invention than had been for many years required. The Supreme Court, for more than a hundred years, held, and this court since it acquired the patent jurisdiction which it now possesses following the decisions of its predecessor in this jurisdiction, the Court of Appeals of the District of Columbia, has held that when patentable subject matter is properly applied for and claimed, it is patentable if the thing claimed was not anticipated, was not obvious to one skilled in the art, and the other conditions named in section 4886 of the Revised Statutes (U. S. C., title 35, sec. 31) are met."

4. SAME—SAME.

"Congress has frequently amended section 4886, • • • but has never seen fit to require higher standards for the determination of invention than those so frequently declared by the courts. It, therefore, seems to us that the rule of legislative adoption of judicial decision is applicable, and the standards declared by the courts previous to such amendments have become the settled law not subject to judicial repeal."

5. SAME—SAME—"FLASH OF GENIUS".

With respect to the term "flash of creative genius" appearing in the decision of the Supreme Court of the United States in the case of *Cuno Engineering Corp.* v. *Automatic Devices Corp.*, 314 U. S. 84, 534 O. G. 699, *Held* that "we are of the opinion that the use of the term 'flash of creative genius,' • • • was intended to mean nothing more than that the thing patented must involve more than the skill of the art to which it relates."

6. SAME—SAME—"NEW DOCTRINAL TREND".

In reference to the decision in the case of *Picard* v. *United Aircraft Corp.*, 128 F.(2d) 632, *Held* that "while recognizing • • • that it is the duty of this court to follow the law as declared by the Supreme Court, we do not conceive it to be our duty to change our basis of decision merely because some courts assume that there is a 'new doctrinal trend' with regard to the standards required for invention."

7. SAME—SAME—CREATION OF NEW STANDARDS.

"In our opinion it is not within the province of the courts to establish new standards by which invention is to be determined. It seems clear to us that the creation of new standards for the determination of what constitutes invention would be judicial legislation and not judicial interpretation."

8. SAME—SAME.

"It follows, from the foregoing, that until Congress shall otherwise legislate, or the Supreme Court shall otherwise specifically hold, this court will continue to hold that if a process or thing constitutes patentable subject matter, is new and useful, and the process performed or thing produced would not be obvious to one skilled in the art, invention should be presumed and a patent may properly issue therefor."

9. SAME—HACK SAW.

In view of findings that appellant's improvement in hack saws as claimed is not anticipated by the cited prior art and such improvement would not be obvious to one skilled in the art, the claims on appeal *Held* patentable.

APPEAL from the Patent Office. Reversed.

Mr. Frederic P. Warfield for Shortell.

Mr. W. W. Cochran for the Commissioner of Patents.

LENROOT, *J.*:

This appeal presents a question as to whether an improvement made by appellant in a hack saw blade was inventive. The Board of Appeals of the United States Patent Office affirmed a decision by the Primary Examiner rejecting five claims of appellant's application for a patent upon the ground of lack of patentability over the prior cited art.

Certain claims were rejected by the Examiner which were later withdrawn.

Claims 14 and 21 are illustrative of the subject matter of the claims, and read as follows:

14. As a new article of manufacture, a hack saw blade provided with cutting teeth of substantially the same size and shape along both edges thereof, the teeth along one edge being set to a lesser degree than the teeth along the other edge, and means for indicating the edge bearing the teeth having the greater degree of set.

21. As a new article of manufacture, a hack saw blade provided with cutting teeth of substantially the same size and shape along both edges thereof, both rows of teeth being set and ready for sawing, the teeth along one edge being set to a lesser degree than the teeth along the other edge.

It will be observed from quoted claim 14 that it has one element not recited in quoted claim 21, viz, "means for indicating the edge bearing the teeth having the greater degree of set." This limitation is also contained in claim 15.

The references cited are: Clemson, 336,697, February 23, 1886; Szekely, 511,473, December 26, 1893.

Appellant's alleged invention is the element of the claims above quoted reciting that the teeth along one edge of the blade are set to a lesser degree than the teeth along the other edge.

The purpose of having the set of teeth wider upon one edge of the blade than the set of teeth upon the other edge is that while cutting through metal the edge having the narrower set will not drag upon the sides of the kerf and thus be dulled as the saw passes through the metal. When the teeth upon the edge having the wider set become worn the blade is reversed, and the teeth having the narrower set continue the work, thus substantially prolonging the life of the saw.

The reference Clemson discloses a hack saw blade having teeth on its opposite edges so that the edges may be reversed when one of them becomes worn from use. Nothing in the patent suggests that the teeth on the opposite edges should have different sets, and presumably the sets on both edges are of the same width. It will be observed that this patent was issued in 1886.

The reference Szekely discloses an ordinary saw blade having cutting teeth upon one edge of the blade and planing teeth of a wider set upon the opposite edge. The patent states:

My invention relates to saw-blades and has for its purpose to provide a saw-blade that will not only act as an ordinary saw but will at the same time smooth the rough surfaces of the cut. To this end I have devised a saw-blade provided with the ordinary cutting teeth and equipped at the opposite edge with planing teeth that will smooth the rough surfaces of the cut during the motion of the saw.

There are a number of letters in the record from users of appellant's saws and dealers in machine tools indicating the novelty, utility, and commercial success of appellant's saw.

The record also contains an affidavit of appellant stating that he is the manager of the saw department of Millers Falls Company, of Greenfield, Mass., the assignee of his application; that he has been engaged in the manufacture of hack saw blades for 23 years; that he is familiar with the reference Clemson patent; that to the best of his knowledge and belief no blade corresponding to the disclosure of that patent was ever put upon the market, and that such a blade would be impractical because the two sets of teeth would saw and wear simultaneously and, therefore, the life of the saw would not be increased.

The "Examiner's Statement" on appeal states:

Claims 7, 13, 17 and 21 are held unpatentable over Clemson, No. 336,697 in view of Szekely. The claims read directly on the Clemson patent with the exception of the unequal set of teeth on the opposite edges of the saw. Since this feature is clearly shown in Szekely, it is only obvious to apply such an arrangement to the teeth in the Clemson patent.

Claims 14 and 15 are held unpatentable on the ground of aggregation. There is no interdependent relation between a printing arrangement and specific hack saw structure.

Claims 14 and 15 are further rejected on the same grounds stated against claims 7, 13, 17 and 21. It is held not to add novelty to any article of manufacture to add such instructions as "this side up", "use this edge first", etc. to the article. Such printed instructions do not come within the purview of the patent statutes. See *In re Reeves* C. D. 1933, page 111.

The Board of Appeals in its decision with respect to claims 13, 17, and 21 stated:

Claims 13, 17 and 21, which do not include the indicia, have been rejected as unpatentable over Clemson in view of Szekely. The Examiner observes that Clemson discloses a hack saw blade having teeth on both edges but so far as shown, the teeth on the two edges have the same degree of set. The collateral reference Szekely discloses a saw blade having teeth on both edges, the teeth on one side having very markedly wider set than on the other. Szekely's blade, however, is not a simple sawing blade on one side but the teeth have cutting edges on their sides to enable them to smooth the walls of the kerf while probably cutting it wider.

With respect to claims 14 and 15 the Board said:

Claims 14 and 15 have been rejected upon the same citations as unpatentable in merits with the additional ground that there is not sufficient nor any interdependence between the cutting teeth and the legend as to constitute a true combination and besides that the legend if considered in the sense of printed matter, cannot be taken into consideration under the patent practice because it relates to printed matter. We affirm the holding that these claims do not set forth invention over the state of the art.

The Board disagreed with the Examiner's additional rejection of claims 14 and 15 upon the ground of aggregation.

We are in agreement with the Board for the reasons stated by it that the legend upon the saw blade indicating which edge was to be first used does not aid patentability of the claims.

Therefore, the only question of patentability is whether the providing of a wider set of teeth upon one edge of the blade than that given the teeth upon the opposite edge constituted invention.

We are not in accord with the views of the Patent Office tribunals that the patent to Szekely has any relevancy to the question before us. It is manifest that his saw blade could not be reversed and the planing teeth used for cutting the material. Their only purpose is to smooth the rough surfaces of the cut during the motion of the saw, and both edges of the blade perform their respective functions simultaneously.

We find nothing in the Szekely patent that would in any way suggest to one skilled in the art the modification of the saw blade disclosed by Clemson by giving a greater degree to the set of the teeth upon one edge of the blade than is provided for the teeth on the other edge.

[1] The Board, however, stated that irrespective of the disclosure of Szekely it believed that

"it is obvious to anyone that if it should be found that the teeth on the rear edge when of the same width of set, bind in the kerf, that this would be remedied by very slight increase of set on the advance edge."

We are very reluctant to disagree with the Patent Office tribunals upon a question of what is obvious to one skilled in the art, but in this case we do not believe that they gave sufficient consideration to the facts of record.

[2] If the record disclosed as prior art only a saw blade having teeth of the same set in its opposite edges, such as is disclosed by Clemson, we might well agree with the Patent Office tribunals that giving the teeth on one edge of the blade a wider set than the teeth upon the opposite edge would be obvious to one skilled in the art, but there is in the record more than the disclosure of the Clemson patent that must be considered. It was issued in 1886 and expired in 1903 so that for more than forty years the public had been free to use the blade there disclosed and improve it in any way that would be obvious to one skilled in the art. It may be that, as suggested in the record, Clemson's saw was impracticable because the teeth upon both edges had the same set, but the record fairly discloses that during the more than fifty years since the date of the patent, and forty years since the public was free to use it, appellant was the first to discover that the saw disclosed by Clemson could become of great utility by giving the teeth upon one edge of the blade a wider set than the teeth upon the other edge.

The letters in the record not only indicate great utility of appellant's saw, but also clearly indicate that appellant was the first to discover the improvement for which he seeks a patent. If this improvement was obvious to one skilled in the art, as held by the Patent Office tribunals, it seems to us that sixty years would not have elapsed before it was made.

The letters referred to are in some respects far more laudatory than the facts seem to warrant, but we do attach importance to the fact that appellant's improvement was regarded by manufacturers who use hack saws, and by dealers in them, as an important discovery.

For the reasons stated, we are not in accord with the views of the Patent Office tribunals that appellant's improvement over Clemson would be obvious to one skilled in the art.

Appellant's brief does not discuss the question last hereinbefore considered, except inferentially under the heading "Flash of Genius." Under this heading he refers to "Patent Jurists" who are using this term as a necessary element to constitute invention, and insists that appellant's improvement measures up to this high test.

[3] We do not find it necessary here to decide whether appellant's improvement resulted from a "flash of genius" or not, assuming that the term means a higher standard of invention than had been for many years required. The Supreme Court, for more than a hundred years, held, and this court since it acquired the patent jurisdiction which it now possesses, following the decisions of its predecessor in this jurisdiction, the Court of Appeals of the District of Columbia, has held that when patentable subject matter is properly applied for and claimed, it is patentable if the thing claimed was not anticipated, was not obvious to one skilled in the art, and the other conditions named in section 4886 of the Revised Statutes (U. S. C., title 35, sec. 31) are met.

While much has been said by the Supreme Court regarding the impossibility of finding any affirmative formula by which invention may be defined, we have found no case in that court which declared a patent invalid where the question of what constitutes invention was the sole question involved, and the court had found that the thing patented was neither anticipated nor obvious to one skilled in the art.

In the case of *McClain* v. *Ortmayer*, 141 U. S. 419, 57 O. G. 1129, the court said:

Courts, adopting fixed principles as a guide, have by a process of exclusion determined that certain variations in old devices do or do not involve invention; but whether the variation relied upon in a particular case is anything more than ordinary mechanical skill is a question which cannot be answered by applying the test of any general definition.

In the case of *Hotchkiss et al.* v. *Greenwood et al.*, 52 U. S. 248, decided in 1850, frequently referred to as the "Porcelain door knob case," the court said:

* * * for unless more ingenuity and skill in applying the old method of fastening the shank and the knob were required in the application of it to the clay or porcelain knob than were possessed by an ordinary mechanic acquainted with the business, there was an absence of that degree of skill and ingenuity which constitute essential elements of every invention. In other words, the improvement is the work of the skilful mechanic, not that of the inventor.

The above cases have been cited by that court with approval a great many times.

Until very recently the decisions of all courts having jurisdiction over patent matters have uniformly held that if the thing patented involved patentable subject matter, was useful and was not anticipated by the prior art nor obvious to one skilled in the art, it evidenced invention and was patentable, other conditions prescribed by the statute necessary to patentability being present.

[4] Congress has frequently amended section 4886, supra, but has never seen fit to require higher standards for the determination of invention than those so frequently declared by the courts. It, therefore, seems to us that the rule of legislative adoption of judicial decision is applicable, and the standards declared by the courts previous to such amendments have become the settled law not subject to judicial repeal. See *Electric Storage Battery Co.* v. *Shimadzu et al.*, 307 U. S. 5, 504 O. G. 4.

[5] Much controversy has arisen concerning the interpretation of certain language in the case of *Cuno Engineering Corp.* v. *Automatic Devices Corp.*, 314 U. S. 84, 534 O. G. 699, wherein, following the citation of a number of cases, the court said:

* * * That is to say, the new device, however useful it may be, must reveal the flash of creative genius, not merely the skill of the calling. If it fails, it has not established its right to a private grant on the public domain.

It is interesting to note that all of the cases cited by the court preceding the above quotation were decided upon the familiar basis of whether the thing patented involved more than the skill of the art involved. In view of this fact, we are of the opinion that the use of the term "flash of creative genius," above quoted, was intended to mean nothing more than that the thing patented must involve more than the skill of the art to which it relates.

[6] In the case of *Picard* v. *United Aircraft Corp.*, 128 F.(2d) 632, 53 U. S. P. Q. 563, the court said:

We cannot, moreover ignore the fact that the Supreme Court, whose word is final, has for a decade or more shown an increasing disposition to raise the standard of originality necessary for a patent. In this we recognize "a pronounced new doctrinal trend" which it is our "duty, cautiously to be sure, to follow, not to resist."

While recognizing, of course, that it is the duty of this court to follow the law as declared by the Supreme Court, we do not conceive it to be our duty to change our basis of decision merely because some courts assume that there is a "new doctrinal trend" with regard to the standards required for invention.

[7] In our opinion it is not within the province of the courts to establish new standards by which invention is to be determined. It seems clear to us that the creation of new standards for the determination of what constitutes invention would be judicial legislation and not judicial interpretation.

[8] It follows, from the foregoing, that until Congress shall otherwise legislate, or the Supreme Court shall otherwise specifically hold, this court will continue to hold that if a process or thing constitutes patentable subject matter, is new and useful, and the process performed or thing produced would not be obvious to one skilled in the art, invention should be presumed and a patent may properly issue therefor.

[9] Inasmuch as in the case at bar we have found that appellant's improvement in hack saws as claimed is not anticipated by the cited prior art and such improvement would not be obvious to one skilled in the art, the decision appealed from is reversed.

Reversed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

U. S. Court of Customs and Patent Appeals

IN RE RIECHE ET AL.

No. 4,884. Decided April 27, 1944

[142 F.(2d) 695]

PATENTABILITY—CATION-EXCHANGERS.

Where appellants in their application relating to the manufacture of cation-exchangers described their starting material as "finely pulverized lignin-sulfonic acid, desulfonated to a considerable extent by means of alkalies," without specifying the degree of desulfonation employed, and the prior art showed that the degree of desulfonation was critical *Held* that appellants had not properly identified the starting material and that the claims of their application properly were rejected as based upon an inadequate disclosure.

APPEAL from the Patent Office. Affirmed.

Mr. Edward P. Gilheany (*Messrs. Stevens & Davis, Mr. T. A. Hostetler*, and *Mr. Richard K. Stevens* of counsel) for Rieche et al.

Mr. W. W. Cochran (*Mr. H. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

In this appeal we are called upon to review a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting all of the claims, 1, 2 and 3, of the application of appellants for a patent relating to alleged "new and useful improvements in 'Manufacture of Cation-Exchangers'."

The involved claims read as follows:

1. A manufacture of water-insoluble cation exchangers which comprises causing lignin substances of the group consisting of difficultly water-soluble and water-insoluble partially desulfonated lignin sulfonic acids, lignin obtained by acidifying black liquors in the soda wood-pulp process and nitrolignin to react in an alkaline medium with a water-soluble sulfite and formaldehyde, drying the resulting products and treating the dried products at temperatures up to about 100° C. with a sulfonating agent.

2. A manufacture of water-insoluble cation exchangers which comprises causing lignin substances of the group consisting of difficultly water-soluble and water-insoluble partially desulfonated lignin sulfonic acids, lignin obtained by acidifying black liquors in the soda wood-pulp process and nitrolignin to react in an alkaline medium with a water-soluble sulfite and formaldehyde, drying the resulting products and treating the dried products at temperatures up to about 100° C. with concentrated sulfuric acid.

3. Water-insoluble cation exchanging products as obtainable according to claim 1.

Cation-exchangers are widely used, particularly in softening water. So-called hard water contains small amounts of calcium, magnesium or iron salts in solution. So-called soft waters are relatively free of dissolved salts, but if such salts are present they are of sodium or potassium. Calcium, magnesium and iron salts in solution are removed from the hard water by their ions being exchanged by the cation-exchange substance, with the result that the water then contains the dissolved sodium and potassium salts in place of the calcium, magnesium or iron salts. Lignin substances difficultly soluble or insoluble are utilized in the manufacturing of such cation-exchangers, according to the application. Such cation-exchanger is fully set out in the claims.

The Primary Examiner rejected the claims as being based upon an inadequate disclosure for the reason that no degree of desulfonation is disclosed for the starting materials. Certain prior art was cited by the Examiner for the purpose of showing that desulfonation with alkalies may result in various types of products.

The cited prior art is as follows: Hibbert et al., 2,069,185, January 26, 1937; Alles, 2,122,124, June 28, 1938; Sutterlin et al., 2,172,301, September 5, 1939; Mauthe et al., 2,184,622, December 26, 1939; Wassenegger et al., 2,195,196, March 26, 1940.

The Examiner also rejected the claims as being drawn to an improper Markush group.

The Board of Appeals affirmed the decision of the Examiner on the same grounds.

The tribunals of the Patent Office held that the description of appellants' starting material, "finely pulverized lignin-sulfonic acid, desulfonated to a considerable extent by means of alkalies," was too indefinite to enable one skilled in the art to identify or produce the starting material intended by appellants to be used. The specification points out only that the lignin-sulfonic acids are "obtainable from pine wood or hard wood."

The prior art patents of Hibbert et al., Alles, and Mauthe et al. disclose the desulfonation of lignin-sulfonic acids or sulfite liquors containing such acids in various degrees of treatment with alkalies. Such treatments seemingly produce quite different products. The Hibbert et al. patent produces vanillin, the odoriferous principle of vanilla, a completely desulfonated substance, and the Alles patent follows the process of the claims yet arrives at a water-soluble tanning agent by treating desulfonated lignin-sulfonic acid with alkalies. While the patent does not disclose the drying of the intermediate product before sulfonation this was deemed to have no chemical significance. The degree of desulfonation obviously is critical, as is evident from the cited prior art, particularly the Alles patent.

Appellants' application fails to point out which of any of the various degrees of desulfonation are to be employed, and clearly fails to properly identify the starting substance. Therefore the claims were properly rejected, and it is not necessary to consider the rejection under the Markush doctrine.

For the reasons herein given the decision of the Board of Appeals is affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 22, 1944

[VOL. 565. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 470,046. SHIFLENE CORPORATION, New York, N. Y. Filed May 8, 1944.

SHIFLENE

FOR PLASTIC FILMY SHEETS USED IN THE MAKING OF LACES AND LACY-ITEMS.
Claims use since December 1943.

CLASS 2

RECEPTACLES

Ser. No. 469,678. MILDRED JOHNSON, doing business as Johnson Novelties, Hamtramck, Mich. Filed Apr. 26, 1944.

"DEBONETTE"

FOR EMPTY COMPACT CASES FOR LOOSE POWDER MADE OF COMPOSITION MATERIALS.
Claims use since Apr. 20, 1944.

Ser. No. 469,735. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Apr. 27, 1944.

Kem-Tone

Applicant is owner of Reg. Nos. 390,463, 399,867, 403,583, and 407,671.
FOR TRAYS OF CARDBOARD, PLASTIC MATERIALS AND WOOD FOR CONTAINING PAINT DURING THE APPLICATION THEREOF.
Claims use since Dec. 1, 1942.

Ser. No. 470,523. ARTEX-GREEN CORPORATION, New York, N. Y. Filed May 23, 1944.

CHARM

FOR SEWING BASKETS, AND HOSIERY, TISSUE, GLOVE AND HANDKERCHIEF BOXES MADE OF SLATS, CORD, AND WOOD.
Claims use since April 1943.

Ser. No. 471,200. TEXTRON, INC., Providence, R. I., assignor to Textron, Incorporated, Providence, R. I., a corporation of Rhode Island. Filed June 13, 1944.

TEXTRON

FOR CLOTH CLOTHES BAGS AND SHOE BAGS FOR HANGING IN CLOTHES CLOSETS.
Claims use since Mar. 27, 1944.

Ser. No. 471,654. BEMISS-JASON CORPORATION, San Francisco, Calif. Filed June 26, 1944.

KLIKLOK

FOR BOXES, CASES AND DISPLAY CONTAINERS MADE PRINCIPALLY OF PAPER BOX BOARD, LAMINATED PAPER BOARD, FIBRE BOARD OR OTHER LIKE MATERIAL.
Claims use since Mar. 18, 1941.

Ser. No. 471,778. "AUTOMATIC" SPRINKLER COMPANY OF AMERICA, Youngstown, Ohio. Filed June 29, 1944.

APTAN

FOR PRESSURE TANK SPRINKLER SYSTEM STORAGE TANKS.
Claims use since June 15, 1940.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 471,083. THE HORTON & HUBBARD MFG. CO., Somerville, Mass. Filed June 9, 1944.

CARI-LITE

FOR SUITCASES COVERED WITH WOVEN CLOTH.
Claims use since November 1938.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 469,293. ISRAEL BARKAN, doing business as Paint-Nu Products Co., Los Angeles, Calif. Filed Apr. 13, 1944.

PAINT-NU

The word "Paint" is disclaimed apart from the mark.
FOR CLEANERS FOR PAINTED SURFACES AND THE LIKE.
Claims use since Apr. 7, 1944.

Ser. No. 470,412. FITZPATRICK BROS., INC., Chicago, Ill. Filed May 19, 1944.



The words "Grease, Germs, Dirt" are disclaimed apart from the mark.
FOR SOAPS, SOAP FLAKES, SOAP COMPOSITIONS IN CRYSTALLINE OR POWDERED FORM AND CLEANING AND SCOURING PREPARATIONS IN FINELY DIVIDED FORM FOR HOUSEHOLD USE.
Claims use since January 1944.

Ser. No. 470,730. NEVERUB CORPORATION, Chicago, Ill. Filed May 27, 1944.

X-SOIL

No claim is made to the word "Soil" apart from the mark.
FOR CLEANSING COMPOUND HAVING WATER SOFTENING PROPERTIES FOR GENERAL HOUSEHOLD USE.
Claims use since Nov. 5, 1942.

Ser. No. 471,210. FINK-ROSELIEVE CO., INC., New York, N. Y. Filed June 14, 1944.

SCOOP

FOR DETERGENT SOAP POWDER.
Claims use since June 12, 1944.

CLASS 5

ADHESIVES

Ser. No. 469,922. AMERICAN TAG COMPANY, Chicago, Ill. Filed May 4, 1944.

VACUUM-WELD

FOR SOLVENTS FOR APPLICATION TO DECALCOMANIA TRANSFERS AND LABELS TO IMPROVE THEIR ADHERENT CHARACTERISTICS.
Claims use since Nov. 5, 1943.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 461,466. MAGNAFLUX CORPORATION, Chicago, Ill. Filed June 17, 1943.

"The Invisible Work-Glove"

FOR HAND CREAM.
Claims use since May 1942.

Ser. No. 466,412. S. W. LANDSBERGER CHEMICAL WORKS, INC., New York, N. Y. Filed Jan. 8, 1944.

LACIDEX

FOR EDIBLE ACIDS—NAMELY, CITRIC ACID, LACTIC ACID, PHOSPHORIC ACID, TARTARIC ACID, AND MIXTURES THEREOF; COLORING MATTER—NAMELY, COLORING MATTER FOR FOODS AND FOR FLAVORING EXTRACTS; PRESERVATIVES—NAMELY, BENZOIC ACID AND ITS COMPOUNDS, SODIUM SULFITE, SULFUR DIOXIDE.
Claims use since Dec. 30, 1943.

Ser. No. 466,720. FRANK BENES, doing business as Benes Company, Long Island City, N. Y. Filed Jan. 20, 1944.

AninA

FOR SKIN OINTMENT FOR THE TREATMENT OF RINGWORM, SCABIES, ATHLETE'S FOOT, AND ECZEMA.
Claims use since Sept. 21, 1943.

Ser. No. 469,731. KATZ DRUG COMPANY, Kansas City, Mo. Filed Apr. 27, 1944.
The picture is fanciful.



FOR ASPIRIN, IRON AND YEAST, MEDICINAL MINERAL OIL, COD LIVER OIL, MILK OF MAGNESIA, ANALGESIC BALM, AND ZINC OXIDE OINTMENT.
Claims use since Mar. 1, 1944.

Ser. No. 470,021. FIREFLY EXTINGUISHERS, Kansas City, Mo. Filed May 8, 1944.

FIRE FLY
FIRE FLY EXTINGUISHERS
KANSAS CITY, MO.

The words "Fire," "Extinguisher," and "Kansas City, Mo.," are disclaimed apart from the mark. The drawing is lined for shading only.
FOR FIRE EXTINGUISHERS COMPRISING FRANGIBLE RECEPTACLES HAVING A FILLING OF FIRE EXTINGUISHING MATERIAL.
Claims use since Apr. 25, 1944.

Ser. No. 470,213. LILLIE R. ROSS, doing business as Ross Chemical Company, Oklahoma City, Okla. Filed May 12, 1944.



FOR PREPARATION FOR THE TREATMENT OF HOG CHOLERA.
Claims use since May 5, 1944.

Ser. No. 470,223. JONATHAN P. B. FISKE, Auburndale, Mass. Filed May 13, 1944.

PLACE-LITE

FOR FLAME COLORING MATERIAL.
Claims use since Apr. 27, 1944.

Ser. No. 470,463. NOVAK'S PHARMACY, INC., Chicago, Ill. Filed May 20, 1944.

NOVAX

FOR PREPARATION FOR REMOVING CORNS AND CALLOUSES.
Claims use since May 15, 1944.

Ser. No. 470,506. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed May 22, 1944.

LINCOLNWELD

No claim is made to the word "Weld" apart from the mark. Applicant is owner of Reg. No. 240,429 for "Lincoln" effected under the 10-year proviso.
FOR FLUXING AND COATING MATERIALS FOR USE IN ARC WELDING.
Claims use since Mar. 19, 1943; and since 1894 for "Lincoln."

Ser. No. 470,510. JOHN H. OESTERHAUS, doing business as Kansas City Vaccine Co., Kansas City, Mo. Filed May 22, 1944.

"Oesterol"

FOR MEDICINAL PREPARATION FOR LIVESTOCK.
Claims use since Apr. 15, 1944.

Ser. No. 470,511. PHENSIC LIMITED, Loudon, England. Filed May 22, 1944.

FENSIC

FOR MEDICINAL PREPARATION FOR HUMAN USE IN THE ALLEVIATION OF HEADACHE, RHEUMATISM, COLDS, NEURALGIA, INFLUENZA, AND KINDRED AILMENTS.
Claims use since February 1944.

Ser. No. 470,546. SURE-RITE PRODUCTS COMPANY, Philadelphia, Pa. Filed May 23, 1944.

SURE-RITE

FOR CHEMICAL COMPOSITION FOR REPAIRING AND SEALING CRACKED VALVE PORTS, CYLINDER BLOCKS, WATER JACKETS, ALUMINUM AND CAST IRON CYLINDER HEADS; HYDRAULIC SYSTEM FLUIDS; RUST AND SCALE REMOVING CHEMICALS; CLEANING FLUID FOR CARBURETORS, FUEL PUMPS, DISTRIBUTORS, AND OTHER PARTS OF AN AUTOMOTIVE ENGINE.
Claims use since June 1936.

Ser. No. 470,724. CORNELIA JONES, doing business as The Darnoid Company, Chicago, Ill. Filed May 27, 1944.



FOR OINTMENT FOR TREATING PILES.
Claims use since Mar. 15, 1944.

Ser. No. 470,780. LUCRETIA VANDERBILT LT'D., New York, N. Y. Filed May 29, 1944.

My Hero

FOR PERFUME AND COLOGNE.
Claims use since May 20, 1944.

Ser. No. 470,842. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed June 1, 1944.



FOR WATER REPELLENT FINISH FOR TEXTILES.
Claims use since Sept. 21, 1943.

Ser. No. 470,854. JOHN HORVATH, Wallington, N. J. Filed June 2, 1944.

FA-VIZ

FOR HAIR TONIC.
Claims use since Dec. 1, 1943.

Ser. No. 470,895. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed June 3, 1944.

Strel

FOR SHAMPOO.
Claims use since Apr. 25, 1944.

Ser. No. 471,182. CAMPANA SALES COMPANY, Batavia, Ill. Filed June 13, 1944.

ANJOU

FOR COLOGNES AND PERFUMERY.
Claims use since May 26, 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 470,038. NORTHERN MALLEABLE IRON COMPANY, St. Paul, Minn. Filed May 8, 1944.



The letters in the monogram are "HTM."
FOR MALLEABLE IRON CASTINGS.
Claims use since Mar. 1, 1944.

Ser. No. 471,135. REYNOLDS METALS COMPANY, Richmond, Va. Filed June 10, 1944.

MIRACLE METAL

The word "Metal" is disclaimed apart from the mark.
FOR ALUMINUM CLAD STEEL.
Claims use since May 12, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 464,452. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Oct. 27, 1943.

W. S.

FOR POLISHING OIL IN THE NATURE OF FURNITURE POLISH, AND POLISHES FOR AUTOMOBILES, FLOORS, AND WOODEN MATERIALS.
Claims use since Aug. 27, 1943.

Ser. No. 470,871. THE WILBERT PRODUCTS CO., INC., New York, N. Y. Filed June 2, 1944.

FIXIT

FOR SCRATCH REMOVING POLISH FOR FURNITURE AND FLOORS.
Claims use since January 1944.

Ser. No. 471,436. HENNING L. WARNECKE, Cleveland, Ohio, and Hasbrouck Heights, N. J. Filed June 19, 1944.

»INNOX«

FOR CORROSION RESISTANT PAINT.
Claims use since Mar. 18, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 465,776. HUBBARD AND COMPANY, Pittsburgh, Pa. Filed Dec. 15, 1943.

AUTOGAP

FOR LIGHTNING ARRESTERS.
Claims use since June 27, 1940.

Ser. No. 465,999. BURNDY ENGINEERING COMPANY, INC., New York, N. Y. Filed Dec. 23, 1943.

HYDENT

FOR ELECTRICAL CONNECTORS.
Claims use since October 1943.

Ser. No. 466,000. BURNDY ENGINEERING COMPANY, INC., New York, N. Y. Filed Dec. 23, 1943.

HYJOINT

FOR ELECTRICAL CONNECTORS.
Claims use since October 1943.

Ser. No. 466,001. BURNDY ENGINEERING COMPANY, INC., New York, N. Y. Filed Dec. 23, 1943.

HYLINK

FOR ELECTRICAL CONNECTORS.
Claims use since March 1938.

Ser. No. 466,002. BURNDY ENGINEERING COMPANY, INC., New York, N. Y. Filed Dec. 23, 1943.

HYLUG

FOR ELECTRICAL CONNECTORS.
Claims use since March 1938.

Ser. No. 467,217. ADMIRAL CORPORATION, Chicago, Ill. Filed Feb. 7, 1944.

Admiral

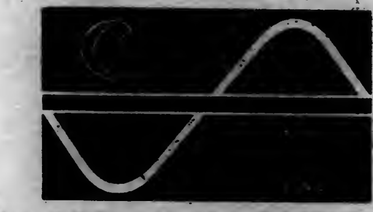
FOR RADIO RECEIVING SETS, LOUD SPEAKERS, AMPLIFIERS, VACUUM TUBES; ELECTRICALLY OPERATED RECORD PLAYERS, AUTOMATIC PHONOGRAPH RECORD PLAYERS, AUTOMATIC PHONOGRAPH RECORD CHANGERS, PHONOGRAPH RECORDERS AND REPRODUCERS, RADIO AND PHONOGRAPH COMBINATIONS; ELECTRICALLY OPERATED PHONOGRAPH RECORDERS, ELECTRICALLY DRIVEN RECORD CHANGERS, ELECTRIC FLAT IRONS, ELECTRIC WAFFLE IRONS, NON-THERAPEUTIC ELECTRIC HEATING PADS, ELECTRIC DESK LAMPS, NON-THERAPEUTIC ELECTRIC HEATING LAMPS, ELECTRIC FANS, ELECTRICALLY HEATED VAPORIZERS, ELECTRIC CURLING IRONS, ELECTRIC PERCOLATORS, ELECTRIC TOASTERS, ELECTRIC HOT PLATES, ELECTRIC FOOD MIXERS.
Claims use on radio receiving sets, loud speakers, amplifiers, and vacuum tubes since October 1929; on electrically driven record changers; electrically operated record players, automatic phonograph record players, automatic phonograph record changers, phonograph recorders and reproducers, radio and phonograph combinations; electrically operated phonograph recorders since September 1938; and on electric flat irons, electric waffle irons, non-therapeutic electric heating pads, electric desk lamps, non-therapeutic electric heating lamps, electric fans, electrically heated vaporizers, electric curling irons, electric percolators, electric toasters, electric hot plates, electric food mixers since September 1943.

Ser. No. 468,497. T. C. WHEATON CO., Millville, N. J. Filed Mar. 21, 1944.

TRONEX

FOR ELECTRONIC GLASSWARE—NAMELY, GLASS BUSHING INSULATORS, GLASS TUBE BASE HOUSINGS, GLASS CRYSTAL CASES, TUBING, BULBS, AND GLASS STAND OFF INSULATORS.
Claims use since Sept. 1, 1943.

Ser. No. 469,006. THE GENERAL INDUSTRIES COMPANY, Elyria, Ohio. Filed Apr. 4, 1944.



FOR ELECTRIC MOTORS, ELECTRIC RECORD CHANGERS FOR PHONOGRAPHS, AND ELECTRIC PHONOGRAPH RECORDERS.
Claims use since June 1941.

Ser. No. 469,007. THE GENERAL INDUSTRIES COMPANY, Elyria, Ohio. Filed Apr. 4, 1944.

G.I.

FOR ELECTRIC MOTORS, ELECTRIC RECORD CHANGERS FOR PHONOGRAPHS, AND ELECTRIC PHONOGRAPH RECORDERS.
Claims use since Feb. 15, 1944.

Ser. No. 469,008. THE GENERAL INDUSTRIES COMPANY, Elyria, Ohio. Filed Apr. 4, 1944.



FOR ELECTRIC MOTORS, ELECTRIC RECORD CHANGERS FOR PHONOGRAPHS, AND ELECTRIC PHONOGRAPH RECORDERS.
Claims use since Feb. 15, 1944.

Ser. No. 469,009. THE GENERAL INDUSTRIES COMPANY, Elyria, Ohio. Filed Apr. 4, 1944.

GI

FOR ELECTRIC MOTORS, ELECTRIC RECORD CHANGERS FOR PHONOGRAPHS, AND ELECTRIC PHONOGRAPH RECORDERS.
Claims use since Feb. 15, 1944.

Ser. No. 470,661. HARNISCHFEGER CORPORATION, Milwaukee, Wis. Filed May 26, 1944.

P & H

FOR ELECTRICAL MOTORS, ELECTRICAL BRAKES, ELECTRICAL LIMIT SWITCHES, ELECTRICAL DRUM CONTROLS, ELECTRICAL DIAL CONTROLS, FULL MAGNETIC ELECTRICAL CONTROLS, ELECTRICAL RESISTORS, VARIABLE SPEED PUSH BUTTON ELECTRICAL CONTROLS, PROTECTIVE ELECTRICAL PANELS, AND HIGH SPEED LOWERING ELECTRICAL RELAYS.
Claims use since Dec. 24, 1917.

Ser. No. 470,719. GENERAL DIE STAMPING TOOL COMPANY, New York, N. Y. Filed May 27, 1944.

ROTOMOTOR

No claim is made to the word "Motor" apart from the mark.
FOR ELECTRIC MOTORS.
Claims use since May 1939.

Ser. No. 471,460. SHELDON ELECTRIC CO., INC., Irvington, N. J. Filed June 20, 1944.

FLASH

FOR STARTER SWITCHES FOR FLUORESCENT LAMPS.
Claims use since June 6, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 467,684. FRANK BARD, Chicago, Ill. Filed Feb. 23, 1944.

BATTLE RUMMY

Applicant disclaims the word "Rummy" apart from the mark.
FOR PLAYING CARDS.
Claims use since Dec. 7, 1943.

Ser. No. 468,087. NOVEL PRODUCTS, INC., Chicago, Ill. Filed Mar. 8, 1944.

ROCKET BLOW GUN

The words "Blow Gun" are disclaimed apart from the mark.
FOR AIR PROPELLED TOY GUN WHICH SHOOTS LIGHT WEIGHT PELLETS.
Claims use since Dec. 15, 1943.

Ser. No. 469,726. HOBBY MODEL MANUFACTURING CO., INC., New York, N. Y. Filed Apr. 27, 1944.

HOBBY MODEL

No claim is made to the term "Model" except as shown.
FOR TOY EDUCATIONAL CONSTRUCTION SETS—NAMELY, MODEL AIRPLANES AND STRUCTURAL PARTS THEREOF.
Claims use since Feb. 16, 1944.

Ser. No. 470,116. THE LA SALLE COMPANY, Chicago, Ill. Filed May 10, 1944.

FELT-FUN

Applicant disclaims the word "Felt" apart from the mark.
FOR DOLL'S HATS, DOLL'S PURSES, DOLL'S HAT BOXES, AND PATTERNS THEREFOR.
Claims use since Apr. 1, 1944.

Ser. No. 471,710. NANCY ANN DRESSED DOLLS, San Francisco, Calif. Filed June 27, 1944.

LITTLE MISS SWEET MISS

FOR DOLLS AND DOLLS' CLOTHES.
Claims use since Jan. 2, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 463,175. MAY OIL BURNER CORPORATION, Baltimore, Md. Filed Sept. 2, 1943.

GEROTOR

No claim is made to the representation of a rotor device apart from the mark.
FOR GEARS FOR USE IN FLUID PUMPS AND OTHER MECHANICAL CONSTRUCTIONS.
Claims use since March 1940.

Ser. No. 464,420. REVOLVATOR COMPANY, North Bergen, N. J. Filed Oct. 26, 1943.

SKYSCRAPER

FOR PORTABLE ELEVATORS OF THE TYPE COMPRISING A PORTABLE BASE AND A PLATFORM THAT MAY BE RAISED AND LOWERED FROM THE BASE FOR USE IN SERVICING THE INTERIORS OF BUILDINGS.
Claims use since Aug. 31, 1943.

Ser. No. 468,653. WEBSTER-BRINKLEY CO., Seattle, Wash. Filed Mar. 25, 1944.

W-B

The drawing is lined to indicate the colors "green" and "red."
FOR HYDRAULIC AND STEAM-POWERED ENGINES AND CONTROL UNITS THEREFOR FOR MARINE VESSEL STEERING MECHANISMS, CAPSTANS, WINDLASSES, WINCHES, CRANES, AND LINESHAFT BEARINGS.
Claims use since on or about Apr. 1, 1943.

Ser. No. 469,452. HENRY R. VOELKER, doing business as Claus Sensaumatic Drill Company, Indianapolis, Ind. Filed Apr. 18, 1944.

SENSAUMATIC

FOR DRILL HEADS FOR AUTOMATICALLY FEEDING AND DRIVING ROTARY DRILLS AND CUTTERS.
Claims use since Sept. 18, 1938.

Ser. No. 469,865. DEFIANCE MACHINE WORKS, INC., Toledo, Ohio. Filed May 2, 1944.

DEFIANCE

FOR PLASTICS PRESSING MACHINES AND PARTS OF SUCH MACHINES.
Claims use since July 29, 1939.

Ser. No. 469,950. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee, Wis. Filed May 5, 1944.

MAGIC-GRIP

No claim is made to the word "Grip" apart from the mark.
FOR ROTARY SHEAVES, PULLEYS, AND BUSHINGS.
Claims use since Mar. 8, 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 457,030. CORNING GLASS WORKS, Corning, N. Y. Filed Nov. 25, 1942.

VYCOR

FOR LABORATORY GLASSWARE.
Claims use since May 14, 1940.

Ser. No. 459,515. HALDA AKTIEBOLAG, Svangsta, Sweden. Filed Mar. 30, 1943.

HALDA

FOR CALCULATING MACHINES, ADDING MACHINES, CASH REGISTERS, PARTS THEREOF AND ACCESSORIES THEREFOR.
Claims use since 1896.

Ser. No. 467,170. RENSON GAUGE COMPANY, Duluth, Minn. Filed Feb. 4, 1944.

PARALLOMETER

FOR DENTAL BRIDGE GAUGES.
Claims use since Aug. 13, 1943.

Ser. No. 467,418. VINCO CORPORATION, Detroit, Mich. Filed Feb. 14, 1944.

MILLIONTHS OF AN INCH FOR SALE

FOR GEAR CHECKERS, SINE BARS, INDEX PLATES, DIMENSIONAL GAGES, INDEXING AND GRADUATING FIXTURES, AND INDICATOR SURFACE GAGES.
Claims use since Dec. 9, 1943.

Ser. No. 468,188. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Mar. 11, 1944.

Brake Shoe

FOR APPARATUS FOR COMPARING THE SPEEDS OF WHEELS, SHAFTS, AND OTHER ROTATING MEMBERS AND FOR BRINGING THE SAME INTO TIMED RELATION.
Claims use since Apr. 22, 1943.

Ser. No. 470,699. LAURIE H. BULLOCK, doing business as L. H. Bullock Co., Berkeley, Calif. Filed May 27, 1944.

"Dalite"

FOR COVER GLASSES FOR ARC WELDING SHIELDS AND THE LIKE.
Claims use since June 1, 1943.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 468,009. STEIN AND ELLBOGEN COMPANY, Chicago, Ill. Filed Mar. 6, 1944.

SECO

FOR RINGS AND NECKLACES.
Claims use since Jan. 1, 1908.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 471,828. ASSOCIATED SPECIALTIES CORP., Central Falls, R. I. Filed June 30, 1944.

FREE - VUE

FOR AROUND-THE-NECK MIRRORS.
Claims use since June 10, 1944.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 459,958. INDUSTRIAL EQUIPMENT CORPORATION, Detroit, Mich. Filed Apr. 17, 1943.

HYDRO WHIRL

FOR GAS WASHERS FOR REMOVING WITH LIQUID SUSPENDED LIQUID AND SOLID PARTICLES.
Claims use since December 1940.

Ser. No. 460,609. BASTIAN-MORLEY CO., INC., doing business as Fauce Hot Heater Co., La Porte, Ind., assignor to Fauce Hot Heater Co., La Porte, Ind. Filed May 14, 1943.

FauceHot HEATER CO.

The words "Heater Co." are disclaimed apart from the mark.
FOR GAS WATER HEATERS.
Claims use since Dec. 20, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 472,056. GRIZZLY MANUFACTURING COMPANY, Los Angeles, Calif. Filed July 10, 1944.

LIBERATOR

FOR BRAKE LINING.
Claims use since May 24, 1944.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 464,584. PERMO, INCORPORATED, Chicago, Ill. Filed Nov. 1, 1943.

PERMO

FOR PHONOGRAPH STYLI.
Claims use since June 2, 1930.

Ser. No. 467,219. ADMIRAL CORPORATION, Chicago, Ill. Filed Feb. 7, 1944.

Admiral

FOR PHONOGRAPH RECORD ALBUMS.
Claims use since 1938.

Ser. No. 471,658. ANTONIO CICCONE, doing business as Ciccone Reeds, Chicago, Ill. Filed June 26, 1944.

SYMMETRICUT

FOR REEDS FOR REED MUSICAL INSTRUMENTS.
Claims use since 1937.

Ser. No. 471,734. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed June 28, 1944.

Thomas A Edison

The trade-mark consists of a copy of the signature of Thomas A. Edison, deceased.
FOR PHONOGRAPHIC APPARATUS AND EQUIPMENT—NAMELY, MACHINES FOR RECORDING DICTATION AND OTHER SPEECH AND SOUNDS, MACHINES FOR REPRODUCING DICTATION AND OTHER SPEECH AND SOUNDS, MACHINES FOR RECORDING AND REPRODUCING DICTATION AND OTHER SPEECH AND SOUNDS, SOUND RECORDS, AND SOUND RECORD BLANKS.
Claims use since 1897.

Ser. No. 471,973. JOSEPH M. DAVIS, doing business as Beacon Record Co., New York, N. Y. Filed July 7, 1944.



FOR PHONOGRAPH RECORDS.
Claims use since May 24, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 462,714. MARATHON PAPER MILLS COMPANY, Rothschild, Wis. Filed Aug. 13, 1943.

FLORATAPE

FOR PAPER ADHESIVE TAPE FOR USE AS SELF-SEALING BINDING TAPE FOR STEMS, CORSAGES, BOUQUETS, WREATHS, FESTOONS, GARLANDS, AND SIMILAR FLORAL ARRANGEMENTS.
Claims use since July 3, 1943.

Ser. No. 470,706. CONKLIN PEN COMPANY, Chicago, Ill. Filed May 27, 1944.

CRESCENT

Applicant is the owner of Reg. No. 147,763 (renewed).
FOR FOUNTAIN PENS.
Claims use since 1904.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 468,376. COLUMBIA PUBLICATIONS, INC., New York, N. Y., and Holyoke, Mass. Filed Mar. 17, 1944.

WESTERN ACTION

FOR MAGAZINE ISSUED FROM TIME TO TIME.
Claims use since June 1935.

Ser. No. 469,164. NATIONAL ASSOCIATION OF PERSONNEL DIRECTORS, Chicago, Ill. Filed Apr. 8, 1944.

PERSONNEL DIGEST

No claim is made to the word "Digest" alone.
FOR PUBLICATION ISSUED MONTHLY ON GENERAL INDUSTRIAL RELATIONS AND PARTICULARLY ON RELATIONS BETWEEN EMPLOYER AND EMPLOYEE.
Claims use since Mar. 10, 1943.

Ser. No. 469,599. IMPORT PUBLICATIONS, INC., New York, N. Y. Filed Apr. 24, 1944.

IT'S AN Hi WORLD

FOR COLUMN OR SECTION OF A MAGAZINE.
Claims use since July 1943.

Ser. No. 470,578. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed May 24, 1944.

PARERGON

FOR PUBLICATIONS CONTAINING ILLUSTRATIONS OF WORKS OF ART, ISSUED PERIODICALLY APPROXIMATELY ONCE EVERY THREE OR FOUR YEARS AND DISTRIBUTED AT IRREGULAR INTERVALS THEREAFTER.
Claims use since May 4, 1937.

Ser. No. 471,413. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed June 19, 1944.

Calling All KIDS

FOR PUBLICATION PUBLISHED QUARTERLY CONTAINING COMICS.
Claims use since May 15, 1944.

Ser. No. 471,414. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed June 19, 1944.

Calling All MEN

FOR PUBLICATION PUBLISHED QUARTERLY CONTAINING COMICS.
Claims use since May 15, 1944.

Ser. No. 471,443. ASHTON B. COLLINS, doing business as Reddy Kilowatt, Short Hills, N. J. Filed June 20, 1944.

REDDYTORIAL

FOR CONTRIBUTIONS TO TRADE JOURNALS OR THE LIKE PUBLISHED FROM TIME TO TIME.
Claims use since Mar. 5, 1943.

Ser. No. 471,606. HILLMAN PERIODICALS, INC., New York, N. Y. Filed June 24, 1944.

Pageant

FOR MAGAZINE OR PUBLICATION.
Claims use since June 21, 1944.

CLASS 39

CLOTHING

Ser. No. 458,848. DR. A. POSNER SHOES, INC., New York, N. Y. Filed Mar. 1, 1943.

RITESTEP

FOR SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since November 1938.

Ser. No. 460,075. DAVID THOMAS, INC., Boston, Mass. Filed Apr. 21, 1943.

YANKERCHIEF

FOR HANDKERCHIEFS AND SCARVES.
Claims use since Apr. 6, 1943.

Ser. No. 464,590. SILVER TROUSER MFG. CO., Chicago, Ill. Filed Nov. 1, 1943.

Life o' Ease SPORTSWEAR by Silver

The wording "Sportswear by Silver" is disclaimed apart from the mark.
FOR MEN'S WEARING APPAREL — NAMELY, COATS, PANTS, AND OUTER SHIRTS.
Claims use since Jan. 1, 1941.

Ser. No. 469,030. ALICE MAY HATS, New York, N. Y. Filed Apr. 5, 1944.

ALICIA

FOR WOMEN'S HATS.
Claims use since Feb. 24, 1944.

Ser. No. 469,729. INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Apr. 27, 1944.

ACADEMY

FOR BOOTS AND SHOES OF LEATHER, FABRIC AND/OR COMBINATIONS THEREOF.
Claims use since Mar. 1, 1902.

Ser. No. 469,901. LAIRD SCHOBER & CO., INC., Haverhill, Mass. Filed May 3, 1944. Under 10-year proviso.

Laird Schober & Co.

FOR WOMEN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, AND THEIR SYNTHETIC SUBSTITUTES, AND COMBINATIONS THEREOF.
Claims use since 1893.

Ser. No. 470,061. ADAM HAT STORES, INC., New York, N. Y. Filed May 9, 1944.

ADAM

"HIGHLAND FLING"

Applicant disclaims the surname "Adam" separately from the mark.
FOR HATS AND CAPS FOR MEN.
Claims use since Apr. 10, 1944; and since August 1933 for concentric circle and features within.

Ser. No. 470,515. SOL SHERMAN, doing business as Sherman Bows, New York, N. Y. Filed May 22, 1944.

BOWLING

FOR NECKTIES, BOW TIES, AND HANDKERCHIEFS.
Claims use since May 1, 1944.

Ser. No. 470,516. SOL SHERMAN, doing business as Sherman Bows, New York, N. Y. Filed May 22, 1944.

SHERRO

FOR NECKTIES, BOW TIES, AND HANDKERCHIEFS.
Claims use since May 1, 1944.

Ser. No. 470,545. GLADYS B. STACKHOUSE, Huntington, Long Island, N. Y. Filed May 23, 1944.

BIG BOO AND BABY BOO THE KANGAROO

FOR CHILDREN'S MUFFS.
Claims use since May 2, 1944.

Ser. No. 470,572. INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed May 24, 1944.

GOLLY WOGS

FOR BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since Sept. 30, 1941.

Ser. No. 470,697. THE BERLAND SHOE STORES, INC., St. Louis, Mo. Filed May 27, 1944.

Ponce deLeon ETERNAL YOUTH

FOR WOMEN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Apr. 1, 1944.

Ser. No. 470,818. LANSBURGH & BRO., Washington, D. C. Filed May 31, 1944.

Lanora

FOR SHOES MADE OF LEATHER, FABRIC, RUBBER AND/OR ANY COMBINATION THEREOF.
Claims use since Sept. 1, 1936.

Ser. No. 471,049. REAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed June 8, 1944.

Realon

FOR HOSIERY.
Claims use since May 31, 1944.

Ser. No. 471,088. SAM LANDAU, New York, N. Y. Filed June 9, 1944.

HEAVENLEES

FOR LADIES' AND MISSES' SLIPS, NIGHTGOWNS, NEGLIGEES, AND NEGLIGEE ENSEMBLES.
Claims use since Apr. 6, 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 455,426. ERNEST ALEXANDER DUNBAR, doing business as Dunbar & Nairn, Glasgow, Scotland. Filed Sept. 9, 1942.

Dunairn

FOR WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF ALL IN THE PIECE.
Claims use since 1941.

Ser. No. 457,948. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Filed Jan. 16, 1943.

DAYTEX

FOR TEXTILE MATERIAL IN THE PIECE WOVEN FROM TREATED COTTON, RAYON, NYLON, AND VINYON CORD, INTENDED FOR USE IN MAKING TIRES, V-BELTS, AND FOR OTHER LIKE PURPOSES.
Claims use since Jan. 20, 1940.

Ser. No. 460,019. EDDIE BAUER, Seattle, Wash. Filed Apr. 20, 1943.

Snuggle Down

Applicant disclaims the word "Down" apart from the mark.
FOR COMFORTERS AND QUILTS PADDED WITH DISCRETE INSULATIVE MATERIAL.
Claims use since Apr. 1, 1943.

Ser. No. 465,411. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio. Filed Dec. 1, 1943.

COL-O-VIN

FOR TEXTILE PIECE GOODS OF COTTON, RAYON, SILK, WOOL, LINEN, WHICH HAS BEEN PROCESSED TO MAKE IT WATER REPELLENT.
Claims use since Apr. 27, 1943.

Ser. No. 465,412. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio. Filed Dec. 1, 1943.

COL-O-PRENE

FOR TEXTILE PIECE GOODS OF COTTON, RAYON, SILK, WOOL, LINEN, WHICH HAS BEEN PROCESSED TO MAKE IT WATER REPELLENT.
Claims use since Oct. 29, 1943.

Ser. No. 468,774. EDWIN E. BERLINER & Co., New York, N. Y. Filed Mar. 29, 1944.

ALLTYME

FOR WOVEN PIECE GOODS CONSISTING OF COTTON, RAYON, WOOL, "ARALAC" OR FLAX FIBRES.
Claims use since Mar. 15, 1944.

Ser. No. 468,842. ARTHUR S. HEIMAN, INC., New York, N. Y. Filed Mar. 30, 1944.

HY-SHAN

FOR RAYON PIECE GOODS.
Claims use since January 1944.

Ser. No. 469,277. J. ROSENHOLZ, INC., New York, N. Y. Filed Apr. 12, 1944.

SHEER EVENT

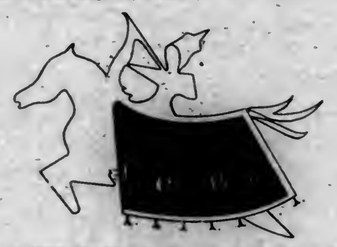
No claim is made to the word "Sheer" apart from the mark.
FOR RAYON PIECE GOODS.
Claims use since July 1940.

Ser. No. 470,179. FOREMAN FABRICS INC., New York, N. Y. Filed May 12, 1944.

barberry

FOR WOVEN FABRICS IN THE PIECE OF COTTON, RAYON, AND SILK, AND MIXTURES THEREOF.
Claims use since July 1941.

Ser. No. 470,180. FOREMAN FABRICS INC., New York, N. Y. Filed May 12, 1944.



FOR WOVEN FABRICS IN THE PIECE OF COTTON, RAYON, AND SILK, AND MIXTURES THEREOF.
Claims use since Aug. 26, 1941.

Ser. No. 470,181. FOREMAN FABRICS INC., New York, N. Y. Filed May 12, 1944.



FOR WOVEN FABRICS IN THE PIECE OF COTTON, RAYON, AND SILK, AND MIXTURES THEREOF.
Claims use since October 1942.

Ser. No. 470,766. HEGO FABRICS, INC., New York, N. Y. Filed May 29, 1944.

SPITFIRE

FOR PIECE GOODS OF RAYON YARNS.
Claims use since June 1939.

Ser. No. 470,774. RUTGER FABRICS CORPORATION, New York, N. Y. Filed May 29, 1944.

AQUANON

FOR RAYON PIECE GOODS.
Claims use since May 5, 1944.

Ser. No. 470,960. CANTOR GREENSPAN CO., INC., New York, N. Y. Filed June 7, 1944.

KAJAK

FOR SPUN RAYON CLOTH.
Claims use since May 2, 1944.

Ser. No. 470,961. CANTOR GREENSPAN CO., INC., New York, N. Y. Filed June 7, 1944.

SUNTEGRA

FOR SPUN RAYON CLOTH.
Claims use since May 2, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 470,175. DERNA PRODUCTS, New York, N. Y. Filed May 12, 1944.

MINUS

FOR ADHESIVE STRIPS USED IN REMOVING HAIR FROM THE HUMAN BODY.
Claims use since Feb. 20, 1944.

Ser. No. 470,186. CEIL GOLDFINE, doing business as V-Brands, New York, N. Y. Filed May 12, 1944.

JEEPS

FOR PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since Mar. 1, 1944.

Ser. No. 470,254. CAMERON HEARTOMETER COMPANY, Chicago, Ill. Filed May 15, 1944.

HEARTOMETER

FOR INSTRUMENTS USED TO DETERMINE AND RECORD THE SYSTOLIC AND DIASTOLIC BLOOD PRESSURE, THE PULSE RATE, THE FORCE AND FORM OF THE HEART IMPULSES, AND THE ARTERIAL CHANGES THROUGHOUT THE EXTREMITIES IN MEDICAL, SURGICAL, AND DENTAL PRACTICE.
Claims use since Feb. 1, 1936.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 470,082. MYER 1890 BOTTLING CO. INC., New York, N. Y. Filed May 9, 1944. Under 10-year proviso.

MYER 1890

FOR NON-ALCOHOLIC NON-CEREAL MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since 1890.

Ser. No. 470,690. TOWNE TALK COMPANY, Los Angeles, Calif. Filed May 26, 1944.

TOWNE PRIDE



FOR ORANGE JUICE, SYRUPS, EXTRACTS AND FLAVOR BASES FOR MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since May 18, 1944.

Ser. No. 470,807. THE SQUIRT COMPANY, Beverly Hills, Calif. Filed May 30, 1944.

Squirt

FOR NONALCOHOLIC GRAPEFRUIT DRINK AND BASES AND SYRUPS AND EXTRACTS FOR MAKING SAME.
Claims use since June 5, 1937.

Ser. No. 470,808. 20TH CENTURY BEVERAGE CO., Philadelphia, Pa. Filed May 30, 1944.



FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS CARBONATED BEVERAGES, SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME.
Claims use since Feb. 23, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 443,313. THE WILSON MERCANTILE CO., Wausau, Wis. Filed May 6, 1941.

VALLEY QUEEN

FOR CANNED VEGETABLES—NAMELY, ASPARAGUS, BEETS, PEAS, WAX AND GREEN BEANS, KIDNEY BEANS, CORN, SAUER KRAUT, PUMPKIN, SPINACH, TOMATOES, CARROTS, MIXED VEGETABLES; CANNED FRUIT — NAMELY, APRICOTS, BLACKBERRIES, CHERRIES, FRUIT COCKTAIL, GRAPEFRUIT, PEACHES, PEARS, PINEAPPLE, PINEAPPLE JUICE USED AS A FOOD, RASPBERRIES, STRAWBERRIES; MISCELLANEOUS: GROCERIES—NAMELY, TEA, COFFEE, SPICES, VANILLA AND LEMON EXTRACTS FOR FOOD FLAVORING PURPOSES, CORN SYRUP, CANNED EVAPORATED MILK, CANNED SHRIMP AND SALMON, ROLLED OATS, PUFFED WHEAT, PUFFED RICE, CATSUP, CHILI SAUCE, SALAD DRESSING, MUSTARD, OLIVES, PICKLES, VINEGAR, COCOA, CORN STARCH FOR CULINARY PURPOSES, PANCAKE FLOUR, COCOANUT, MACARONI, SPAGHETTI, CHEESE, PEANUT BUTTER, MINCE MEAT, MARASCHINO CHERRIES, PEACH, PEAR, PINEAPPLE, APRICOT, RASPBERRY, STRAWBERRY, LOGANBERRY AND BOYSENBERRY PRESERVES, AND SALT.
Claims use since April 1912.

Ser. No. 460,458. CHAUNCEY M. STORMES, doing business as Iowa Feed Company, Des Moines, Iowa. Filed May 6, 1943.

IFCO

FOR FEED SUPPLEMENTS CONTAINING VITAMINS SAID SUPPLEMENTS BEING USED PARTICULARLY FOR CATTLE, HOGS, AND SHEEP.
Claims use since May 1, 1943.

Ser. No. 462,682. HILLTOP FARM FEED COMPANY, Minneapolis, Minn. Filed Aug. 12, 1943.

SUNMINERAL

FOR LIVE STOCK FEED FOR CATTLE AND HOGS IN THE NATURE OF A SWEETENED AND FLAVORED MINERAL COMPLEX.
Claims use since July 15, 1943.

Ser. No. 466,686. S. ALBERTSON COMPANY, INC., Boston, Mass. Filed Jan. 19, 1944.

TASTUM

FOR FRESH DECIDUOUS FRUITS—NAMELY, APPLES AND PEARS.
Claims use since Oct. 28, 1943.

Ser. No. 470,491. WILLIAM L. DURLAND, doing business as William L. Durland Bakery, Somerville, Mass. Filed May 22, 1944.



The representation of the police officer is fanciful.
FOR BREAD.
Claims use since Feb. 7, 1939.

Ser. No. 470,530. THE WILLIAM H. GUMPERTZ CO., Oxnard, Calif. Filed May 23, 1944.

DIANDE

FOR FRESH VEGETABLES.
Claims use since Apr. 29, 1944.

Ser. No. 470,950. WASHINGTON SALES, INC., Wenatchee, Wash. Filed June 6, 1944.

NUCHIEF

FOR FRESH DECIDUOUS FRUITS.
Claims use since May 25, 1944.

Ser. No. 471,000. RICHEY & GILBERT COMPANY, Yakima, Wash. Filed June 7, 1944.



The applicant is the owner of registrations No. 348,581, dated Aug. 3, 1937, and No. 349,596, dated Aug. 31, 1937. No claim is made to the words "Pack" or "Peach" apart from the mark.
FOR FRESH DECIDUOUS FRUITS — NAMELY, FRESH PEACHES.
Claims use since August 1935.

Ser. No. 471,001. RICHEY & GILBERT COMPANY, Yakima, Wash. Filed June 7, 1944.



The applicant is the owner of registrations No. 348,581, dated Aug. 3, 1937, and No. 349,596, dated Aug. 31, 1937. No claim is made to the words "Pack" or "Pear" apart from the mark.
FOR FRESH DECIDUOUS FRUITS — NAMELY, FRESH PEARS.
Claims use since August 1935.

Ser. No. 471,002. RICHEY & GILBERT COMPANY, Yakima, Wash. Filed June 7, 1944.



The applicant is the owner of registration No. 348,581, dated Aug. 3, 1937, and registration No. 349,596, dated Aug. 31, 1937. No claim is made to the words "Pack" or "Prune" apart from the mark.
FOR FRESH DECIDUOUS FRUITS — NAMELY, FRESH PRUNES.
Claims use since August 1935.

Ser. No. 471,375. WHITE LABORATORIES, INC., Newark, N. J. Filed June 17, 1944.

livex

FOR POULTRY AND LIVESTOCK FEED SUPPLEMENT.
Claims use since Apr. 20, 1944.

Ser. No. 471,404. W. E. KAMPHEFNER, Exeter, Calif. Filed June 19, 1944.

WE

Applicant is owner of Reg. No. 254,319, dated Mar. 19, 1929.
FOR FRESH DECIDUOUS FRUITS — NAMELY, PEACHES.
Claims use since July 1943.

Ser. No. 471,440. VIRGINIA E. AMICK, Seattle, Wash. Filed June 20, 1944.

RAPACO

FOR VEGETABLE COOKING SHORTENING.
Claims use since June 6, 1944.

Ser. No. 471,503. WHETA LIMITED, Belfast, Northern Ireland. Filed June 21, 1944.

REFENA

FOR PREPARATIONS OF WHEAT FLOUR FOR USE IN MAKING BREAD, CAKES, AND THE LIKE.
Claims use since January 1943.

Ser. No. 471,589. COBB CANNING COMPANY, Cobb, Wis. Filed June 24, 1944.

OUR LITTLE HELPER

FOR CANNED CORN.
Claims use since June 6, 1944.

CLASS 47

WINES

Ser. No. 470,935. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn, N. Y. Filed June 6, 1944.

Mouquinet

FOR WINES.
Claims use since May 7, 1941.

Ser. No. 471,465. BEN WATSTEIN, doing business as Guttenberg Wine Co., New York, N. Y., and Guttenberg, N. J. Filed June 20, 1944.

ROYAL STATE

FOR WINES.
Claims use since Jan. 1, 1944.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 466,541. J. M. PORTELA & CO., INC., Arecibo, P. R. Filed Jan. 13, 1944.

RON PLAYA

Applicant disclaims the word "Ron."
FOR RUM.
Claims use since Oct. 2, 1943.

Ser. No. 470,233. ROYAL LIQUORS COMPANY, North Bergen, N. J. Filed May 13, 1944.

BLUE BOOK BRAND

The word "Brand" is disclaimed apart from the mark.
FOR WHISKEY.
Claims use since May 1, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 22, 1944

408,608. FABRICS WOVEN FROM TWISTED PAPER STRANDS, SOLD AS YARDAGE, TO BE USED IN THE MANUFACTURE OF AUTOMOBILE SEAT COVERS, SLIPPERS, BEACH BAGS, LUGGAGE COVERING, ETC. Southern Mills, Incorporated, Atlanta, Ga.
Filed January 27, 1943. Serial No. 458,198. PUBLISHED JUNE 13, 1944. Class 42.

408,609. DECORATIVE PAPER SPECIALTIES, SPECIFICALLY, TABLE MATS, DOILIES, WALL PAPER, AND PAPER BORDERS. Trimz Company, Inc., Chicago, Ill.
Filed February 18, 1943. Serial No. 458,828. PUBLISHED JUNE 13, 1944. Class 37.

408,610. BRASS FORGINGS, BRASS CASTINGS AND WELDING RODS. Titan Metal Manufacturing Company, Bellefonte, Pa.
Filed June 10, 1943. Serial No. 461,293. PUBLISHED JUNE 13, 1944. Class 14.

408,611. WOOLEN PIECE GOODS—NAMELY, SUITINGS, COATINGS, OVERCOATINGS AND UNIFORM MATERIAL; SILK PIECE GOODS, ETC. Wawak Company, Inc., Chicago, Ill.
Filed September 13, 1943. Serial No. 463,388. PUBLISHED JUNE 13, 1944. Class 42.

408,612. JEWELRY—NAMELY, PEARLS AND DIAMOND RINGS. Argenzio Brothers, Denver, Colo.
Filed October 16, 1943. Serial No. 464,193. PUBLISHED JUNE 13, 1944. Class 28.

408,613. LEATHER OIL. Standard Oil Company of New Jersey, Wilmington, Del.
Filed October 27, 1943. Serial No. 464,451. PUBLISHED JUNE 13, 1944. Class 4.

408,614. INK OIL. Standard Oil Company of New Jersey, Wilmington, Del.
Filed October 27, 1943. Serial No. 464,453. PUBLISHED JUNE 13, 1944. Class 11.

408,615. WHEAT FLOUR. Robert M. Peek, doing business as Peek Bros. and Superior Flour Company, Little Rock, Ark.
Filed September 4, 1943. Serial No. 464,497. PUBLISHED JUNE 6, 1944. Class 46.

408,616. TEXTILE FABRICS IN THE PIECE—NAMELY, COTTON AND RAYON FABRICS, WOOL AND RAYON FABRICS, AND FABRICS MADE OF A MIXTURE OF CELLULOSE ACETATE YARNS AND OTHER RAYON YARNS. North Carolina Fabrics Corporation, Salisbury, N. C.
Filed November 16, 1943. Serial No. 465,043. PUBLISHED JUNE 13, 1944. Class 42.

408,617. FOUNTAIN MARKERS AND TIPS THEREFOR AND STENCIL BOARD. Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo.
Filed December 1, 1943. Serial No. 465,417. PUBLISHED JUNE 13, 1944. Class 37.

408,618. PAPER ARTICLES—NAMELY, ABSORBENT PADS OR SHEETS USED FOR SANITARY NECKBANDS, SANITARY CAPES, SANITARY CAPS, ETC. International Cellucotton Products Co., Chicago, Ill.
Filed December 4, 1943. Serial No. 465,505. PUBLISHED JUNE 6, 1944. Class 37.

408,619. SHOE CEMENT FOR USE IN THE MANUFACTURE AND REPAIR OF SHOES ONLY. Wisconsin Chemical Products Company, Milwaukee, Wis.
Filed December 29, 1943. Serial No. 466,187. PUBLISHED MARCH 21, 1944. Class 5.

408,620. HIGH VOLATILE COAL. The Kearns Coal Company, Cincinnati, Ohio.
Filed January 5, 1944. Serial No. 466,330. PUBLISHED JUNE 13, 1944. Class 1.

408,621. MOLDED NEEDLED FELTED VEGETABLE FIBRE MATERIALS IN SHEET FORM OR IN CURVED SHAPES CUT THEREFROM FOR REMOLDING IN FINAL SHAPES. Columbian Rope Company, Auburn, N. Y.
Filed January 17, 1944. Serial No. 466,636. PUBLISHED JUNE 6, 1944. Class 50.

408,622. UNIVERSAL SIGNAL GENERATORS FOR TESTING RADIO RECEIVING SETS AND TRANSMITTERS, A. C. SIGNAL TRACERS, BATTERY SIGNAL TRACERS, ETC. Radex Corporation, Chicago, Ill.
Filed January 21, 1944. Serial No. 466,769. PUBLISHED JUNE 13, 1944. Class 21.

408,623. VAPOR LAMPS AND OTHER LAMPS GIVING THERAPEUTIC RAYS. Hanovia Chemical and Manufacturing Company, Newark, N. J.
Filed January 24, 1944. Serial No. 466,836. PUBLISHED JUNE 13, 1944. Class 44.

408,624. BLANKETS MADE OF WOOL, AND COTTON AND COMBINATIONS THEREOF. Nashua Manufacturing Company, Boston, Mass.
Filed February 22, 1944. Serial No. 467,668. PUBLISHED JUNE 13, 1944. Class 42.

408,625. PAPER DRESS PATTERNS. George M. Laub, New York, N. Y.
Filed February 24, 1944. Serial No. 467,721. PUBLISHED JUNE 13, 1944. Class 26.

408,626. PAPER DRESS PATTERNS. George M. Laub, New York, N. Y.
Filed February 24, 1944. Serial No. 467,723. PUBLISHED JUNE 13, 1944. Class 26.

408,627. CARBON BLACK. J. M. Huber, Inc., New York, N. Y.
Filed March 7, 1944. Serial No. 468,032. PUBLISHED JUNE 6, 1944. Class 1.

408,628. PREPARATION IN PASTE OR SEMI-PASTE FORM TO BE APPLIED TO LEATHER AS A DRESSING, POLISH AND FINISH THEREFOR. K. J. Quinn & Co. Inc., Boston, Mass.
Filed March 10, 1944. Serial No. 468,159. PUBLISHED JUNE 13, 1944. Class 4.

408,629. COTTON FABRICS IN THE PIECE. Exeter Manufacturing Company, Exeter, N. H.
Filed March 13, 1944. Serial No. 468,234. PUBLISHED JUNE 6, 1944. Class 42.

408,630. PETROLEUM WAX USED FOR MATCHES. Industrial Raw Materials Corporation, New York, N. Y.
Filed March 14, 1944. Serial No. 468,288. PUBLISHED JUNE 13, 1944. Class 15.

408,631. PETROLEUM WAX USED FOR MATCHES. Industrial Raw Materials Corporation, New York, N. Y.
Filed March 14, 1944. Serial No. 468,292. PUBLISHED JUNE 13, 1944. Class 15.

408,632. COMBINATION ARTICLE OF FURNITURE INVOLVING A CABINET-MOUNTED FOLDING BED PROVIDED WITH UTILITY COMPARTMENTS. Jay Perry Stoltz, Columbus, Ohio.
Filed March 17, 1944. Serial No. 468,397. PUBLISHED JUNE 13, 1944. Class 32.

408,633. RESIN-IMPREGNATED VEGETABLE FIBER MATERIAL IN SHEET FORM OR IN SHAPES CUT THEREFROM FOR MOLDING. Columbian Rope Company, Auburn, N. Y.
Filed March 20, 1944. Serial No. 468,437. PUBLISHED JUNE 6, 1944. Class 1.

408,634. GAMES PLAYED WITH CARDS. The Electric Game Co., Inc., Holyoke, Mass.
Filed March 20, 1944. Serial No. 468,444. PUBLISHED JUNE 13, 1944. Class 22.

408,635. WHEELED PUSH TOYS. Ben G. Jeffries, Atlanta, Ga.
Filed March 20, 1944. Serial No. 468,453. PUBLISHED JUNE 13, 1944. Class 22.

408,636. FRESH VEGETABLES. Bryan S. Smith, doing business as Bryan Smith Farms, Bakersfield, Calif.
Filed March 20, 1944. Serial No. 468,477. PUBLISHED JUNE 13, 1944. Class 46.

408,637. PACKAGED MUFFIN MIX. Libby, McNeill & Libby, Chicago, Ill.
Filed March 24, 1944. Serial No. 468,615. PUBLISHED JUNE 13, 1944. Class 46.

408,638. WOOLEN AND WORSTED FABRICS IN THE PIECE. Siegel Bros. Garment Corp., New York, N. Y.
Filed March 24, 1944. Serial No. 468,638. PUBLISHED JUNE 6, 1944. Class 42.

408,639. WOOLEN AND WORSTED FABRICS IN THE PIECE. Siegel Bros. Garment Corp., New York, N. Y.
Filed March 24, 1944. Serial No. 468,639. PUBLISHED JUNE 6, 1944. Class 42.

408,640. DIAMOND RINGS. Wilson's Leading Jewelers, Inc., Syracuse, N. Y.
Filed March 24, 1944. Serial No. 468,652. PUBLISHED JUNE 6, 1944. Class 28.

408,641. ABRASIVE GRINDING WHEELS AND POLISHING WHEELS. New York Grinding Wheel Corporation, New York, N. Y.
Filed March 25, 1944. Serial No. 468,679. PUBLISHED JUNE 13, 1944. Class 4.

408,642. LEATHER. The Ohio Leather Company, Girard, Ohio.
Filed March 25, 1944. Serial No. 468,680. PUBLISHED JUNE 6, 1944. Class 1.

408,643. COATED AND UNCOATED PRINTING PAPER. Bryant Paper Company, Kalamazoo, Mich.
Filed March 27, 1944. Serial No. 468,695. PUBLISHED JUNE 6, 1944. Class 37.

408,644. PRINTING PAPER. Bryant Paper Company, Kalamazoo, Mich.
Filed March 27, 1944. Serial No. 468,696. PUBLISHED JUNE 6, 1944. Class 37.

408,645. COATED PRINTING PAPER. Bryant Paper Company, Kalamazoo, Mich.
Filed March 27, 1944. Serial No. 468,698. PUBLISHED JUNE 6, 1944. Class 37.

408,646. COATED PRINTING PAPER. Bryant Paper Company, Kalamazoo, Mich.
Filed March 27, 1944. Serial No. 468,700. PUBLISHED JUNE 13, 1944. Class 37.

408,647. FISHING TACKLE—NAMELY, RODS, REELS, LINES, BAITS, LURES, AND LEADERS. Lewis W. Enholm, Quincy, Mass.
Filed March 27, 1944. Serial No. 468,710. PUBLISHED JUNE 13, 1944. Class 22.

408,648. COMMINUTED MIXTURE OF SILICA AND GLASS FORMED INTO AGGLOMERATES WITH SODA ASH AND ADAPTED TO BE UTILIZED IN THE PRODUCTION OF GLASS. Garco Products, Inc., near Connoquenessing, Pa.
Filed March 29, 1944. Serial No. 468,788. PUBLISHED JUNE 6, 1944. Class 1.

408,649. COMMINUTED MIXTURE OF SILICA AND GLASS HAVING PROPERTIES WHICH ADAPT IT AS A FILLER FOR COMPOUNDED RUBBER, PAINT, PLASTICS, AND SIMILAR MATERIALS. Garco Products, Inc., near Connoquenessing, Pa.
Filed March 29, 1944. Serial No. 468,789. PUBLISHED JUNE 13, 1944. Class 1.

408,650. WATCHES AND WATCH MOVEMENTS. Harry Rodman, New York, N. Y.
Filed March 29, 1944. Serial No. 468,816. PUBLISHED JUNE 6, 1944. Class 27.

408,651. SMOKERS' PIPES. L. & H. Stern, Inc., Brooklyn, N. Y.
Filed March 29, 1944. Serial No. 468,822. PUBLISHED JUNE 6, 1944. Class 8.

408,652. WOOLEN AND WORSTED FABRICS IN THE PIECE. Siegel Bros. Garment Corp., New York, N. Y.
Filed April 3, 1944. Serial No. 468,977. PUBLISHED JUNE 13, 1944. Class 42.

408,653. WELDING ELECTRODES WHICH ARE CONSUMED IN THE WELDING OPERATION, WELDING, BRAZING, AND SOLDERING RODS AND WIRES, ETC. Rene D. Wasserman, doing business as Eutectic Welding Alloys Company, New York, N. Y.
Filed April 4, 1944. Serial No. 469,028. PUBLISHED JUNE 6, 1944. Class 14.

408,654. RADIO RECEIVING SETS AND PARTS THEREOF, AND ELECTRIC TOASTERS. H. A. Astlett & Co., New York, N. Y.
Filed April 7, 1944. Serial No. 469,106. PUBLISHED JUNE 13, 1944. Class 21.

408,655. FRUIT JAM. Goodwin Preserving Co., Louisville, Ky.
Filed April 7, 1944. Serial No. 469,123. PUBLISHED JUNE 6, 1944. Class 46.

408,656. DOLLS AND TOY ANIMALS. Constance Bannister, New York, N. Y.
Filed April 8, 1944. Serial No. 469,142. PUBLISHED JUNE 13, 1944. Class 22.

408,657. CANDY BARS. King Cole Company, Chicago, Ill.
Filed April 10, 1944. Serial No. 469,202. PUBLISHED JUNE 13, 1944. Class 46.

408,658. METALLIC RODS AND ELEMENTS FOR REPAIRING CRACKED AND BROKEN CASTINGS OF STEEL, IRON, OR OTHER METALS. Lawrence B. Scott, doing business as Metalock Company, Columbus, Ohio.
Filed April 10, 1944. Serial No. 469,213. PUBLISHED JUNE 13, 1944. Class 14.

408,659. CANNED VEGETABLES, CANNED FRUITS, AND CANNED FISH. Webster-Thomas Company, Boston, Mass.
Filed April 12, 1944. Serial No. 469,291. PUBLISHED JUNE 13, 1944. Class 46.

408,660. SYNCHRONOUS ELECTRIC MOTORS. Electrolux Corporation, Old Greenwich, Conn.
Filed April 13, 1944. Serial No. 469,297. PUBLISHED JUNE 13, 1944. Class 21.

408,661. GOGGLES. Dubois Plastic Products, Inc., Buffalo, N. Y.
Filed April 14, 1944. Serial No. 469,328. PUBLISHED JUNE 13, 1944. Class 26.

408,662. HARD SURFACING WELDING ROD. Ben F. Doke, doing business as Mir-O-Col Alloy Co., Los Angeles, Calif.
Filed April 15, 1944. Serial No. 469,355. PUBLISHED JUNE 13, 1944. Class 14.

408,663. CANNED FOODS—NAMELY, CANNED FISH. WILBUR-ELLIS COMPANY, San Francisco, Calif. Filed April 17, 1944. Serial No. 469,423. PUBLISHED JUNE 13, 1944. Class 46.

408,664. WEDDING RINGS, ENGAGEMENT RINGS, AND DIAMOND RINGS. BAUMAN-MASSA JEWELRY COMPANY, St. Louis, Mo. Filed March 25, 1944. Serial No. 468,657. PUBLISHED JUNE 6, 1944. Class 28.

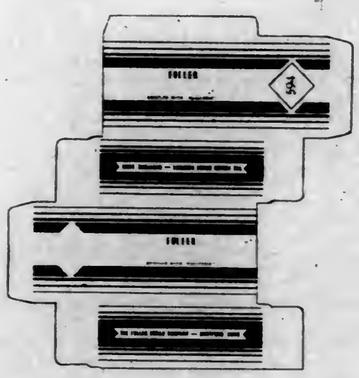
408,665. GAME BOARDS. WILLIAM P. MCGRATH, Wadsworth, Kans. Filed April 26, 1944. Serial No. 469,688. PUBLISHED JUNE 13, 1944. Class 22.

408,666. COATED PRINTING PAPER. BRYANT PAPER COMPANY, Kalamazoo, Mich. Filed March 27, 1944. Serial No. 468,697. PUBLISHED JUNE 6, 1944. Class 37.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

408,667. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE FULLER BRUSH COMPANY, Hartford, Conn. Filed Nov. 14, 1941. Serial No. 448,638.



FOR BRUSHES EMPLOYED FOR PERSONAL USE, SPECIFICALLY HAIRBRUSHES.
Claims use since June 1940.

408,668. (CLASS 39. CLOTHING.) BART J. DI TOSTI, New York, N. Y. Filed Apr. 24, 1943. Serial No. 460,138.

Gene Bart

FOR LADIES' BLOUSES, SHIRT WAISTS AND DRESSES.
Claims use since Apr. 10, 1943.

408,669. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY M. LEVIN, doing business as Golden Brand Food Products Company, Philadelphia, Pa. Filed May 28, 1943. Serial No. 460,996.

DAIRY SPREAD

FOR SALAD DRESSING.
Claims use since Mar. 15, 1943.

408,670. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE GRUEN WATCH COMPANY, Cincinnati, and Time Hill, Cincinnati, Ohio. Filed June 14, 1943. Serial No. 461,373.

PAN AMERICAN TIMER

Applicant is the owner of Reg. No. 407,940.
FOR WATCHES, WATCH CASES AND WATCH MOVEMENTS.
Claims use since June 4, 1943.

408,671. (CLASS 37. PAPER AND STATIONERY.) R. D. MCDILL, Cleveland Heights, Ohio. Filed July 9, 1943. Serial No. 461,957.

FAX-FILM

FOR BLANK FORMS—NAMELY, DATA CARDS CARRYING STRIPS OF FILMS.
Claims use since June 5, 1943.

408,672. (CLASS 39. CLOTHING.) STANDARD BLOUSE, INC., New York, N. Y. Filed July 13, 1943. Serial No. 462,058.

Susan Manners ★

FOR LADIES' BLOUSES.
Claims use since June 1, 1943.

408,673. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STEWART STAMPING COMPANY, New York, N. Y. Filed July 15, 1943. Serial No. 462,102.

GRIP-IT

FOR ELECTRIC TERMINALS.
Claims use since June 25, 1943.

408,674. (CLASS 7. CORDAGE.) GENERAL PRINTED STRING CO., Milwaukee, Wis. Filed Oct. 14, 1943. Serial No. 464,134.

Tensul-Tape

FOR FLAT COTTON RIBBON OR TAPE FOR WINDINGS AND WRAPPINGS.
Claims use since June 1943.

408,675. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) CONTEE L. ADAMS, doing business as Contee Adams Seed Company, Purcellville, Va. Filed Oct. 28, 1943. Serial No. 464,461.



The drawing is lined for green and yellow.
FOR SEED WHEAT, SEED CORN, SEED BARLEY, SEED RYE, SEED OATS, SEED CLOVER, SEED ORCHARD GRASS, SEED ALFALFA, SEED LESPEDEZA, AND SEED TIMOTHY.
Claims use since July 1, 1942.

408,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. U. DELAPENHA & CO., INC., New York, N. Y. Filed Nov. 16, 1943. Serial No. 465,019.

GODILLOT

FOR OLIVE OIL IN DRUMS, TINS, AND BOTTLES, EGG NOODLES WITH SPAGHETTI SAUCE, CHICKEN LIVER PATE, SLICED CHICKEN MEAT, BAR-LE-DUC JELLY.
Claims use since 1918.

408,677. (CLASS 31. FILTERS AND REFRIGERATORS.) BRUNNER MANUFACTURING COMPANY, Utica, N. Y. Filed Dec. 8, 1943. Serial No. 465,617.

BRUNNER

FOR CONDENSERS AND CONDENSING UNITS FOR REFRIGERATION, ICE MAKING, AND FREEZING SYSTEMS.
Claims use since October 1932.

408,678. (CLASS 39. CLOTHING.) MORRIS W. HAFT & BROTHERS, New York, N. Y., assignors to Morris W. Haft & Bros., Inc., New York, N. Y., a corporation of New York. Filed Feb. 22, 1944. Serial No. 467,665.

RAMÉBLOOM

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, AND COAT AND SUIT ENSEMBLES.
Claims use since Feb. 1, 1943.

408,679. (CLASS 39. CLOTHING.) SIEGEL BROS. GARMENT CORP., New York, N. Y. Filed Apr. 3, 1944. Serial No. 468,986.

LUSTRELAINE

FOR LADIES' AND MISSES' COATS AND SUITS OF WOOLEN FABRICS.
Claims use since Apr. 1, 1936.

408,680. (CLASS 39. CLOTHING.) LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Apr. 25, 1944. Serial No. 469,637.

WARMite

FOR MEN'S AND BOYS' TOPCOATS AND OVERCOATS AND SUITS.
Claims use since Jan. 1, 1943.

408,681. (CLASS 31. FILTERS AND REFRIGERATORS.) WILLIAM MCKINLEY BAIRD, Chicago, Ill. Filed May 3, 1944. Serial No. 469,886.

COLD BLAST

FOR REFRIGERATED LOCKER UNITS.
Claims use since Dec. 12, 1936.

408,682. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HASTINGS CANVAS & MFG. CO., Hastings, Nebr. Filed May 6, 1944. Serial No. 469,991.

SOIL SOAKER

FOR POROUS CANVAS HOSE-LIKE WATERERS FOR IRRIGATION.
Claims use since October 1937.

408,683. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDERIC H. JOHNSON, doing business as Spice Islands Company, San Francisco, Calif. Filed May 15, 1944. Serial No. 470,269.

SPICE ISLANDS

The applicant is the owner of registration No. 395,020 dated May 5, 1942.

FOR FOOD PRODUCTS—NAMELY, RED WINE VINEGAR FLAVORED WITH GARLIC, RED WINE VINEGAR FLAVORED WITH ESCHALOT, WHITE WINE VINEGAR WITH BASIL, RED WINE VINEGAR FLAVORED WITH TARRAGON AND SPICES, SEEDS, LEAVES, AND HERBS FOR FOOD FLAVORING PURPOSES—NAMELY, SEASONING SALT, CELERY SALT, GARLIC SALT, ONION SALT, PAPRIKA, CHILI POWDER, MUSTARD MAYONNAISE GRIND, GROUND WHITE PEPPER, WHOLE WHITE PEPPER, CHEESE, CAYENNE PEPPER, MEDIUM BLACK PEPPER, CRACKED BLACK PEPPER, WHOLE BLACK PEPPER, GROUND CARDAMON, CURRY POWDER, GROUND NUTMEG, GROUND MACE, GROUND ALLSPICE, GROUND GINGER, STICK CINNAMON, CRACKED CINNAMON, GROUND CINNAMON, WHOLE CLOVES, GROUND CLOVES, NEPAUL PEPPER, PICKLING SPICES, CHERVIL, GROUND CORIANDER SEED, SAFFRON USED FOR SEASONING FOODS, WHOLE MUSTARD SEED, FENNEL SEED, WHOLE CELERY SEED, GROUND CELERY SEED,, TARRAGON, THYME, SPEARMINT, WINTER SAVORY, SUMMER SAVORY, SAGE, ROSEMARY, PEPPERMINT, PARSLEY, OREGANO, MARJORAM, BAY LEAVES, SMOKE SALT, SWEET BASIL, GUMBO FILE, CUMIN SEED, POPPY SEED, SESAME SEED, DILL SEED, ANISE SEED, CARAWAY SEED, AND DRIED MUSHROOMS.

Claims use since Mar. 17, 1941.

408,684. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WILLIAM M. FENCIL COMPANY, Huntley, Ill. Filed June 28, 1944. Serial No. 471,737.

RESINOID

FOR GASKETS.

Claims use since Apr. 16, 1942.

TRADE-MARK REGISTRATIONS RENEWED

25,218. **"QUINTON" AND DESIGN.** CANNED AND PRESERVED FRUITS AND VEGETABLES. Registered September 11, 1894. REEVES, PARVIN & CO., Philadelphia, Pa. Re-renewed September 11, 1944, to Angus Watson & Co. (America) Limited, San Francisco, Calif., a corporation of California, assignee.

25,312. **NUTROLACTIS.** MEDICINAL PREPARATION INTENDED TO INCREASE THE FLOW OF HUMAN MILK. Registered October 9, 1894. THE NUTROLACTIS COMPANY, New York, N. Y., a corporation of New York. Re-renewed October 9, 1944.

25,501. **F. A. STUART.** LOZENGES OR TABLETS FOR THE TREATMENT OF DYSPEPSIA AND DISORDERS OF DIGESTION. Registered November 13, 1894. FRANK ALFRED STUART. Re-renewed November 13, 1944, to F. A. Stuart Co., Marshall, Mich., a corporation of Michigan, assignee.

25,554. **REPRESENTATION OF A GLOVER'S CIRCULAR PARING KNIFE HELD BY THE HANDLE IN A HAND.** CHILDREN'S, WOMEN'S, AND MEN'S LEATHER GLOVES, FABRIC AND WOOLEN GLOVES, CUFFS AND MITTENS. Registered November 27, 1894. FOWNES BROTHERS & CO., London, England. Re-renewed November 27, 1944, to Fownes Brothers & Co. Incorporated, New York, N. Y., a corporation of New York, assignee.

170,834. **ALPINA.** SWISS CHEESE. Registered July 24, 1923. ALPINA CHEESE CO., Burgdorf, Switzerland, a corporation of Switzerland. Renewed July 24, 1943.

172,573. **"CHALET" AND DRAWING.** SWISS CHEESE. Registered September 11, 1923. ALPINA CHEESE CO., Burgdorf, Switzerland, a corporation of Switzerland. Renewed September 11, 1943.

182,778. **"GRADY'S GOLDEN GLOW" AND DRAWING.** POLISH FOR BRASS, COPPER, BRONZE, NICKEL, TIN, ETC. Registered April 15, 1924. THE GRADY MFG. CO., Long Island City, N. Y. Renewed April 15, 1944, to Oil Specialties & Refining Co., Inc., Brooklyn, N. Y., a corporation of New York, successor.

183,821. **"ENDURE" AND DRAWING.** BUTCHERS' KNIVES, CANE KNIVES, MACHETES, STEEL TABLE KNIVES, POCKETKNIVES, SHEARS, AND FILES. Registered May 6, 1924. J. & J. BEAL. Renewed May 6, 1944, to J. & J. Beal Limited, Sheffield, England, a body corporation of Great Britain, assignee.

185,508. **"STEELCRAFT" AND DESIGN.** JUVENILE AUTOMOBILES AND TRUCKS, TOY AUTOMOBILES AND TRUCKS, COASTER WAGONS, AND CHILDREN'S PLAY FURNITURE. Registered June 17, 1924. THE MURRAY PRODUCTS COMPANY, Detroit, Mich. Renewed June 17, 1944, to The Murray Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, assignee.

185,740. **WANO.** MIXED FEED, COTTONSEED MEAL, COTTONSEED CAKE, AND COTTONSEED HULLS. Registered June 24, 1924. THE OTIS GIN & WAREHOUSE COMPANY, Carlsbad and Loving, N. Mex. Renewed June 24, 1944, to The Otis Gin & Warehouse Company, Loving, N. Mex., a corporation of New Mexico.

185,920. **RED FOX.** POISONED KERNELS TO KILL RODENTS AND OTHER VERMIN. Registered June 24, 1924. JOHN B. MEYERS, Hudson, Iowa. Renewed June 24, 1944, to John G. Ralston, Waterloo, Iowa, successor.

185,985. **FEMAFORM.** MEDICINAL PREPARATION—VIZ, SUPPOSITORIES. Registered July 1, 1924. LAUBER & LAUBER CO. Renewed July 1, 1944, to Lauber-Rucker Medicine Co., Chicago, Ill., a corporation of Illinois, successor.

186,406. **"MY BREAD" AND DRAWING.** BREAD. Registered July 8, 1924. PAUL DUCHAINE. Renewed July 8, 1944, to Joseph P. Duchaine, doing business as My Bread Baking Company, New Bedford, Mass., assignee.

186,473. **"HERO" AND DRAWING.** BLEACHED COTTON PIECE GOODS. Registered July 8, 1924, B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Renewed July 8, 1944, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island, assignee by mesne assignments.

186,474. **"LILY OF THE VALLEY" AND DRAWING.** BLEACHED COTTON PIECE GOODS. Registered July 8, 1924. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Renewed July 8, 1944, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island, assignee by mesne assignments.

186,475. **"PONTIAC" AND DRAWING.** BLEACHED COTTON PIECE GOODS. Registered July 8, 1924. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Renewed July 8, 1944, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island, assignee by mesne assignments.

186,808. **HUSKY.** SOCKET WRENCHES AND SOCKET-WRENCH SETS. Registered July 22, 1924. SIGMUND MANDL, Milwaukee, Wis. Renewed July 22, 1944, to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut, assignee by mesne assignments.

186,898. **TEXCOMO.** COFFEE. Registered July 22, 1924. KUZMA DOMINICK JAKOVICH, Galveston, Tex. Renewed July 22, 1944.

187,743. **GRANITE ROCK.** LINIMENT FOR CUTS, BURNS, BRUISES, CORNS, CHILBLAINS, AND ALL ACHES AND PAINS. Registered August 12, 1924. FRED G. PENN, Wallingford, Vt. Renewed August 12, 1944, to Fred G. Penn, South Wallingford, Vt.

187,820. **—LIKE ORANGES? DRINK ORANGE-CRUSH.** NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. Registered August 12, 1924. ORANGE-CRUSH COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 12, 1944.

187,907. **"HARTFORD-SAXONY".** TEXTILE CARPETS AND RUGS. Registered August 12, 1924. BIGELOW-HARTFORD CARPET CO., Clinton, Mass., Thompsonville, Conn., and New York, N. Y. Renewed August 12, 1944, to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts, by change of name.

187,961. **ASTRAKANSK.** RUSSIAN CAVIAR. Registered August 12, 1924. VITA FISH PRESERVING WORKS. Renewed August 12, 1944, to Vita Food Products, Incorporated, New York, N. Y., a corporation of New York, assignee.

188,072. **USTIKON.** RUBBER SOLES FOR BOOTS AND SHOES. Registered August 19, 1924. AUBURN RUBBER COMPANY. Renewed August 19, 1944, to Auburn Rubber Corporation, Auburn, Ind., a corporation of Delaware, successor.

188,156. **TINY-TIMS.** PICKLES. Registered August 19, 1924. MRS. E. G. KIDD, INCORPORATED. Renewed August 19, 1944, to Pin Money Brands, Incorporated, Richmond, Va., a corporation of Virginia, assignee by mesne assignments.

188,273. **LUNCHEON.** EVAPORATED MILK. Registered August 19, 1924. THE DEFIANCE DAIRY PRODUCTS COMPANY. Renewed August 19, 1944, to The Defiance Milk Products Company, Defiance, Ohio, a corporation of Ohio, successor.

188,347. **BON AMI.** EXTENSION-HANDLED TOOL TO WHICH MAY BE FASTENED CLOTH, CHAMOIS, OR OTHER MATERIAL FOR WASHING AND CLEANING WINDOWS AND FOR GENERAL HOUSEHOLD CLEANING. Registered August 26, 1924. THE BON AMI COMPANY, INC., Wilmington, Del., and New York, N. Y. Renewed August 26, 1944, to The Bon Ami Company, Inc., New York, N. Y., a corporation of Delaware.

188,354. **"H MARK OF QUALITY" AND DRAWING.** CANNED, SALTED, SPICED, AND SMOKED FISH. Registered August 26, 1924. HANSON FISH PRODUCTS CO., Duluth, Minn. Renewed August 26, 1944, to Hanson Fish Products Co., Minneapolis, Minn., a corporation of Minnesota.

189,039. **HANDI-PACK.** NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Registered September 9, 1924. ORANGE-CRUSH COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 9, 1944.

189,247. **E. Z.** LEATHER GARMENT-SUPPORTING BELTS. Registered September 16, 1924. DORSEY M. WIRTH, Bucyrus, Ohio. Renewed September 16, 1944.

189,322. **"CUPPLES TOUGH AS A RHINO" AND DRAWING.** RUBBER HEELS. Registered September 16, 1924. CUPPLES COMPANY, MANUFACTURERS, St. Louis, Mo., a corporation of Missouri. Renewed September 16, 1944.

189,463. **STAY SLIM.** CORSETS. Registered September 16, 1924. STROUSE, ADLER & CO. Renewed September 16, 1944, to The Strouse, Adler Company, New Haven, Conn., a corporation of Connecticut, assignee.

189,657. **"NUCHAR" AND DESIGN.** ACTIVATED AND UNACTIVATED CARBONS AND CARBONACEOUS MATERIALS FOR USE IN FILTERING, CLARIFYING, AND DECOLORIZING LIQUIDS. Registered September 23, 1924. SUCHAR PROCESS CORPORATION, Dover, Del. Renewed September 23, 1944, to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

190,352. **ICY-HOT.** BOTTLES, JARS, CARAFES, JUGS; COFFEE, TEA, CHOCOLATE, AND OTHER POTS AND PITCHERS; FLASKS; TANKARDS; CONTAINERS FOR SOLID, LIQUID, AND VISCOUS FOODS AND CASINGS AND CUPS THEREFOR AND SUPPORTS, BRACKETS, STANDS, HANDLES, HOLDERS, AND TRAYS FOR THE SAME; SALT SHAKERS, PEPPER SHAKERS, TABLE KNIVES, TABLE FORKS, TABLESPOONS, SUGAR SPOONS, PICKLE FORKS, AND OTHER CERTAIN NAMED ARTICLES, MADE WHOLLY OR IN PART OF PRECIOUS METAL OR PLATED OR ORNAMENTED WITH THE SAME. Registered October 14, 1924. THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company. Renewed October 14, 1944, to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio, assignee by mesne assignments.

190,611. **TALCOMPACT.** TOILET POWDERS. Registered October 14, 1924. FRENCH COSMETIC MFG. CO. INC., New Rochelle, N. Y. Renewed October 14, 1944, to Heather Company, Jersey City, N. J., a corporation of New Jersey, assignee by mesne assignments.

190,873. **LUSTRWAX.** FLOOR AND FURNITURE WAX. Registered October 28, 1924. WALTER T. TERRY, JR., Wichita, Kans. Renewed October 28, 1944, to S. W. Chapman, Kansas City, Mo., assignee by mesne assignments.

191,007. **"RODEO" AND DRAWING.** PANTS, COATS, BREECHES, KNICKERBOCKERS, NEGLIGEE AND WORK SHIRTS, OVERALLS, AND LEATHER BOOTS. Registered October 28, 1924. HICKS-HAYWARD CO., El Paso, Tex., a corporation of Texas. Renewed October 28, 1944.

191,312. **DEXSTAR.** PAPER, AND PARTICULARLY TOILET PAPER, TISSUE PAPER, AND MANIFOLD PAPER. Registered November 4, 1924. C. H. DEXTER & SONS, INC., Windsor Locks, Conn., a corporation of Connecticut. Renewed November 4, 1944.

191,313. **"DEXSTAR" AND DESIGN.** PAPER, AND PARTICULARLY TOILET PAPER, TISSUE PAPER, AND MANIFOLD PAPER. Registered November 4, 1924. C. H. DEXTER & SONS, INC., Windsor Locks, Conn., a corporation of Connecticut. Renewed November 4, 1944.

191,543. **ARISTOCRAT.** CANNED FRUIT. Registered November 11, 1924. F. E. BOOTH CO. Renewed November 11, 1944, to F. E. Booth Company, Inc., San Francisco, Calif., a corporation of Nevada, assignee.

191,569. **ICY-HOT.** PLATES, CUPS, JUGS, AND DISHES, OF CHINA, PORCELAIN, AND EARTHENWARE. Registered November 11, 1924. THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company. Renewed November 11, 1944, to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio, assignee by mesne assignments.

191,829. **"ROYAL" AND DESIGN.** FINE AND COARSE GROUND CORN PRODUCTS—NAMELY, CORN MEAL. Registered November 18, 1924. STANDARD TILTON MILLING CO., St. Louis, Mo. Renewed November 18, 1944, to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware, assignee.

191,830. **"AMERICAN BEAUTY" AND DRAWING.** FINE AND COARSE GROUND CORN PRODUCTS—NAMELY, CORN MEAL, CORN CHOPS, CORNCOB MEAL AND GRITS. Registered November 18, 1924. STANDARD TILTON MILLING CO., St. Louis, Mo. Renewed November 18, 1944, to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware, assignee.

192,125. **PERFECTO.** HYDROCARBON BLACK USED IN THE MANUFACTURE OF RUBBER TIRES, RUBBER GOODS, PHONOGRAPH RECORDS, PAINTS, VARNISHES, ENAMELS, PRINTING INK, STENCILING INK, DRAWING INK, WRITING INK, STOVE POLISH, SHOE POLISH, LACQUERS, CARBON PAPER, PAPER, BUTTONS, CELLULOID, ELECTRICAL INSULATION, COLORS, AND IN THE COLORING AND DYEING OF CLOTH, ARTIFICIAL STONE, CEMENTWORK, FERTILIZERS, LEATHER GOODS, AND CUSHIONS. Registered November 25, 1924. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Renewed November 25, 1944, to United Carbon Company, Inc. (Maryland), Charleston, W. Va., a corporation of Maryland, assignee by mesne assignments.

192,274. **"REAL SHARP" AND DRAWING.** POCKETKNIVES, HUNTING KNIVES, KITCHEN AND BUTCHER KNIVES, RAZORS, HAIR CLIPPERS, SHEARS AND SCISSORS, CARVING SETS, AND BUTCHER SAWS. Registered December 2, 1924. AERIAL CUTLERY MANUFACTURING COMPANY, Marinette, Wis., a corporation of Wisconsin. Renewed December 2, 1944.

192,361. **LA TRES-URE PERLES.** NECKLACES. Registered December 2, 1924. MORRIS, MANN & REILLY, INC. Renewed December 2, 1944, to Harry Morris Associates, Chicago, Ill., a limited copartnership, assignee.

192,384. **REPRESENTATION OF "HERCULES".** TURPENTINE AND PINE OIL. Registered December 2, 1924. HERCULES POWDER COMPANY, Wilmington, Del., a corporation of Delaware. Renewed December 2, 1944.

192,385. **HERCULES.** TURPENTINE AND PINE OIL. Registered December 2, 1924. HERCULES POWDER COMPANY, Wilmington, Del., a corporation of Delaware. Renewed December 2, 1944.

192,452. **JUMBO JUG.** THERMOS BOTTLES. Registered December 2, 1924. THE AMERICAN THERMOS BOTTLE COMPANY. Renewed December 2, 1944, to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio, assignee.

192,599. **BODICETTE.** CORSETS AND BRASSIÈRE CORSETS. Registered December 9, 1924. STROUSE, ADLER & CO. Renewed December 9, 1944, to The Strouse, Adler Company, New Haven, Conn., a corporation of Connecticut, assignee.

192,610. **"SCIENCE" AND DRAWING.** CHEMICAL COMPOUND RECOMMENDED FOR CLEANING, POLISHING, LUBRICATING, CUTTING, GRINDING, STAMPING, DRAWING, STRIPPING, ANTIRUSTING, AND NEUTRALIZING. Registered December 9, 1924. OAKLEY CHEMICAL COMPANY. Renewed December 9, 1944, to Oakite Products, Inc., New York, N. Y., a corporation of New York, assignee.

192,611. **OAKITE.** CHEMICAL COMPOUND RECOMMENDED FOR CLEANING, POLISHING, LUBRICATING, CUTTING, GRINDING, STAMPING, DRAWING, STRIPPING, ANTIRUSTING, AND NEUTRALIZING. Registered December 9, 1924. OAKLEY CHEMICAL COMPANY. Renewed December 9, 1944, to Oakite Products, Inc., New York, N. Y., a corporation of New York, assignee.

192,628. **NORTHERN LIGHTS.** WOOLEN PIECE GOODS. Registered December 9, 1924. STRONG HEWAT & CO., INC., New York, N. Y., a corporation of New York. Renewed December 9, 1944.

192,663. **THEATRE GUILD.** PRINTED BOOKS OF A SERIES. Registered December 9, 1924. THEATRE GUILD, INC., New York, N. Y., a corporation of New York. Renewed December 9, 1944.

192,671. **JIFFYSTENCIL.** GLUE PAPER WHICH IS USED IN THE MONUMENT TRADE TO COVER THE FACE OF MARBLE IN LETTERING AND DESIGN WORK BY THE SAND-BLAST PROCESS. Registered December 9, 1924. PANGBORN CORPORATION, Hagerstown, Md., a corporation of Maryland. Renewed December 9, 1944.

192,693. **DELART.** FIBER RUGS. Registered December 9, 1924. DELTOX GRASS RUG COMPANY. Renewed December 9, 1944, to Deltox Rug Company, Oshkosh, Wis., a corporation of Wisconsin, by change of name.

192,698. **KAL-A-BASH KLOTH.** WOOLEN PIECE GOODS. Registered December 9, 1924. STRONG HEWAT & CO., INC., New York, N. Y., a corporation of New York. Renewed December 9, 1944.

192,736. **"THE THEATRE GUILD INC." AND DRAWING.** PRINTED BOOKS OF A SERIES. Registered December 9, 1924. THEATRE GUILD, INC., New York, N. Y., a corporation of New York. Renewed December 9, 1944.

192,767. **BRADURA.** COTTON, SILK, AND WOOLEN PIECE GOODS. Registered December 9, 1924. BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I., a corporation of Rhode Island. Renewed December 9, 1944.

192,859. **"HOYT" AND DESIGN.** WATER HEATERS. Registered December 16, 1924. HOYT HEATER COMPANY, Vernon, Calif. Renewed December 16, 1944, to Hoyt Heater Co., Los Angeles, Calif., a limited copartnership, assignee.

192,861. **"APPLETON A" AND DRAWING.** COTTON PIECE GOODS. Registered December 16, 1924. APPLETON COMPANY, Lowell, Mass. Renewed December 16, 1944, to Appleton Company, Anderson, S. C., a corporation of Massachusetts.

192,879. **"PENN OAK" AND DRAWING.** HIDES, SKIN AND LEATHER. Registered December 16, 1924. PENN LEATHER COMPANY, Philadelphia, Pa., a corporation of Delaware. Renewed December 16, 1944.

192,881. **REPRESENTATION OF A THREAD OF BLUE AND YELLOW YARNS IN A STRAND OF ROPE.** MANILA ROPE AND CABLE. Registered December 16, 1924. THE EDWIN H. FILTER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed December 16, 1944.

192,887. **SOLFAST.** COTTON, SILK, AND WOOLEN PIECE GOODS. Registered December 16, 1924. BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I., a corporation of Rhode Island. Renewed December 16, 1944.

192,888. **BRADLUSTRA.** COTTON, SILK AND WOOLEN PIECE GOODS. Registered December 16, 1924. BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I., a corporation of Rhode Island. Renewed December 16, 1944.

192,902. **THE LONE SCOUT.** SECTION OF A MAGAZINE. Registered December 16, 1924. BOY SCOUTS OF AMERICA, New York, N. Y., a corporation of the District of Columbia by Act of Congress. Renewed December 16, 1944.

192,911. **"THE TOOLS YOU SWEAR BY AND NEVER AT".** PIPE CUTTERS, PIPE-CUTTER WHEELS, PIPE VISES, VISE STANDS, PIPE DIES, AND PIPE DIESTOCKS. Registered December 16, 1924. THE NYE TOOL & MACHINE WORKS. Renewed December 16, 1944, to Nye Tool & Machine Co., Chicago, Ill., a corporation of Illinois, by change of name.

192,923. **GOLDEN GATE PARK.** GRASS SEED. Registered December 16, 1924. C. C. MORSE & CO. Renewed December 16, 1944, to Ferry Morse Seed Co., San Francisco, Calif., a corporation of Michigan, assignee.

192,970. **"MICHELEX" AND DESIGN.** BEANS IN THEIR NATURAL STATE. Registered December 16, 1924. MICHIGAN ELEVATOR EXCHANGE, Lansing, Mich., a corporation of Michigan. Renewed December 16, 1944.

192,978. **CINDERELLA FLEXIBLE OAK.** LEATHER. Registered December 16, 1924. THE DENVER LEATHER CO., Denver, Colo., a corporation of Colorado. Renewed December 16, 1944.

192,981. **VELVELOUR.** COTTON BATHROBE AND LOUNGING ROBE BLANKETS IN THE PIECE. Registered December 16, 1924. THE ESMOND MILLS. Renewed December 16, 1944, to The Esmond Mills, Inc., Esmond, Smithfield, R. I., a corporation of Rhode Island, assignee.

192,986. **CHAMPION.** KNITTING PINS, CROCHET HOOKS, HAND SEWING NEEDLES, THIMBLES MADE FROM BASE METAL OR CELLULOID, BEADS, STILETTOS, STITCH HOLDERS, BONE RINGS FOR CROCHET WORK, EMBROIDERY FRINGES, BRASS RINGS FOR EMBROIDERY WORK, BODKINS, STAMPED PIECE GOODS, EMBROIDERY HOOPS, SILK BRAID AND CHENILLE BRAID FOR EMBROIDERY PURPOSES. Registered December 16, 1924. GOTTLIEB BROTHERS, New York, N. Y., a firm. Renewed December 16, 1944.

192,987. **HELIUS.** BRONZE POWDERS. Registered December 16, 1924. UNITED STATES BRONZE POWDER WORKS, INC., New York, N. Y., a corporation of New York. Renewed December 16, 1944.

192,996. **"GREENFIELD" AND DESIGN.** HAMS AND BACONS. Registered December 16, 1924. HAMMOND STANDISH & CO., Detroit, Mich., a corporation of Michigan. Renewed December 16, 1944.

193,005. **"CINDERELLA" AND DRAWING.** INFANTS', CHILDREN'S, AND MISSES' HATS. Registered December 16, 1924. CINDERELLA HAT CO., INC. Renewed December 16, 1944, to Ben Touster, doing business as Cinderella Hat Co., New York, N. Y., successor.

193,048. **UNIVERSAL.** FRESH CITROUS FRUITS—NAMELY, FRESH ORANGES AND FRESH LEMONS. Registered December 16, 1924. WHITTIER SELECT CITRUS ASSOCIATION, Whittier, Calif., a corporation of California. Renewed December 16, 1944.

193,049. **"MOZART" AND PORTRAIT.** CANNED VEGETABLES AND CANNED BERRIES. Registered December 16, 1924. THE WINOBE CANNING COMPANY, Circleville, Ohio, a corporation of Ohio. Renewed December 16, 1944.

193,078. **ROD & REEL.** RUBBER BOOTS. Registered December 16, 1924. CONVERSE RUBBER SHOE CO. Renewed December 16, 1944, to Converse Rubber Company, Malden, Mass., a corporation of Massachusetts, assignee.

193,082. **BRONCHO.** SHOES MADE WITH CANVAS TOPS AND RUBBER SOLES. Registered December 16, 1924. CONVERSE RUBBER SHOE CO. Renewed December 16, 1944, to Converse Rubber Company, Malden, Mass., a corporation of Massachusetts, assignee.

193,102. **I-O-A.** CANNED VEGETABLES. Registered December 16, 1924. CEDAR FALLS CANNING CO., Cedar Falls, Iowa, a corporation of Iowa. Renewed December 16, 1944.

REISSUES

AUGUST 22, 1944

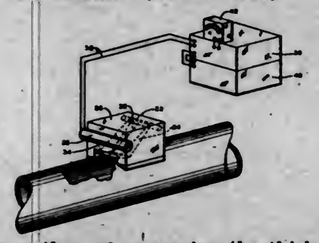
22,531

METHOD AND APPARATUS FOR MEASURING THICKNESS

Donald G. C. Hare, Roslyn, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware

Original No. 2,277,756, dated March 31, 1942, Serial No. 342,422, June 26, 1940. Application for reissue April 22, 1944, Serial No. 532,318

10 Claims. (Cl. 250—83.6)



1. The method of measuring the thickness of a wall from one side thereof which comprises directing a beam of penetrative radiation into said wall from one side thereof, and determining from the same side of said wall the amount of radiation scattered in the material of the wall and returned outwardly of said side.

22,532

COMPOSITE INSULATING MATERIAL AND METHOD OF MAKING SAME

Raymond P. Lutz, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original No. 2,172,445, dated September 12, 1939, Serial No. 108,610, October 31, 1936. Application for reissue January 28, 1943, Serial No. 473,864

8 Claims. (Cl. 154—2.6)



1. An insulating material comprising a fibrous sheet impregnated with a composition of cellulose acetate and an alcohol-soluble resin having a methoxy content of about 3% to about 6% which is extracted from pine wood with a coal tar hydrocarbon and from which resin has been extracted with a light petroleum hydrocarbon, said fibrous sheet having a sheet of cellulose acetate adhered to one face thereof to form a composite sheet.

2. A method of making an insulating material which comprises adhering a sheet of cellulose acetate to one face of a composition comprising a fibrous material impregnated with cellulose acetate and with a resin which is the residue formed by extracting pine wood with a coal tar hydrocarbon, evaporating the coal tar hydrocarbon and other volatile constituents from the extract to produce a solid residue, extracting rosin from said residue with a light petroleum hydrocarbon, and separating the rosin extract from the remaining residue, which is substantially insoluble, in light petroleum hydrocarbons and recovering the remaining residue.

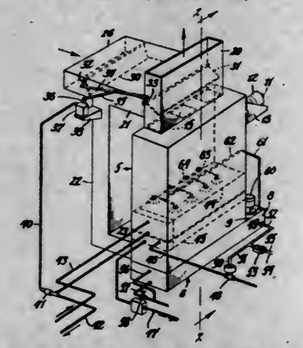
22,533

APPARATUS FOR COOLING A STREAM OF FLUID

Martin H. Olstad, Bayside, and Allan E. Williams, White Plains, N. Y., assignors to Niagara Blower Company, New York, N. Y., a corporation of New York

Original No. 2,296,946, dated September 29, 1942, Serial No. 419,412, November 17, 1941. Application for reissue October 11, 1943, Serial No. 505,865

8 Claims. (Cl. 257—2)

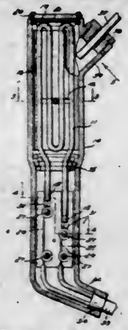


1. A heat exchange device for cooling a stream of fluid, comprising means forming a chamber having an air inlet at one end and an air outlet at its opposite end, a fan arranged to force a stream of air from said inlet, through said chamber and out through said outlet, a cooling coil arranged in the stream of air passing through said chamber, means for discharging and distributing water over said cooling coil to wet the exterior of said cooling coil and to evaporate and absorb heat therefrom, means for continuously conducting the said stream of fluid to be cooled through said cooling coil, a duct for conducting outside air to said air inlet, a recirculation duct conducting a part of the stream of air leaving said chamber back to said air inlet and means for adjusting the relative amounts of outside and recirculated air admitted to said air inlet to maintain a minimum surface temperature of said cooling coil comprising damper means in the currents of outside and recirculated air passing through said outside air and recirculated air ducts and movable to restrict the flow of one of said currents of air and to relieve the restriction to the flow of the other of said currents of air and vice versa and a thermostat responsive to the temperature of said stream of fluid and regulating said dampers.

7. A heat exchange device for maintaining a fluid in a selected temperature range determined by the character of the fluid by cooling a stream of said fluid and preventing the temperature thereof from falling below said temperature range, comprising means forming a chamber having an air inlet at one end connecting with the outside air and an air outlet at its opposite end,

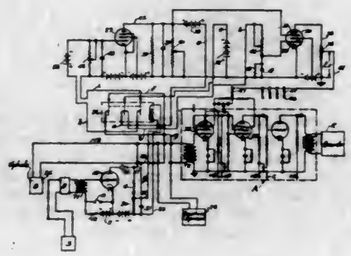
a fan arranged to force a stream of air from said inlet, through said chamber and out through said outlet, a cooling coil arranged in the stream of air passing through said chamber, means for continuously conducting the said stream of fluid to be cooled through said cooling coil, said stream of air normally being heated through heat derived from said stream of fluid passing through said cooling coil, a recirculation duct conducting a part of the stream of air leaving said chamber back to said air inlet, and means for adjusting the relative amounts of outside and recirculated air admitted to said air inlet to prevent the temperature of said fluid in said cooling coil from falling below said temperature range, comprising damper means in the currents of outside and recirculated air passing through said outside and recirculated air ducts and movable to restrict the flow of one of said currents of air and to relieve the restriction to the flow of the other of said currents of air and vice versa and thermostat means responsive to the temperature of one of said streams and regulating said damper.

22,534
ULTRAVIOLET LIGHT SOURCE
Willis O. Prouty, Hermosa Beach, Calif., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, New York, N. Y., a corporation of Pennsylvania
Original No. 2,093,735, dated September 21, 1937, Serial No. 524,649, March 23, 1931. Application for reissue February 18, 1939, Serial No. 257,172
11 Claims. (Cl. 176—122)



1. In a device for producing ultra-violet radiations having a high intensity in the wave band from 2000 to 2540 Angstrom units, a tube capable of passing such radiations, said tube having an internal diameter no greater than seven millimeters, a filling for the tube of one or more noble monatomic gases, and means for impressing an energizing potential difference across the column of gas in the tube.

22,535
MASTER CONTROL FOR ELECTRIC SEISMOGRAPHS
Edwin J. Shimek, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Original No. 2,317,334, dated April 20, 1943, Serial No. 320,132, February 21, 1940. Application for reissue April 14, 1944, Serial No. 530,992
10 Claims. (Cl. 177—352)

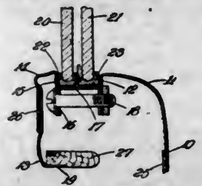


8. A method of recording seismic waves initially of high amplitude, thereafter of intermediate amplitude and finally of low amplitude, which comprises amplifying and recording the first of said high-amplitude waves, then substantially reducing the amplification and recording the remaining high-amplitude waves, thereafter increasing at a predetermined rate for a predetermined time the amplification and recording said waves of intermediate amplitude, and thereafter rapidly increasing the gain in amplification to a maximum and recording said seismic waves of low amplitude.

PATENTS

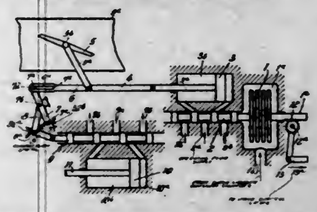
GRANTED AUGUST 22, 1944

2,356,123
MOUNTING OF WINDOW GLASS IN VEHICLE WALL STRUCTURES
Edmund Speed, Headington, Oxford, England, assignor to Pressed Steel Company Limited, Cowley, Oxford, England, a British company
Application March 8, 1940, Serial No. 322,902
In Great Britain March 10, 1939
2 Claims. (Cl. 296—47)



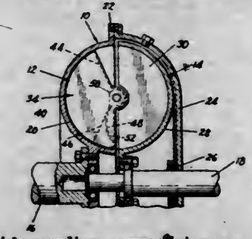
1. In a vehicle wall structure such as a door; an outer panel and an inner panel, both surrounding a window opening; window-retaining means formed between the panels along all four margins of the opening; said means constituting at least along the upper and lower margins of the opening channels adapted for the reception of the corresponding margins of a window; the bottom wall of the channel along the lower margin of the opening being removably connected to the remainder of the structure so as to permit the insertion or removal of the window upon removal of said bottom wall whereas the window is securely held in said structure when said bottom wall is secured in place.

2,356,124
SUPERCHARGER
Albert Stieglitz, Berlin-Spandau, Germany; vested in the Alien Property Custodian
Application May 4, 1938, Serial No. 205,992
In Germany March 16, 1937
4 Claims. (Cl. 230—114)



1. A regulating device for the supercharger of an internal combustion engine having a throttle arranged in the supercharger for controlling its charging pressure, a variable speed transmission for driving the supercharger, hand-controlled means for varying the throttle position, means for varying the ratio of said transmission and a toggle joint controlled by said throttle and disposed to actuate said speed varying means in accordance with the varying throttle positions beyond a given normal range, so that if the transmission is in a lower gear, it is adjusted to a higher gear when the throttle is opened wider, and if the transmission is in a higher gear it is adjusted into a lower gear when the throttle is moved toward closing position, said toggle joint having a lost motion connection with said throttle to permit within said given range variations of the throttle position without actuating said toggle joint and said speed ratio varying means.

2,356,125
FLUID COUPLING
Harvey C. Swift, Detroit, Mich.
Application May 28, 1941, Serial No. 395,675
3 Claims. (Cl. 60—54)



3. A fluid coupling comprising an impeller and a runner providing in conjunction with one another a fluid circuit, and blades on the impeller and runner, an annular passage between the impeller and runner, said blades on the impeller movable directly under the influence of centrifugal force to channel the passage so as to direct the course of fluid flow from the impeller to the runner, and spring means within each blade of the impeller for normally retaining the blade in a radial inward position.

2,356,126
BATHING CAP
Béla Szekeres, Budapest, Hungary; vested in the Alien Property Custodian
No Drawing. Application August 6, 1940, Serial No. 351,649. In Hungary August 22, 1939
1 Claim. (Cl. 2—68)

A method for making two-ply ornamented bathing caps, comprising first making a main rubber cap body from a layer of flat material, embossing spaced convexo-concave ornamentations in a separate single rubber sheet member, by depositing an aqueous rubber dispersion onto a mould provided with spaced patterns for forming said convexo-concave ornamentations, then enclosing the concave ornamentations of said separate single sheet member with the exterior surface of said main cap body, and then securing the unembossed surface of said single rubber sheet member to said main body so as to form closed hollow spaces between said embossed member and said main body, whereby the shape of said hollow spaces will be substantially maintained by said main rubber cap body.

2,356,127
LUBRICANT
Robert M. Thomas, Union, and William J. Sparks, Cranford, N. J., assignors to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application December 29, 1937, Serial No. 182,252
5 Claims. (Cl. 252—59)

4. A lubricant composition comprising in combination a mineral hydrocarbon having a normal

viscosity at 100° in the neighborhood of 275, and dissolved therein a synthetic thickener comprising an interpolymer of isobutylene with a substantial amount of a diolefin, less than about 15%, the said interpolymer being characterized by solubility in hydrocarbons, reactivity with sulfur, and being a soft, rubbery, plastic, elastic, high molecular weight substance.

2,356,128

MIXED OLEFINIC POLYMERIZATION PROCESS AND PRODUCT

Robert M. Thomas, Union, and William J. Sparks, Cranford, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application October 20, 1939, Serial No. 300,336
36 Claims. (Cl. 260—79)

1. The process of preparing a solid plastic, hydrocarbon interpolymer comprising the step of reacting together a major proportion of an aliphatic isoolefin having 4 to 7, inclusive carbon atoms per molecule with a minor proportion of a conjugated aliphatic diolefin having 4 to 8, inclusive, carbon atoms per molecule at a temperature between —50° C. and —160° C. in the presence of a polymerization catalyst comprising aluminum chloride dissolved in an organic solvent characterized by less than 3 carbon atoms per molecule, a freezing point below —50° C. and non reactivity with aluminum chloride.

2,356,129

OLEFINIC POLYMERIZATION PROCESS AND PRODUCT

William J. Sparks, Elizabeth, and Robert M. Thomas, Union, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application August 30, 1941, Serial No. 408,992
22 Claims. (Cl. 260—79)

1. The process of preparing a solid plastic hydrocarbon interpolymer which is reactive with sulfur to give an elastic product comprising the steps of reacting together a major proportion of an aliphatic isoolefin having 4 to 7, inclusive, carbon atoms per molecule, with a minor proportion of an aliphatic diolefin having 5 carbon atoms per molecule, at a temperature between 0° C. and —160° C. in the presence of a polymerization catalyst comprising a Friedel-Crafts catalyst dissolved in a solvent which forms no complex with the Friedel-Crafts catalyst and is liquid at the reaction temperature.

2,356,130

OLEFIN-DIOLEFIN COPOLYMERS

Robert M. Thomas, Union, and William J. Sparks, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application September 6, 1941, Serial No. 409,908
25 Claims. (Cl. 260—79)

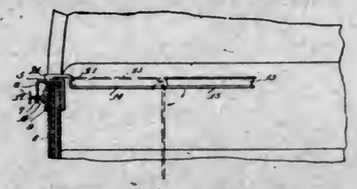
1. The process of preparing a solid plastic hydrocarbon interpolymer which is reactive with sulfur to give an elastic product comprising the steps of reacting together a major proportion of an aliphatic isoolefin having 4 to 7, inclusive, carbon atoms per molecule, with a minor proportion of an aliphatic diolefin having 6 carbon atoms per molecule, at a temperature between 0° C. and —160° C. in the presence of a polymerization catalyst comprising a Friedel-Crafts catalyst dissolved in a solvent which forms no complex with the Friedel-Crafts catalyst and is liquid at the reaction temperature.

2,356,131

SUPPORT FOR SERVICE TRAYS

Florence F. Tracy, Daytona Beach, Fla.

Application June 17, 1942, Serial No. 447,401
1 Claim. (Cl. 311—22)



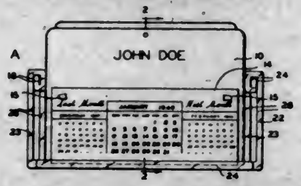
An automobile service tray support comprising a horizontal frame composed of spaced parallel bars, a clamp adapted to engage a part of the automobile, the ends of the bars forming said frame being joined together at one end and pivotally connected to said clamp to permit said frame to swing in a horizontal plane, said bars being off-set downwardly to form an abutment adjacent said clamp to limit the horizontal swinging movement of said frame, and a tray slidably connected to one of said bars to permit said tray to slide longitudinally of the frame between the abutment and outer end of the frame.

2,356,132

CALENDAR

Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota

Application January 2, 1941, Serial No. 372,703
2 Claims. (Cl. 40—121)



1. A calendar comprising a background sheet, a calendar pad secured to said background sheet, a plastic framing member engaging the edges of said background sheet, said background sheet having spaced recesses therethrough, and lugs on said plastic member extending through said recesses to hold said plastic framing member to said background sheet.

2,356,133

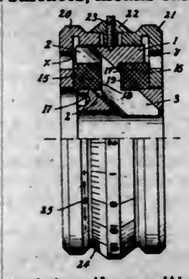
METHOD AND APPARATUS FOR PERFORMING GAUGING AND REPRODUCING OPERATIONS

Leon E. M. Van den Kieboom, Semeac, near Tarbes, France; vested in the Alien Property Custodian

Application April 21, 1942, Serial No. 439,950
In France April 15, 1941
9 Claims. (Cl. 33—178)

1. A device which comprises in combination a cylindrical support provided with a plurality of housings oblique with respect to the axis of said

support, blocks slidably fitted in said housings, the end faces of said blocks being adapted to constitute active surfaces, means carried by said support for determining the position of said blocks with respect to said support, and means for locking said blocks in any desired positions in said housings.

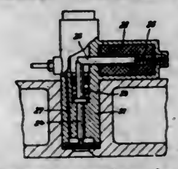


2,356,134

LIQUID FUEL INJECTION SYSTEM FOR MULTICYLINDER INTERNAL - COMBUSTION ENGINES

Willy Voit, Stuttgart, Germany; vested in the Alien Property Custodian

Application July 31, 1940, Serial No. 348,782
In Germany August 21, 1939
3 Claims. (Cl. 299—107.4)



1. In a fuel injection system for a multicylinder internal combustion engine in which the fuel is supplied to the cylinders individually, an injecting unit comprising, a cylindrical member mounted in a cylinder wall and having at one of its ends a valve opening into the cylinder, a valve needle slidably mounted in said cylindrical member to move axially to and from a position closing said valve opening, said valve needle carrying a cam portion, a cam pin slidably mounted and having a cam surface adapted to cooperate with said cam portion to control the sliding of said valve needle from one extreme position to the other thereby to control the discharge of fuel through said valve opening, and a solenoid-spring unit operatively associated with said cam pin to slide said pin between two extreme positions whereby the energization of the solenoid moves said cam pin to one extreme position and the de-energization of the solenoid permits the spring to move the cam pin to the other extreme position.

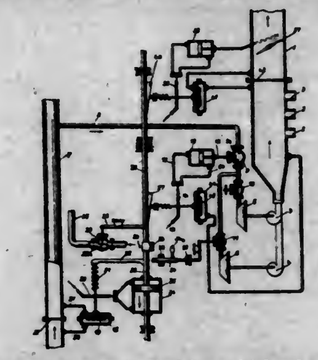
2,356,135

CONTROL DEVICE FOR FURNACES

Manfred Zoege von Manteuffel, Berlin-Steglitz, Germany; vested in the Alien Property Custodian

Application December 11, 1940, Serial No. 369,686
In Germany December 30, 1939
6 Claims. (Cl. 236—25)

1. In a device for controlling the fuel feed and the supply of combustion air to a furnace the combination comprising, fuel feed means, air supply means, means for automatically varying the air supply, means responsive to the furnace load connected to automatically actuate said air supply varying means, auxiliary means for limiting at will the performance of said air supply means, means for controlling the fuel feed, a servo-motor having a piston with a piston rod connected to actuate said fuel feed controlling means, a relay for controlling said servo-motor,



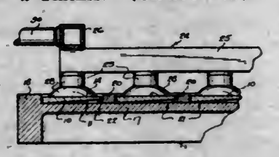
said relay being actuated by said load responsive means, a stop on the piston rod of said servo-motor, and pawl means mounted so as to be displaceable into the path of said stop for limiting in accordance with the air supply limitation the stroke of the servo-motor piston increasing the fuel feed.

2,356,136

APPARATUS FOR HANDLING MIRRORS DURING PROCESSING

Roy W. Wampler, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application July 5, 1941, Serial No. 401,225
2 Claims. (Cl. 206—72)



1. An apparatus for handling mirrors during processing, comprising a table provided upon its upper surface with a plurality of longitudinally extending and transversely arranged ribs forming a plurality of recesses for receiving glass plates to be silvered, said glass plates being substantially triangular in cross section, and each of said transverse ribs being provided with a horizontal ledge for supporting the thinner end of the respective glass plate thereon to bring the upper surface of said plate into a horizontal position and the upper surfaces of all of said glass plates in a common horizontal plane to facilitate the application of a vacuum lifting means thereto.

2,356,137

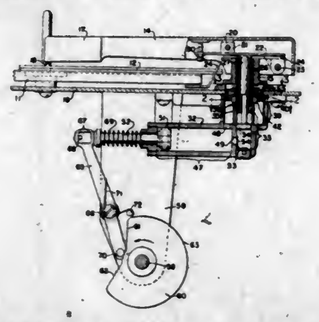
PICKUP ARM CONTROL MECHANISM

Jerald D. Weaver, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware

Application October 17, 1942, Serial No. 462,341
6 Claims. (Cl. 274—15)

1. In an automatic phonograph comprising a rotatable turntable for supporting a record, a reproducing means including a pickup arm, a rotatable member on which said pickup arm is

mounted to move vertically and horizontally into and out of play engagement with a record on said turntable, an elevating member movable vertically in said rotatable member and adapted to elevate said pickup arm out of engagement with said record on said turntable, reciprocable hydraulic means for operating said elevating mem-



ber for elevating said pickup arm, rotatable hydraulic means for operating said rotatable member and swinging said pickup arm horizontally beyond the record on said turntable and returning said pickup arm into engagement with the initial groove of said record on said turntable, and operating means for controlling said hydraulic means.

2,356,138
PLASTIC FLOOR
John J. Widmayer, Washington, D. C.
Application October 16, 1941, Serial No. 415,313
5 Claims. (Cl. 72—66)



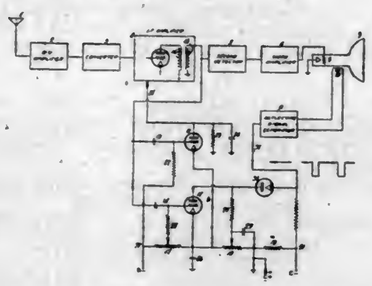
1. A plastic floor comprising fibrous blocks, spaced to provide plastic receiving channels therebetween, the lower side and end edges of each block being undercut to provide grooves, and fibrous inflexible slabs mounted in said grooves to provide a moisture-proof joint between the lower faces of adjacent blocks at the bottom of each channel.

2,356,139
AIRCRAFT EMPENNAGE
Edmund T. Allen and George S. Schairer, Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application August 3, 1940, Serial No. 350,572
12 Claims. (Cl. 244—91)



1. In an empennage on an aircraft body, a composite stabilizer section and control section airfoil structure extending lengthwise of such body and projecting laterally therefrom, its rear portion being crowned and its front portion tapering forwardly from such crown, the stabilizer section extending rearwardly at least substantially to the center of such crown, the rise of said structure at a location forward of the crown center a distance equal to one-half of the maximum ordinate of such structure being between one-third and one-half of such maximum ordinate, and the rise of said structure at a location forward of the crown center a distance equal to such maximum ordinate being between one eighth and one-quarter of such maximum ordinate.

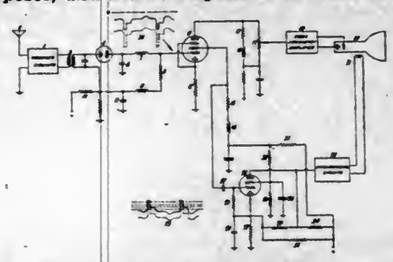
2,356,140
AUTOMATIC GAIN CONTROL AND AMPLITUDE SELECTION DEVICE
Alexander R. Applegarth, Jr., Dayton, Ohio, assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 31, 1942, Serial No. 453,137
9 Claims. (Cl. 178—7.5)



1. In a signaling system in which it is desired to select and utilize a portion of the signal traversing said system, a signal channel including variable-gain signal transfer means, means including a first space discharge device having at least an anode, a cathode and a control grid, and having its input coupled to said channel for selecting a portion of the signal above a certain amplitude level determined by the grid bias applied to said space discharge device, a second space discharge device having at least an anode, a cathode and a control grid, coupled to said channel, means for applying a predetermined grid bias to said second space discharge device to render it conductive only when said signal exceeds a predetermined amplitude level, means for deriving a control voltage from the output of said second device and for applying said voltage to said transfer means to control the gain thereof, and means for controlling the bias applied to said first device in accordance with the output of said second device, whereby the portion of the signal selected by said first device is determined by the conjoint gain-controlling and bias-controlling actions of said second device.

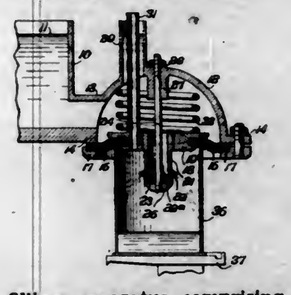
2,356,141
SYNCHRONIZING CIRCUIT
Alexander R. Applegarth, Jr., Dayton, Ohio, assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 31, 1942, Serial No. 453,138
23 Claims. (Cl. 178—7.5)

23. In a television receiver adapted to receive a signal of varying strength, a synchronizing signal pick-off device comprising an electron discharge tube coupled to said receiver so as to be supplied with said received signal, said tube having a predetermined input-output operating characteristic and a substantially fixed saturation level, whereby said tube transmits a limited portion of said signal to be used for synchronizing purposes, and means responsive to the strength



of the received signal for effectively shifting the operating characteristic of said tube to thereby vary the level at which said portion is selected.

2,356,142
CAN FILLING APPARATUS
Charles H. Ayars, Salem, N. J.
Application October 10, 1940, Serial No. 360,590
3 Claims. (Cl. 226—124)



1. Can filling apparatus comprising a liquid supply tank, a closed liquid-receiving housing associated with the tank having its top portion below the normal level of liquid in the tank, continuously open and restricted communicating means between the tank and housing whereby a predetermined volume of liquid will be received in the housing, an annular flexible member sealingly secured to the housing base, a tubular valve element carried by the flexible member and movable therewith, said tubular element extending a substantial distance below said flexible member and being adapted to extend into a can during filling thereof, means operable independently of housing fluid pressure for lifting a can upwardly against the flexible member, a fixed valve member extending below the tubular element and normally closing the lower end thereof, the tubular element being movable by can pressure directed upwardly against the flexible member to permit liquid passage therethrough at a rate of speed greater than the speed of flow of the liquid from the supply tank into the liquid-receiving housing, and a continuously open vent tube extending through the housing to atmosphere and adapted to communicate with a can for venting air from the can during filling.

2,356,143
FLUID REGULATING DEVICE
Thomas A. Baker, Logansport, Ind.
Application June 25, 1941, Serial No. 399,602
8 Claims. (Cl. 137—152.5)

1. A follower mechanism adapted to be connected in communication with a fluid source

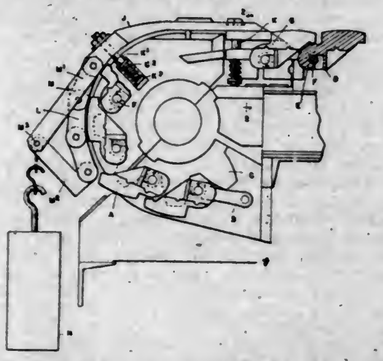
comprising, in combination, a follower valve casing comprising a longitudinal tubular body, bearing means pivotally supporting the ends of the follower valve casing, a first and a second vane connected to the follower valve casing and extending therefrom in opposite directions, a partition positioned longitudinally of and closely adjacent the follower valve casing between the first and second vane, a first fluid chamber including the first vane, the partition and the portion of the follower valve casing between the first vane and the partition, a second fluid chamber including the second vane, the partitioned and the portion of the follower valve casing between the second vane and the partition, said follower valve casing having first port means for connecting the first fluid chamber in communication with the fluid source and a second port means for connecting the second fluid chamber in communication with the fluid source, a locating valve element pivotally movable within the follower valve casing and having fluid control means, in cooperation with the port means of the said casing for regulating the flow of the fluid from the said source to the chambers and from the chambers to atmosphere, said follower valve casing being movable with the movable vanes and movable relative to the locating valve element, said locating valve element and said follower valve casing defining valve parts which, under a first set of relative conditions between the two parts, admit fluid to the first fluid chamber and render it active to operate the first vane in one direction while venting the second fluid chamber



to atmosphere and which, under a second set of relative conditions admit fluid to the second fluid chamber and render it active to operate the second vane in the opposite direction while venting the first fluid chamber, and which under a third set of relative conditions vent both of the fluid chambers to render them both inactive, the pressure of the fluid in the active chamber, as regulated by the follower valve casing and the locating valve element, causing the vanes and the follower valve casing to follow the locating valve element, and conduit means movable with one of the vanes for connecting the follower valve casing in fluid communication with the fluid source.

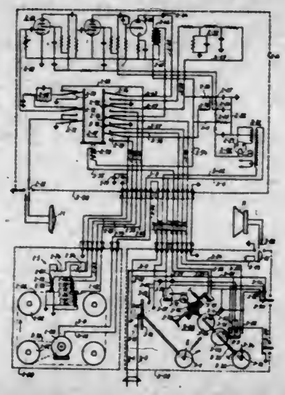
2. A mechanism for delivering a substantially constant volume of air to an uncontrolled air obstruction device comprising, in combination, a housing for directing a supply of air to the obstruction device, a valve in the housing for regulating the flow of air through the housing, air operated means for actuating the said valve, pressure means responsive to the difference between the total pressure head and the static pressure head of the air between the valve and the obstruction device to govern the air operated means and the valve to deliver a substantially constant volume of air through the housing, weight means opposing the said pressure means and tending to influence the air operated means for opening the valve, and delayed action means opposing the initial movements of the weight means, and the ready response of the pressure means.

2,356,144
TRAVELING GRATE FOR STOKERS
Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application March 9, 1942, Serial No. 433,979
6 Claims. (Cl. 110—40)



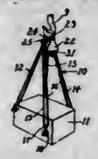
1. A traveling grate comprising a propelling chain, a sprocket around which said chain passes, a series of grate bars each pivotally connected at one edge to said chain and having its opposite edge forming closed slidable contact with an arcuate surface on an adjacent bar concentric with the pivotal connection thereof, and resilient means for holding said bars in sliding contact with each other while passing around said sprocket.

2,356,145
MAGNETIC SOUND RECORDING AND REPRODUCING
Semi Joseph Begun, Cleveland, Ohio, assignor to Magnetone Inc., Cleveland, Ohio, a corporation of Ohio
Application June 12, 1940, Serial No. 340,030
28 Claims. (Cl. 179—100.2)



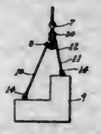
3. In a magnetic recording apparatus, a coiled magnetic carrier of predetermined length for retaining and reproducing records, magnetic transducing means cooperating with said carrier for recording and reproducing records while said carrier moves past said transducing means, movable guide means for guiding and driving said carrier past said transducing means, control means actuable to cause reproduction of the record on said carrier, said transducer means and said control means being arranged and correlated to cooperate in effecting during a continuous controllable period repeated reproduction of a record sequence recorded on said carrier, said control means including means actuable to move in a predetermined synchronized relation to said guide means for selectively confining a new recording on a selected portion of the carrier length.

2,356,146
EQUALIZING SLING
Leslie M. Caldwell, Rockford, Ill.
Application June 15, 1942, Serial No. 447,042
25 Claims. (Cl. 294—1)



1. A sling of the class described comprising a load carrying saddle, and a single continuous length of rope slidably supported on the saddle and defining loops depending on opposite sides of the saddle for suspension of the load, said rope being slidable endwise on the saddle to permit lengthening of a certain loop or loops and shortening of another or others to adjust the loops for uniform and stable suspension of the load thereby, and a rope clamping member loosely mounted on top of said saddle to ride on and resist sliding movement of the rope relative to the saddle and having the ends of said rope attached thereto.

2,356,147
SELF-EQUALIZING SLING
Leslie M. Caldwell, Rockford, Ill.
Application March 11, 1943, Serial No. 478,803
21 Claims. (Cl. 294—1)



1. A sling of the class described, comprising a load carrying frame, a pulley wheel rotatably mounted therein, a single continuous length of rope wound around said pulley wheel and arranged to be attached at its opposite ends to the load to be lifted, and means for automatically locking the wheel against turning when the rope is put under tension by load whereby to prevent changing of sling leg lengths.

2,356,148
OPHTHALMIC MOUNTING
Charles O. Cozzens and Edward M. Splaine, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 27, 1940, Serial No. 321,081
7 Claims. (Cl. 88—41)

1. In a device of the character described, a pair of lenses each having a peripheral groove therein, a split rim member on each of said lenses having a portion lying within said groove, with its ends located centrally of the upper edge of the lens and with a joining lug on each of said ends and a frame structure supporting said rim members through attachment to one of the said lugs of each, comprising a bridge member and a pair of temple supports extending from said bridge member and following the upper contour edges of said lenses to terminate in temple connections, with said lugs each having a relatively small portion secured to the end of the rim in overlying relation with the lens edge and of such



a contour as to form a taper increasing from the front to the rear of the lens and a relatively large portion extending rearwardly from said rim with a connection opening therein and connecting means in said opening, and said temple supports each having a reduced portion centrally thereof which is attached to one of said lugs with the temple support in spaced relation with the rim with said attachments being the only connections between the rims and said supporting structure.

2,356,149
BLASTING EXPLOSIVE COMPOSITION AND METHOD
Clyde O. Davis, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 18, 1940, Serial No. 357,237
16 Claims. (Cl. 52—14)

1. A detonating explosive comprising grains held on a 30-mesh screen and composed of an inorganic oxidizing salt and at least one oxidizable material and surrounding said grains a more sensitive explosive medium free from liquid explosive compounds and comprising a sensitized alkali nitrate composition said medium being capable of initiation by a commercial initiator the whole adhering together to form a cap sensitive cohesive block.

2,356,150
HEAT TREATMENT OF GEAR TEETH
Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application April 23, 1941, Serial No. 389,847
2 Claims. (Cl. 266—4)

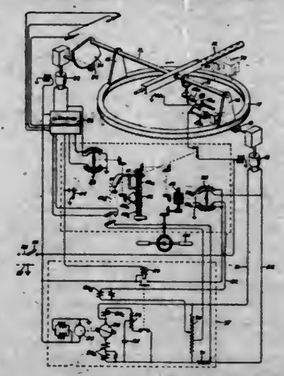


1. In apparatus for hardening surface zones of projections on a metallic article, the projections being spaced along a base surface of the article and extending outwardly from said base surface, a U-shaped conductor having substantially parallel opposite sides, each of the sides having a face adapted to be brought into substantially parallel relation with a surface zone of a projection, means for supplying periodically varying current to the conductor to induce heating current in the said surface zones, means moveably supporting the conductor at an end of a side of the conductor, means for guiding the conductor into a preselected position relative to a projection of the article when the conductor is moved toward the base surface of the article to bring a face of the conductor into spaced relation with a surface zone of the projection, and means for deliveries quenching fluid to the surface zones of the projections, the quenching means comprising a quenching member disposed to lie substantially opposite an outer end of the aforesaid projection, the said quenching member having discharge passages directed toward a space adapted to be occupied by the projection of the article, the quenching member being of less width than the space between the conductor members to pass between the said members when the conductor is moved on its support.

2,356,151
POLYPHENYLOL ALKANE RESINS
John W. Eastes, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 9, 1941, Serial No. 387,686
16 Claims. (Cl. 260—45)

1. An insoluble nitrogenous resinous composition suitable for the absorption of acidic constituents from fluids and for ion exchange which comprises the product obtained by reacting by condensing together in an aqueous medium a polyphenylol alkane, one-half to two mols of an alkylene polyamine per phenylol group present in said alkane, and formaldehyde in an amount at least equivalent both to the phenylol groups and to the mols of polyamine, continuing the reaction of these three components until a hydrophilic gel forms, and heating said gel between about 70° C. and the scorching temperature of the resulting resin until said resin is insoluble in dilute strong acids, said resinous composition being further characterized by physical strength, suitability for use in columns, high capacity for absorbing acidic constituents, and stability during repeated use and regeneration.

2,356,152
TURRET CONTROL SYSTEM
Martin A. Edwards and Kenneth K. Bowman, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application November 28, 1941, Serial No. 420,792
7 Claims. (Cl. 172—239)



7. A turret control system comprising in combination, a drive unit for driving the turret in train, a second drive unit for driving in elevation, a second drive unit for driving the turret in

train, each of said units comprising an electric motor, supply means therefor comprising an armature reaction excited dynamoelectric machine provided with a control field winding, a device for producing a variable control voltage, a potentiometer connected across the output circuit of said dynamoelectric machine, and connections from said control voltage device and said potentiometer for applying to said field control field winding a voltage proportional to the difference of said control voltage and the voltage across a predetermined portion of said potentiometer, a controller having a manually operated member movable in one direction to actuate one of said control voltage producing devices to effect rotation of said turret in train and movable in another direction to actuate the other of said control voltage producing devices to effect operation in elevation, and a high speed switch on said manually operable member for varying said predetermined portion of said potentiometer.

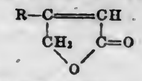
2,356,153

β-SUBSTITUTED-Δ$^{\alpha,\beta}$-γ-BUTYROLACTONES AND METHODS OF PREPARING THEM

Robert C. Elderfield, Hastings on Hudson, N. Y., and Martin Rubin, Baltimore, Md., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application March 21, 1941, Serial No. 384,587
7 Claims. (Cl. 260—344)

1. β-Substituted-Δ$^{\alpha,\beta}$-γ-butyrolactone which is represented by the following formula:



in which R is an aryl group.

2,356,154

CYCLIC KETALS OF 3-KETO-17-OXY-CYTHRENES AND METHOD OF PREPARING 3-KETO-17-OXY-CYTHRENES

Erhard Fernholz, deceased, late of Princeton, N. J., by Mary Briganti Fernholz, administratrix, Princeton, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application August 19, 1941, Serial No. 407,497
4 Claims. (Cl. 260—239.5)

1. The method which comprises reacting a 3,17-diketo-cythrene with an aliphatic polyhydric alcohol, separating the mono- and di-(cyclic ketals) formed by adsorption and fractional elution, and reducing the thus-obtained 3,17-diketo-cythrene-3-(cyclic ketal).

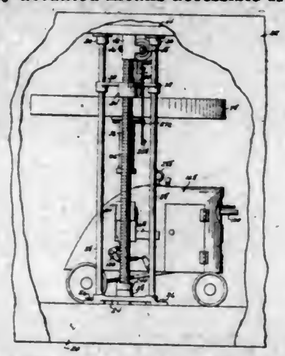
2,356,155

AIRPLANE TANK

Clayton G. Fogle, Williamsport, Pa.

Application September 15, 1941, Serial No. 410,937
7 Claims. (Cl. 244—118)

1. The combination of an aircraft body having a door opening in the bottom thereof, a tank, a turntable guided for vertical movement inside said aircraft body above said door opening, attaching means for detachably connecting the tank with said turntable and controllable from a position inside the tank for disconnecting the latter from the turntable, means for imparting vertical movement to said turntable to lift the tank to a position inside said aircraft body or to project the tank through said door opening and to a position outside the aircraft body, and manually actuated means accessible from a position inside said tank and operatively connected with said turntable for rotating the latter and said tank.

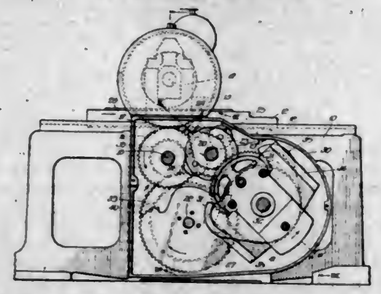


2,356,156

BED MOTION MECHANISM

Hyman E. Golber, Chicago, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 16, 1940, Serial No. 324,290
29 Claims. (Cl. 74—27)



1. In a bed motion mechanism, the combination with a reciprocating bed, of a bed motion gear constituting the only drive applied to said bed during its complete reciprocatory cycle, a bed motion shaft carrying said gear and driving the gear and the bed in opposite directions, two roll-curve gears on said bed motion shaft, a second shaft continually rotating at uniform speed in one direction and having a roll-curve gear thereon for meshing relation with one of said two roll-curve gears, and a third shaft having a roll-curve gear thereon for meshing relation with the other one of said gears on said bed motion shaft, said second and third shaft transmitting to said bed its complete motion.

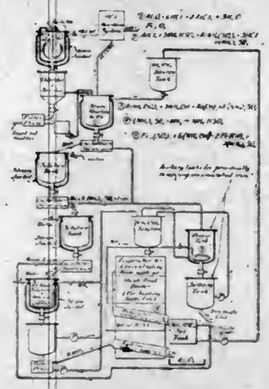
2,356,157

PROCESS FOR THE MANUFACTURE OF ALUMINA (METALLURGICAL GRADE) FROM HIGHLY SILICIOUS ALUMINOUS ORES

Gant Gaither, Hopkinsville, Ky.

Application February 3, 1942, Serial No. 429,436
1 Claim. (Cl. 23—141)

A process for extracting alumina from iron-containing alumina ores which comprises digesting the ore in hydrochloric acid to produce a solution of aluminum and iron chlorides, separating the solution from any undissolved residue, adding ammonium acid sulfate to the solution and heating to drive off hydrochloric acid which is recovered and re-used in digesting more ore, and obtaining a residual solution of mixed sulfates of aluminum, iron, and ammonium, crystallizing ammonium alum from said solution, purifying the ammonium alum to the desired degree by recrystallization; dissolving the recrystallized ammonium alum, precipitating aluminum hydroxide therefrom by introducing ammonia, separating the aluminum hydroxide product from the solution, collecting this solution and the mother liquor from the crystallization of alum and precipitating iron therefrom, leaving a solution containing ammonium sulphate, and heating said solution to recover ammonium acid sulphate and ammonia therefrom for re-use in the process.

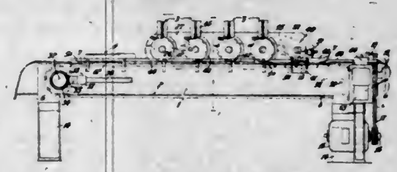


2,356,158

APPARATUS FOR CHARGING CARTRIDGE BELTS

Charles Thomas Hall, Deptford, London, England, assignor to Molins Machine Company, Limited, Deptford, London, England

Application March 9, 1942, Serial No. 434,011
In Great Britain March 12, 1941
10 Claims. (Cl. 86—48)



1. A machine for charging preformed cartridge-belts comprising in combination endless conveyor-mechanism which comprises two successive portions, the first portion having a number of locating-means equal in number to the number of clips on a belt and arranged to retain the clips substantially equispaced whilst being fed by the conveyor-mechanism, and the second portion being of sufficient length to accommodate tags on the belts, cartridge feeding means to deliver cartridges into alignment with clips located in the said first portion and to prevent the feeding of cartridges to said second portion, means driving said cartridge feeding means and said conveyor mechanism in timed relation, and means to insert into the clips the cartridges so fed.

2,356,159

METHOD OF MACHINING EXPLOSIVES AND APPARATUS THEREFOR

Milton B. Hesslein, Montgomery, Ala., and Andrew T. Anderson, Dover, N. J.

Application September 15, 1942, Serial No. 458,442
6 Claims. (Cl. 29—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



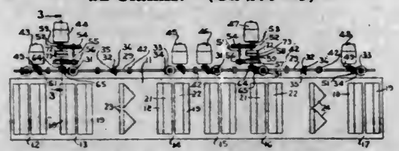
1. The method of cutting through an explosive substance comprising applying thereto a tool having a rake cutting angle greater than 90°.

2,356,160

PRINTING MACHINE DRIVE

Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application December 12, 1940, Serial No. 369,793
21 Claims. (Cl. 270—5)



1. In a printing machine including a plurality of printing units and a folder geared to run in synchronism, motors equal in number to the printing units, connections between the motors and the machine for operating all of the motors together to drive the machine at printing speed, a speed reducing gear associated with one of the motors for driving the machine at slow speed, and control means operable to cause the machine to be driven through the speed reducer by the said one motor, and alternatively, through the said connections by all of the motors.

2,356,161

CHEMICAL PROCESS AND PRODUCTS

Ralph K. Iler, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 18, 1941, Serial No. 402,995
19 Claims. (Cl. 260—97)

1. A composition comprising a complex compound of the Werner type in which a trivalent nuclear chromium atom is coordinated with a carbocyclic carboxylic acido group having at least ten carbon atoms.

15. An article having hydrophobic properties and characterized by the presence on its surface of an adsorbed coating of a complex compound of the Werner type in which a trivalent nuclear chromium atom is coordinated with a carbocyclic carboxylic acido group having at least ten carbon atoms.

2,356,162

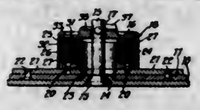
COWL FASTENER

Johan H. Johnson, New York, N. Y., and Charles M. Palmer, Washington, D. C.

Application June 14, 1943, Serial No. 490,782
20 Claims. (Cl. 24—221)

20. In combination, a platform having an opening, a casing secured to said platform about

said opening and comprising spaced inner and outer rims defining a channel, a rubber bumper confined in said channel and extending beyond said inner rim, keeper means mounted on said bumper, means for slidably and rectilinearly guiding said keeper means relative to said casing, a bolt removably and rotatably associated with said keeper means and having pin means for



shifting said keeper means to compress said bumper, means to limit displacement of said keeper means in a direction towards said bumper, and a peripheral lip to limit displacement of said keeper means in a direction away from said bumper upon expansion of the latter pursuant to disengagement of said pin means from said keeper means.

2,356,163

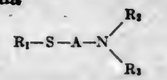
VULCANIZATION OF RUBBER

Paul C. Jones and Roger A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application December 5, 1939, Serial No. 307,635

10 Claims. (Cl. 260—788)

1. The method which comprises vulcanizing a rubber in the presence of a compound having the structural formula



wherein R_1 is an organic radical with the free valence on a carbon atom, A is an alkylene group containing not over three carbon atoms and with the free valences on different carbon atoms, and R_2 and R_3 are hydrogen atoms.

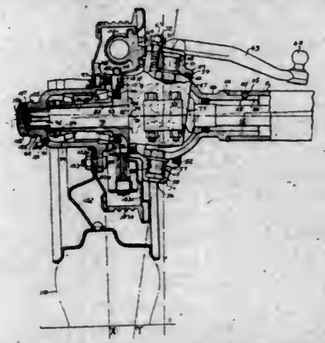
2,356,164

STEERING WHEEL DRIVE FOR VEHICLES

Beverly W. Keese, Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application August 3, 1940, Serial No. 350,916

10 Claims. (Cl. 180—43)



1. In a steer drive axle; an axle housing having an enlarged socket member at its end; an axle shaft in said housing; axially aligned trunnions on said socket member; a split housing comprising upper and lower housing portions secured about said socket member rockable upon said trunnions, said housing portions having abutting faces lying in a common substantially transverse plane inclined at a small angle to the axis of said axle shaft and having aligned end faces normal to said plane; a hollow spindle having an end face normal to its axis secured to said housing with said spindle end face flush with said housing end faces so that the spindle axis is inclined at said angle to said axle shaft axis; a stub shaft projecting axially through said spindle; and a universal joint connecting said shafts at said socket member.

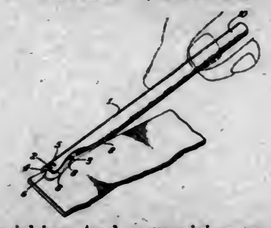
2,356,165

FINISHING TOOL

Delbert J. King, Los Angeles, Calif.

Application October 29, 1942, Serial No. 463,843

5 Claims. (Cl. 90—24)



1. A finishing tool comprising an elongated shank provided with a cutting head portion at its forward end and a handle portion at its rearward end, said cutting head portion being provided with a longitudinal guide slot extending from said forward end and opening at one side of said shank, and a transverse slot adjacent said forward end, said transverse slot being extended from the opposite side of said shank toward and into intersection with said longitudinal slot to define a cutting edge at its forward side, and said longitudinal slot being of increased depth from said cutting edge to the forward end of said shank.

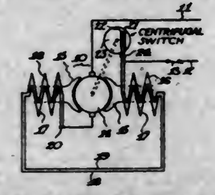
2,356,166

PROTECTIVE MEANS FOR ELECTRICAL CONTACTS

Royal Lee, Milwaukee, and Fred E. Broberg, Racine, Wis., assignors to Lee Engineering Research Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application August 17, 1942, Serial No. 455,076

17 Claims. (Cl. 171—222)



9. In an electrical system, an electric motor having a series field winding comprising a pair of field coils arranged in parallel and additive in their magnetizing effect, said coils comprising a pair of conductors lying in close proximity over a substantial portion of their length to have a capacitance effect, one of said coils having a lower resistance than the other, and speed-responsive switch means for interrupting the current through the coil of lower resistance while the other field coil is in circuit.

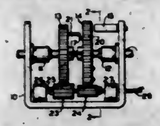
2,356,167

MOVEMENT DETERMINING MECHANISM

William L. McKelvey, East Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application February 26, 1942, Serial No. 432,409

11 Claims. (Cl. 74—189)



1. The combination in a movement determining mechanism of, a first rotatable member, a movement determining piece for the mechanism, an element on said member adapted to cooperate with said piece and mounted for movement in a direction parallel to the axis of rotation of the member, a second rotatable member arranged in spaced coaxial relation to the first member, said first and second members being of different diameters, means for connecting said members for rotation in the same direction, and an actuator on said second rotatable member that engages and axially moves said element into cooperable relation with said piece.

2,356,168

SOAP LEAF

Clarence W. Mabley, Chicago, Ill.

Application August 16, 1941, Serial No. 407,157

3 Claims. (Cl. 252—91)



1. A soap sheet or leaf consisting of methyl cellulose dissolved in water and combined with liquid soap and dried in the form of a thin film.

2,356,169

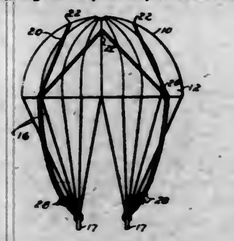
CONTROLLED PARACHUTE CANOPY

Frank G. Manson, Chicago, Ill., and James J. Maskey, Dayton, Ohio

Application October 12, 1943, Serial No. 505,910

10 Claims. (Cl. 244—152)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. The improvement in a parachute having a canopy with a series of shroud lines extending from the canopy apex to and beyond its rim, the free ends of said shroud lines being brought together into two groups, and risers supported by said groups, said improvement comprising a plurality of control cables lying on the upper surface of said canopy, guide means for each cable so placed on said surface as to hold each cable loosely in a position extending from a point on the circumference diagonally across several of said lines to an anchor point intermediate the apex and the circumference, thence diagonally across several of said lines to a point on the circumference substantially removed from the starting point, said control cables being fastened to the canopy at the anchor points only and having the free ends extending beyond the circumference, the free ends of the cables being divided into two groups, and means to hold one group loosely adjacent each riser.

2,356,170

ACCELERATION OF VULCANIZATION

Roger A. Mathes, Akron, and Paul C. Jones, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 21, 1941, Serial No. 415,944

14 Claims. (Cl. 260—795)

1. The process which comprises vulcanizing a rubber in the presence of an aminoalkyl sulfide which contains no more than four sulfur atoms, and no more than three carbon atoms in the alkyl chain between the sulfur and nitrogen atoms, said aminoalkyl group containing no substituent groups other than hydrogen and aliphatic hydrocarbon groups.

2,356,171

COMPOSITION OF MATTER

Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 21, 1941, Serial No. 415,946

7 Claims. (Cl. 260—132)

1. A composition of matter comprising the addition product prepared by mixing sulfur at a temperature not higher than about 80° C. with an aminoalkyl sulfide which contains no more than four sulfur atoms, and no more than three carbon atoms in the alkyl chain between the sulfur and nitrogen atoms, and in which the aminoalkyl group contains no substituent groups other than hydrogen and hydrocarbon groups, the proportion of sulfur which is reacted with the said aminoalkyl sulfide being no more than one atom of sulfur for each amino group.

2,356,172

SALTS OF MERCAPTANS

Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application December 30, 1941. Serial No. 424,893

10 Claims. (Cl. 260—302)

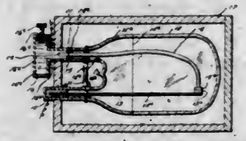
1. A composition of matter comprising the addition product of a zinc salt of a heterocyclic nitrogen-containing mercaptan with an aminoalkyl sulfide which contains no more than four sulfur atoms, and no more than three carbon atoms in the alkyl chain between the sulfur and nitrogen atoms, said aminoalkyl group containing no substituent groups other than hydrogen and hydrocarbon groups.

2,356,173
SAFETY RAZOR
Georges Monnet, Washington, D. C., assignor to Guardian Merchandising Corporation, Montreal, Quebec, Canada, a corporation of Quebec, Canada
Application May 12, 1942, Serial No. 442,621
2 Claims. (Cl. 30—83)



2. In a safety razor, a blade-supporting member having at least one elongated edge and being adapted to carry a razor blade having a cutting edge extending close to said edge of the blade-supporting member, and a covering element having a curved elongated portion adapted to extend over said cutting edge, and another portion pivotally connected with said blade-supporting member.

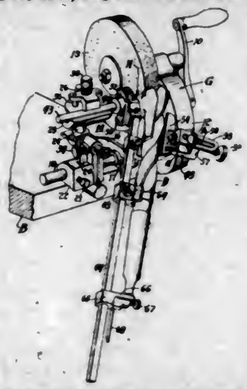
2,356,174
ELECTRIC SWITCH
Hyman Oiken, Washington, D. C.
Application March 7, 1942, Serial No. 433,809
7 Claims. (Cl. 200—81.8)



1. A pressure-actuated switch unit of the character described, comprising in combination, a hermetically-sealed evacuated switch casing supporting a switch contact element and included contact point therewithin; and a fluid-filled Bourdon tube sealed into said casing with a portion thereof extending exteriorly of said casing and a portion projecting into the evacuated casing with a curved fluid spring extension having a contact element mounted thereon including a contact point adjacent said other contact point but insulated therefrom.

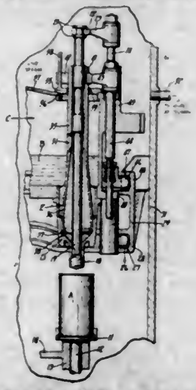
2,356,175
GRINDER ATTACHMENT
Carl A. Olson, Charles V. Lisle, and Thomas E. Brooks, Clarinda, Iowa, assignors to Lisle Corporation, Clarinda, Iowa, a corporation of Iowa
Application August 3, 1940, Serial No. 350,204
6 Claims. (Cl. 51—219)

5. In a device of the class described, a support adjacent a grinder, a shank pivoted to said support and thereby providing an axis of oscillation for a drill holder, a drill holder having a slot to receive said shank whereby said axis of oscillation, in all positions of the shank relative to the slot, passes through the slot, a slotted arm extending laterally from said shank, a clamp screw carried by said drill holder and coacting with the slot of said arm to retain the arm in any position of adjustment of said shank relative to said slot in said drill holder, the axis of a drill when in said



holder being at an angle to the axis of said slot whereby said drill axis is variable by shifting said shank along said slot to increase the distance from the cutting end of the drill to said axis of oscillation whereby to increase the radius of the arc on which the cutting lip of a larger drill is ground as a result of swinging of said drill holder on said axis of oscillation.

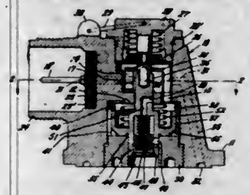
2,356,176
FILLING MACHINE
William Pechy, Manasquan, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 10, 1941, Serial No. 422,432
2 Claims. (Cl. 226—102)



1. In a machine for filling liquid into containers, the combination of a housing having steam circulated therethrough for sterilizing the containers to be filled, a tank within said housing for holding the liquid to be filled into said containers at a relatively low temperature, a cover for said tank, a filling head on said tank for delivering a measured charge of liquid into a container, a movable measuring element partially submerged in said low temperature liquid and having its lower end movably mounted in said filling head, the upper end of said element being

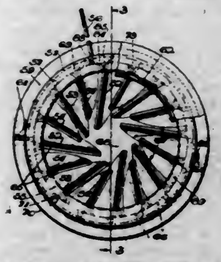
of reduced width and projecting through said cover so as to be exposed to the relatively high steam temperature in said housing, a guide plate in said cover having a rounded aperture constituting a bearing through which the upper reduced end of said element projects in substantially line to line contact, and an actuating yoke loosely engaging a grooved portion of the upper end of said element above said bearing for moving said element relative to said filling head, said yoke loosely engaging said element on three sides only to permit the upper end of said element to move and bend laterally toward the open end of the yoke, said open loose engagement of the yoke cooperating with said line contact bearing to insure free movement of said element relative to said filling head and to permit warping and bending of the upper reduced end of said element due to the described material steam and liquid temperature differences to which the opposite ends of said element are subjected.

2,356,177
FLUID ACTUATED SWITCH
Leslie C. Pierson, Schenectady, N. Y., assignor to General Electric Corporation, a corporation of New York
Application June 29, 1942, Serial No. 448,919
7 Claims. (Cl. 200—82)



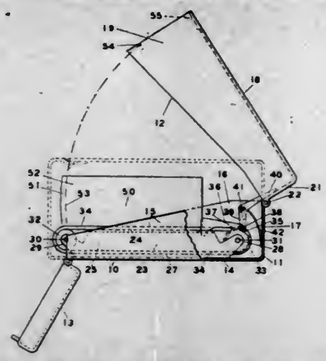
1. A quick-acting fluid operated switch including the combination of a cylinder, a fluid supply conduit, a piston in said cylinder provided with a sleeve in sliding relationship with said conduit and provided with a port connecting the bore of said sleeve to said cylinder, an auxiliary piston mounted in the bore of said sleeve and operable in response to a predetermined fluid pressure in said conduit to control said port, whereby upon a predetermined increase in fluid pressure said port is uncovered to expose said actuating piston to fluid pressure and said port is closed to cut off the actuating fluid supply to said actuating piston upon a predetermined reduction in fluid pressure.

2,356,178
LIGHT CONTROL DEVICE
William B. Poynter, Cincinnati, Ohio
Application October 23, 1940, Serial No. 362,440
18 Claims. (Cl. 95—64)



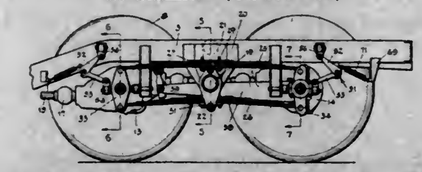
1. A device for controlling the projection of light rays comprising a tubular barrel member through which the light rays are adapted to pass, and a plurality of blades of light obstructing material mounted within said barrel member in generally radial positions and having substantial extent lengthwise of said member so as to form a plurality of light transmitting channels therewithin, the planes of said blades being normally angularly off-set from the axis of said barrel member both lengthwise of the latter and radially so as to be non-intersecting with said axis.

2,356,179
DISPENSING CONTAINER
Chester F. Proudman and Franklyn C. Walters, New Canaan, Conn., assignors to The Walpro Products Corporation, New Canaan, Conn., a corporation of Connecticut
Application February 20, 1941, Serial No. 379,868
5 Claims. (Cl. 31—20)



1. A dispensing container for loaf products comprising a receptacle body; a cover hinged to one wall of said body; a conveyor positioned within said container to support and feed a loaf of product; driving means for said conveyor comprising a ratchet wheel, a pawl, a bell crank provided with a member to follow the movement of said cover, and arranged to operate said pawl, and a spring to move said bell crank and advance said pawl and said conveyor, upon an opening movement of said cover; and a cutting wire fixed in said cover and arranged to cut a slice from said loaf during the closing of said cover.

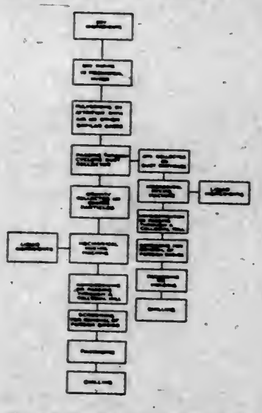
2,356,180
VEHICLE CONSTRUCTION
Delmar G. Roos, Toledo, Ohio, assignor, by mesne assignments, to Willys-Overland Motors, Inc., Toledo, Ohio., a corporation of Delaware
Application November 27, 1941, Serial No. 420,644
10 Claims. (Cl. 180—22)



4. The combination with a road vehicle frame; of a driving truck comprising a pair of driving axles; housings for said axles; said axles having wheels mounted thereon; shackles rotatably mounted on one of said axle housings; shackles fixedly secured to the other axle housing; pairs of springs pivotally connected to said

shackles; a transverse shaft carried by said frame and provided with spring connections upon which each spring is pivotally connected at its center; means to limit the downward movement of said axles and housings including a pair of arms pivotally connecting the housings to said frame; resilient means for controlling the movement of said arms; said axles having substantially rigid link connections to said frame in a horizontal plane; said connections being yieldable to accommodate movement of the axles in a vertical direction; and torque resisting arms arranged between the axles to resist the reactions due to braking and driving torque.

2,356,181
CHOCOLATE MANUFACTURE
Joseph G. Rubens, New York, N. Y., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application March 31, 1942, Serial No. 437,014
10 Claims. (Cl. 99—23)



1. In the art of preparing a chocolate material of the character described, the steps of grinding the dry ingredients consisting of cocoa, sugar and salt in a dry state to an impalpably fine degree, removing the ultra fine dust particles therefrom, and then combining the dry powdery admixture with the required liquid ingredients consisting of a suitable vegetable oil to form a product of the desired flavor, texture, color and taste.

2,356,182
SIGHT
Wilbur A. Schaich, Springfield, Mass.
Application August 21, 1943, Serial No. 499,442
11 Claims. (Cl. 33—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

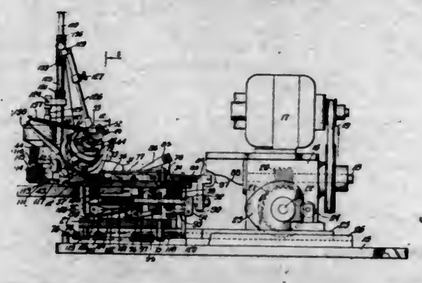


1. A firearm sight comprising a pair of spaced brackets, a windage screw rotatably mounted in said brackets, a sight block threadably mounted on said windage screw between said brackets, said sight block having a vertical threaded hole therein, a sight aperture member having a threaded body portion mounted in said threaded vertical hole, a latch constructed to rest against said sight block and engage the body portion of said aperture member to resist rotation of said aperture member, and a spring mounted around said windage screw arranged to bias said latch into engagement with said aperture member.

2,356,183
PURIFICATION OF NICKEL SALTS
Hugh M. Shepard and Carl A. Knierim, Baltimore, Md., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 13, 1940, Serial No. 352,466
3 Claims. (Cl. 23—117)

1. The process of treating impure nickel sulphate solutions containing iron principally in the ferrous state to separate the iron therefrom comprising adjusting the pH value of the solution to between 3 and 4 to avoid precipitation of nickel, heating the solution to between 80 and 180° F. and oxidizing ferrous iron in the solution to ferric condition by introducing hydrogen peroxide and hydrated lime into said solution, the hydrogen peroxide being in amount sufficient to complete the oxidation of ferrous iron to ferric and the hydrated lime being in amount sufficient to maintain the said pH value between 3 and 4, and precipitating ferric hydroxide from the solution substantially free from nickel, said hydrogen peroxide and hydrated lime being introduced in the form of a slurry and containing a ratio by weight of peroxide to calcium hydroxide of approximately 1 to 1.05 respectively, calculating the peroxide as 100-volume material.

2,356,184
AUTOMATIC FACET FORMING MACHINE
Aaron Simons, Bronx, N. Y.
Application June 3, 1942, Serial No. 445,630
26 Claims. (Cl. 51—229)



24. In a machine for grinding and polishing a predetermined number of facets on a precious stone, the combination with a grinding and polishing wheel, of means for reciprocating a stone over a surface of said wheel a number of times in grinding each facet, automatically actuated means for moving the stone out of engagement with the wheel upon the formation of a facet on one section of the stone and then moving another section of the stone into engagement with said wheel, said last named means comprising a member supported at predetermined inclination to the surface of said wheel, and means for shifting said member to different angular positions with respect to said wheel surface while maintaining said inclination of said member.

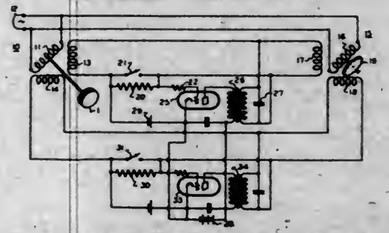
2,356,185
COMPOUNDS OF NICOTINE
Claude R. Smith, Philadelphia, Pa., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application September 20, 1941, Serial No. 411,702
5 Claims. (Cl. 260—270)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. A double salt having the general formula

$$MX_n.n(C_{10}H_{14}N_2.HX)$$

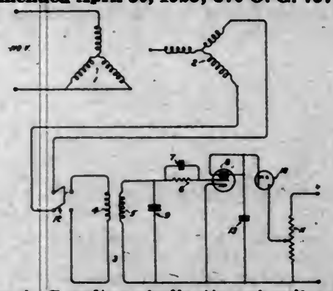
where M is a metal chosen from the group consisting of iron, zinc, copper, nickel, cobalt and cadmium; n is an integer corresponding to the valency of M; and X is an acid radical selected from the group of acids consisting of picric, benzoic, salicylic, and o-benzoyl benzoic.

2,356,186
ISOLATION AMPLIFIER FOR SELF-SYNCHRONOUS SYSTEMS
Brock A. Somers, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 7, 1942, Serial No. 454,072
20 Claims. (Cl. 172—239



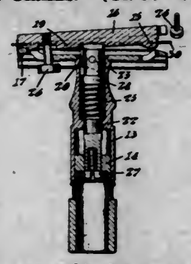
1. In a remote indicating system, a transmitter having a rotor and means for producing electrical potentials in accordance with the position of said rotor, a receiver, a transmission line for supplying said potentials to said receiver, a lumped impedance in said line, and an amplifier having an input derived from the potential drop across said impedance and supplying potentials to said receiver jointly with said transmitter.

2,356,187
APPARATUS FOR ELECTRICAL ZEROIZING
Samuel Swedlow, New York, N. Y.
Application May 17, 1943, Serial No. 487,274
2 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



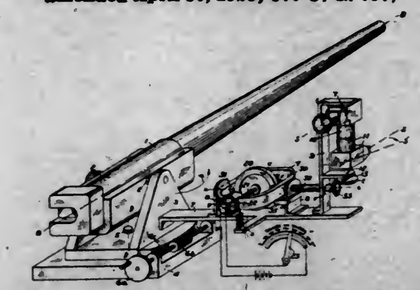
1. An A. C. voltage indicating circuit comprising a grid controlled electronic tube, indicating means responsive to D. C. current connected in the output of said tube, the operating voltages of said tube being selected to produce a D. C. output current of safe value for said indicating means with zero A. C. voltage applied to the grid of said tube, means for applying to the grid circuit of said tube an A. C. voltage of variable magnitude, a shunt connected resistance and capacitance connected in the said grid circuit arranged to produce a negative bias on said grid proportional to said applied A. C. voltage whereby a maximum reading of said indicating means is obtained at the minimum value of said applied A. C. voltage.

2,356,188
SAFETY RAZOR
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 27, 1943, Serial No. 507,773
7 Claims. (Cl. 30—70)



6. A safety razor having a guard member, a central stem movable through the guard member, a cap member mounted to rock upon said stem and having on one face a projecting blade-locating rib and a projecting detent wider than said rib, a spring tending to rock the detent of the cap toward the guard, and manual means for rocking the cap in the opposite direction.

2,356,189
ANGLE-OF-LEAD CONTROL
William F. Tufts, Atlanta, Ga.
Application November 24, 1942, Serial No. 466,827
6 Claims. (Cl. 33—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

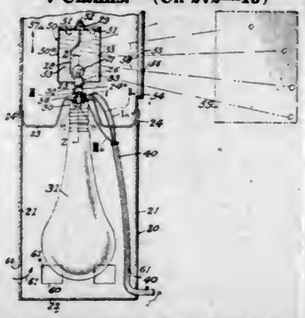


6. In fire control apparatus for a gun mounted for azimuth traversing and provided with a sighting mechanism, an angle-of-lead device comprising, in combination, a gyroscope operatively connected to the said sighting mechanism to compensate the same according to rate of target movement, and means for regulating the speed of the gyroscope according to the target range.

2,356,190
NOVEL ISOMERIZATION PROCESS
Alexis Voorhies, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 2, 1941, Serial No. 372,842
13 Claims. (Cl. 260—683.5)

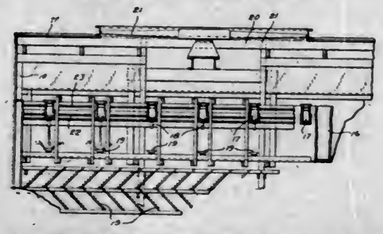
13. A process which comprises isomerizing at least one normal paraffin containing at least four carbon atoms per molecule under isomerization reaction conditions, in contact with aluminum chloride, adding to the reaction promotional amounts of at least one monoolefin as the sole promoter and recovering isoparaffins from the reacted mixture, said monoolefins being present in less than one mol of olefin per mol of aluminum chloride contacted.

2,356,191
DEVICE FOR LIGHT EFFECTS FOR IMITATING FALLING SNOW AND THE LIKE
Gerhart Weiss, New York, N. Y., assignor of one-half to Paula Karpfen, New York, N. Y.
Application June 12, 1941, Serial No. 397,724
7 Claims. (Cl. 272—15)



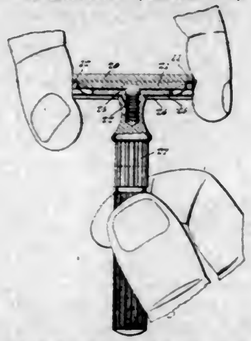
2. In a device for light effects, two electric lamps placed one above the other, an element having transparent and opaque portions rotatingly arranged around the upper lamp, and means to rotate said element through the current of the ascending heated air produced by the said lamps.

2,356,192
COOLING TOWER
Carl S. Yingling, Metuchen, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application October 20, 1942, Serial No. 462,667
9 Claims. (Cl. 183—25)



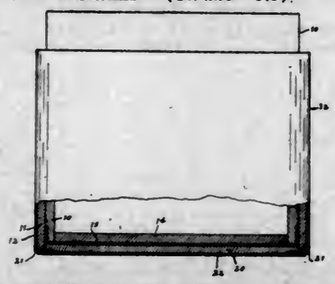
1. A cooling tower comprising means forming a cell having an air inlet and an air outlet, a filling for the cell, water distributing means including spaced gutters above the filling, said gutters having vertical outer walls with slots therein and spray eliminators comprising a plurality of louvers having their end portions in said slots to support the louvers at the same elevation as the gutters.

2,356,193
SAFETY RAZOR AND BLADE
Louis H. Young, West Newton, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application November 2, 1943, Serial No. 508,686
8 Claims. (Cl. 30—70)



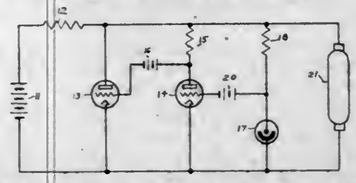
8. In a safety razor having cooperating cap and guard members shaped to clamp a flexible blade between them in a position of transverse curvature; a blade having a substantially rectangular body of thin flexible steel recessed in each corner whereby it is provided with elongated end portions of reduced width bounded by unsharpened transverse edges and being sharpened throughout its longitudinal edges, the blade also having a central longitudinal slot intersecting one of said transverse edges and terminating within the other end of the blade in line with adjacent ends of opposed sharpened edges, the blade being of such length at that end having the intersected edge as to lie within the confines of the cap and guard members, thereby being protected from torsional stress when the user clamps the blade for shaving.

2,356,194
PAPER BOX
Sterling R. Arner, Charlotte, N. C., assignor to Old Dominion Box Company, Lynchburg, Va., a corporation of Virginia
Application July 19, 1943, Serial No. 495,288
2 Claims. (Cl. 229—5.5)



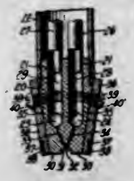
1. A container having inner and outer side walls, a bottom having its periphery fitting snugly against the lower inner side wall, a label covering the lower surface of the bottom member and having its edges folded up between the inner and outer side walls, the outer side wall extending further downwardly than the inner side wall, an additional bottom member having its periphery fitting snugly against the interior surface of the outer side wall, and having one side fitting against the label on the first-mentioned bottom, the outer side wall having a covering whose upper edge is turned down between the inner and outer side walls, and whose lower edge is turned inwardly over the end of the outer side wall and against the lower surface of the second bottom member and a label adhesively secured to the lower surface of the second bottom member and to the inturned portions of the cover.

2,356,195
LIGHT CONTROL MEANS
James R. Balsley, Stamford, Conn., assignor to James R. Balsley, Incorporated, Stamford, Conn., a corporation of Connecticut
Application May 23, 1941, Serial No. 394,903
12 Claims. (Cl. 315—151)



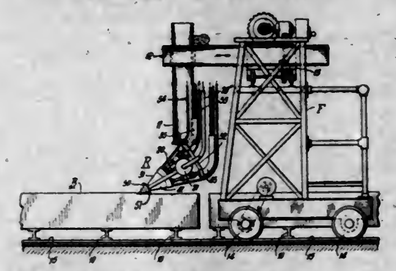
1. The method of controlling light intensity which comprises energizing a light source in shunt with an electron discharge tube, said tube having a fixed grid bias, causing a portion of the light from said light source to fall upon a photoelectric cell and causing all components of the output of said photoelectric cell to control the plate current of said tube.

2,356,196
BLOWPIPE APPARATUS
Malcolm H. Barnes, Charles J. Burch, and William G. Edwards, Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
Application March 30, 1940, Serial No. 326,880
7 Claims. (Cl. 158—27.4)



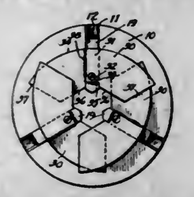
1. A blowpipe tip having outlet passages converging at an acute included angle, said passages being adapted to discharge at least two gas streams at substantially equal velocities, one of said passages being adapted to discharge a stream of fuel gas and the other of said passages being adapted to discharge a stream of oxidizing gas, the axes of said passages lying in the same plane and the discharge orifices of said passages coinciding in the plane of a surface of the tip to form a common discharge orifice, whereby such fuel gas stream and such oxidizing gas stream will collide in said common discharge orifice at the instant that both of said streams discharge from their respective passages, to produce a single combustible gas stream immediately externally of said tip.

2,356,197
BLOWPIPE DEVICE
Homer W. Jones, Westfield, and Wilgot J. Jacobsson, Plainfield, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application December 19, 1941, Serial No. 423,618
9 Claims. (Cl. 266—23)



4. A blowpipe device for scarfing ferrous metal comprising, in combination, a row of interchangeable flame nozzle units adapted to produce in free space an intense substantially non-luminous flame substantially in the form of a ribbon of high temperature characterized by a row of stable substantially closely spaced primary combustion zones, a corresponding row of interchangeable oxidizing gas nozzle units adapted to discharge an oxidizing gas to produce a wide, flat stream of said gas adjacent said flame, means connecting all of said units in assembled relation with the individual units of each respective row in end-to-end alignment, and with said rows in parallel relation with each other, means for supporting said units in a position such that the oxidizing gas is obliquely impinged upon a surface to be removed, and means for effecting relative motion between a body to be operated upon and said blowpipe device.

2,356,198
GUARD
John P. Barry, Stratford, and Cleveland C. Avery, Fairfield, Conn., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application February 12, 1944, Serial No. 522,056
14 Claims. (Cl. 279—110)



6. A chuck guard for a rotatable chuck having radially movable chuck jaws, comprising a plurality of shield plate members adapted to be respectively secured to the forward sides of each of said chuck jaws, each of said shield plate members adapted to project at each side of the respective chuck jaws into overlapping relation with the respective shield plate members carried by the adjacent chuck jaws, the projecting portion of each of said shield plate members at one side of the respective chuck jaws being downwardly offset a distance corresponding approximately to the thickness of said shield plate members in parallel relation to the projecting portion at the other side whereby said down-

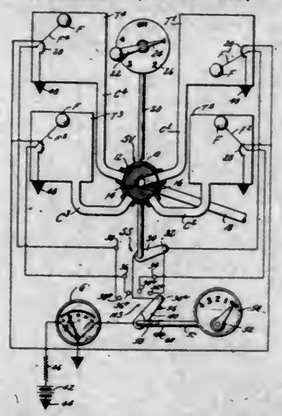
wardly offset portion of each of said shield plate members is superimposed by the overlapping relatively upwardly offset portion of the adjacent shield plate member.

2,356,199
CONNECTION PLUG
Ludwig A. Battermann, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1942, Serial No. 444,615
7 Claims. (Cl. 287—2)



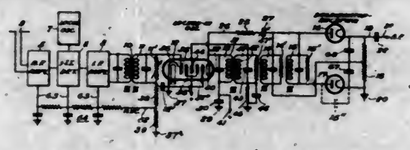
1. A connection plug for joining sections of an inner conductor of a transmission line comprising at least two metallic tubes, a threaded end plug secured to one end of a metallic tube forming one of the sections of the inner conductor of said line, a threaded plug body device adapted to be attached to said threaded end plug, spring tension means within said threaded plug body device for causing its walls to engage the inside wall of one of said metallic tubes.

2,356,200
SELECTIVE FUEL TANK CONTENT INDICATOR
Earl L. Bedard, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 30, 1943, Serial No. 496,841
5 Claims. (Cl. 73—290)



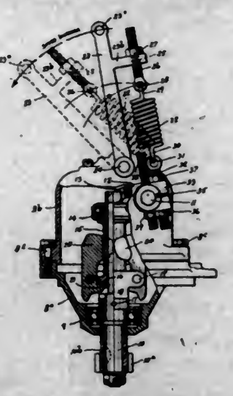
1. In combination with a plurality of fuel tanks and a selector valve for controlling fuel therefrom to a supply conduit, selective indicator means for the contents of said fuel tanks comprising a single indicating means for all of said tanks, switch means for selecting the tank effective to actuate said indicator means comprising a selector valve switch connected for simultaneous adjustment with said selector valve, a manual selector switch operable to connect said indicator means with any of said tanks desired independent of said selector valve switch, and means to normally return said manual selector switch to a position for permitting said selector valve switch to function.

2,356,201
FREQUENCY MODULATION SIGNAL RECEIVING SYSTEM
George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 12, 1942, Serial No. 430,588
33 Claims. (Cl. 250—20)



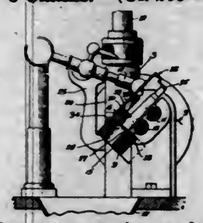
1. In a frequency modulation receiving system, a circuit for receiving frequency modulated waves, means for supplying frequency modulated signal waves to said circuit, a demodulator, selective circuits in the input of the demodulator for converting frequency variations to amplitude variations, and connections between said receiving circuit and said selective circuits, said connections including means for increasing the selectivity of the system and said last-named means including oscillation producing means locked in step with a desired frequency modulated wave over a range of frequency variations including, and substantially limited to, the range of frequencies of the desired modulated waves, whereby interference due to noise frequencies or adjacent channel frequencies is reduced.

2,356,202
GOVERNOR SPRING STRUCTURE
Walter E. Benjamin, Anderson, Ind., assignor to Pierce Governor Company, Anderson, Ind.
Application June 25, 1942, Serial No. 448,402
2 Claims. (Cl. 267—1)



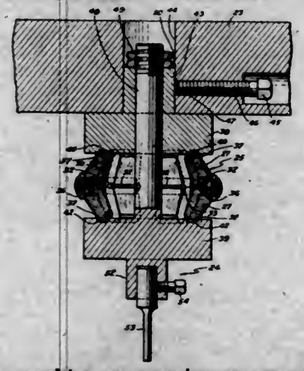
1. A rate varying construction for a centrifugal governor manually adjustable, coiled load spring, comprising a tiltable anchorage for one end of the spring, a second tiltable anchorage for the other end of the spring, the tilting axes of the anchorages being offset from each other and remote from said other end of the spring, and abutment means including an axially adjustable member disposed between the axes and having a spring contacting portion disposed between the spring ends, said means being adjacent the said one end of the spring and contacting same between the ends thereof for varying the normal spring rate and direction of deflection of the spring, the tilted position of the second tiltable anchorage determining the corresponding line of action of said spring for such tilted position.

2,356,203
SORTING DEVICE
Edwin H. Birdsall, Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application September 10, 1942, Serial No. 457,837
8 Claims. (Cl. 209—90)



1. A machine for gauging and separating elongated articles, each article having a base portion and a neck portion comprising means for supporting the bases of said article; conveyor means engaging said articles to positively translate said articles along said supporting means, said conveyor means comprising a pair of spaced parallel screws rotatable in a plane slightly inclined to the vertical to hold the articles upright with the bases of said articles on said support; and means for discharging articles from said machine comprising a gauge member to engage articles exceeding a predetermined length and move the bases of said articles off of said support.

2,356,204
MAGNETIC TOGGLE OVERLOAD RELEASE
Edwin H. Birdsall, Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application April 3, 1943, Serial No. 481,773
14 Claims. (Cl. 74—585)

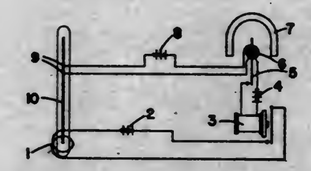


1. In a machine, an operator; an operated member; and a yieldable connection between said operator and member including a magnetic toggle, said toggle comprising a composite ring member constructed and arranged to collapse in a direction substantially perpendicular to the plane of the ring.

2,356,205
PROCESS FOR INCREASING PRODUCTIVITY OF SUBTERRANEAN OIL-BEARING STRATA
Charles M. Blair, Jr., Webster Groves, and Sears Lehmann, Jr., University City, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application October 21, 1942, Serial No. 462,884
5 Claims. (Cl. 252—8.55)

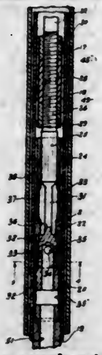
1. In the process of increasing the productivity of oil-bearing strata by removal of wax, associated occlusions, and brine, the step of subjecting the strata to the action of a transparent emulsion of predetermined composition, consisting of (*a*) at least 15% and not over 90%, by weight, of an aqueous polar component whose polarity is at least equal to that of water; (*b*) at least 5% and not more than 75%, by weight, of a non-polar solvent having a solvent capacity for medium melting point paraffin wax which is at least one-third that of carbon tetrachloride under comparable conditions at normal temperatures; (c) at least 2% and not more than 20% of a water-soluble wetting agent; and (*d*) at least 2% and not more than 30%, by weight, of an organic semi-polar common solvent of a dielectric constant in excess of 6 and not over 26, the hydrophobic radical of said solvent containing from 2 to 12 carbon atoms, with the proviso that the longest carbon atom chain in said hydrophobic radical shall be less than 8 carbon atoms and that in such carbon atom chain length determination, cyclic carbon atoms shall be counted as one-half, and with the added proviso that the addition of a semi-polar common solvent within the limits indicated to the three prior constituents, shall be at least sufficient to render all components mutually soluble.

2,356,206
TEMPERATURE CONTROL CIRCUIT
Frank G. Boucher, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 25, 1941, Serial No. 380,510
1 Claim. (Cl. 219—20)



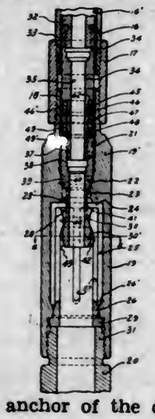
In a device which in use is subjected to vibration and has a temperature control circuit utilizing a capillary column of mercury, in combination, a pair of contacts arranged in said column, an electrical circuit containing said contacts and also including a highly sensitive relay capable of operating on a very small current and being of a nature such as to be subject to undesirable operation due to vibration, a second circuit controlled by said relay and containing a time delay relay having a circuit opening lag suitable for the temperature control function of the circuit and sufficiently long to be unaffected by undesirable operation of said sensitive relay due to vibration, and a third circuit supplying the heating current controlled by said time delay relay.

2,356,207
PUMPING MECHANISM
Chalon E. Bridwell, Detroit, Mich.
Application October 13, 1941, Serial No. 414,739
5 Claims. (Cl. 103—179)



1. In a pumping mechanism of the class described, including a liquid conduit; a pump barrel positioned in said conduit; and a tubular plunger snugly engaging in said pump barrel in slidable relation to said pump barrel; the combination of a tubular fitting attached to the upper end of said plunger and forming a continuance thereof; an inwardly projecting circular flange on said fitting intermediate its ends and having a constricted opening formed therethrough; a valve mechanism positioned between said flange and the end of said plunger and embodying a cup shaped structure, the outer face of the base of said cup shaped structure being engageable with an end face of said flange and forming a valve for the opening through said flange, said cup shaped structure bearing adjacent one end in snug relation with the inner face of said fitting and being reduced in diameter adjacent its opposite end and in spaced relation with the inner face of said fitting and having openings formed therein for establishing communication between the interior of said cup shaped structure and the space between said fitting and said reduced end.

2,356,208
PUMP ANCHOR MECHANISM
Chalon E. Bridwell, Detroit, Mich.
Application October 13, 1941, Serial No. 414,740
3 Claims. (Cl. 103—219)



1. In a pump anchor of the class described, a substantially long anchor shoe having a bore formed therethrough, said bore being reduced in diameter intermediate its ends; an elongated slitted collet inserted in said bore below the reduced section; and means threaded in the end of said anchor shoe for securing said collet in said anchor shoe.

2,356,209
ADJUSTABLE CORD
Arnold Brilhart, Great Neck, N. Y., assignor to Arnold Brilhart Ltd., a corporation of New York
Application April 1, 1942, Serial No. 437,231
2 Claims. (Cl. 224—5)



1. An adjustable instrument-supporting cord shaped as an elongated closed curve, part of said cord folded back upon itself so as to form a single loop at one end thereof, a double loop at its opposite end, and a single loop intermediate its opposite ends, and provided with means for adjusting the length of the cord between its said opposite ends, said means comprising a tubular member open at both ends thereof and having two pairs of openings in its side wall, the companion openings of each pair being spaced from each other longitudinally of said tubular member and the pairs of openings being in spaced relation peripherally of said member, a pin carried by said tubular member in position across the bore thereof and secured to the wall of said tubular member between each pair of said openings, said intermediate loop of the cord engaging around said pin and emerging in two strands through the lower end of said tubular member, said strands extending downwardly for a distance, then folding back upon themselves to form said double loop, each of the folded-back strands reentering the lower end of said tubular member, emerging through the lower one of said pairs of openings in the side wall of the tubular member, re-entering the tubular member through the upper or companion opening and emerging through the upper end of said tubular member, the two strands thus emerging through said upper end being joined to form said first mentioned single loop.

2,356,210
PRIMING COMPOSITION
Willi Brün, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application July 22, 1941, Serial No. 403,535
7 Claims. (Cl. 52—4)

1. A priming mixture for ammunition containtaining an inert material granulated to pass a 200 mesh screen and present in a quantity sufficient to substantially inhibit mass detonation

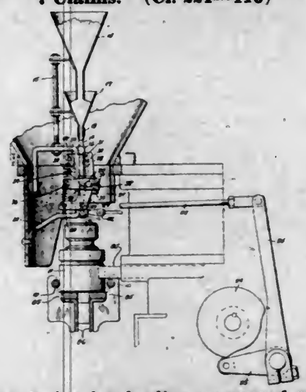
without material detriment to percussion sensitivity, such quantity varying with the characteristics of the specific inert material, but in no case being less than substantially 1% of the entire mixture.

2,356,211
AMMUNITION PRIMING COMPOSITION
Philip H. Burdett, Bridgeport, and Gordon M. Calhoun, Fairfield, Conn., assignors to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application May 24, 1941, Serial No. 394,994
4 Claims. (Cl. 52—4)

1. An ignition mixture containing approximately:

	Per cent
Normal lead triazoacetate	10
Lead styphnate	32
Lead sulfocyanate	8
Lead nitrate	30
Glass	20

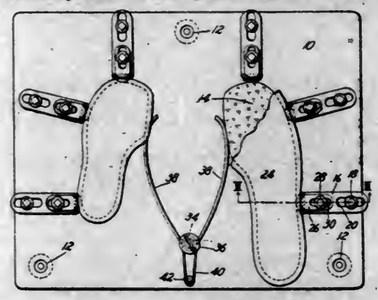
2,356,212
MEASURING DEVICE
Philip H. Burdett, Bridgeport, Warren S. Reynolds, Stratford, and John R. Turner, Milford, Conn., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application August 25, 1942, Serial No. 455,990
7 Claims. (Cl. 221—113)



1. In a device for feeding measured quantities of a relatively flowable material to a container, the combination comprising a receptacle with an outlet for supplying the flowable material from the receptacle; a collapsible tube for receiving the material from the receptacle; a shaft; two pivoted levers loosely mounted on said shaft for compressing said tube at spaced points; yielding means to urge said levers into tube closing position; and means to alternately positively move said levers from tube compressing position so as to feed measured quantities of the material from the tube.

2,356,213
EDGE GAUGING MECHANISM
Ernest Lindon Butler, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 21, 1943, Serial No. 483,918
7 Claims. (Cl. 12—17)

1. Means for use in assembling two work pieces in superposed relation one to the other, comprising a work supporting plate, an edge gauging assembly mounted on said plate arranged to engage a work piece, pressure applying means for holding said work piece against said edge

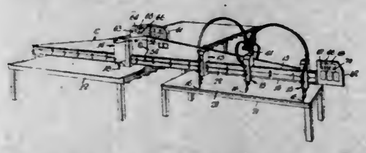


gauging assembly, said pressure-applying means comprising a torsion spring having an extended leg arranged to engage the edge face of said work piece, and means for positioning another part in a superposed relation to said work piece.

2,356,214
FORMULA FOR A COMPOSITION OF CERAMIC MATTER
Romildo Casciani, Brooklyn, N. Y., assignor of one-third to Max Bernstein and one-third to Jack Meltzer, both of Brooklyn, N. Y., and one-third to Julius H. Funk, St. Louis, Mo.
No Drawing. Application July 25, 1941, Serial No. 404,077
1 Claim. (Cl. 106—92)

A ceramic composition consisting of the product formed by molding without heat and evaporating to dryness a mixture of and substantially in the proportions of 15 ounces of magnesite, 25 ounces of Florida clay, 26 ounces of talc, 4 ounces of bentonite, 15 ounces of asbestos, 5 ounces of silica, 3 ounces of dextrine, and 7 ounces of Portland cement with a solution of 5½ ounces of calcium chloride and water.

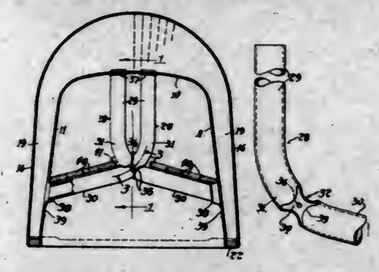
2,356,215
TORCH CUTTING MACHINE
Alfred F. Chouinard, Chicago, and Louis A. Bordeaux, Lincolnwood, Ill., assignors to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application April 19, 1941, Serial No. 389,404
17 Claims. (Cl. 266—23)



4. A torch cutting machine comprising a carriage, a torch supported on said carriage for movement therewith and therealong, a conduit for delivering a gas to said torch, a valve in said conduit, a pair of spring-pressed electric switches remote from said valve, means responsive to manipulation of one of said switches from a normal position and against the action of its respective spring for opening said valve, said latter switch returning to normal position under the action of its spring after its release, means for maintaining said valve open after the

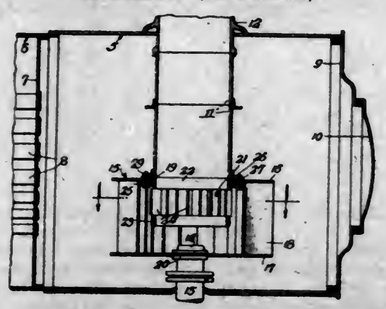
actuation and release of said last-mentioned switch and means responsive to actuation of the other switch from a normal position and against the action of its respective spring for closing said valve.

2,356,216
LOCOMOTIVE BOILER FIREBOX
Gust J. Christenson, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application September 16, 1939, Serial No. 295,240
5 Claims. (Cl. 122—68)



1. In combination with a locomotive boiler firebox including front, rear, side and crown sheets, a water steaming and circulating element in the firebox made from two separate tubes, each having a substantially upright portion that opens at one end through the crown sheet and a second portion that opens at one end through another sheet of the firebox and arranged at an angle with respect to the first portion, the other end of both portions of each tube being connected by a rounded, kneelike junction portion which has an opening therein, the junction portions of both of said tubes being disposed in crossing relation with the edges of the openings therein engaged and secured together in a pressure-tight manner and affording communication between said tubes at said junction portions.

2,356,217
LOCOMOTIVE FRONT END
Gust J. Christenson, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application September 14, 1942, Serial No. 458,227
12 Claims. (Cl. 230—97)

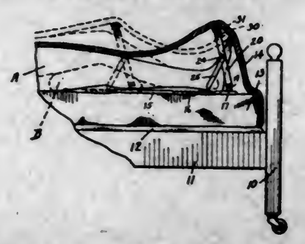


1. In combination with a smoke box, a smoke stack having a bottom end portion disposed in the smoke box, a nozzle arranged to discharge exhaust steam into said smoke stack portion, means in said smoke box for imparting a whirling action in one direction to the products of combustion entering the same under the action of the exhaust steam discharged by the nozzle, and means associated with said bottom end portion of the stack for counteracting said whirling action of said products of combustion as they enter said bottom end portion of the stack by effecting reversal of flow of at least a part of said products of combustion, thereby causing the products of combustion discharging up through the stack to move as a substantially non-whirling stream.

2,356,218
FERMENTATION PROCESS FOR PRODUCTION OF ETHANOL
Leo M. Christensen, Miller, Nebr., assignor of one-third to Frank L. Robinson, Kearney, Nebr., and one-third to John L. Ledbetter, Jr., Scarsdale, N. Y.
No Drawing. Application September 2, 1941, Serial No. 409,316
3 Claims. (Cl. 195—15)

1. In a process for the production of ethanol from amylaceous material comprising gelatinizing the starchy content of said amylaceous material, converting said gelatinized starchy content to fermentable sugars by means of a plurality of additions of an enzymatic diastatic agent, and fermenting the sugars with yeast, the improvement which comprises adding before alcoholic fermentation an amount of the enzymatic diastatic agent between 1.5% and 3% of the starchy content of the amylaceous material on a moisture-free basis and adding after the 20th hour of alcoholic fermentation a further amount of the enzymatic diastatic agent between 1% and 2% of the original starchy content on a moisture-free basis.

2,356,219
BED COVER SUPPORT
Fredrick W. Coffing, Danville, Ill., assignor of one-fourth to George H. Brown and one-fourth to Gladys R. Brown, both of Danville, Ill.
Application April 20, 1942, Serial No. 439,693
6 Claims. (Cl. 5—319)



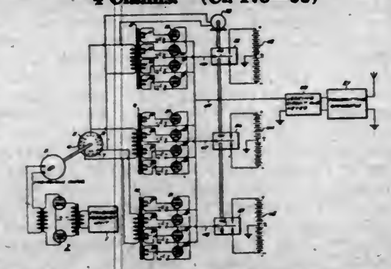
1. A portable, collapsible and adjustable self-sustaining bed cover supporting structure and including a pair of spaced, elongated base members, each of substantial width and a length several times that of the width and adapted to bear flatwise anywhere on any standard width bed and below the covers thereon, each base member having a longitudinal series of stop portions, an inverted U-shaped cover support having arm portions with free ends pivoted to the base members near one end of the base members, and a pair of substantially equal length brace members, each of a lesser length than the adjacent arm portion and pivoted at one end thereto remote from the pivotal connection thereof to the base member, each brace member having its opposite end adapted for selective stop portion engagement.

2,356,220
BANDOLEER LOADING TOOL
Judson A. Cook, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application August 12, 1943, Serial No. 498,371
1 Claim. (Cl. 86—47)



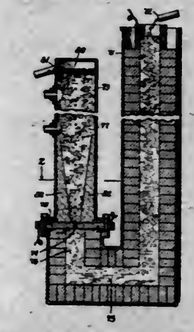
A tool for filling cartridge bandoleers with cartridge clips, said bandoleers having a series of pockets each comprising a bottom portion, a pocket flap portion and a cover flap portion normally overlapping the edge of said pocket flap portion, said tool comprising an elongated arm member, of flat strip material of substantially less width than the width of one of said bandoleer pockets and having two substantially straight portions defining an angular arched form between its ends to provide a forward guide portion inclined downwardly with respect to a rearward handle portion, and having at the under side of its forward end a rearwardly extending hook portion adapted for engaging the edge of the cover flap to manipulate it around the edge of the pocket flap, said arm member being insertable in a pocket of said bandoleer beneath said pocket flap and having at its said guide portion an under face adapted while inserted in said pocket to be disposed over said cover flap and an upper face constituting an inclined guide surface for guiding a cartridge clip into said pocket.

2,356,221
ELECTRON SWITCHING FOR SPEED CONTROL CIRCUITS
John W. Cox, Berkeley, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Original application September 5, 1941, Serial No. 409,623. Divided and this application April 7, 1943, Serial No. 482,115
4 Claims. (Cl. 178—53)



1. In receivers for multiplex telegraph circuits having a substantially constant frequency source subject to slight variations from synchronism with the received signals, a distributor member, means for driving said distributor member at a speed normally proportional to the frequency of said source, a first and a second polyphase generator, each having a frequency proportional to the speed of said distributor member, one leading and the other lagging the distributor member, a plurality of tubes, each phase of each generator being connected to the input circuits of a separate pair of said tubes, one tube of each pair being reversely connected in respect to the other tube thereof, one tube of each pair being blocked below the positive peak and the other below the negative peak of the applied alternating current, electromagnetic means for increasing and decreasing the speed of said distributor member, means for applying potential to the output circuits of said plurality of tubes at a constant phase point of the signals, whereby the tubes pass current only upon said constant phase point coinciding with the peak of the voltage of correct sign in the input of their respective circuits and means for passing current to said electromagnetic means to increase the speed upon passage of current by the tubes connected to the leading generator and for decreasing the speed upon passage of current by the tubes connected to the lagging generator.

2,356,222
APPARATUS FOR MAKING METALLIC SHAPES
Charles D. Coxe, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Original application May 11, 1940, Serial No. 334,537. Divided and this application June 10, 1942, Serial No. 446,453
5 Claims. (Cl. 83—91)

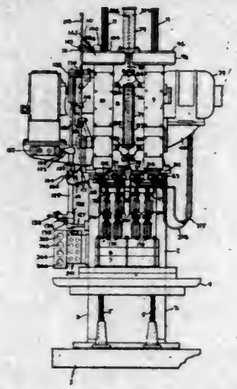


5. In an apparatus for forming separate shaped bodies directly from molten metal, said molten metal having a melting point greater than 200° C. and an atomic volume less than 19, the combination comprising: a container for a bath of a second molten metal, said second molten metal being substantially immiscible with and having a substantially lower melting point and a substantially different specific gravity than the metal to be shaped; an orifice to introduce the molten metal to be shaped into the molten metal bath under such a pressure as to permit formation of the separate bodies so that the metal will pass through the bath; and means to remove the shaped bodies from said bath.

2,356,223
HONING MACHINE
George Crompton, Jr., Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 12, 1942, Serial No. 446,743
17 Claims. (Cl. 51—34)

1. In a honing machine, a central screw shaft, means rotatably to drive said screw shaft including means to reverse the direction of rotation, a hollow spindle surrounding said screw shaft, cage means connected to said hollow spindle supporting the honing sticks for expansion and contraction, honing stick holders mounted in said cage means for movement in a generally radial

direction, nuts in contact with said screw shaft, wedge means formed on said nuts and on said



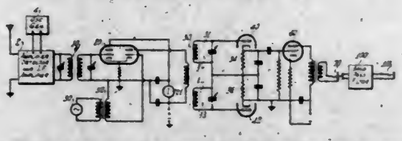
holders, and a brake to retard rotation of said cage means which is driven by said screw shaft through said nuts.

2,356,224

FREQUENCY MODULATION TONE KEYER

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 10, 1942, Serial No. 450,354
13 Claims. (Cl. 250—8)



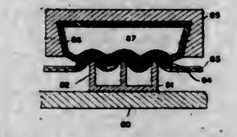
1. In a system for demodulating wave energy, the frequency of which is alternately keyed from one frequency to another frequency, and the amplitude of which is modulated in accordance with potentials of a third frequency, a frequency discriminator circuit, of the type having similar but oppositely sloped characteristic curves which intersect, so constructed and arranged that the point of intersection coincides in the frequency spectrum with the frequency of said wave energy in one of its keyed positions, connections for impressing said wave energy on said discriminator circuit, and balanced detectors coupled to said discriminator circuit.

2,356,225

DECORATED FABRIC

George R. Cunnington, Grosse Pointe Park, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Application October 16, 1939, Serial No. 299,728
7 Claims. (Cl. 154—2)



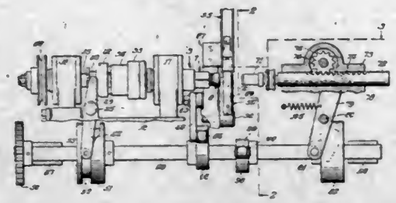
1. The method of providing a fabric with a raised, smoothly rounded bead which comprises applying a moldable, vulcanizable sheet material to the rear surface of said fabric, placing the assembly against a soft, yieldable support with said sheet material in contact with said support, pressing said fabric along spaced lines into said support, while leaving said fabric between said lines free for outward displacement, thereby shaping said fabric and sheet material outward from said support into a smoothly rounded, shallow bead between said lines, and heating said sheet material to vulcanize the same while retaining said assembly shaped as described.

2,356,226

SEAT FACING MACHINE

Edward H. Delahan and Albin G. Frojd, Rockford, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Original application February 15, 1941, Serial No. 379,048. Divided and this application May 24, 1943, Serial No. 488,242
7 Claims. (Cl. 82—2)



1. A machine for performing a finishing operation on the exterior of a cup having a previously finished inner end wall surface, comprising a chuck having a plurality of resilient, radially expandable jaw elements the outer terminals of which are adapted to locate against said previously finished inner end wall surface, an operating rod within said jaw elements of the chuck arranged to have camming engagement with said jaw elements to spread the same into clamping engagement with the interior of the cup, a spring-pressed ejector plunger carried in an axial opening in said operating rod, adapted to engage said inner surface and yieldingly urge the cup away from the chuck, means for pushing the cup onto the end of the chuck against the resistance of said ejector plunger while the chuck jaws are in normal contracted position, and for yieldingly holding the cup in locating engagement with the end of the chuck, means for subsequently advancing said chuck operating rod to expand said clamping jaw elements into radial engagement with a cup on the chuck, while said pushing means continues to act against the cup, means for subsequently advancing a tool against the exterior of the cup, means for rotating the chuck during such advancing movement, said chuck operating rod being adapted to be subsequently retracted so as to release the cup, and said ejector plunger being adapted to thereupon eject the cup from the end of the chuck.

2,356,227

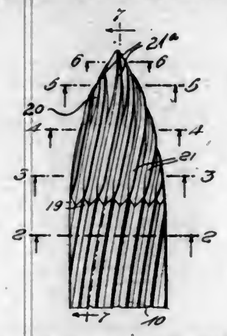
PROJECTILE

Elias Stanley Diehl, Bedford, Pa.

Application August 27, 1940, Serial No. 354,440
2 Claims. (Cl. 102—92.5)

1. A projectile for a gun, comprising a hardened steel body, rifling on the periphery of said body adapted to fit the rifling of a gun barrel, said rifling comprising V-shaped lands and

grooves, said body having a substantially concave front end, said lands of said rifling being continued beyond the front edge of said body and formed to provide points a hardened steel point detachably connected to said body for selective use therewith, said point having rifling on the



periphery thereof of the same pitch as that of said body, said rifling of the point being V-shaped at the rear end and merging with the rifling of said body, said rifling of said point being progressively reduced in size and progressively changed in form towards the front end of the point to provide drill ribs.

2,356,228

PROCESS FOR THE PRODUCTION OF CELLULOSE ESTERS

Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 22, 1940, Serial No. 366,701. In Great Britain September 17, 1940
8 Claims. (Cl. 260—227)

1. Process for the production of lower aliphatic acid esters of cellulose, which comprises esterifying cellulose with a lower aliphatic acid anhydride in a medium which is a solvent for the primary ester formed and contains a neutral hydrophobe organic liquid which is a chlorinated lower aliphatic compound containing at least two chlorine atoms and a carbon atom not attached to chlorine.

2,356,229

ALTERNATING CURRENT GENERATOR

Kermit S. Dunlap, Richmond Hill, N. Y., and Clarence A. Lovell, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 29, 1942, Serial No. 428,714
2 Claims. (Cl. 179—90)



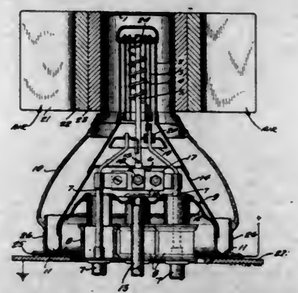
2. An alternating current generator vibrative reed, said reed being made of magnetic material and having a securing portion, a tapered portion and a rectangularly-shaped portion, the tapered portion extending in straight lines from the width of the securing portion to a point connecting with the rectangularly-shaped portion, the length of the rectangularly-shaped portion being less than the length of the tapered portion.

2,356,230

HIGH-FREQUENCY APPARATUS

Carroll Dale Kentner, Medford Lakes, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 30, 1941, Serial No. 424,992
3 Claims. (Cl. 250—27.5)



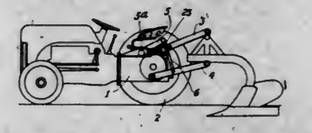
1. Radio frequency apparatus comprising a tube having a screen grid, a metallic screen grid support electrically connected to said screen grid, a metallic header member electrically connected to said screen grid support, a first condenser electrode electrically connected to said header member, a ground plate forming a second condenser electrode, and a sheet of insulation material interposed between said first and second condenser electrodes.

2,356,231

TRACTOR FOR AGRICULTURAL IMPLEMENTS

Henry George Ferguson, Belfast, Northern Ireland

Application April 14, 1943, Serial No. 483,009
In Great Britain July 4, 1941
31 Claims. (Cl. 97—50)



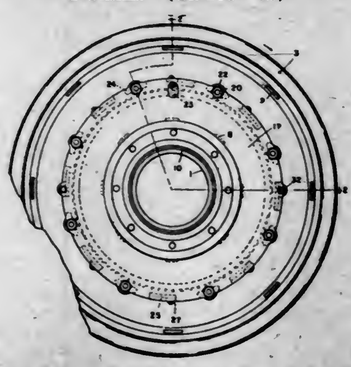
1. In a tractor having means for the attachment of a soil-working or agricultural implement, a power-operated control unit for moving said implement up and down with reference to the tractor and supporting it on the tractor, an operator-controlled member for controlling said unit to raise or lower the implement, and overload-release means adapted to put said control unit out of effective operation when an excess of draft pressure on the implement occurs so that the latter is no longer supported or largely supported on the tractor and slipping of the traction wheels occurs; catch means for automatically maintaining said power unit out of operation during the consequent decrease of draft pressure consequent on said slipping and means on said member for rendering said catch means inoperative when said member is moved to implement-lifting position.

2,356,232
PACKING DEVICE
Jeremiah J. Fitzpatrick, Oklahoma City, Okla.
Application March 13, 1943, Serial No. 479,129
8 Claims. (Cl. 166—10)



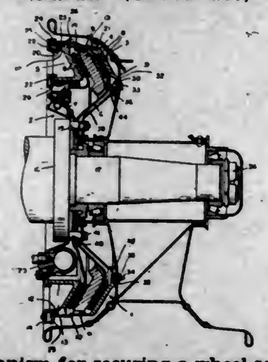
1. In a well packer: a tubular packer expander mounted in a production tubing string to form a continuation thereof; a downwardly and inwardly tapered exterior surface carried by the expander; a tubular elastic packer sleeve surrounding the tubing below the expander and adapted to be anchored against downward movement in a well casing; and a downwardly and inwardly tapered bore in the sleeve; the diameter of the lower end of the tapered surface of the expander being considerably less than the diameter of the lower end of the bore of said sleeve, said expander adapted to be lowered into the bore of the sleeve for intimate contact therewith to expand the same laterally.

2,356,233
BRAKE
Joseph A. Forbes, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 6, 1942, Serial No. 449,927
1 Claim. (Cl. 188—72)



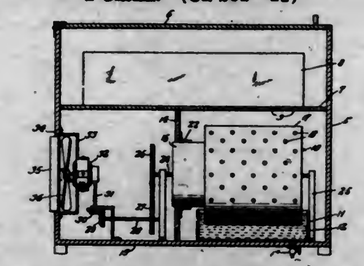
In a brake, relatively rotatable discs, a supporting member for one of said discs formed with an annular cylinder, an annular piston slidable within said cylinder and engageable with one of said discs for axially moving the same into engagement with the other of said discs, and peripherally extending compression links spaced angularly about said annular cylinder and pivotally engaging said supporting member and said axially movable disc, said links upon movement of said axially movable disc into engagement with the other of said discs being adapted to swing relative to said supporting member to increase the pressure of said axially movable disc upon the other of said discs.

2,356,234
BRAKE
Joseph A. Forbes, Detroit, Mich., assignor to John Sneed, Royal Oak, Mich.
Application November 16, 1942, Serial No. 465,745
8 Claims. (Cl. 188—206)



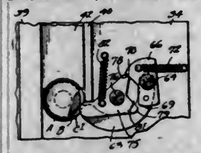
1. Mechanism for securing a wheel and a brake having rotatable and non-rotatable friction members, said mechanism comprising dowels on the wheel slidably extending through a rotatable friction member, spring means on said rotatable friction member engageable with said dowels to lock said rotatable friction member to the wheel, and means engageable with said spring means to release the same from said dowels when the wheel is being demounted.

2,356,235
AIR COOLER AND PURIFIER
James N. Fulcher, Vernon, Tex.
Application April 23, 1943, Serial No. 484,267
1 Claim. (Cl. 261—11)



In air conditioning apparatus, a cabinet having a horizontal upper partition therein forming with the upper portion of the cabinet an ice containing compartment, a vertical transverse partition in said cabinet below the horizontal partition dividing the cabinet below said ice containing compartment into an air intake and a discharge compartments, respectively, the horizontal partition being perforated above the air intake compartment to permit drippings from the ice in said ice containing compartment to escape into the air intake compartment, an air inlet and an air outlet in said cabinet opening into the air intake and out of the air discharge compartment, respectively, a liquid containing pan in the air intake compartment, a perforated drum unit journaled at one end in said transverse partition for rotation in said pan and to open into said air discharge compartment, a motor fan unit in said air discharge compartment opposite said outlet, and gearing between the motor of said unit and said drum.

2,356,236
GAUGING DEVICE
Antoine F. Gagne, Jr., Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application January 28, 1943, Serial No. 473,825
7 Claims. (Cl. 209—90)



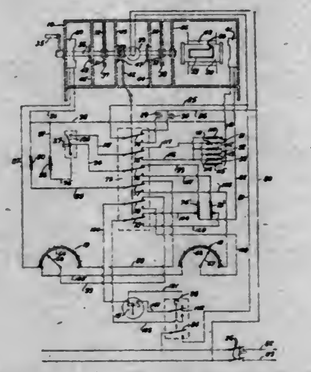
1. In a gauging device for gauging the diameter and profile form of articles in a feed line, a pair of movably mounted article engaging members each including an integral feeler portion, said feeler portions being adapted normally to extend into the feed path of said articles and respectively engage different portions of the profile, said members each being movable out of said feed path, and blocking means cooperatively related to said members adapted to enable movement of one of said members independently of the other and to limit the independent movement of said members such that the feeler portion of one member still extends into said feed path, said blocking means being rendered inoperative upon the simultaneous movement of both of said members, whereby the feeler portions thereof are movable out of said feed path to allow the passage of an article in the feed line.

2,356,237
HEATING UNIT
Roman F. Geller, Chevy Chase, Md., assignor to the Government of the United States as represented by the Secretary of the Department of Commerce
Application October 6, 1942, Serial No. 460,947
5 Claims. (Cl. 13—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



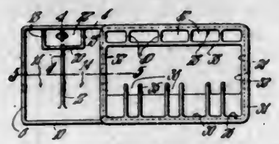
1. A resistance heater for electric furnaces comprising a lower contact block, a resistance rod having one of its ends seated by gravity against said contact block, and an upper contact block seated by gravity against the opposite end of said resistance rod, each of said three elements being formed of metal oxides, and said blocks having a lesser electrical resistivity than said rod; whereby good electrical contacts between said elements are provided, the installation is made easily demountable, and extremely high incandescent temperatures of said rod may be attained without excessive heating of said contact blocks.

2,356,238
PHOTOELECTRIC APPARATUS FOR MEASURING COLOR AND TURBIDITY
Thomas R. Gillett, Crockett, Philip F. Meads, Richmond, and Alfred L. Holven, Crockett, Calif.
Application May 2, 1941, Serial No. 391,524
20 Claims. (Cl. 88—14)



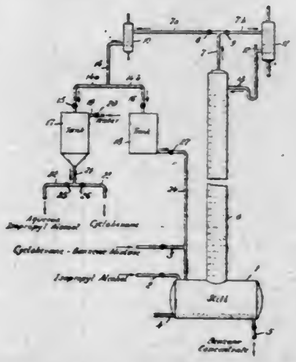
1. In a photoelectric measuring device for measuring the color of a liquid, the combination of a pair of photo-generative cells, a source of illumination adapted to project beams of light of equal intensity upon said photo-generative cells, a filter means adapted to limit said light beams to a monochromatic region of the visible light spectrum, a second filter means adapted to limit said light beams to the infra-red region of the spectrum, means for supporting a sample of liquid the color of which is to be measured between said source of light and one of said photo-generative cells, means for interchangeably supporting said filter means, whereby the light beam reaching said cell through the first of said above filter means will be modified by the color and turbidity of said liquid and the light beam reaching said cell through said second filter means will be modified by the turbidity alone of said liquid, a measuring means adapted to be connected to said photoelectric cells when said first filter means is in use to indicate the total light absorption of said sample liquid when the first of said filter means is in operation, a second measuring means adapted to be connected to said photoelectric cells when said second filter means is in use to indicate the turbidity of said sample liquid when the second of said filter means is in operation, and means responsive to the interchange of said filter means whereby the proper measuring means will be connected to said photoelectric cells when the corresponding filter means is in operation.

2,356,239
STERILIZER
Vincent Giuliana, Springfield, Mass.
Application April 11, 1944, Serial No. 530,446
4 Claims. (Cl. 21—91)



1. A sterilizer of the class described comprising in combination, a base, rear, front, end and intermediate walls extending upwardly from the base forming therewith an auxiliary and a main compartment open at upper sides separated by said intermediate wall, a guide member having rear, front and end walls insertable in the main compartment, walls associated with the said rear wall in the auxiliary compartment forming therewith a wedge shaped compartment, one of said walls and said intermediate wall provided with an opening whereby said wedge shaped compartment, auxiliary compartment and main compartment are in communication for the passage of liquid therebetween, and partitions associated with the walls of the guide member forming guideways for implements.

2,356,240
PRODUCTION OF CYCLOHEXANE
Marston L. Hamlin, Lynbrook, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application July 28, 1942, Serial No. 452,591
3 Claims. (Cl. 202—42)



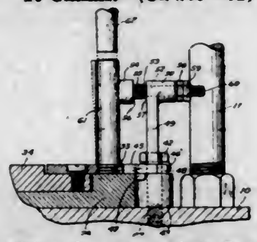
1. The method of producing cyclohexane substantially free from benzene from a hydrocarbon mixture substantially consisting of cyclohexane and benzene, which comprises subjecting said mixture to distillation and rectification of the vapors under substantially anhydrous conditions in the presence of isopropyl alcohol in an amount corresponding to at least 2 volumes of said alcohol to every 3 volumes of cyclohexane taken over as distillate and collecting the resulting distillate which contains cyclohexane substantially free from benzene separate from any distillate which contains more than 2% benzene, on the basis of its total hydrocarbon content, distilled from said mixture.

2,356,241
PREWELT LASTING MACHINE
Eric A. Holmgren, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 21, 1943, Serial No. 499,529
13 Claims. (Cl. 12—7)



1. In a machine for lasting uppers having outwardly extending sole-attaching flanges, lasting means, and sole-engaging means constructed and arranged to present a reentrant angle to the sole.

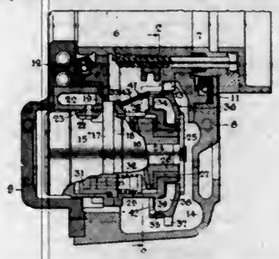
2,356,242
GAUGING APPARATUS
Herbert E. House, Kansas City, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application February 3, 1943, Serial No. 474,595
10 Claims. (Cl. 209—71)



1. A machine for processing flanged articles comprising imperforate article supporting means; reciprocable article inspection means at a station on said supporting means; means for feeding articles to said inspection station, said feeding means being adapted to extend over the flange of an article to hold an article of standard flange thickness substantially perpendicularly on said supporting means; means for detecting the thickness of said flange comprising a resilient member adapted to engage and exert a lateral force against all articles on said supporting means to tilt those articles having flanges of substandard thickness from a perpendicular position on said supporting means so as to be engaged by said reciprocable inspection means; and means responsive to the engagement of said inspection means with said tilted article to stop said feeding means.

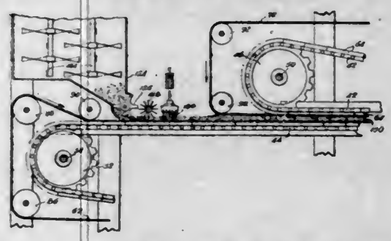
2,356,243
FEEDING DEVICE FOR PUMPS
Matthew W. Huber, Chicago, Ill., assignor, by mesne assignments, to The New York Air Brake Company, a corporation of New Jersey
Application November 12, 1942, Serial No. 465,362
10 Claims. (Cl. 103—5)

1. Means for delivering liquid centripetally from a confined annular bath of liquid which rotates about a primary axis at sufficient angular velocity to generate substantial centrifugal force, comprising in combination a pocketed carrier revolving about the primary axis and rotating about a secondary axis displaced radially therefrom; and a shroud coacting with said carrier to close the pockets therein and with respect to which the carrier rotates, said shroud having



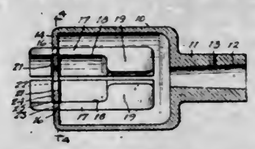
an inlet port submerged in the bath of liquid and communicating with successive pockets in the carrier and an outlet port nearer the primary axis and also communicating with successive pockets, said ports being so located that the centrifugal force generated by rotation about the primary axis urges liquid into the inlet port and out of the outlet port.

2,356,244
SHEET PRESSING MACHINE
Clarence P. Johnson, Auburndale, Mass.
Application February 23, 1942, Serial No. 431,965
2 Claims. (Cl. 92—39)



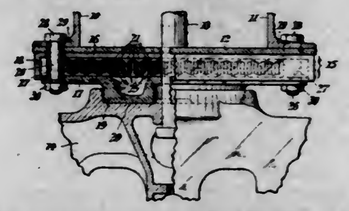
1. In a continuous sheet forming and pressing machine, a main frame, a lower sheet conveying member comprising a plurality of plates attached to a flexible chain, a horizontal track fixed to said frame for supporting the plates of said lower conveyer as they move through the machine from the feeding to the delivery end thereof whereby said plates form a flat table for supporting the sheet as it is fed through the machine, a frame mounted for vertical movement with respect to said main frame, the mounting for said movable frame comprising a plurality of vertical posts at spaced points throughout the length of said movable frame, adjustable means for raising and lowering said last named frame with respect to said main frame by turning said posts, an upper conveyer member carried by said second frame comprising a plurality of plates attached to a flexible chain, track means fixed to said second frame for guiding the movement of the plates of said upper conveyer as they move from the feeding to the delivery end of the machine, said track means being arranged to hold said plates against upward movement with respect to said second frame, said track means being inclined with respect to said horizontal track of the lower conveyer whereby the plates of the upper conveyer form a flat surface opposite to the flat surface formed by the lower plates to confine the sheet therebetween and whereby the sheet is subjected to gradually increasing pressure as the sheet travels towards the delivery end of the machine.

2,356,245
CENTRIFUGAL CHUCK
James L. Johnston, Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application May 26, 1943, Serial No. 488,544
10 Claims. (Cl. 279—9)



1. In a centrifugal chuck, a chuck body having an internal space therein and an inwardly extending flange at its forward end surrounding a central aperture, a plurality of chuck jaw members pivotally supported within said aperture upon said flange, and each including a work engaging jaw portion disposed at one side of the pivot axis and an overbalance weight portion disposed at the other side of the pivot axis, said weight portion being arranged for outward swinging movement within said internal space of said chuck body under centrifugal force.

2,356,246
CUSHIONING DEVICE FOR CAR TRUCK CENTER BEARINGS
Lloyd B. Jones, Hollidaysburg, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application September 27, 1941, Serial No. 412,615, now Patent No. 2,322,642, dated June 22, 1943. Divided and this application March 4, 1943, Serial No. 477,947
5 Claims. (Cl. 267—63)



1. Cushioning means for interposition between the body of a railway car and a truck including a flat housing casing with a hollow rectangularly recessed component, and a relatively movable cover component slidably fitting into the hollow component; two horizontal groups of reversely arranged pressure elements of rigid material with roughened vertical side faces and with lateral ledges respectively at the tops and bottoms of the said side faces and backed respectively by the two housing components; resilient smooth-surfaced plain-section elements of rubber or the like disposed between the roughened side surfaces of contiguous pressure elements of the two groups, with their upper and lower edges overlapped respectively by and engaging the ledges

of the contiguous pressure components and normally contacting laterally with the high spots only of said roughened surfaces, whereby incident to movement of the two groups toward each other under load, the resilient elements are compressed and through lateral expansion thereof gripped by the opposing roughened surfaces of said pressure elements and placed in shear; and means for securing the housing to the center sill of the car.

2,356,247

PROCESS FOR PRODUCING UNSATURATED DERIVATIVES OF ALPHA-HYDROXYISOBUTYRIC ACID ESTERS

Philip M. Kirk, Stamford, and Paul P. McClellan, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 12, 1941, Serial No. 388,264

8 Claims. (Cl. 260—486)

1. A process for producing methyl methacrylate which comprises pyrolyzing a mixture of acetic anhydride and methyl alpha-hydroxyisobutyrate in the presence of a phosphoric acid catalyst.

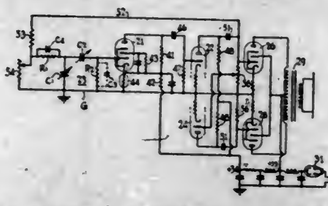
2,356,248

OSCILLATOR ARRANGEMENT

Heiman W. Koren, Bronx, N. Y., assignor to Sonotone Corporation, Elmsford, N. Y., a corporation of New York

Application May 31, 1941, Serial No. 395,927

24 Claims. (Cl. 250—36)



1. In a control arrangement for a frequency discriminating circuit, including at least two frequency discriminating variable impedance units each of which has a movable impedance control element and is designed for selective operation as part of said circuit: control means for increasing the range over which the characteristic frequency of said frequency discriminating circuit is continuously variable, comprising a control member movable over a predetermined range to establish a driving connection with one control element for moving it over its range when the control member is moved over one part of its range, and to establish a driving connection with the other control element for moving it over its range when the control member is moved over another part of its range so as to vary the impedance of one variable impedance unit while the control member is moved over one part of its range and to vary the impedance of the other variable impedance unit while the control member is moved over the other part of its range; said variable impedance units and the cooperating parts of said control member and said control elements being so designed and correlated that both of said control elements are actuated to conjointly move while said control member is moved over a limited intermediate transition part of its range and that in one position of said control member along the transition part of its range the impedance of said two variable impedance units has values which give said frequency discriminating circuit substantially the same frequency characteristic; said control means including locking means operative to maintain the control element of one of said impedance units locked and prevent the variation of its impedance when said control member moves over a part of its range for varying the impedance of the other variable impedance unit.

2,356,249

METHOD OF MAKING BELTS

Edward H. Kremer and Harry W. Kenney, Dayton, Ohio, assignors to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio

Original application April 12, 1941, Serial No. 388,208. Divided and this application September 15, 1941, Serial No. 410,820

6 Claims. (Cl. 154—4)



1. The method of making a belt which comprises: wrapping a plurality of layers of rubber composition on a mandrel to provide a cylindrical belt body of the desired thickness, said belt body including a cord layer wound circumferentially of said belt body and embedded therein; cutting said cylindrical belt body to form an endless belt of the desired cross-sectional shape; removing the cord strands adjacent the side walls of the cut belt; filling the cavities left by the removal of said cord strands with rubber composition; and molding the belt body to provide a unitary vulcanized rubber belt of the desired shape.

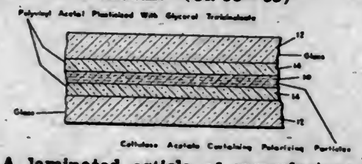
2,356,250

ADHESIVE

Edwin H. Land, Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware

Application December 4, 1937, Serial No. 178,153

8 Claims. (Cl. 88—65)



1. A laminated article of manufacture comprising a substantially rigid light-transmitting sheet and a sheet comprising cellulose acetate cemented together by a thin film of a mixture of a polymerized incomplete polyvinyl acetal resin and glycerol triricinoleate.

2,356,251

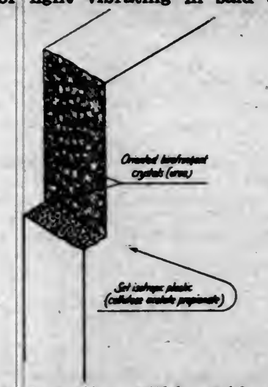
PROCESS OF MANUFACTURING LIGHT-POLARIZING MATERIAL

Edwin H. Land, Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware

Original application June 2, 1936, Serial No. 83,040. Divided and this application December 10, 1937, Serial No. 179,113

6 Claims. (Cl. 18—47.5)

1. The process comprising forming a mixture of a solution of soluble birefringent crystalline material and a solution of a plasticized transparent plastic which when hard has an index of refraction for light vibrating in a predetermined direction coinciding substantially with the index of refraction of oriented crystals of said crystalline material for light vibrating in said direction,



causing the formation within said plastic of crystals of said material by evaporation of the solvent for said material, hardening said plastic, and substantially orienting the said crystals within the said plastic by subjecting the plastic to a field of force to which the crystals are responsive.

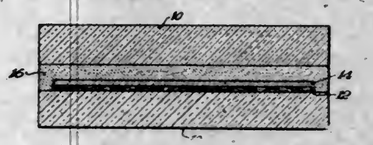
2,356,252

SHATTERPROOF LAMINATION AND METHOD OF MANUFACTURE

Edwin H. Land, Boston, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware

Application December 28, 1938, Serial No. 248,027

12 Claims. (Cl. 88—65)



1. In combination, a transparent, rigid support, a polarizing film affixed thereto, a transparent barrier film affixed to the opposite face of said polarizing film, and a relatively heavy adhesive layer affixed to and positioned intermediate said barrier layer and a second transparent, rigid support, said polarizing film adhering directly and permanently to said first-mentioned rigid support, all of the elements of said combination being permanently bonded together to provide a substantially shatterproof structure.

2,356,253

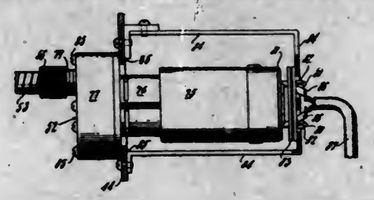
ELECTRIC MOTOR CONTROL UNIT

William P. Lear, Piqua, Ohio, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio, a corporation of Illinois

Original application December 28, 1940, Serial No. 372,059. Divided and this application September 9, 1942, Serial No. 457,693

7 Claims. (Cl. 172—36)

1. An electric motor control unit comprising a body for the motor containing the field windings thereof, an armature rotatably supported within said body in cooperative relation with said field windings, prongs projecting from said motor body, said prongs being electrically connected to said field windings and armature in a predetermined relation, and a socket containing individ-



ual conducting spring elements for removably engaging said prongs to mechanically support the motor control unit and properly connect it to a control circuit.

2,356,254

PROCESS FOR PREVENTING AND/OR REMOVING ACCUMULATION OF SOLID MATTER IN OIL WELLS, PIPELINES, AND FLOW LINES

Sears Lehmann, Jr., University City, and Charles M. Blair, Jr., Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application October 21, 1942, Serial No. 462,885

5 Claims. (Cl. 252—8.55)

1. In the process of preventing and/or removing accumulation of solid matter in oil wells, pipelines, and flow lines, the step of subjecting surfaces consisting of or containing such objectionable material to the action of a transparent emulsion of predetermined composition, consisting of (*a*) at least 15% and not over 90%, by weight, of an aqueous polar component whose polarity is at least equal to that of water; (*b*) at least 5% and not more than 75%, by weight, of a non-polar solvent having a solvent capacity for medium melting point paraffin wax which is at least one-third that of carbon tetrachloride under comparable conditions at normal temperatures; (*c*) at least 2% and not more than 20% of a water-soluble wetting agent; and (*d*) at least 2% and not more than 30%, by weight, of an organic semi-polar common solvent of a dielectric constant in excess of 6 and not over 26, the hydrophobic radical of said solvent containing from 2 to 12 carbon atoms with the proviso that the longest carbon atom chain in said hydrophobic radical shall be less than 8 carbon atoms and that in such carbon atom chain length determination, cyclic carbon atoms shall be counted as one-half, and with the added proviso that the addition of a semi-polar common solvent within the limits indicated to the three prior constituents, shall be at least sufficient to render all components mutually soluble.

2,356,255

CLAMSHELL BUCKET

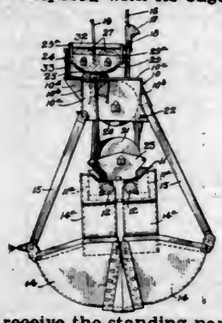
Eric H. Lichtenberg, Milwaukee, Wis., assignor to The C. S. Johnson Company, Champaign, Ill., a corporation of Illinois

Application June 19, 1943, Serial No. 491,436

2 Claims. (Cl. 37—186)

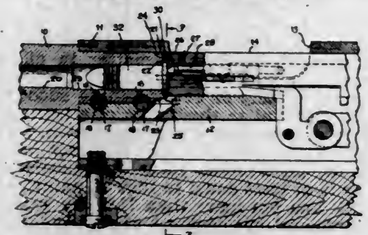
1. In a clamshell bucket, the combination with a bucket head and a hinge head having closing sheaves attached thereto and movable toward each other as a closing line reeved over the sheaves is tensioned, of a fair-lead swiveled on the bucket head for movement about an axis aligned with the standing part of the closing line

leaving said sheaves, said fair-lead including a guide sheave disposed with its edge aligned with



said axis to receive the standing part of the closing line, and a guard structure on the bucket head protectively surrounding said fair-lead.

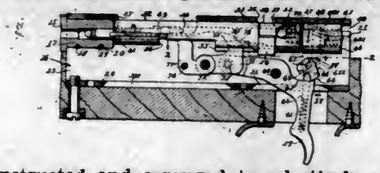
2,356,256
FIREARM
Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application May 16, 1942, Serial No. 443,272
4 Claims. (Cl. 42—16)



1. In a bolt-action firearm for rimfire cartridges, the combination comprising a receiver, a breech bolt reciprocably mounted in said receiver and a chambered barrel secured in said receiver, said barrel comprising an end portion of exteriorly reduced diameter adjacent the chamber mouth adapted with said receiver to form an annulus the upper half of which is closed from the atmosphere by said bolt when in chamber-closing position, said receiver having a port opening into the lower half of said annulus and constructed and arranged to exhaust gases therefrom, and a counterbore in the chamber mouth comprising a curvilinear shoulder for seating the cartridge rim when the bolt is in chamber-closing position.

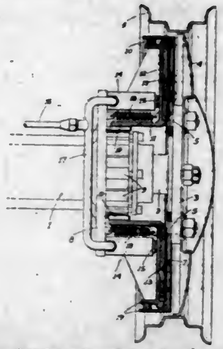
2,356,257
FIREARM
Kenneth J. Lowe, Ilion, N. Y., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application November 28, 1939, Serial No. 306,457
5 Claims. (Cl. 42—17)

1. A firearm assembly comprising a chambered barrel, a unitary tubular receiver secured to said barrel and comprising an upper arcuate bolt receiving portion and an integral communicating depending portion, a bolt housed in said arcuate portion and adapted to engage and move cartridges one at a time into said chamber, a fire control mechanism supported and partially housed in the rear part of said depending portion and cooperating with said bolt, said depending portion of said tubular receiver being open at its forward end, the lower wall of said forward end serving as a bridge portion, said lower wall having an opening rearward of said bridge, said forward depending portion and barrel being



constructed and arranged to selectively receive and support in permanently integrated operative relationship to the other parts of said assembly any one only of a plurality of differently constructed and functioning cartridge feeding devices.

2,356,258
MOTOR VEHICLE BRAKE
Philip Martin, Victorville, Calif.
Application July 22, 1942, Serial No. 451,817
1 Claim. (Cl. 188—71)



A motor vehicle wheel brake unit comprising, with a radial wheel-hub flange and a fixed member from which the hub turnably projects, a brake disc fixed on said flange concentric with the hub, the adjacent end portion of said member having splines, a cooperating disc slidably mounted on said splines, hydraulic cylinders arranged in circumferentially spaced relation about the cooperating disc and projecting back from said disc parallel to the axis thereof, an element on said member beyond the splined portion thereof and from which the cylinders are supported at their laterally inward end, and plungers projecting from the opposite end of the cylinders and engaging the back of the cooperating disc; said plungers being rounded on their outer ends, and said ends engaging said cooperating disc in free relation.

2,356,259
METHODS AND MEANS FOR STORING AND CONCENTRATING ANHYDROUS HYDROGEN CHLORIDE
Aylmer H. Maude and David S. Rosenberg, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
No Drawing. Application December 18, 1941, Serial No. 423,444
6 Claims. (Cl. 252—299)

1. The method of preparing material suitable for use in storing or concentrating anhydrous hydrogen chloride without being materially affected by such use over a relatively prolonged period which comprises impregnating infusorial earth with a salt of the group consisting of copper sulphate, lead sulphate and stannous sulphate, by alternately boiling the infusorial earth with an aqueous solution of the salt and drying the resulting material, until the material has taken up substantially the maximum quantity of the salt that it is capable of holding on the surface and in the interstices of its particles, and dehydrating the resulting material below the decomposition temperature of the salt.

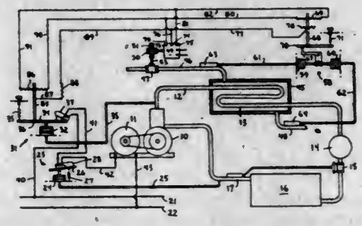
2,356,260
EXERCISING DEVICE
William H. Maxwell, Newport Beach, Calif.
Application September 2, 1941, Serial No. 409,222
14 Claims. (Cl. 272—83)



11. In an exercising device, a mounting means, a pair of bars, and means for supporting the bars on the mounting means comprising carriers supported on the mounting means for movement about spaced horizontal axes, and means for supporting the bars on the carriers for movement about axes substantially intersecting the axes of movement of the carriers.

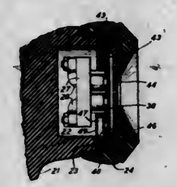
2,356,261
REFRIGERATION
William L. McGrath, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Original application June 25, 1938, Serial No. 215,796. Divided and this application March 25, 1942, Serial No. 436,064
6 Claims. (Cl. 62—3)

1. In a refrigeration system including a compressor, a condenser, and an evaporator, means for circulating a cooling medium through said condenser, a valve in control of the flow of cooling medium through said condenser, an electric motor controlling the position of said valve, circuit controlling means controlling the operation of said motor, means responsive to the temperature differential at the inlet and outlet of said condenser in control of said circuit controlling means, and means responsive to the pressure on the high pressure side of the compressor for varying the effect of said circuit controlling means on the motor in such manner that a lower differential in temperature at the inlet



and outlet of the condenser is maintained as the pressure on the high pressure side of the compressor increases.

2,356,262
ACOUSTIC DEVICE
Edward E. Mott, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 350,741
9 Claims. (Cl. 179—180)

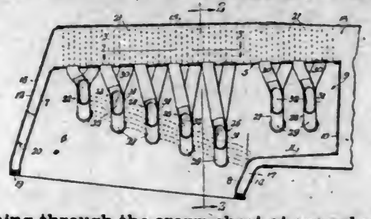


1. In a sound translating device, a moving system comprising a vibratory diaphragm and having a predetermined response characteristic over an operating frequency range when arranged for substantially free vibration, means defining a first chamber adjacent the inner side of said diaphragm having a passage communicating therewith, the dimensions of said passage being so proportioned that said first chamber acts substantially entirely as a damping chamber effective substantially to decrease the response of said moving system at frequencies within a band of frequencies extending toward the low frequency end of said range, and means defining a second chamber adjacent the outer side of said diaphragm having a passage communicating therewith, the dimensions of said last-mentioned passage being so proportioned that said second chamber acts substantially entirely as a resonating chamber effective substantially to increase the response of said moving system at frequencies within a band of frequencies extending toward the high frequency and of said range.

2,356,263
LOCOMOTIVE BOILER FIREBOX
Arthur W. Nelson, Park Ridge, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application September 26, 1942, Serial No. 459,771
12 Claims. (Cl. 122—68)

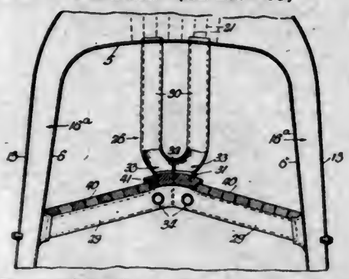
1. In combination with a locomotive boiler firebox including a crown sheet and side sheets, a water steaming and circulating element in the firebox and embodying therein at least one lower inlet portion connected to one of said side

sheets and a plurality of upper outlet portions operatively connected to said inlet portion, and



opening through the crown sheet at spaced points arranged along a line extending diagonally of the crown sheet.

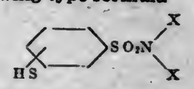
2,356,264
LOCOMOTIVE BOILER FIREBOX
Arthur W. Nelson, Park Ridge, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application September 26, 1942, Serial No. 459,772
9 Claims. (Cl. 122—68)



1. In combination with a locomotive boiler firebox embodying therein a crown sheet and side sheets, a plurality of longitudinally spaced water steaming and circulating members in the firebox, each member comprising a lower portion that extends transversely of the firebox and has its ends opening through the side sheets and an upper portion connecting said lower portion with the water space of the boiler above the crown sheet, bricks supported upon the lower portion of said members to provide a fire arch in the firebox, and means arranged below and in non-supporting relation with respect to said arch and extending longitudinally of the firebox, for providing a water communication between adjacent members and connecting them so they constitute a unitary water circulating and steaming device.

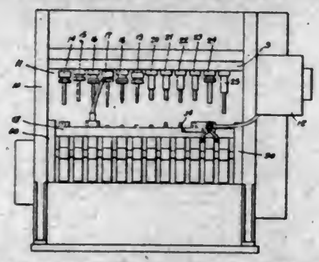
2,356,265
4-MERCAPTOBENZENESULPHONAMIDE
Elmore H. Northey, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 5, 1942, Serial No. 453,723
5 Claims. (Cl. 260—556)

1. A mercaptobenzenesulphonamide represented by the following type formula



in which X represent members selected from the group consisting of hydrogen and the alkali metals.

2,356,266
MACHINE CONTROL MEANS
Charles B. Ogilvie, North Kansas City, Wesley E. Nickell, Lee's Summit, and Luster E. Colley, Buckner, Mo., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application October 28, 1942, Serial No. 463,706
9 Claims. (Cl. 86—23)



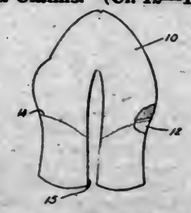
1. In an ammunition component assembly machine having an operating station; driving means for the machine; transfer means having component positioning means thereon for moving and positioning components to and from said station; a source of light on one side of said transfer means and a photocell on the opposite side of said transfer means; a shutter carried by said transfer means arranged to allow passage of light from the light source to the photocell only when a component positioning means is aligned with said light source, photocell and operating station; and connections between said photocell and the driving means to stop the machine in the absence of an ammunition component at the operating station.

2,356,267
ACTIVATED GAUGE GLASS REFRACTOR
Rudolph J. Pelunis, Los Angeles, Calif.
Application June 6, 1942, Serial No. 446,097
5 Claims. (Cl. 250—72)



1. A gauge glass illuminating device including the combination of a gauge glass, a strip of fluorescent material and a strip of phosphorescent material mounted adjacent the gauge glass, and an ultraviolet light arranged to project its rays through said gauge glass onto said strips.

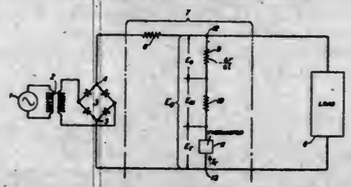
2,356,268
SHOEMAKING
Paul A. Phillips, Haverhill, Mass.
Application February 25, 1942, Serial No. 432,298
2 Claims. (Cl. 12—146)



1. The process of shoemaking which includes the steps of preparing vamp and lining blanks,

uniting the two blanks by a transverse line of stitching defining the counter portions of the vamp and thereby positively and accurately fixing the blanks in the exact relationship they are to occupy in the finished shoe, cementing the blanks together forwardly of the said line of stitching, simultaneously dieing out the throat portion of the united blanks and thus accurately aligning with each other the raw edges of both the vamp and lining blanks, closing the lined vamp, thereby making its top raw edge into a closed endless band, then enclosing said raw edge by a binding folded over the inner surface of the lining, and finally zig-zag stitching through the binding.

2,356,269
VOLTAGE REGULATED RECTIFYING SYSTEM
James A. Potter, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 4, 1942, Serial No. 457,258
10 Claims. (Cl. 175—363)



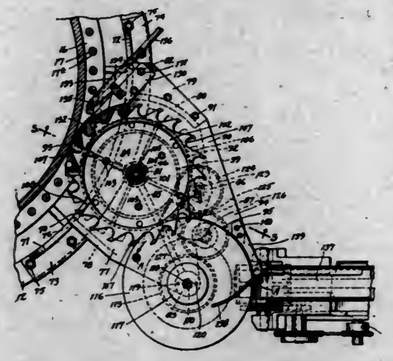
5. A regulating network comprising two input terminals for connection to a source of alternating current, two output terminals for connection to a load, a series resistance element connected between one input terminal and one output terminal, two resistors, one of which has one terminal connected to the input terminal of the series resistance element and the second terminal connected to a stationary contact point, the other resistor of which has one terminal connected to the output terminal of the series resistance element and a second terminal connected to a second stationary contact point and a shunt path having one end connected to the input terminal and the output terminal remote from the series resistance element, the shunt path including in series arrangement a thermistor, the winding of an electromagnetic relay and the armature of the electromagnetic relay, said armature being positioned to make contact alternately with the two stationary contact points.

2,356,270
WINDOW OPERATOR
Samuel C. Reynaud, Detroit, Mich., assignor to Detroit Steel Products Company, Detroit, Mich., a corporation of Michigan
Application December 26, 1941, Serial No. 424,497
3 Claims. (Cl. 268—117)



1. A window operator comprising a support having a plate provided with a locking recess, an arm movably mounted on said support and having a projection, a handle operatively connected to said arm to swing the same, said handle having a grip and an attachment portion, said attachment portion being channel-shaped and having a web at one side of said projection, side flanges extending over and engageable with the edges of said projection, and inturned flanges extending from said side flanges at the side of said projection opposite said web, said web and inturned flanges being engageable with said projection and being spaced apart a distance greater than the thickness of said projection to provide for limited movement of said handle upon said projection transversely of said plate, means engaging said web and projection for holding said handle from disengagement from said arm, said holding means providing for movement of said handle transversely of said plate, and a locking dog upon and movable with said attachment portion for engaging one of the recesses.

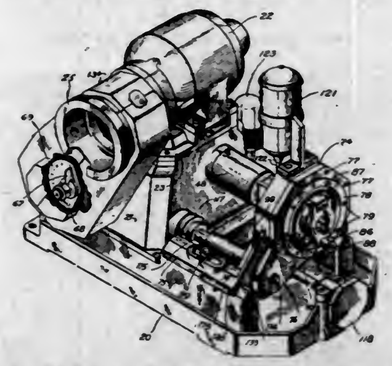
2,356,271
MOLDED ARTICLE TRANSFER MECHANISM
Warren S. Reynolds, Stratford, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application June 4, 1940, Serial No. 338,676
2 Claims. (Cl. 198—22)



1. In a transfer apparatus for removing relatively soft molded articles from a molding machine; a supporting frame; a rotary transfer member mounted in said frame for rotation in a horizontal plane, said transfer member having an annular series of spaced article receiving pockets opening outwardly at its periphery and having their axes inclined in the direction of rotation of said transfer member, said axes being inclined sufficiently and said pockets being sufficiently deep so as to engage an article and transfer the same from said molding machine without assistance; a fixed plate member mounted on said frame having an article supporting portion concentric to said transfer member and extending beneath said pockets from a point within the molding machine to a point outwardly spaced therefrom and adapted to form an article supporting bottom for said pockets, said transfer member being adapted to receive and positively remove articles from said molding machine; and a rotatable circular pick-up member supported in said frame for rotation in a horizontal plane having its upper surface flush with the upper surface of said plate member and having an annular marginal portion extending beneath said pockets at a point adjacent said fixed plate member to form a movable article supporting surface in continuation of said fixed plate member, said annular marginal portion being arranged to move in a path substantially tangential to the inclined axes of said pockets at the point of removal of the ar-

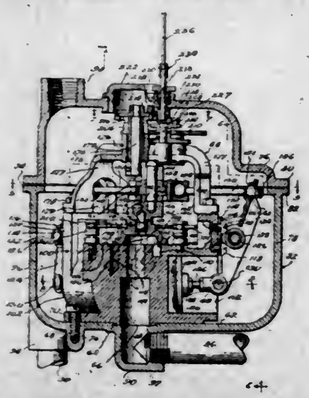
ticle from said pockets by said pick-up member, said pick-up member being driven at a greater speed than the speed of the annular series of pockets of said transfer member so as to pull articles out of said pockets.

2,356,272
HONING MACHINE
Warren S. Reynolds, Stratford, and John R. Turner, Milford, Conn., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application April 28, 1943, Serial No. 484,796
8 Claims. (Cl. 51—67)



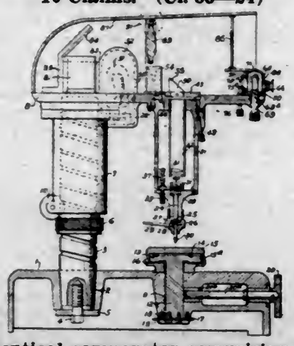
1. In a honing machine; a reciprocable hone actuator; a hone support pivotally connected to said actuator; a hone mounted on said hone support; a work holder; a rotating drive shaft; a rotatable support eccentrically mounted in said drive shaft; adjusting means for rotating said support to predetermined positions; a crank pin eccentrically mounted on said rotatable support; connecting means between said actuator and crank pin; and means connected to said drive means to indexably rotate said work support.

2,356,273
LIQUID METER
Ross Eugene Risser, Jr., Bonham, Tex.
Application June 26, 1940, Serial No. 342,449
11 Claims. (Cl. 73—247)



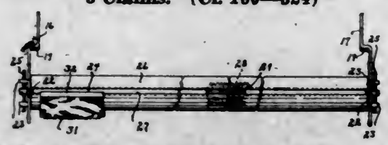
1. In a gasoline dispensing system, a housing forming a chamber, said chamber having inlet and outlet openings, a gasoline meter disposed in the housing and removably secured thereto, means connecting the outlet side of said meter directly to said outlet opening, said meter having a plurality of cylinders arranged with their center lines extending radially outwardly from a central position with the outward ends of said cylinders being open to the space within said housing.

2,356,274
OPTICAL COMPARATOR
Henry Roger, Sandy Hook, Conn., assignor to American Measuring Instruments Corporation, a corporation of New York
Application June 25, 1942, Serial No. 448,379
10 Claims. (Cl. 88—24)



1. An optical comparator comprising a tiltable mirror, means contacting the object to be compared for tilting said mirror, a graticule, means for projecting light onto said graticule, a screen, means for focusing an image of said graticule on said screen by rays of light proceeding from said graticule and reflected from said mirror, means operated from outside the comparator for directing light from said image into either of two paths, an eye piece in one of said paths whereby said image may be viewed by the operator, a second screen, and means in the other path for projecting an enlarged image of the first-mentioned image on said second screen.

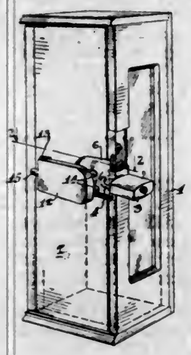
2,356,275
WINDOW SCREEN
William B. Rood, Des Moines, Iowa, assignor to Automatic Screen Corporation, Des Moines, Iowa
Application April 26, 1941, Serial No. 390,479
3 Claims. (Cl. 160—324)



3. In a roller construction, a bracket member having a slot opening, a rod having an end portion resting in said slot opening, ears on said bracket member and a pin member extending through the end of said rod and said ears.

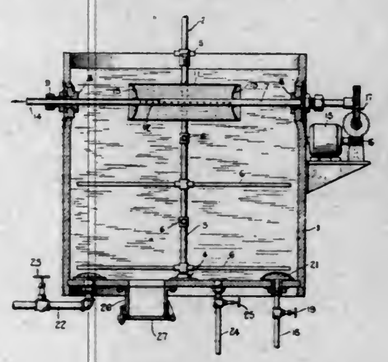
2,356,276
CABINET SEALING MEANS
William D. Rossiter, Sandusky, Ohio
Application May 12, 1943, Serial No. 486,645
13 Claims. (Cl. 70—465)

1. In a device of the class described, a door member having a breakable section forming an edge portion thereof with an opening therein with which a lock shackle may be engaged to retain



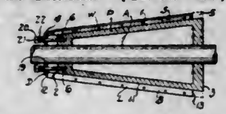
the door in closed position, and striker means movably carried by the door and operable to strike the section to effect a breaking thereof.

2,356,277
TREATMENT OF CELLULOSE ACETATE
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
Application October 25, 1940, Serial No. 362,748
2 Claims. (Cl. 260—230)



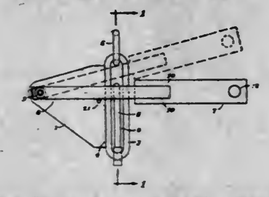
1. Process for the treatment of cellulose acetate in particle size formed by precipitation from an acetic acid solution thereof, which comprises charging the cellulose acetate particles into a vessel filled with water, continuously passing water through the cellulose acetate particles by admitting the water at the bottom of the vessel and withdrawing the water near the top of the vessel until substantially all of the acid is removed from the cellulose acetate particles, draining some of the water from the vessel, stabilizing the cellulose acetate, again adding water together with a mild alkaline neutralizing agent in an amount greater than .004% in excess of that necessary to neutralize all of the acid present, and then flowing water through the cellulose acetate particles until the drained water shows an alkalinity of .004% in excess of the alkalinity of the added water.

2,356,278
RELEASABLE PLUG JACKET
Fred C. Schueler, Andover, Mass., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts
Application June 22, 1939, Serial No. 280,559
10 Claims. (Cl. 92—27)



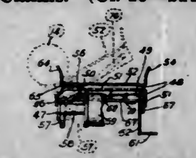
4. The combination with a frustro-conical Jordan engine plug; of a jacket so positioned that its small end is spaced from the small end of the plug and its large end is spaced from the large end of the plug; and an annular pressure plate which bears against the small end of the jacket and is adjustably attached to the small end of the plug.

2,356,279
PELICAN HOOK
Frank C. Simonds, Moylan, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 21, 1942, Serial No. 455,682
4 Claims. (Cl. 294—83)



1. A device for supporting and releasing loads, comprising a triangular body member, an elongated aperture adjacent one edge of said body member, an L-shaped hook pivoted at the lower end of said aperture and rotatable in a plane perpendicular to said body member, a link associated with the upper end of said aperture for suspending said body member, a lever having a forked arm pivoted adjacent the edge of said body member opposite the elongated aperture of said body member, the forked arm of said lever encompassing said body member and adapted to maintain the free end of said L-shaped hook within said elongated aperture, means associated with said lever for displacing said lever in the plane of said body member to release the end of said hook, and a stop affixed to said body member to prevent the forked arm of said lever from binding upon said L-shaped hook.

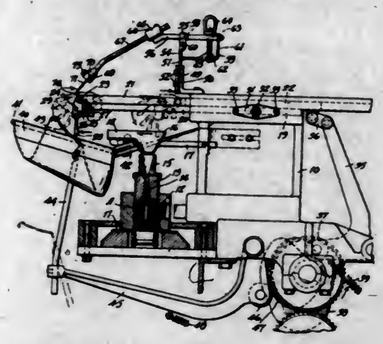
2,356,280
LOAD CATAPULTING TOY RAILWAY CAR
Richard G. Smith, Amsterdam, N. Y.
Original application August 21, 1942, Serial No. 407,769. Divided and this application March 20, 1943, Serial No. 479,340
15 Claims. (Cl. 46—214)



1. A toy railway freight car for dumping toy loads, embodying in combination with a car

chassis including a base presenting a bed surface and a raised platform fixed on and shorter than said base thereby to expose a portion of said bed surface adjacent the end of said platform, a tiltable table of greater length than said platform and shorter than said base having a rocker portion rollably resting on said bed surface, and crank means pivotally mounted on said chassis pivotally engaged with said table in a manner to cause the latter to rock upon said base when said crank means swings relative to said chassis.

2,356,281
PROJECTILE LOADING
Forrest W. Snodgrass, Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application February 15, 1944, Serial No. 522,421
5 Claims. (Cl. 86—31)



1. In a wiper mechanism for removing surplus material from a horizontally movable material conveying receptacle, a support, a substantially horizontally disposed bar member pivotally supported thereby, a bearing sleeve secured to the forward end of said bar member disposed at a downwardly and forwardly inclined angle thereto, a wiper carrying arm engaged in said bearing sleeve for longitudinal and rotary adjustment therein, and including a clamping head disposed at a downwardly and forwardly inclined angle to the axis of said arm, and a wiper plate removably secured in said clamping head adapted to engage the upper surface of said receptacle to remove surplus material therefrom upon relative horizontal movement of said receptacle beneath said wiper plate.

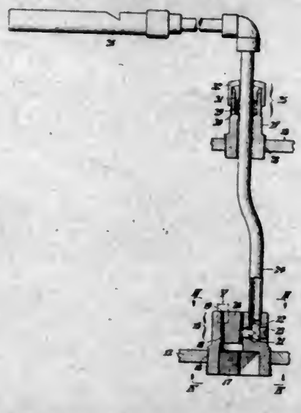
2,356,282
PROCESS OF STABILIZATION OF POLYVINYL ALCOHOL
Geiu Stoeff Stamatoff, Rutherford, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 15, 1941, Serial No. 419,319
6 Claims. (Cl. 260—90)

1. Process of stabilization of polyvinyl alcohol which comprises treating said polyvinyl alcohol in the form of discrete particles, with a bath essentially comprising a lower aliphatic saturated monohydric alcohol and not in excess of 60%, by weight of said bath, of water, separating said polyvinyl alcohol from said bath while the latter contains at least 65% of said lower aliphatic alcohol, and drying said polyvinyl alcohol, the alkalinity of said bath being such that the resulting dried polyvinyl alcohol has an alkalinity between (A) as determined by the formula—

$$\text{Log } A = 2.48 - 0.008\,W$$

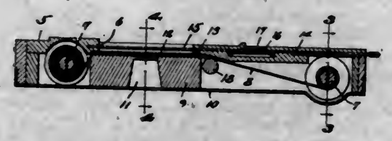
wherein W is the percent by weight of water in the bath, and 75, and the alkalinity of said bath being produced by hydroxyl ions resulting from solution therein of an alkaline substance selected from the hydroxides of sodium and potassium and their salts with weak acids.

2,356,283
LOW-WATER ALARM FOR BOILERS
Carleton K. Steins, Merion, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 29, 1943, Serial No. 489,081
2 Claims. (Cl. 122—504.2)



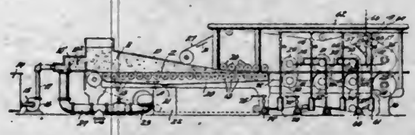
2. In a low water alarm for boilers, a closure member removably engageable in an opening in the crown sheet of a boiler, said member having a vertical through bore sealed with material which fuses at a temperature somewhat above that corresponding to the boiler pressure, and a passage leading first laterally in said member from the bore and then upwardly adjacent said bore; a communicating tube extending from the vertical portion of said passage through the water jacket and through the outer shell of the boiler; and a steam-operable signal device connected with the outer end of said tube.

2,356,284
PHOTOGRAPHIC ROLL FILM ADAPTER FOR PLATE AND FILM PACK CAMERAS
James F. Stockdale, Sandusky, Ohio
Application June 5, 1941, Serial No. 396,780
1 Claim. (Cl. 95—31)



A roll film adapter for positioning in a film pack camera, comprising a body having an exposure opening, a cover for the body, a table secured to the cover and having an opening adapted to register with the exposure opening, and over which a film strip moves, said table extending to a point in proximity to the front wall of the body, spaced flanges disposed in spaced relation with the table and extending inwardly over the upper surface of the table, means for supporting a spool on which a film is wound, adjacent to one end of the table, means for supporting a spool within the body, adjacent to one end of the body and from which the film is unwound, a lug on one of said flanges adapted to extend into an opening of said film strip restricting movement of the film strip, and a film guide roller disposed between the latter spool and one edge of said table, and over which the film is guided to the table.

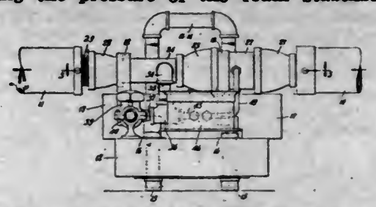
2,356,285
APPARATUS FOR WASHING PULP
Edward T. Street, Downingtown, Pa., assignor to Downingtown Manufacturing Company, Downingtown, Pa., a corporation of Pennsylvania
Application May 19, 1938, Serial No. 208,929
3 Claims. (Cl. 68—22)



1. Pulp washing apparatus comprising in combination, an elongated foraminous belt, stationary means above the belt for continuously depositing fiber thereon at a uniform rate, mechanism for advancing the belt at uniform speed past said means so that a continuous fibrous board, homogeneous and uniform in thickness, is in constant course of formation on said belt, a second foraminous belt positioned above the first, a connection between said mechanism and said second belt whereby said second belt is driven at the same linear velocity as the first belt, means constraining said belts to move along predetermined paths, causing them first to gradually approach each other to place the newly formed board under light but gradually increasing pressure and to thereafter closely confine the board during its travel to a point of discharge, where the belts again separate, said means including cooperating lower and upper pressure rollers engaging the respective belts and coacting to subject the previously lightly compacted board to heavy pressure as it advances to remove therefrom the greater portion of its contained liquid, and means to continuously wash the board after such compression, said last mentioned means including a box having an open bottom for maintaining a substantial body of wash water continuously in full contact with a large area of the upper foraminous belt.

2,356,286
METHOD OF AND APPARATUS FOR PROPORTIONING LIQUIDS
Lewis G. Morris Timpson, Plainfield, N. J., assignor to Pyrene-Minimax Corporation, Newark, N. J., a corporation of Delaware
Application September 15, 1942, Serial No. 458,437
13 Claims. (Cl. 299—83)

1. A method of introducing a predetermined proportion of foam stabilizer under variable pressure into a flowing stream of water under pressure which comprises causing the water to flow at greatly increased velocity through a limited space, introducing foam stabilizer under pressure into the water within said limited space, and adjusting the pressure of the foam stabilizer to

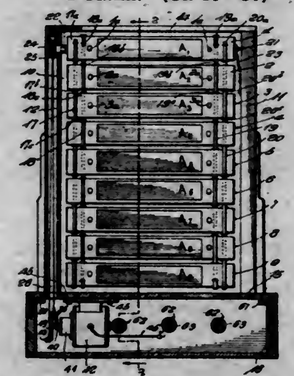


maintain the same substantially equal to that of the water in advance of said limited space.

2,356,287
OLIVE PROCESSING
Edward Van Dellen and Richard N. Ball, Visalia, Calif.
No Drawing. Application May 8, 1942, Serial No. 442,213
2 Claims. (Cl. 99—103)

1. In the processing of ripe olives, the steps of treating the olives to a preliminary fermentation period in salt brine, then subjecting the olives to successive treatments of alkaline solution alternated with air exposure, and adding manganese salts in a proportion of substantially a pound for a thousand gallons of olives to one of the steps of the treatment.

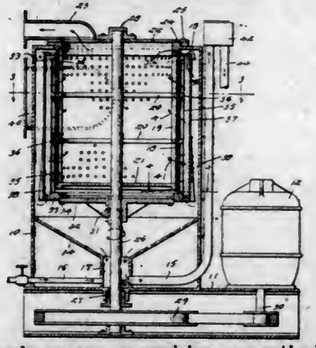
2,356,288
ANIMATED EXHIBITOR
Alvin E. Walbridge, Easton, Md., assignor to The Magic Duplex Sign Company, Easton, Md., a corporation of Maryland
Application April 1, 1941, Serial No. 386,354
1 Claim. (Cl. 40—30)



Driving mechanism for animated exhibitors consisting of a multiplicity of reversible display elements, a rotatably driven motor, a rotatably journaled pulley connected with one of the reversible elements of the exhibitor, said pulley having a cylindrical cable wrapping portion a cable having an intermediate portion secured to said pulley and wrapped a plurality of times around the cylindrical cable wrapping portion of said pulley and terminating in a pair of end portions, a crank member operated by said driving mechanism, said crank member including a pair of spaced parallel arms, one of said arms extending radially with respect to said mechanism and the other of said arms extending diametrically with respect to said mechanism, and swivel means

interconnecting the ends of each of said arms with the end portions of said cable for allowing angular flexing of said cable while said cable is wrapping upon or unwrapping from the cylindrical cable wrapping portion of said pulley for effecting rotative movement of said pulley first in a clockwise and next in a counterclockwise direction under conditions of continuous rotation of said driving mechanism.

2,356,289
PULP SCREEN
Harold Donald Wells, Glens Falls, N. Y.
Application February 17, 1942, Serial No. 431,312
2 Claims. (Cl. 68—55)



1. A pulp screen comprising, a vertically disposed casing, a stationary cylindrical screen in the casing closed at the top and at the bottom, a tape communicating with a side of the casing for conducting material into the casing, a pipe communicating with the top of the screen for conducting material from the screen, an impeller disposed concentric with the screen having vertical vanes of predetermined pitch disposed exteriorly of the screen, a separating basket surrounding and spaced slightly from the impeller having vertical vanes extending radially toward the casing, the lower and upper ends of the annular space between the impeller and the centrifugal separating basket being open, and means for rotating the impeller and separating basket as a unit.

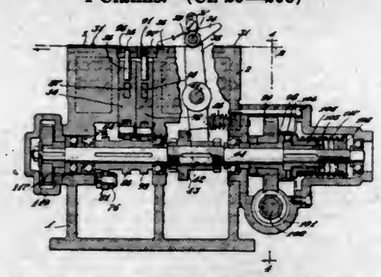
2,356,290
COMPOSITION AND PROCESS
Adolph F. Wendler, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1940, Serial No. 340,782
12 Claims. (Cl. 154—40)

1. A method of securing adhesion between sheets, the surfaces of which are of substantially identical compositions and are composed of an organic solvent soluble material which comprises applying to at least one of said surfaces an amide of the formula:

$$R-\underset{\displaystyle Z}{\overset{\displaystyle |}{C}}-N-Y$$

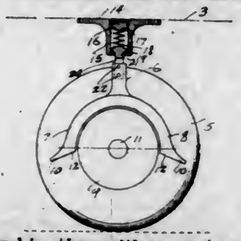
in which R and Y represent a radical from the group consisting of hydrogen and aliphatic type radicals, Z represents an aliphatic radical, and Y and Z may represent terminal carbon atoms of a single aliphatic type radical, said amide being soluble in water to the extent of 5% at 20° C., and pressing the surfaces of said sheets together for immediate drying and bonding of the sheets.

2,356,291
BELT-PINNING MACHINE
Lloyed E. Whittaker, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application August 19, 1942, Serial No. 455,306
4 Claims. (Cl. 29—208)



1. A machine for inserting pins in a belt having a series of pin openings comprising feed means for intermittently feeding the belt along a predetermined path, register means including a pilot fitting said openings for accurately positioning the belt between the intermittent feed steps, and insert means aligning with one of said openings when the belt is positioned as aforesaid for inserting a pin in the opening, said register means being offset lengthwise of said path in advance of said insert means a distance equal to a multiple of the pitch of said openings.

2,356,292
TIRE PROTECTOR DEVICE
Jack H. Wildman, San Francisco, Calif.
Application September 21, 1942, Serial No. 459,163
2 Claims. (Cl. 280—158)

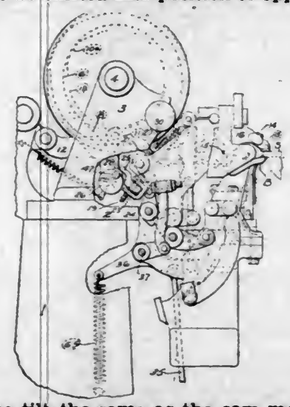


1. In combination with a motor vehicle body and the double wheels thereof, of a device positioned between the inner walls of a pair of tires mounted on the wheels of the vehicle body for protecting the tire walls against stones displaced from a road bed, a bracket secured to the vehicle and connected to said device, means for removably securing the device to said bracket, and resilient means carried by said bracket permitting vertical movement of said device relative to said bracket.

2,356,293
LEATHER STITCHER PRESSER FOOT CONTROL
Eugene G. Wolf, St. Louis, Mo., assignor to Landis Machine Company, St. Louis, Mo., a corporation of Missouri
Original application July 17, 1939, Serial No. 284,819, now Patent No. 2,273,080, dated February 17, 1942. Divided and this application October 4, 1941, Serial No. 413,583
10 Claims. (Cl. 112—61)

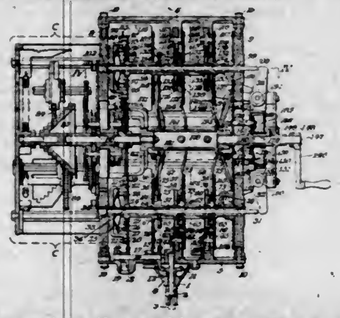
2. In a stitching machine, a presser foot, means for holding said presser foot against the work

including a thrust-transmitting rod, a nut threaded thereon, and a tiltable dog surrounding said nut and holding it against rotation when tilted, a cam, a member actuated thereby and including a portion movable towards and away from said dog, an element movably mounted on said member to be shifted into position to oppose said



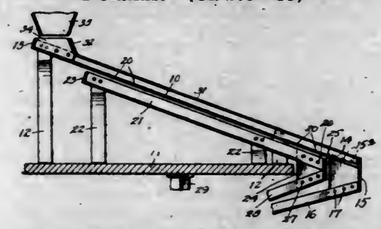
dog and to tilt the same as the cam moves said portion toward said dog, a spring thrusting said element into dog-opposing position, a part for moving said element out of said position against the thrust of said spring, and manually operable means for so moving said part and for then moving said presser foot away from the work.

2,356,294
COUNTER RESETTING MECHANISM
Joseph C. Woodford, Wayne, Pa., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware
Application March 6, 1941, Serial No. 381,989
6 Claims. (Cl. 235—144)



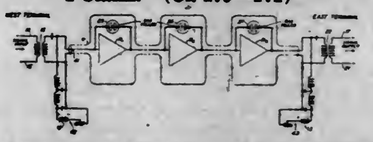
1. In counters, the combination with a counting mechanism provided with a resetting mechanism; of driving means for said counting mechanism; clutch mechanism between said driving means and counting mechanism for selectively connecting and disconnecting said driving means with and from said counting mechanisms; a rotatable resetting sleeve provided with pawl engaging notches; means for rotating said sleeve; a pawl operatively connected with each counting mechanism for effecting counter resetting operating connection between said resetting sleeve and counter mechanism; and means for holding said pawl out of operating connection with said notched resetting sleeve during operation of said counter and movable out of pawl upholding position during counter resetting operation.

2,356,295
ARTICLE CLASSIFYING DEVICE
Kenneth J. Yost, Westport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application May 7, 1942, Serial No. 442,042
4 Claims. (Cl. 209—85)



1. In a classifying device for classifying articles wherein certain of said articles are of elongated cylindrical form and are of greater weight at one end than the other, whereby their center of gravity is at a point closer to said weighted end than the unweighted end, and wherein others of said articles are of a diameter and length equal to or less than the diameter of said first mentioned articles, an inclined screen having a series of openings therein, said openings being smaller in diameter than the length of said first mentioned articles, whereby said first mentioned articles are adapted to pass over said openings and of greater diameter than the length and diameter of others of said articles to be classified, whereby said other articles pass through said openings, the diameter of said openings being also greater than the distance between the weighted end of said first mentioned articles and their center of gravity point, whereby the weighted end tends to tilt into said openings, and a cover arranged in spaced parallel relation to said screen, the spacing of said cover from said screen being slightly greater than the diameter of said articles, whereby said articles are adapted to pass freely between the screen and cover surfaces and said cover limits the tilting of said first mentioned articles to a point where they cannot pass through said openings, the walls of said openings being each provided with a bevelled surface disposed forwardly and adapted to guide the forward end of a tilted article on the screen surface.

2,356,296
PROTECTIVE SYSTEM
Manvel K. Zinn, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 9, 1942, Serial No. 457,737
1 Claim. (Cl. 179—171)



In a signaling system comprising an attended station and a plurality of unattended repeater stations geographically separated from said attended station and from each other and having a transmission line joining said attended station and said unattended stations, an amplifier at each of said unattended stations connected in series with said line, a potential source for said amplifiers connected to said line at the attended

station and means, including a normally non-conductive path and a gaseous discharge tube connected in said path as a series element, associated with each of said amplifiers for establishing a supplementary signaling path around a respective amplifier upon occurrence of a break in the energizing path of said respective amplifier with consequent disabling of said respective amplifier, said gaseous discharge tubes respectively becoming conductive to establish a shunt path around a respective amplifier, while such amplifier is in operative condition, upon occurrence of a voltage of excessive value, for diverting the excessive voltage from said amplifier, each of said gaseous discharge tubes remaining non-conductive upon the voltages normally applied to the signaling system but becoming conductive to render the associated path conductive upon occurrence of abnormal voltage of magnitude sufficient to damage elements of an amplifier if applied thereto.

2,356,297

ALUMINUM SILICATE PIGMENTS AND PROCESS FOR PREPARING THEM

Ladislaus Balassa, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 12, 1940, Serial No. 345,181
2 Claims. (Cl. 106—253)

1. A coating composition comprising (A) a film forming vehicle comprising material selected from the group consisting of oils having drying properties and resins modified with such oil, and (B) a pigment, at least 50% of the said pigment being pyrophyllite calcined at a temperature between about 800° C. and 1100° C.

2,356,298

ROLLER CAGE

Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware

Original application December 26, 1941, Serial No. 424,438. Divided and this application January 24, 1944, Serial No. 519,427
2 Claims. (Cl. 308—217)



1. A one-piece roller cage comprising a cylindrical body having an annular groove within its inner periphery and having within its exterior periphery a plurality of circumferentially spaced grooves decreasing in depth near their ends but of sufficient depth in an intermediate portion to communicate with said annular groove and thus form roller-receiving openings in the bottom thereof.

2,356,299

PROCESS AND PRODUCT FOR OVERCOMING THE CRYPTOGAMIC DISEASES OF PLANTS

Henri Bernat, Bordeaux, France; vested in the Alien Property Custodian

No Drawing. Application February 10, 1942, Serial No. 430,304. In France February 24, 1941
3 Claims. (Cl. 167—16)

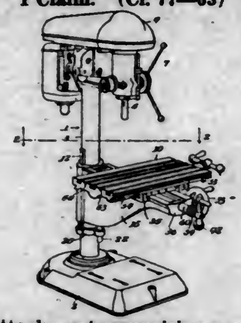
1. A product for treating plants to overcome cryptogamic diseases comprising a solution of cellulose in cupra ammonia, said cellulose being present in an amount sufficient to facilitate adherence of the cupra ammonia to the plants treated, and a colloidal clay.

2,356,300

PRESS ATTACHMENT

Arthur C. Boettcher, Chicago, Ill.

Application February 4, 1942, Serial No. 429,549
1 Claim. (Cl. 77—63)



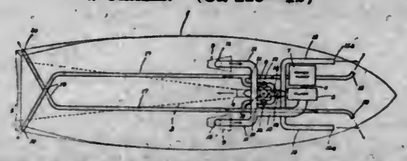
A press attachment comprising a collar adapted to embrace an upright main column of a press and movable vertically thereon, means for securely clamping the collar in place in any position vertically along the column, a base above the collar and adapted to embrace the same main column and slide vertically thereon, a vertical lead screw connection between the base and the collar for shifting the base vertically towards and away from the collar, means including a horizontal rotatable operating shaft and gearing connecting the shaft with the screw for turning the lead screw to impart the vertical movement to the base, a carriage slidably mounted on said base, means including a rotatable operating shaft extending from the front towards the rear of said carriage for imparting a sliding movement to the carriage, a work table on said carriage and movable thereon in a direction at right angles to the direction of movement of the carriage on the base, means including a rotatable operating shaft extending from one transverse side of the work table towards the opposite side thereof for imparting movement to the table with respect to the carriage, said two last mentioned shafts being horizontal and at right angles to one another and both within simultaneous reach of a press operator standing in front of said attachment, and said first operating shaft terminating between the other two operating shafts whereby an operator can operate any two of the shafts simultaneously while the operator is in his press-operating position.

2,356,301

APPARATUS FOR PROPELLING AND STEERING BOATS

George Brase, Fresno, Calif.

Application September 18, 1942, Serial No. 458,890
2 Claims. (Cl. 115—12)



1. Boat propulsion apparatus comprising a pump mounted in the boat, means in the boat to drive the pump, a forwardly facing water pick-up scoop mounted exteriorally on the bottom of the boat, a conduit connecting between the scoop and intake of the pump, the bottom of the boat having a longitudinal tunnel therein extending forwardly from the stern, the pick-up scoop being separate from and disposed to one side of said tunnel, a jet mounted on the boat adjacent the forward end of the tunnel and positioned to discharge rearwardly therethrough, and another conduit connected between the jet and the outlet of the pump.

2,356,302

DRILLING FLUID

Thomas S. Chapman, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 11, 1941, Serial No. 401,961
16 Claims. (Cl. 252—8.5)

1. A drilling fluid comprising a mixture of a thermo-setting resin with water.

2,356,303

CATALYTIC PROCESS FOR THE TREATMENT OF HYDROCARBON OILS

Gerald C. Connolly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 4, 1938, Serial No. 233,159
1 Claim. (Cl. 196—52)

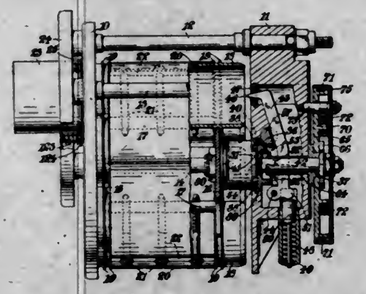
A process for the cracking of hydrocarbon oil comprising passing said oil at cracking temperature in contact with a catalyst comprising essentially silica and alumina but substantially free of alkali metals formed by combining an aluminum compound of the class consisting of an oxide having a capillary structure and a compound convertible into the oxide with a mixture of silica hydrosol and a gelatinous precipitate of silica, thereafter converting the silica hydrosol into silica hydrogel, washing said hydrogel free of undesirable impurities and drying the resulting product, and maintaining said oil in contact with said catalyst for a period sufficient to effect the desired cracking.

2,356,304

CARTRIDGE FEED AND FIRING MECHANISM

Harry da Costa, Ilford, England, assignor to The Plessey Company Limited, Ilford, Essex, England, a British company

Application January 25, 1941, Serial No. 375,967
In Great Britain September 11, 1939
11 Claims. (Cl. 89—13)



1. A feed and firing mechanism for signal and like cartridge-firing apparatus comprising in combination a frame, a cartridge-magazine having a plurality of cartridge-chambers and rotatable about a fixed axis in said frame, a driving spindle, a driving member carried thereby and comprising the driving element of a Geneva transmission device, the driven element of which is mounted to rotate with the cartridge-magazine about an axis spaced from that of the driving spindle, a firing hammer spring-loaded towards the firing position, a rotary hammer-actuating cam-member also rotatable on said driving spindle and having a plurality of cams so proportioned in number to the gear ratio of the Geneva transmission device that the firing hammer will operate successively on cartridges contained in the said cartridge chambers as the same are brought into the firing position and while the cartridge-magazine is held stationary by the transmission device, and driving means for the driving spindle.

2,356,305

PLATE CLAMP FOR PRINTING CYLINDERS

Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Application April 25, 1942, Serial No. 440,457
6 Claims. (Cl. 101—378)



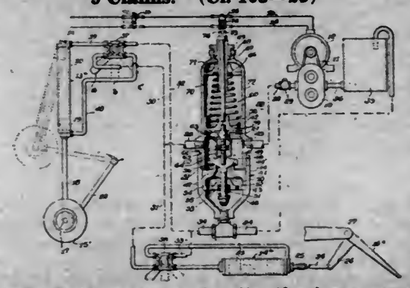
1. A plate clamping mechanism for a printing cylinder adapted for use as one of a group about the cylinder including in combination a fixed center ring, a motion transmitting member, a pair of intermediate plate clamps slidable on said motion transmitting member toward and from each other, an end plate clamp movable with the motion transmitting member, spring means urging the intermediate clamps apart, spring means urging the motion transmitting member and end clamp towards the center ring, and means for applying the pressure of the second named spring means through the motion transmitting member and first named spring means to the intermediate clamps so that a single plate may be resiliently clamped between the center ring and one intermediate plate clamp or in addition another plate between the other intermediate plate clamp and the end clamp.

2,356,306

PUMP CONTROL MECHANISM

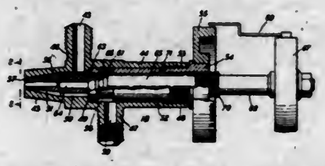
Frank P. Davis, Hialeah, Fla.

Application December 23, 1940, Serial No. 371,345
9 Claims. (Cl. 103—25)



1. In fluid pressure circuits, the improvement in control means for modifying the pressures in said circuits, said control means comprising a chamber connected to said circuits, an inwardly movable valve forming an outlet from said chamber, and a piston freely movable in said chamber and operably connected to said valve, said valve being retained in position by both fluid and spring pressure.

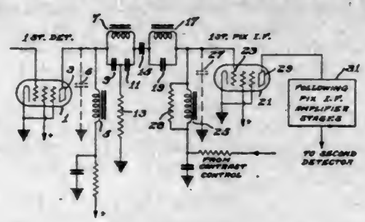
2,356,307
HYDROCARBON FUEL BURNER NOZZLE CONSTRUCTION
Oscar Fortis, Chicago, Ill., assignor to Jack W. Hearst, Chicago, Ill.
Original application April 3, 1941, Serial No. 386,576. Divided and this application March 27, 1943, Serial No. 480,780
2 Claims. (Cl. 299—140)



1. In a burner assembly, a nozzle adapted for conversion of heavy hydrocarbon fuels comprising a cylindrical outer barrel having a tapered front portion with an open mouth, and integral with and rearwardly of said front portion, two threaded tubular arms communicating with the interior of said barrel, a sleeve rigidly secured within said barrel and having a central bore, said sleeve having a reduced diameter front portion coaxial and coextensive with said tapered front portion of said barrel, forming a passageway therebetween and terminating at the open mouth of the barrel and forming therewith an annular orifice, one of said tubular arms positioned just beyond the front portion of said barrel and communicating with said passageway and said annular orifice for supplying high pressure steam thereto, the other of said tubular arms spaced slightly rearwardly of said first arm and adapted to provide fuel, said arms extending perpendicular to the longitudinal axis of the barrel, in opposite directions from the barrel, and offset with respect to each other on opposite portions of the barrel, said sleeve having in its external surface a recess in communication with said fuel providing tubular arm, said sleeve having a tear drop orifice to permit fuel to flow from said recess to the bore of said sleeve, said orifice being out of direct line with said fuel providing tubular arm, said orifice being positioned with respect to said recess so that the larger diameter of the orifice is adjacent the rear portion of the recess and the smaller diameter of the orifice is adjacent the front portion of the recess, said bore being of larger diameter than the largest effective diameter of said orifice, said sleeve having a seat positioned slightly forward of said recess, a piston extending within said sleeve, and having a front end adapted to engage said seat and seal said recess and orifice and manually operable means attached to the rear end of said piston for moving said piston rearwardly of said recess and to open said orifice.

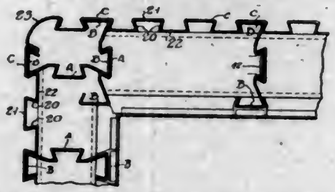
2,356,308
WIDE BAND AMPLIFIER
Gordon L. Fredendall, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1941, Serial No. 376,877
5 Claims. (Cl. 178—44)

1. In a signal transmission system, a band pass filter having an improved phase delay characteristic comprising a plurality of filter circuits in combination, each circuit comprising inductance and capacity connected in parallel, one of said circuits being a serially connected rejector circuit with a resonant frequency chosen adjacent to said pass band, another of said filter circuits serving as a parallel connected peaking circuit whose resonant frequency is lower than the resonant frequency of said rejector circuit, and still



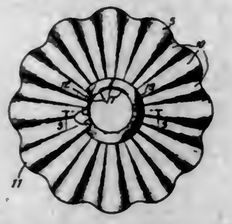
another of said filter circuits serving as a second parallel connected peaking circuit whose resonant frequency is higher than the resonant frequency of said rejector circuit.

2,356,309
CONSTRUCTION UNIT
Gustav W. Garbe, Chicago, Ill.
Application May 9, 1941, Serial No. 392,683
7 Claims. (Cl. 189—34)



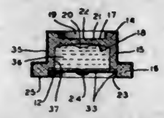
2. In the art of building construction, a structural unit comprising a plurality of companion units key-locked to each other, and wherein each companion unit comprises a general beam formation including a web section having both top and bottom flanges, said web section of each unit including a centrally arranged key member having symmetrically disposed portions connecting with an end wall, each portion being formed with a laterally extending arm which with said key forms said web section, and each of said flanges respectively constituting a key member, and wherein the flange of one construction unit is arranged to interlock and join with the key member forming a portion of its companion unit.

2,356,310
CLUTCH DIAPHRAGM SPRING
Harold Gass, New York, N. Y.
Application August 30, 1943, Serial No. 500,597
9 Claims. (Cl. 267—1)



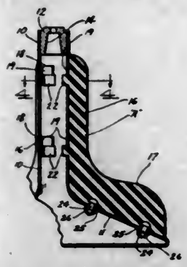
1. In combination, a substantially frusto-conical clutch diaphragm spring comprising a plurality of hollow undulatory radially arranged ribs presenting a plurality of spaced and radially disposed concavities in the underface of said spring and having a centrally arranged opening at one end thereof, and a thrust bearing embodying an annular laterally extending flange adapted to be seated on said ribs adjacent said opening and having an interrupted depending annular series of spaced and resilient lugs defining an annularly arranged interrupted expanded portion normally greater in size than said opening, said lugs adapted to be received in said opening for cooperating with the wall of the latter to contract said series and operative thereafter to automatically retract for positioning of said lugs in said concavities and interlock with the walls of the latter to prevent rotation of said bearing relative to said spring.

2,356,311
SPIRIT LEVEL DEVICE
James Geier, Troy, N. Y.
Application March 10, 1943, Serial No. 478,682
2 Claims. (Cl. 33—212)



1. A spirit level device comprising a cylindrical body made of a thermoplastic material, said body having an integral viewing pane disposed somewhat below the top thereof, a flange extending from the bottom thereof, said body having an annular recess in the bottom thereof substantially in alignment with said flange, and a base plate spaced-apart from said pane and disposed in said annular recess, the space between said plate and pane constituting a liquid chamber.

2,356,312
AGITATOR CONSTRUCTION
Andrew H. Gerhardt, Skokie, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application October 29, 1941, Serial No. 416,983
4 Claims. (Cl. 68—134)

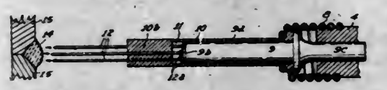


1. An agitator for use in a washing machine, comprising a body member including an upright tubular standard and a disc member connected to the lower end of the standard, and a plurality of circumferentially spaced apart upright vanes seated upon said body member, each of said vanes including an upright portion adapted to be seated against the exterior of the standard, and a laterally extending portion adapted to be seated upon the upper surface of said disc, each upright vane portion being provided with one or more undercut projections for interlocking engagement in slots formed in said standard.

2,356,313
LOW TEMPERATURE GREASE
Robert A. Gerlicher, Cranford, and John H. Bannon, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 4, 1942, Serial No. 453,556
5 Claims. (Cl. 252—35)

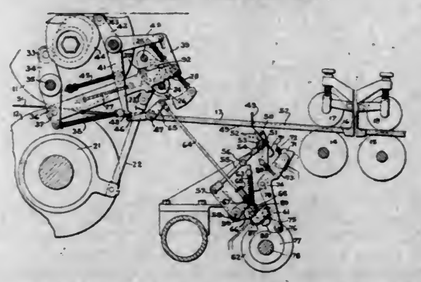
1. A low temperature lubricant comprising essentially from 50–70% of a hydrocarbon liquid having a pour point at least as low as —90° F. and about 30–50% by weight of a fatty acid soap of a metal of group II of the periodic table.

2,356,314
SCALING TOOL
Reo D. Gray and James R. Denison, Portland, Oreg., assignors of one-fourth to C. W. West and one-fourth to Andy Barbour, both of Portland, Oreg.
Application November 23, 1942, Serial No. 466,704
11 Claims. (Cl. 29—81)



1. A scaling tool comprising a holder adapted to be operatively seated in a reciprocating hammer mechanism, and a plurality of freely movable scaling members of slight mass slidably mounted in said holder and extending longitudinally therefrom, and means arranged within said holder for striking the ends of said scaling members a sharp blow periodically to drive them outwardly from said holder.

2,356,315
PRINTING MACHINE
Morris S. Gudger, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 31, 1941, Serial No. 425,019
14 Claims. (Cl. 101—247)



1. In a sheet fed printing machine, sheet feeding means, and a cylinder tripping mechanism adapted to be set in "trip on" and "trip off" positions, control means for the tripping mechanism, including a sheet detector finger disposed in the path of travel of the sheets, to be engaged and displaced by each sheet and so held while the sheet is passing, to effect the setting of the tripping mechanism into "on" position when the sheet engages and moves the finger in proper timed relation with cylinder rotation, and a second means actuated when the finger is held displaced by a sheet present at an improper time, to effect the setting of the tripping mechanism to "off" position.

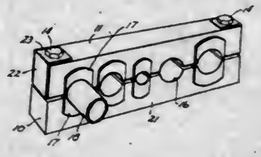
2,356,316
GLASS ENAMEL COMPOSITION
Carl J. Harbert, Shaker Heights, and Robert F. Morrison, Elyria, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application June 28, 1943, Serial No. 492,642
10 Claims. (Cl. 106—49)

1. A lead borosilicate glaze suitable for decorating glassware, having a fusing temperature not higher than 640° C. and exhibiting superior alkali resistance, said glaze comprising a pigment dispersed in a glaze matrix of lead borosilicate type and said matrix containing as smelted in addition for imparting high alkali resistance barium oxide and zirconium dioxide in the proportion of ZrO_2 41% to 67% and BaO 59% to 33% based on the combined weights of BaO and ZrO_2, barium oxide and zirconium dioxide aggregating from 5% to 15% of the matrix by weight.

2,356,317
GLASS ENAMEL COMPOSITION
Carl J. Harbert, Shaker Heights, and Robert F. Morrison, Elyria, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application July 22, 1943, Serial No. 495,958
9 Claims. (Cl. 106—49)

1. A lead borosilicate glaze suitable for decorating glassware, having a fusing temperature not higher than 640° C. and exhibiting superior alkali resistance, said glaze comprising a pigment dispersed in a glaze matrix of lead borosilicate type and said matrix containing as smelted in addition for imparting high alkali resistance barium stannate in proportion from 6% to 14% of the matrix by weight.

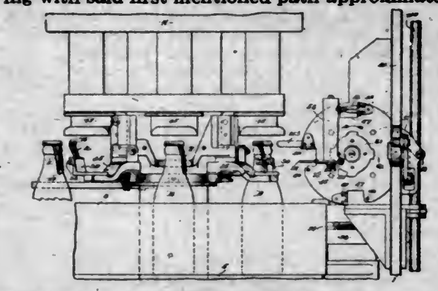
2,356,318
CONDUIT SUPPPORT
Richard Lowell Hayman, North Hollywood, Calif.
Application April 13, 1942, Serial No. 438,735
3 Claims. (Cl. 24—135)



1. A conduit support consisting of: a pair of separate opposed nonresilient blocks, provided with a plurality of complemental conduit receiving seats in their opposed faces; individual resilient grommet sections in each of said seats, the opposed grommet sections cooperating to receive and cushion a conduit therebetween; and means for holding said blocks together to clamp said conduits between said grommet-lined seats.

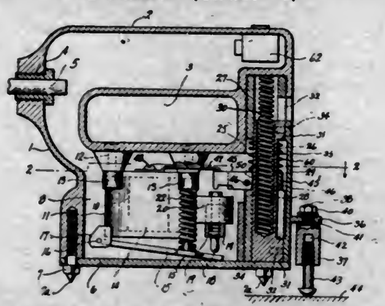
2,356,319
METHOD AND APPARATUS FOR APPLYING CAP REMOVERS TO BOTTLES OR LIKE CONTAINERS
Maxwell H. Hill, Rochester, N. Y.
Application May 29, 1942, Serial No. 445,400
16 Claims. (Cl. 226—81)

1. The method of applying crown caps and cap removers to a series of bottles which method comprises moving each bottle in succession in a given path through a capping position, moving a series of cap removers in succession through a second path in part paralleling and then merging with said first mentioned path approximately



at said capping position and against the lips of successive bottles in the capping position, and crimping a cap on the lip of each bottle in the capping position with a portion of a cap remover embraced between the crimped margin of the cap and the lip of the bottle.

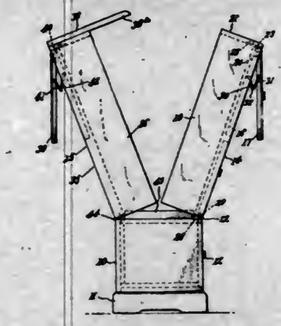
2,356,320
ARC-WELDING EQUIPMENT
Grover A. Hughes, Seattle, Wash., assignor of one-third to Robert W. Hughes and one-third to Roger G. Hughes, both of Seattle, Wash.
Application March 29, 1943, Serial No. 480,939
11 Claims. (Cl. 219—4)



1. A gun for the arc welding of studs to plates comprising a housing with plate engaging supports, a plunger slidable in the housing, a stud holder fixed to the plunger, pressure means acting against the plunger to urge a stud applied to the holder against the plate, a clutch member associated with the plunger and through which the latter may be freely lifted through the mediacy of the stud in seating the housing against the plate, and means in the housing operable against the clutch member to lift the plunger.

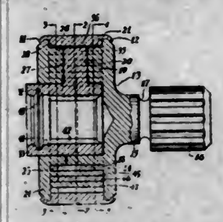
9. In an apparatus for welding a stud, forming one electrode of a welding circuit, to a plate forming the other electrode of the circuit; a circuit for an arc initiating current including the plate, stud and electrically energizable means therein, a normally open switch in the circuit, an alternating current transformer, a supply circuit including the primary winding of the transformer therein, a welding circuit including the secondary winding of the transformer, the stud and plate therein, normally open switches in the supply circuit and welding circuit, and switch timing means for closing and opening the circuit for the arc initiating current, and for closing and opening the supply circuit and welding circuit switches.

2,356,321
CHEST BED
William A. Irick, Lexington, Ky.
Application October 19, 1943, Serial No. 506,891
1 Claim. (Cl. 5—152)



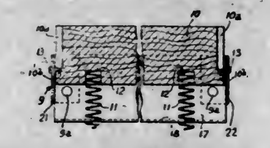
An improved furniture comprising a pedestal, two mutual sections carried in said pedestal and each comprising a bottom wall, side walls and one end wall at the upper outer part of the section, the lower inner open end of each section hinged as to its bottom wall to the top part of the pedestal to enable the sections to assume a side-by-side upright position simulating a chest of drawers and to be swung down in opposite directions with the bottom walls of the two sections in horizontal alinement with one another, a block upstanding from the pedestal stepped in from the sides of the pedestal and having its upper surface substantially flush with the upper faces of the section bottom walls in the lowered positions of the sections, the sides of the block snugly receiving thereagainst the inner faces of the side and bottom walls in the erect positions of the sections.

2,356,322
COUPLING
James P. Johnson, Shaker Heights, Ohio
Application March 31, 1943, Serial No. 481,237
6 Claims. (Cl. 64—27)



1. A flexible coupling comprising; a hollow cylindrical housing; a pair of end plates disposed at the opposite ends of said housing and securely connected to the latter, said end plates being provided with tubular extensions projecting axially inward and relatively in longitudinal alignment, the inner adjacent ends of said extensions being in abutting engagement, said end plates being further provided with thrust lugs which project inwardly therefrom but radially outward from the adjacent extension, said thrust lugs being spaced apart relatively but in longitudinal alignment; cooperating means on said extensions for preventing relative angular movement therebetween and for maintaining alignment of said thrust lugs; a hub-like member mounted for oscillatory movement in said extensions in such a manner as to afford suitable bearing substantially throughout the entire enclosed surface of said hub member, said hub member being provided with a thrust lug which projects radially outward therefrom and is disposed between and normally in longitudinal alignment with the aforesaid thrust lugs; and an axially split spring steel ring positioned within said housing and in encircling relation about said extension, the ends of said spring being resiliently engageable with adjacent portions of the normally aligned thrust lugs whereby opposite angular movement between said plate thrust lugs and the hub thrust lug is yieldably afforded.

2,356,323
DEVICE TO PREVENT CLOGGING OF SCREENS
Andrew Kardos, Paterson, N. J.
Application March 7, 1942, Serial No. 433,735
1 Claim. (Cl. 209—385)



In a device to prevent clogging metal screens having slots, a metal screen having slots moving in its longitudinal direction, a stationary frame below the screen, and a casing secured to the frame, having side and end walls and having an open top end, the combination of a piston block of hard material vertically movable in said casing and extending above the open top and having the upper part of its end walls spaced from the end walls of said casing, and having the lower part of its end walls extending to the end walls of said casing, the top of the piston having inclined walls in respect to the longitudinal direction of the sieve, springs acting upon the lower side of the piston and secured to the frame to push the piston upwardly, and means extending inwardly of the end walls of the casing against the end walls of the piston above the part of the piston extending to the end walls, whereby said means limit the upward movement of said piston, the spaced end walls of the piston permit an angular movement of the piston, and the inclined walls of the top of the piston act upon any material clogged in the slots of the sieve to eject the same upwardly of the slots of the sieve.

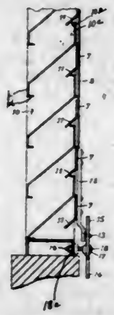
2,356,324
SPLITTING MECHANISM
John J. Kendle, Buckley, and Eldon W. Young, Copalis Crossing, Wash.
Application December 20, 1941, Serial No. 423,802
1 Claim. (Cl. 144—194)



In a splitting mechanism wherein a block of material to be split is presented to a vertically disposed knife blade, means for aligning said block with respect to said blade and comprising: a pair of opposed cylindrical presser members each mounted to swing about a vertical axis eccentric of the axis of their cylindrical contour,

the major portion of said cylindrical presser members extending knifeward from said axis of rotation, means for resiliently urging said presser members toward each other, and means operable to retract either presser member against its bias when pressure is applied to the other of said presser members.

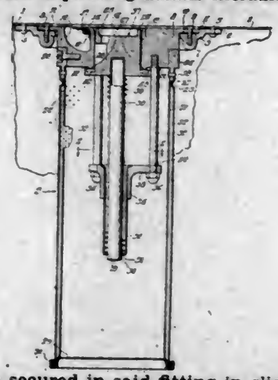
2,356,325
VENTILATOR
Holger R. Larsen, Brooklyn, N. Y., assignor to J. J. Fisher Co. Inc., Brooklyn, N. Y., a corporation of New York
Application April 29, 1942, Serial No. 441,041
3 Claims. (Cl. 98—121)



1. In a ventilator comprising a frame having a plurality of vertically spaced louver blades inclined upwardly and rearwardly from the front to the rear of said frame and extending continuously from the front of said frame to the rear thereof, a damper unit mounted on said frame at the rear thereof for sliding movement vertically of said frame from an upper position in which the ventilator is open to a lower position in which the ventilator is closed, said damper unit comprising a plurality of vertically spaced blades having vertical portions for closing the spaces between adjacent louver blades at the back of the ventilator, in said lower position of said damper unit, and provided with flat planar flanges inclined and projecting forwardly and downwardly from the lower ends of said vertical portions, the upper surfaces of said flanges being parallel to the lower surfaces of said louver blades.

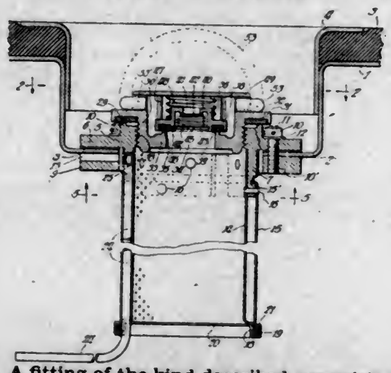
2,356,326
GASOLINE TANK FITTING
William A. Lebus, Chicago, Ill., assignor to Protectoseal Company of America, Inc., Chicago, Ill., a corporation of Illinois
Application August 25, 1941, Serial No. 408,194
6 Claims. (Cl. 284—14)

1. A closure unit associated with an opening in the wall of a tank comprising a fitting having sealed connection with said wall, said fitting having a smooth cylindrical bore extending from its external face to its internal face and providing a port therein, a valve for opening and closing said port comprising means for sealing said port and having an extended generally cylindrical apertured head slidably fitting in and movable into and out of said cylindrical bore and nested within said bore to aid in seating said valve and closing the port, the upper end of the head of said valve, when seated, being substantially flush with the external face of the fitting, a stem for said valve, and means depending from said fitting and coacting to guide said valve stem at a point remote from said fitting and including resilient means for normally urging said valve into closed position, said depending means including spaced



guide rods secured in said fitting in sliding contact with the edge of said valve for guiding the valve whenever said valve head is moved out of the port during the filling operation of said tank.

2,356,327
SELF-VENTING TANK VALVE
William A. Lebus, Chicago, Ill., assignor to Protectoseal Company of America, Inc., Chicago, Ill., a corporation of Illinois
Application December 13, 1941, Serial No. 422,801
4 Claims. (Cl. 220—44)

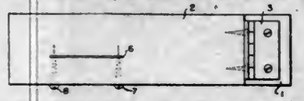


1. A fitting of the kind described comprising an annular body member secured to a tank, an annular chambered cap member removably secured to said body member, and provided with a valve seat at the lower end thereof defining an opening, an annular chambered pressure valve disposed on said seat, guide means carried by said cap member and engageable with the peripheral edges of said annular pressure valve to guide the latter toward and away from said seat, a vacuum relief valve carried in the chamber of said annular valve and normally closing the opening therethrough, and means for normally maintaining said valves on their respective seats.

2,356,328
INSULATION CUTTING DEVICE
Ellis Lindgren, Geneva, Ill.
Application July 10, 1943, Serial No. 494,181
6 Claims. (Cl. 30—91)

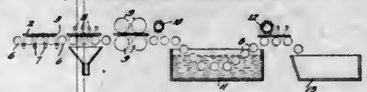
1. A device for cutting the insulation of a wire preparatory to skinning the same, comprising a

pair of blocks hinged together for relative movement, a groove in the upper surface of one block and a second groove in the other block, said grooves registering with each other when said blocks are brought together and combining to form a hole into which a section of insulated wire may be inserted, a knife blade mounted in



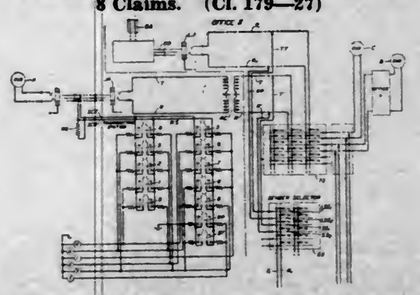
the upper block and having its edge extending laterally of and for a certain distance into said hole, said blade acting to make a circumferential cut around said wire for a certain depth when the wire is turned around while inserted in said hole, and means for adjusting the space between the blocks when brought together to thereby adjust the depth of the cut made by said blade.

2,356,329
METHOD FOR THE SEPARATION AND RECLAMATION OF COPPER FROM PRINTING PLATES AND THE LIKE
Axel E. Lundbye, Springfield, Ohio, assignor to The Crowell-Collier Publishing Company, Springfield, Ohio, a corporation of Delaware
Application May 23, 1942, Serial No. 444,228
7 Claims. (Cl. 75—63)



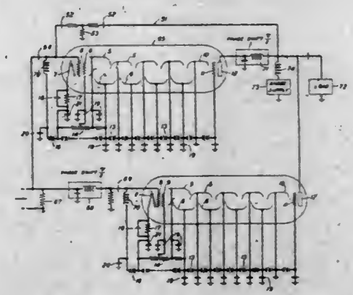
1. The method of recovering copper from printing plates made up of a base metal with a coating of copper and nickel thereon, said base metal having a lower melting point than copper, which consists in electrolytically stripping off the nickel; coating the stripped surface with a whiting; melting off the base metal which leaves but a thin coating of the same on one surface of the plate; oxidizing the thin coating by heating and rapidly cooling the plate to change the coating to a scale; distorting the surfaces of the plate in a plurality of minute areas to thus crack and loosen the scale; and removing the loosened scale from said plate.

2,356,330
SIGNALING SYSTEM
Alexis A. Lundstrom, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 9, 1943, Serial No. 482,358
8 Claims. (Cl. 179—27)



1. In an alternating current signal receiver, the combination with a channel for each signal frequency of means responsive to an initial unlocking frequency for controlling the response of said channels to their respective signal frequencies, and means responsive to said initial unlocking frequency when concurrently applied with another frequency for preventing said first-mentioned means from rendering said channels responsive to their respective signal frequencies, said means comprising a signal device and a network for attenuating the potential at said initial unlocking frequency, whereby the intensity of said potential is reduced relative to the potential of some other frequency concurrently applied therewith, and whereby said signal device responds to the attenuated potential of said initial unlocking frequency when applied alone and does not respond when concurrently applied with the unattenuated potential of said other frequency.

2,356,331
AMPLIFICATION WITH HIGH EFFICIENCY
James W. McRae, Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1941, Serial No. 414,439
In Canada July 17, 1941
5 Claims. (Cl. 179—171)

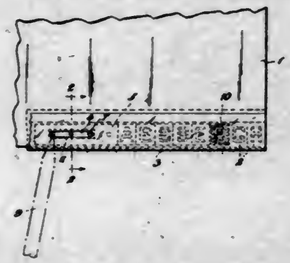


1. In a high efficiency high gain amplifying system for amplitude-modulated oscillations, a first multistage electron multiplier, a second multistage electron multiplier, a source of modulated oscillations of varying amplitude, means causing each of said multipliers to transmit impulses of duration short compared with the fundamental period of said oscillations, under control of said source, a load circuit, means causing one of said multipliers to operate with an oscillating voltage of variable amplitude at its output terminals, and means including a quarter wave-length network cooperating with said one multiplier for causing the other of said multipliers to operate, during at least a portion of the modulation cycle, at a substantially constant oscillatory output voltage while supplying varying current oscillatory energy to said load.

2,356,332
MARKING DEVICE FOR RECORDING CARDS
Thure Ivar Malmer, Smedslatten, Sweden
Application May 28, 1942, Serial No. 444,913
In Sweden June 5, 1941
1 Claim. (Cl. 129—16.7)

In recording structures of the type having a card provided at an edge with a series of indicia, a pocket secured to said edge portion of the card and having a transparent side through which the indicia may be viewed, and a slide arranged to

reciprocate in said pocket and cooperate with said indicia, the improvement in which the card and transparent side of the pocket are provided with elongated registering slots arranged parallel to said edge of the card at an end of the series of indicia, and the slide is provided with a longi-



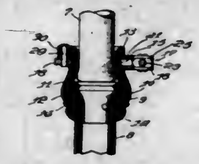
tudinal series of equally spaced apertures arranged to register a few at a time with the slot in the pocket, to permit a pointed instrument to be inserted through one of the apertures and the slots in manipulating the slide relatively to the indicia.

2,356,333

HOSE CONNECTOR

Albert J. Matter, Park Ridge, Ill.

Application July 30, 1942, Serial No. 452,819
13 Claims. (Cl. 285—77)



1. The combination with a resilient tubular member to be telescopically connected with an object, of means for clamping said tubular member about the object comprising an articulated clamp element to extend about said tubular member and comprising a series of rigid links hinged together, said clamp element pivotally connected at a link thereof with said tubular member and movable into and out of clamping engagement therewith, and means for clamping said element about said tubular member.

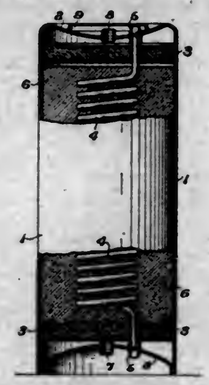
2,356,334

MEANS FOR STORING AND CONCENTRATING ANHYDROUS HYDROGEN CHLORIDE

Aylmer H. Maude and David S. Rosenberg, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

Application December 18, 1941, Serial No. 423,445
5 Claims. (Cl. 23—252)

2. A container for anhydrous hydrogen chloride comprising a gas tight metal shell, rigid permeable plates of finely porous material constituting inner retaining walls within said shell at opposite ends thereof and defining with said shell inlet and outlet compartments, pipe connections extending through said shell and communicating with said compartments, the space within said shell between said retaining walls containing an anhydrous finely divided material forming with anhydrous hydrogen chloride an addition compound decomposable by heat to liberate the hydrogen chloride, said finely divided material be-



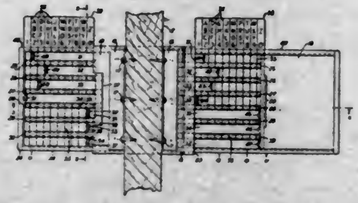
ing in quantity allowing space for lifting and spreading of its particles under the action of gases entering from below.

2,356,335

NUMBER INDICATING DEVICE

Orwar S. A. Mesch, St. Albans, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 26, 1942, Serial No. 448,706
7 Claims. (Cl. 116—135)



1. A number indicating device at a booth equipped substation comprising casing means mounted in an apertured wall of said booth, apertured wall members in said casing means located inside and outside the booth, selectively operated number recording and exhibiting means mounted in said casing means and operable from inside and outside said booth through the apertures in said apertured wall members in said casing means to record and exhibit the call number of a desired substation, the selected positions of said selectively operated number recording and exhibiting means being observable inside and outside said booth through the apertures in the apertured wall members in said casing means, and movable mask means operable to move across the apertures in the apertured wall members in said casing means to mask and unmask the numbers recorded on said device.

2,356,336

UNCOUPLING MECHANISM

William J. Metzger, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

Application February 25, 1942, Serial No. 432,197
12 Claims. (Cl. 213—161)

1. In an uncoupling mechanism for a car coupler a rotatable member, a pair of spaced fixed brackets on the car for supporting said member, said member having a supporting portion non-circular in cross-section extending between said brackets, and an uncoupling rod for transmitting rotative movement from said member to the lock



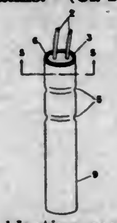
operating mechanism of the coupler, said rod comprising an arm rigidly joined thereto having an opening for receiving said portion to enable sliding of said rod along said portion and to enable rotation of said rod with said portion.

2,356,337

ELECTRIC BLASTING CAP

Abraham B. Miller, Newark, Del.; Hazel E. Miller, administratrix of said Abraham B. Miller, deceased, assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application September 6, 1940, Serial No. 355,572
2 Claims. (Cl. 102—28)



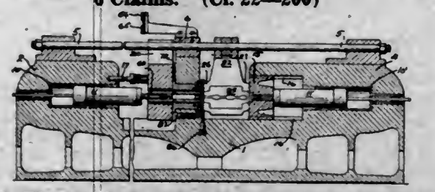
1. An electric blasting cap having its component parts prefabricated and adapted to mechanical assembly which comprises, a bridge plug of dielectric material formed about a bridge assembly, said bridge plug having at least one groove about its periphery, and a relatively thin sleeve of a resilient material interposed between said bridge plug and a charged shell, said charged shell crimped to engage said groove in the bridge plug, the elastic material being highly compressed whereby the resilient properties thereof compensate for differences in thermal expansivity between the plug and shell to form a water impervious cap.

2,356,338

EXTRUSION-MOLDING METHOD

Charles C. Misfeldt, Glendale, Calif.

Application August 11, 1941, Serial No. 406,254
6 Claims. (Cl. 22—200)



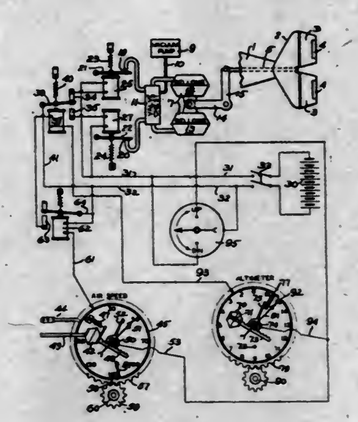
2. The method of making a molded-extrusion which comprises heating said metal to a point just below a mushy plastic state thereof, additionally heating said metal to a refined mushy plastic stage by forcing said metal through a constricted orifice, directing said mushy plastic metal immediately into a mold, and suddenly applying an additional pressure to the metal in the mold as freezing occurs.

2,356,339

AIRPLANE PITCH CONTROL

Jess S. Morrison, Southgate, Calif., assignor to Leo M. Harvey, La Canada, Calif.

Application August 10, 1940, Serial No. 352,137
6 Claims. (Cl. 244—77)



1. A system for controlling the elevator of a plane to realize maximum climbing efficiency comprising a servo-motor continuously operable in either direction to full extent of its permissible movement; relay means determining continuous permissible movement of said servo-motor in one direction when said relay means is energized in one sense and determining continuous permissible movement of said servo-motor in reverse direction when energized in opposite sense; and circuit means for determining the sense in which said relay means becomes energized including an air speed pressure controlled pair of contacts, and an altitude controlled pair of contacts in series therewith.

2,356,340

METAL SOAPS

Eger V. Murphree, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Original application December 23, 1937, Serial No. 181,374. Divided and this application July 25, 1940, Serial No. 347,482
8 Claims. (Cl. 260—448)

1. A composition comprising a polyvalent metal soap of acids derived from the oxidation of "sweater oil."

2,356,341

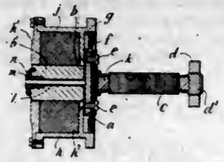
ELECTRIC REGULATOR

Leslie Reginald Nixon, New Eltham, London, England, assignor to J. Stone & Company Limited, Deptford, England, a British joint-stock company

Application May 7, 1943, Serial No. 486,033
In Great Britain June 8, 1942
5 Claims. (Cl. 201—51)

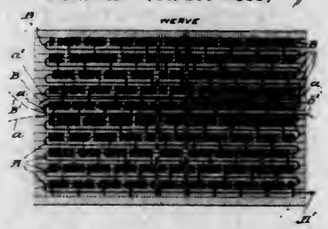
1. An electric regulator comprising a carbon pile, spring means operative for compressing said pile, magnet-operated means operative for varying the compression of said pile, an adjustment operative for moving said pile bodily for adjust-

ing the spring loading of such pile, and a gauge device comprising a pin movable relatively to an



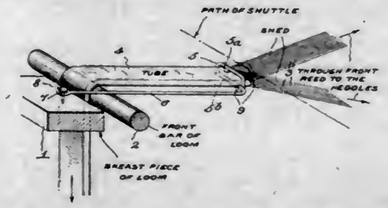
aperture and adapted for indicating the setting of the pile without impeding the working of the regulator.

2,356,342
WOVEN FABRIC TUBE AND METHOD OF MAKING THE SAME
Rudolph Orgass, College Point, Long Island, N. Y., assignor to Nalven & Son, Inc., Bronx, N. Y., a corporation of New York
Application July 28, 1943, Serial No. 496,377
9 Claims. (Cl. 139—388)



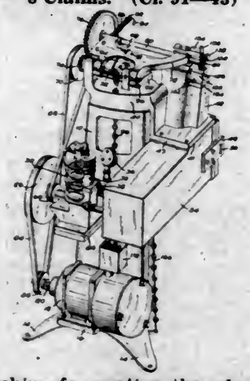
7. A woven fabric tube comprising warp threads, and successive filler threads interwoven with the warp threads, with the beginning portion of each successive filler thread positioned directly adjacent and in parallel relation to the finishing end portion of the next preceding filler thread with which it is thus overlapped in the weave for a distance at least equal to the width of the tube when the latter is in flat condition.

2,356,343
TUBE CONFORMER FOR TUBE WEAVING LOOMS
Rudolph Orgass, College Point, Long Island, N. Y., assignor to Nalven & Son, Inc., Bronx, N. Y., a corporation of New York
Application October 28, 1943, Serial No. 507,919
5 Claims. (Cl. 139—291)



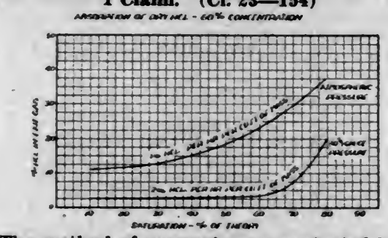
3. A conformer for flat tube weaving looms comprising; a bracket provided at one end with an attaching member and having at its other end an elongated loop of a length at least equal to the width of the flat tube with which it is adapted for use and of a width approximately equal to the thickness of such tube, said loop embodying a catch to permit of the opening and closing of the loop.

2,356,344
MACHINE FOR TREATING SOLES
Oscar Hugo Osbeck, Nahant, Mass., assignor to Prime Manufacturing Co., Lynn, Mass., a corporation of Massachusetts
Original application September 19, 1939, Serial No. 295,629. Divided and this application April 24, 1941, Serial No. 390,131
8 Claims. (Cl. 91—43)



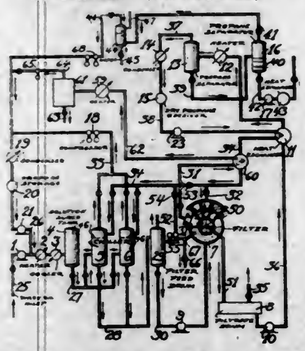
7. A machine for coating the edges and margins of sole pieces, which comprises a nozzle having a horizontal opening and a vertical opening, a strip slidably mounted over said vertical opening, a feed roll disposed above said horizontal opening, means for supporting the feed roll for vertical movement, and means movable with the feed roll for moving the strip to regulate the extent of said vertical nozzle opening.

2,356,345
METHOD OF STORING AND CONCENTRATING ANHYDROUS HYDROGEN CHLORIDE
Sidney G. Osborne, St. Davids, Ontario, Canada, and Aylmer H. Maude, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
Application December 18, 1941, Serial No. 423,446
1 Claim. (Cl. 23—154)



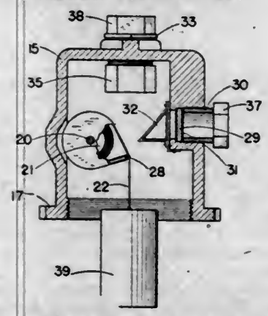
The method of recovering concentrated hydrogen chloride from its anhydrous mixtures with substantial quantities of air to leave in the residual mixture a mean hydrogen chloride content amounting to not more than 4.7 per cent thereof from start to finish of the operation, which comprises forcing the mixture, containing initially not less than 60 per cent hydrogen chloride, through a mass of infusorial earth impregnated with copper sulphate at not substantially above room temperature and at a pressure of not less than 30 pounds per square inch gauge and rate of not more than 2 pounds of hydrogen chloride per hour per cubic foot of mass, until the mass has absorbed hydrogen chloride up to 75 per cent of its ultimate capacity, and subsequently heating the mass to re-evolve concentrated hydrogen chloride therefrom.

2,356,346
DEWAXING PROCESS
John W. Packie, Green Village, John D. Long, Westfield, and Paul W. Cornell, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 9, 1940, Serial No. 328,620
11 Claims. (Cl. 196—18)



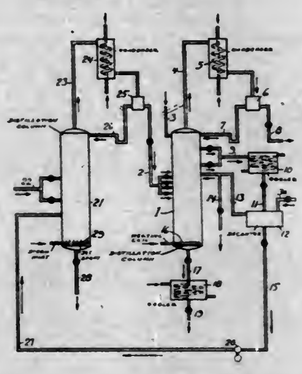
1. A process for the continuous removal of waxy constituents from a wax-containing feed oil comprising adding a dewaxing solvent to the feed oil, chilling the feed to dewaxing temperatures by vaporization of the solvent in a chilling zone, separating the precipitated waxy constituents from the chilled dewaxed oil in a filtering zone, washing the separated waxy constituents in said filtering zone by spraying the same with chilled anhydrous solvent, separately removing the chilled dewaxed oil and the waxy constituents from said filtering zone, treating said oil in an initial stage to separate therefrom anhydrous solvent, treating the oil in a secondary stage utilizing steam to completely remove said solvent, chilling said anhydrous solvent by heat exchange with said chilled dewaxed oil after removal of the oil from the filtering zone, and recycling the same after separation to the separated waxy constituents, introducing said solvent removed from said secondary zone into the feed oil at a point before substantial cooling of the feed oil is attained.

2,356,347
DEVICE FOR MEASURING LIQUID LEVEL IN CONTAINERS
Harrison O. Parsons, Houston, Tex.
Application December 12, 1942, Serial No. 468,758
2 Claims. (Cl. 73—293)



1. An assembly suitable for attachment to a container for determining the liquid level therein comprising in combination a housing arranged to be attached to a container, and provided with a side opening and a top opening, a vertical movable calibrated member therein for measuring vertical distances, transparent means arranged in said housing to prevent the flow of fluid through said side opening, a member arranged in said housing to deflect downwardly light entering said opening, a transparent member arranged adjacent said top opening to prevent the flow of liquids therethrough, and to allow an operator to observe the graduations on said measuring member.

2,356,348
PURIFICATION OF ORGANIC LIQUIDS
John A. Patterson, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 30, 1941, Serial No. 404,598
12 Claims. (Cl. 202—42)

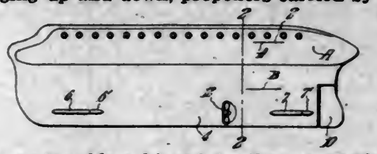


1. The process of purifying an organic liquid selected from the class of alcohols and ketones boiling between 78° F. and 138° F. with which is associated as impurities substantial quantities of water and lesser amounts of low boiling compounds, which comprises distilling the mixture so as to take off in a single fractionating column as overhead low boiling impurities, a distillation residue of relatively pure organic liquid, and an intermediate fraction as a side stream containing almost all of the water in the said original mixture; cooling the side stream material, allowing said material to settle, adding as required an entrainer compound selected from the group consisting of hydrocarbons containing from 8 to 12 carbon atoms in the molecule miscible with the organic liquid but relatively immiscible with water in an amount sufficient to effect the separation of a phase therein containing almost all of the water in the said material, removing this phase from the system and returning the other phase for further treatment.

2,356,349
BOAT
Henry Persson, Bloomfield, N. J., assignor to H. S. P. Marine Inc., Bloomfield, N. J., a corporation of Delaware
Application April 12, 1943, Serial No. 482,685
4 Claims. (Cl. 114—66.5)

1. A ship comprising in combination, a hull, transversely spaced longitudinally extending vertical keels depending thererfom, planes forward and aft of the ship horizontally disposed and carried by the keels having trailing rear portions

hinged to the rear portions of the planes for swinging up and down, propellers carried by the

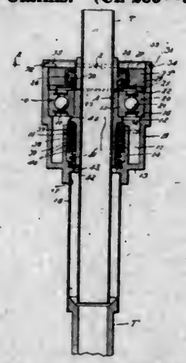


keels, and rudders hinged to the rear ends of said keels.

2,356,350
VITAMINIZING FLUID
Fredus N. Peters, Evanston, and Eldor G. Rupp, Chicago, Ill., assignors to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
No Drawing. Application March 3, 1941, Serial No. 381,542
6 Claims. (Cl. 167—81)

1. A stabilized oil-in-water type emulsified vitaminizing fluid suitable for the fortification of foodstuffs, comprising a fat-soluble vitamin dispersed in an aqueous vehicle, said fluid containing a water-soluble, non-heat-coagulable proteinaceous material consisting of an alcoholic fermentation residue in an amount sufficient to stabilize the emulsion against "breaking."

2,356,351
SWIVEL CONNECTION
Dwight M. Phillips, Fullerton, Calif., assignor to Chiksan Tool Company, Brea, Calif., a corporation of California
Application March 16, 1942, Serial No. 434,877
10 Claims. (Cl. 285—97.3)



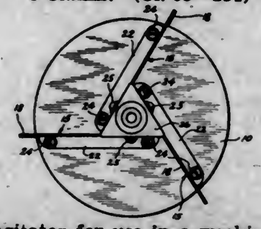
1. A swivel joint to be connected between fluid handling parts comprising a tubular outer section to be connected with one of said parts and having an internal shoulder, a tubular inner section to be connected with the other of said parts and extending into the outer section, an external flange on the inner section, an anti-friction bearing engaged between the sections and having one end engaging against said shoulder and one side of the flange, a ring removably threaded in the outer section and clamping the bearing inwardly against said shoulder and said side of the flange so that the bearing connects the sections for relative rotation and prevents relative axial movement between the sections, sealing means at the other side of said flange, and means for directing fluid pressure against the sealing means to actuate the same and to compress the sealing means against said other side of the flange.

2,356,352
FUSE CONSTRUCTION
Ralph R. Pittman, Pine Bluff, Ark.
Application July 19, 1943, Serial No. 495,368
7 Claims. (Cl. 200—115.5)



7. A fused conductor clamp adapted to removably engage a conducting member and to be supported thereby, comprising a clamping member of conducting material, a conductor support of resilient insulating material extending outwardly and downwardly and thence inwardly and downwardly in spaced relationship with said clamping member, means fastening only the upper end of said conductor support to said clamping member, a fuse link extending downwardly from said clamping member, means fastening only the upper end of said fuse link to said clamping member, a terminal carried by the unfastened end of said conductor support for attaching thereto a downwardly extending conductor, and means for attaching the lower and unfastened end of said fuse link to the unfastened end of said conductor support while the latter is resiliently deformed whereby said fuse link is tensioned.

2,356,353
AGITATOR CONSTRUCTION
Floyd L. Rocke, Bloomington, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application February 20, 1942, Serial No. 431,619
3 Claims. (Cl. 68—134)



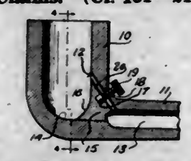
1. An agitator for use in a washing machine, comprising a stamped sheet metal circular base member, a plurality of stamped sheet metal vanes each including auxiliary extensions for the full height of the vane, said vanes being mounted on and in non-radial relation to the base in upright position and in angular relation to each other so as to dispose the outer vertical edge of the auxiliary extension of each vane in abutting relation to the next adjacent vane, thereby defining the operating areas of the vanes, said auxiliary extensions thus serving to form a tubular duct, registering with an aperture in the base, for accommodating a vertical drive shaft therein, and a resilient gasket encasing said outer edge of each of said auxiliary extensions.

2,356,354
METHOD OF COATING FABRIC
Ernest A. Rodman, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 26, 1940, Serial No. 362,958
1 Claim. (Cl. 117—68.5)



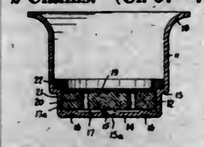
A method of preparing waterproof adhesive tape which comprises mixing 1 part of cellulose acetate with 1½ parts of plasticizer and subjecting the mass to a kneading action until homogeneous, adding thereafter 3 parts of pigment and continuing the mixing at a temperature of about 70° C. and thereafter adding about 2% of oleic acid, transferring the mixture to calender rolls, heating to a temperature of about 100° C., and thereafter calendering the said mass on a thin sheeting in amount of about 1½ ounces per square yard and thereafter applying a rubber pressure sensitive adhesive mass to the opposite side of the said sheet.

2,356,355
TOBACCO PIPE
Robert E. Sadtler, Ridley Park, Pa.
Application January 4, 1944, Serial No. 516,903
8 Claims. (Cl. 131—216)



1. A smoking pipe having a bowl member and tubular stem member, said bowl member having a tobacco holding cavity and said stem member having a bore, a passageway between the cavity and bore, means within the passageway having one part thereof constituting a portion of the wall of the cavity and adapted to be moved to provide the mouths of openings at different levels to permit smoke to pass from the cavity to the bore whereby smoke can be drawn in by-passing relation with an unburning portion of the tobacco in said bowl and means for moving the first named means.

2,356,356
HOLDER OR CUP FOR CATALYTIC LIGHTERS
George Philip Schmitt, New York, N. Y.
Application March 1, 1943, Serial No. 477,580
In Mexico March 19, 1942
2 Claims. (Cl. 67—7)

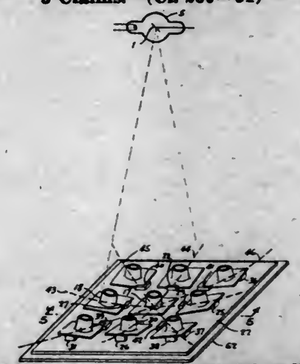


1. In a catalytic lighter of the flameless type, a cup, a catalyst disk in said cup, said cup having an opening in its bottom and a raised wall surrounding said opening, said bottom having raised portions in spaced relation to each other and spaced laterally from said raised wall, said catalyst being seated upon said raised wall and said raised portions whereby said catalyst may be supported above the unraised portion of said bottom whereby communication between said opening and the spaces between said catalyst and the unraised portion of said bottom may be provided for the passage of vaporizable fuel to said catalyst.

2,356,357
TREATMENT OF HYDROCARBON FRACTIONS
Carleton H. Schlesman, Camden, and John H. McCracken, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application April 24, 1943, Serial No. 484,482
3 Claims. (Cl. 196—39)

1. A process for treating gasoline containing olefins and aromatics to improve the anti-knock value and decrease the olefin content thereof which comprises contacting said gasoline with a catalyst selected from the group consisting of hydrogen fluoride and boron trifluoride at a temperature of about 300° to about 500° F., removing the catalyst from contact with said gasoline and distilling the treated gasoline to obtain a product of substantially the same boiling range as the original gasoline but having a reduced olefin content, increased aromatic content and substantially improved anti-knock rating.

2,356,358
MEANS AND METHOD FOR MAKING INDUSTRIAL RADIOGRAPHS
Justin G. Schneeman, Los Angeles, Calif.
Application March 27, 1943, Serial No. 480,867
3 Claims. (Cl. 250—51)

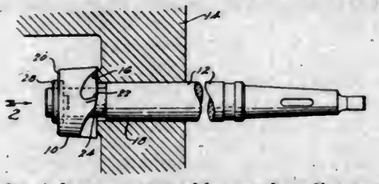


1. A fixture for use in industrial radiography, comprising: a base of X-ray-transparent material, and a plurality of X-ray-transparent supporting members attached to the upper surface thereof, at least a portion of said members of such heights that the objects supported thereby will vary in their relative orientation substantially according to the direction of the incident X-rays.

2,356,359
FACING TOOL
Donaldson Seiter, Detroit, Mich., assignor to Tungsten Carbide Tool Company, Detroit, Mich.
Application July 26, 1943, Serial No. 496,157
4 Claims. (Cl. 90—11)

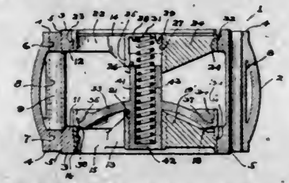
1. A back spotfacer assembly comprising a rotary cutter body having an axial opening there-

through, a drive recess formed in the front face of said body, a holder extending through said opening and projecting beyond the front face of said body, a non-radial surface formed on said holder and adapted to be positioned adjacent



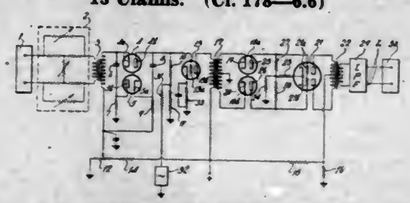
said front face, a removable member disposed to partially embrace said holder adjacent said front face and having integral portions co-operative with said recess and said surface to provide a driving connection between said cutter body and said holder.

2,356,360
VALVE CONSTRUCTION
Michael Smolensky, Cleveland, Ohio
Application February 6, 1942, Serial No. 429,707
3 Claims. (Cl. 251—144)



1. An article of the character described having in combination a body member providing side walls of substantially even thickness throughout and of outwardly bowed shape and having end walls provided with large central openings and marginal areas around said openings shaped to connect with pipe flanges of predetermined size, having bolt openings at spaced intervals through said end walls, said openings being connected in pairs by hollow cylindrical members within said body member to receive the assembly bolts and spaced from the side walls of the body member to permit free fluid circulation around the same, and to provide strength for the end walls, an independent spider unit frictionally engaged with each end wall of said body member, and means centrally of each spider unit for operatively supporting a valve plug.

2,356,361
FACSIMILE TRANSMISSION SYSTEM AND THE LIKE
Robert M. Sprague, Great Neck, N. Y., assignor to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware
Application December 30, 1941, Serial No. 424,946
13 Claims. (Cl. 178—6.6)



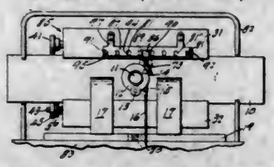
1. In a facsimile transmission system, a facsimile device having facsimile scanning means for producing a signal representing one range of shade values of a subject to be transmitted, another signal source independent of said device and scanning means representing a different range of shade values of said subject, the levels of said signals being adjusted so that one is many times higher than the other, a power limiter device, and means to impress said signals on said limiter device with such a level difference that when both signals are impressed substantially only the higher level signals appear in the output thereof.

2,356,362
METHOD OF PACKING SHEETS OF PAPER
Mauritz Oscar Strandberg, Enskede, Sweden, assignor to Pappercentralen I Stockholm A. B., Stockholm, Sweden
Application September 23, 1941, Serial No. 412,032
In Sweden September 24, 1940
2 Claims. (Cl. 206—57)



1. In a method of packing sheets of paper, which are particularly intended as toilet paper, folding superimposed rectangular sheets along a transverse folding line situated at a distance from one end of the sheet which is considerably less than half the length of the sheet, placing the folded sheets on one another with the folded portion alternately at one end and the other of the packet, the folded portion of alternate sheets being located at opposite sides of the unfolded portion of the intervening sheet the longer portions lying on the shorter portions of the adjacent sheet and the maximum thickness of each folded sheet not exceeding twice the thickness of the material of the sheet, the packet thus obtained being packed in a suitable way.

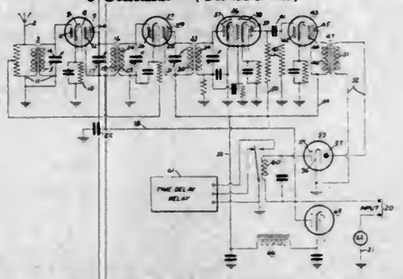
2,356,363
CAMERA
William C. Thompson, Oakland, Calif.
Application May 10, 1943, Serial No. 486,439
10 Claims. (Cl. 95—37)



1. A camera including a housing having film supporting and transporting means, a lens board of greater length than said housing and slidably mounted in the front of said housing for relative horizontal adjustment, a lens and shutter combination mounted in said lens board and a light chamber centered with said lens and projecting rearwardly to the focal plane of said lens, and locking means for retaining said shutter inoperative following operation thereof and means for releasing said shutter for operation when said lens board and housing are relatively adjusted in one direction, and functioning as positive stop means for said lens board and

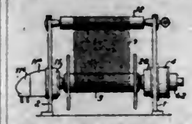
housing against relative adjustment in the other direction; said film transporting means including a manually rotatable member, locking means including a cam having a recess and mounted on said lens board and a pivoted cam including a latch member and mounted on said housing and cooperatively related to and actuated by said cam during the terminal movement of said housing relative to said lens board to interlock the lens board and housing against relative movement through engagement of said latch member in said recess, and actuated by depression and rotation of said manually rotatable member through engagement with and operation of said pivoted cam to release said latch member from said recess as the film is transported by said manually rotatable member to a new position at right angles to the direction of adjustment between said housing and said lens board.

2,356,364
RADIO REMOTE CONTROL RECEIVER
Reuben S. Tice, Monterey, Calif.
Application November 13, 1942, Serial No. 465,465
6 Claims. (Cl. 250—2)



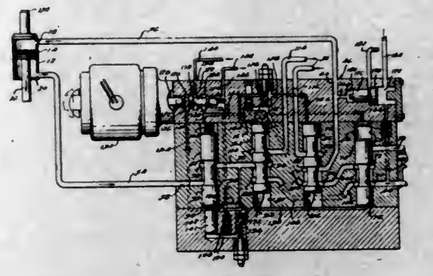
1. A radio receiver controllable in accordance with the transmission from a radio transmitter, a radio-frequency responsive tube, means for energizing said tube with a radio-frequency signal transmitted by said transmitter, a local source of relatively low control frequency oscillations connected to modulate the output of said radio-frequency responsive tube, a radio-frequency amplifier tube responsive to the received radio-frequency signal frequency only, means for detecting and amplifying at control signal frequency the output of said radio-frequency amplifier tube, a trigger tube having an output electrode and a firing electrode, means for applying said control signal directly to said output electrode, and means for applying said rectified and amplified control signal to said firing electrode.

2,356,365
WARPING MACHINE
Georg Wiggermann, Gladbach-Rheydt, Germany; vested in the Alien Property Custodian
Application January 4, 1941, Serial No. 373,136
In Germany June 5, 1939
26 Claims. (Cl. 28—36)



1. In a warping apparatus, coaxially journalled shaft and countershaft means having means thereon for centering a warp beam between them to their common axis and for forming a positive driving connection between the shaft and the warp beam, a fluid operated motor drivingly connected to said shaft, means for regulating the speed of said motor to maintain a constant peripheral speed of the warp mass, fluid operated braking means coaxial with said shaft for stopping the beam, a common control means for said brake and said motor adapted to cause the brake to be applied when the motor is cut off, a stop motion device, and means controlled thereby to operate said common control means to stop the motor and apply the brake.

2,356,366
POWER TRANSMISSION
Harry L. Wise, Detroit, Mich., assignor to Hydraulic Machinery, Inc., Detroit, Mich., a corporation of Michigan
Application December 4, 1942, Serial No. 467,834
9 Claims. (Cl. 121—38)



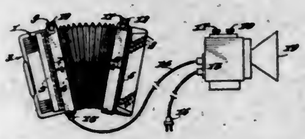
9. A control panel for use in a fluid power transmission system for driving a reciprocating fluid motor at a low pressure and at a higher pressure comprising a housing having a plurality of valves therein, electrically responsive pilot means to shift certain of said valves to admit low pressure fluid from one source, pilot means responsive to a predetermined pressure value of the low pressure fluid to shift certain of said valves so as to admit higher pressure fluid from another source, and pilot means actuated in response to a predetermined pressure in the higher fluid pressure source to shift said first named pilot means to another position to thereby shift certain of said valves to cut off flow from said another source and to admit fluid from said one source.

2,356,367
HIGH TEMPERATURE LUBRICANT
Donald L. Wright, Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application November 22, 1940, Serial No. 366,714
14 Claims. (Cl. 252—29)

6. A high temperature lubricant for use at temperatures above about 400° F., comprising a major proportion of a volatile solvent having a final boiling point below 750° F. and capable of evaporating at said high temperatures without leaving an undesirable residue, said lubricant also containing a sufficient amount of thickener comprising essentially a saturated linear aliphatic polymer having a molecular weight above about 800, soluble in said solvent and capable of decomposing at said high temperatures without leaving any substantial harmful residue, to make a solution having a viscosity of

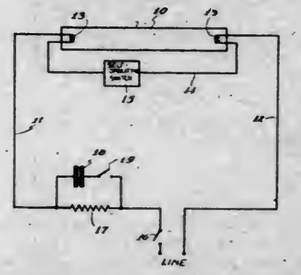
at least 100 seconds Saybolt at 100° F. the product of the per cent of polymer times the molecular weight of the polymer being at least 100,000, and also containing a small amount of a comminuted, non-abrasive solid lubricant which is non-combustible at temperatures up to about 2500° F.

2,356,368
MUSICAL INSTRUMENT
Dominick Zaccagnino, Newark, N. J.
Application August 11, 1943, Serial No. 498,165
1 Claim. (Cl. 84—376)



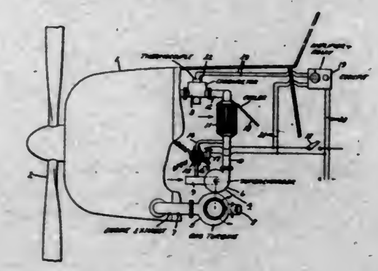
In an accordion having at least one bank of reeds on each side, a pair of elongated microphones substantially corresponding in length to the height of the accordion and mounted therein, one in each side thereof, an extensible coiled wire conductor operatively interconnecting said microphone, a volume control unit operatively connected to each said microphone, an amplifier control unit, a loud speaker, a source of electrical energy and wire conductors inter-connecting said microphones and said volume control units with said amplifier control unit, said loudspeaker and said source of electrical energy.

2,356,369
GASEOUS DISCHARGE TUBE CIRCUIT
David W. Abernathy, Chicago, Ill., assignor to Products Development, Inc., Chicago, Ill., a corporation of Illinois
Application December 8, 1941, Serial No. 422,060
3 Claims. (Cl. 315—227)



1. In combination in a fluorescent lighting circuit, a fluorescent lighting tube having independent thermionic filament means at opposite ends operative when electrically heated to provide localized ionization of the gas filling the tube, an alternating current source having one lead connected to the filament means at one end of the tube alone and the other lead connected to the filament means at the other end of the tube alone so as to enable A. C. line voltage to be impressed through the tube for activating the fluorescent coating within the tube, a branch circuit in parallel to the discharge path of the tube and connecting said filament means, an automatically operating switch device in said branch circuit responsive to energization by said source to break the branch circuit after a predetermined interval of operation long enough to permit pre-ignition heating of the filament means, a resistor in one of said leads capable per se of serving as the entire overload-preventing device for running operation of the lighting circuit without the use of a conventional reactance ballast, and a condenser connected in parallel to said resistor in said one lead and of such capacity that it requires more than one half cycle to discharge following automatic opening of said switch device so that in the second half cycle following such opening the discharge voltage of the condenser will be additive to the line voltage as a result of coincidence of polarity and the combined voltages will temporarily attain to the ignition voltage of the tube to cause the arc to be struck therein between the filament means, the relationship of elements being such that after being struck as aforesaid the arc is maintained by the line voltage through said lighting circuit as limited by the resistor.

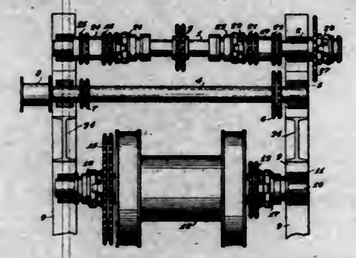
2,356,370
DEICER FOR SUPERCHARGED AIRCRAFT CARBURETOR
Wayne H. Allen, Los Angeles, Calif., assignor to General Electric Company, a corporation of New York
Application February 2, 1942, Serial No. 429,227
3 Claims. (Cl. 123—122)



3. In an aircraft, the combination of an engine, a carburetor for the engine, a supercharger for supplying air to the carburetor, a by-pass connecting the discharge side of the supercharger to the inlet side thereof, a normally closed valve in said by-pass, and automatic means controlled by the temperature of the carburetor for positioning said valve to effect circulation of air through the supercharger whereby additional heat may be imparted by the supercharger to the air passing through it.

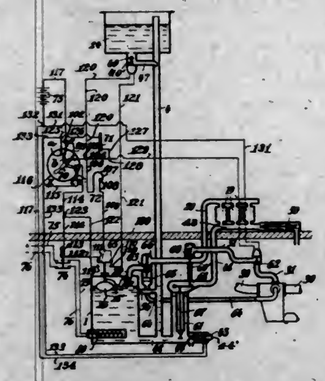
2,356,371
DRAW WORKS
Carl M. Anderson, Corsicana, Tex., assignor to American Well & Prospecting Company, Corsicana, Tex.
Original application April 26, 1940, Serial No. 331,703, now Patent No. 2,303,071, dated November 24, 1942. Divided and this application October 17, 1941, Serial No. 415,471
5 Claims. (Cl. 254—187)

1. A draw works of the character described including a supporting frame, a drive shaft, a line shaft and a drum shaft mounted rotatably thereon, a hoisting drum fixed to said drum shaft, a sprocket wheel mounted idly at each end of said reel, means to clutch either of said sprocket wheels to said drum shaft, a sprocket wheel fixed at each end of said line shaft, a sprocket sleeve at each end of said drive shaft mounted rotatably thereon, means to clutch said sleeves



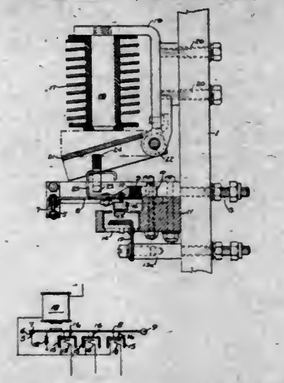
to rotate with said shaft, sprocket wheel and chain connections between each of said sleeves and said line shaft sprockets and also between said sleeves and said drum shaft sprocket wheels, and means to rotate said drive shaft.

2,356,372
STEAM-HEATING PLANT
Hans Appel, Prague, Czechoslovakia; vested in the Alien Property Custodian
Application March 1, 1941, Serial No. 381,240
In Bohemia-Moravia February 16, 1940
7 Claims. (Cl. 237—6)



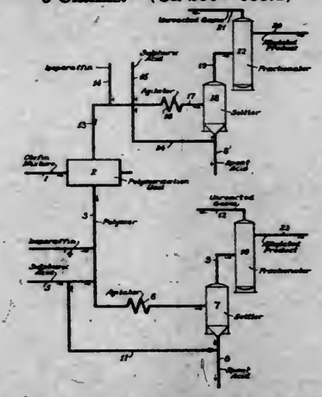
1. A heating system for a vehicle comprising, in combination, a low pressure steam boiler mounted on the vehicle and comprising an automatic pressure control means connected to and maintaining a predetermined low pressure in the boiler, a low pressure steam main connected with the steam space of said boiler, a plurality of radiators connected for steam flow with said steam main, a high pressure steam conduit receiving high pressure steam from a source outside of the vehicle, a connecting conduit connecting said low pressure steam main and said high pressure steam conduit, a throttle means in said connecting conduit, a collecting conduit connected with said radiators and with said boiler and providing a continuously open passage between said radiators and said boiler, and temperature responsive means connected with said collecting conduit and with said throttle means and being responsive to the temperature of the medium in said collecting conduit and operating said throttle means in accordance with the temperature of the medium discharged by said radiators.

2,356,373
OVERLOAD RELAY
Martin E. Berman, Franklin, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application October 2, 1940, Serial No. 359,318
7 Claims. (Cl. 175—294)



1. An overload relay comprising, a stationary contact, a pivoted contact arm adapted to engage said stationary contact to close an electrical circuit, a pair of insulating buttons secured to said arm, a bimetallic element supporting each of said buttons adapted when heated to turn said pivoted arm and open said circuits, an element for heating each of said bimetallic elements and electromagnetic means for instantaneously moving said arm away from said stationary contact.

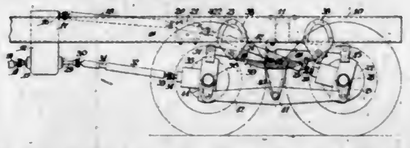
2,356,374
ALKYLATION
Arthur L. Blount, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application June 20, 1939, Serial No. 280,120
6 Claims. (Cl. 260—683.4)



1. A process for the production of alkylated hydrocarbons from a mixture of normally gaseous olefin hydrocarbons having different molecular weights which comprises subjecting said mixture of olefin hydrocarbons to conditions of polymerization adapted to polymerize substantially all of the olefin hydrocarbons of one molecular weight contained in said mixture without substantially polymerizing the olefin hydrocarbons of a different molecular weight and thereby selectively

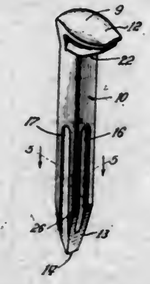
polymerizing said olefin hydrocarbons of said one molecular weight, separating said polymerized olefin hydrocarbons from the unpolymerized olefin hydrocarbons and separately alkylating said polymerized and unpolymerized olefin hydrocarbons with an isoparaffin in the presence of an alkylating catalyst at different optimum temperatures adapted to produce the greatest yield of alkylated hydrocarbons from said polymerized and unpolymerized olefin hydrocarbons.

2,356,375
AUTOMOTIVE VEHICLE
Paul T. Brantingham, Fort Wayne, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application May 27, 1942, Serial No. 444,717
10 Claims. (Cl. 180—22)



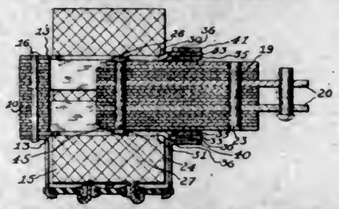
1. In combination, a vehicle frame structure, transversely spaced longitudinally extending beams pivotally secured at their mid-points to the frame structure, transversely extending axle structures pivotally secured adjacent their ends to said beams, a stabilizing linkage including links spaced vertically from the beams, said linkage being connected to the axle structures and to the frame structure, one of said links having one end pivotally connected to the frame structure, said end being provided with a vertically extending arm to which the other link is pivotally connected, a pinion shaft projecting from one of said axle structures, a propeller shaft carried by the frame structure, a second propeller shaft connected by universal joints to said first-mentioned propeller shaft and to said pinion shaft, and means included in said linkage to tilt said one axle structure about a transverse axis upon vertical movement of another of said axle structures relative to the frame and in an angular direction effective to maintain the second propeller shaft in substantial alinement with the pinion shaft.

2,356,376
TRACK SPIKE
Maurice H. Brown, Jr., Anaconda, Mont.
Application April 24, 1942, Serial No. 440,317
2 Claims. (Cl. 85—19)



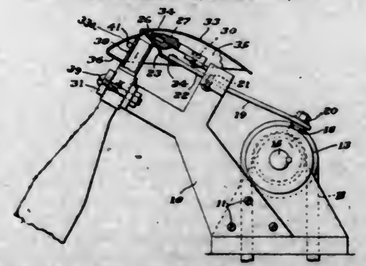
1. A track spike comprising a shank, a hook head disposed at one end of said shank, a chisel edge disposed at the other end of said shank, and grooves extending lengthwise of said shank, said grooves being open ended adjacently to the chisel edge and terminating in closed ends approximately midway the spike length, the edges of said closed ends being fairly sharp, whereby the closed ends of the grooves will perform a shearing and fiber packing function during the latter stages of the spike's being driven into wood.

2,356,377
SOLENOID
Myron W. Bowen, Niles, Mich., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application November 6, 1942, Serial No. 464,931
1 Claim. (Cl. 175—341)



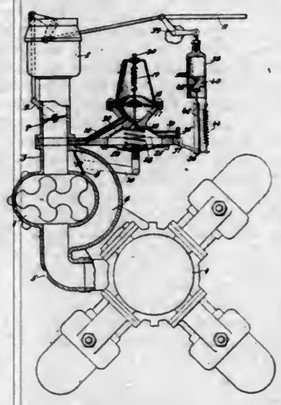
In a solenoid structure, an armature, a guide surrounding said armature and having a slot provided therein and said guide formed to allow sliding movement of said armature in said guide, a winding surrounding said guide, a projection on said armature extending from the side thereof into said slot but not through said slot and positioned to slide in said slot on movement of said armature in said guide, an offset portion of said guide near the end thereof offset in a direction outwardly from said armature, and a stop member inserted under said offset portion and positioned to act as a stop for limiting the sliding movement of said armature by contact of said projecting portion with said stop member.

2,356,378
CUTTING DEVICE
Vincent Capolupo, Boston, Mass.
Application July 27, 1943, Serial No. 496,331
9 Claims. (Cl. 26—7)



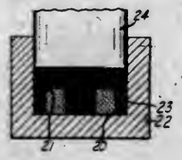
1. A device for cutting loose threads or the like from cloth or other articles in combination with a conduit adapted to be connected to suction creating means, said device comprising cutting means adjacent an opening in said conduit, instrumentalities to actuate said cutting means, a guide over which said cloth is adapted to run the front portion of which is at a lower level than the rear portion, said rear portion having an opening therein directly above the cutting edges of said cutting means and terminating where said front portion commences, and means to support said cutting means, instrumentalities and guide.

2,356,379
ENGINE BLOWER CONTROL
Darl F. Caris, Dearborn, and Archie D. McDuffie, Berkeley, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 19, 1943, Serial No. 487,670
6 Claims. (Cl. 123—119)



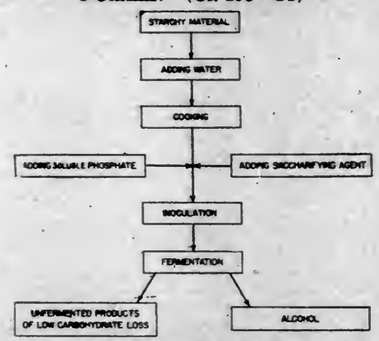
1. In combination, an internal combustion engine, a blower with an inlet and an outlet for supplying air to the engine, a throttle valve in the inlet to the blower, a bypass passage from the outlet to the inlet side of the blower at a point between the throttle valve and the blower, a bypass valve in the bypass passage, spring means tending to hold said bypass valve closed, a chamber communicating with the blower inlet between the throttle valve and the blower, a second chamber, a valve controlling communication between said first and second chambers, means responsive to the depression in said first chamber for opening said valve, and means responsive to the depression in said second chamber for opening said bypass valve.

2,356,380
METHOD OF MOLD MANUFACTURE
Robert G. Chollar, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application August 28, 1941, Serial No. 408,569
2 Claims. (Cl. 18—47.5)



1. The method of making a one-piece mold for reproducing parts originally made of metal in a plastic material, comprising the steps of molding thermo-setting material around one of the original metal parts; and then dissolving the original part with a suitable solvent to provide a mold of thermo-setting material for use in reproducing said parts in plastic material.

2,356,381
PROCESS OF RETARDING THE DECOMPOSITION OF UNFERMENTED MATTER DURING FERMENTATION
Leo M. Christensen, Moscow, Idaho, assignor to National Agrol Company, Inc., New York, N. Y., a corporation of Delaware
Application October 2, 1940, Serial No. 359,434
8 Claims. (Cl. 195—14)



1. In the alcoholic fermentation of starchy materials, a process for increasing the percentage of recovery of the carbohydrates remaining at the completion of a process of alcoholic fermentation without decreasing the percentage of alcoholic yield comprising cooking the said starchy material to form a mash, adding an enzymatic saccharifying agent and a water soluble phosphate in the proportions of from 0.01 to 0.05 gram of phosphate to 100 c. c. of mash, to prevent the subsequent formation of carbohydrates subject to decomposition, said phosphate being added to the mash not later than the said saccharifying agent, fermenting the resulting mixture, and then recovering the residual carbohydrates after the fermentation has been completed.

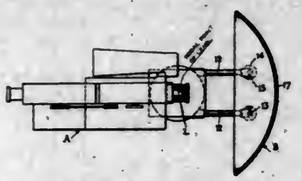
2,356,382
PROCESS FOR THE PURIFICATION OF PHOSPHATIDES
Aage Christiansen, Russhov, near Aarhus, Denmark; vested in the Alien Property Custodian
No Drawing. Application March 6, 1940, Serial No. 322,481. In Denmark April 11, 1939
2 Claims. (Cl. 260—403)

1. A process for producing pure phosphatide from a raw phosphatide containing about 40% of pure phosphatide, water and impurities, said process comprising the steps of mixing the raw phosphatide with about 10% of ethyl alcohol, heating the mixture to a temperature between 60° C. and 70° C. until it melts, centrifuging the molten mixture to separate it into a lighter liquid layer containing most of the water, most of the impurities and a small quantity of alcohol and a heavier liquid layer consisting of purified phosphatide, some water and the main part of the alcohol added, and extracting the pure phosphatide from said heavier liquid layer.

2,356,383
MEANS FOR MAKING COMPOSITE PICTURES
Charles Galloway Clarke, Palms, Calif., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application August 23, 1941, Serial No. 408,104
2 Claims. (Cl. 88—16)

1. For use in photography a support for a camera, means for rotatably mounting a camera

upon said support so that the camera rotates substantially on the nodal point of the camera lens, a bracket rigidly mounted on said support,

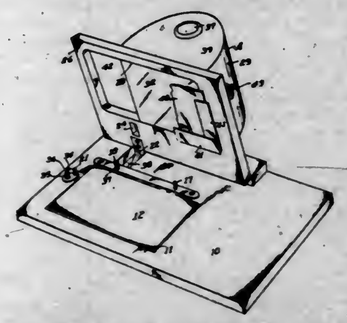


said bracket being curved to fit a circumference having its center at the nodal point of the camera lens, and means for mounting a transparency in said bracket.

2,356,384
TREATMENT OF RESIN OILS AND RESIN PRODUCT RESULTING THEREFROM
Edwin Louis Cline, Philadelphia, Pa., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application February 11, 1941, Serial No. 378,446
9 Claims. (Cl. 260—80)

1. A process which comprises heating an indene-styrene homolog fraction derived by fractional distillation of a resin oil from a natural source, in which fraction indene comprises about 25% to 80% of the polymerizable constituents, styrene homologs comprise about 20% to 75% of the polymerizable constituents, and indene and homologs of styrene together comprise at least 80% of the polymerizable constituents, to effect partial heat polymerization of polymerizable constituents in the fraction until the unpolymerized indene content of the fraction rises to about 70% to 85% of the polymerizable bodies which have not undergone polymerization, distilling the partially polymerized fraction to separate as residue the heat polymer thus formed, and subjecting the distillate oil containing polymerizable bodies to catalytic polymerization with a clay catalyst.

2,356,385
PHOTOPRINTING DEVICE
Hal Cooley, Portland, Oreg.
Application August 3, 1942, Serial No. 453,476
4 Claims. (Cl. 88—24)

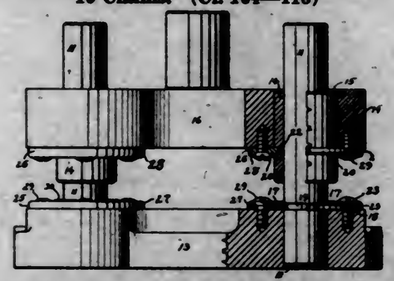


4. In an identification card printing device, a base, a cutout portion in said base, a frame hinged to said base, a guiding stop in said base for one edge of the identification card, said stop comprising a flat, adjustably-mounted support parallel to the base, a pin slidable in said support substantially perpendicular thereto, and a spring holding said pin normally in raised position but permitting said pin to be lowered when said pin is engaged by said hinged frame, a second guiding stop in said base for another edge of the identification card, said second stop including a slidable member substantially perpendicular to said base, a spring normally holding said member in lowered position, a notch in said member adapted to engage the adjacent edge of said card and to exert a mild clamping action thereon when said member is lowered after the card edge is inserted in said slot, an arm attached to said frame engaging the lower end of said member, whereby when said frame is raised said member will be pushed upward and when said frame is lowered said member will be permitted to be drawn down by said spring to clamp the card edge, said frame enclosing an area corresponding to the space on the identification card to be printed, a housing supported on said frame extending over a portion of said area within said frame, a light located within said housing, the remaining portion of said area within said frame adjacent said housing left uncovered, whereby a photo projector may be used for printing in said uncovered area while a negative attached below said housing can be used for printing the remaining area.

2,356,386
STRUCTURAL MEMBER
Jacques Couëlle, Marseille, France; vested in the Alien Property Custodian
Application February 26, 1942, Serial No. 432,392
In France May 19, 1941
15 Claims. (Cl. 72—59)

1. The method of making a load supporting member which comprises casting said member of a self-hardening material and separating said member into a plurality of transverse sections by incorporating in the cast member section separating means, said means having irregularities therein arranged to provide in the meeting faces of said sections complementary configurations which prevent slippage of one section past the other.

2,356,387
PIN AND BUSHING LOCK FOR DIE SETS
Fred C. Danneman, New York, N. Y.
Application December 28, 1942, Serial No. 470,333
16 Claims. (Cl. 164—118)

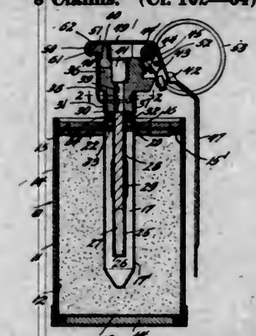


1. In a machine element comprising coacting parts relatively guided by a cylinder mounted in a bore of one of said parts, a lock for allocating said cylinder in said bore on said one part in an axial direction and having a plurality of sectors directly screwed onto said part and each engaged between the sides of a groove encircling said cylinder.

2,356,388
PLASTICIZERS FOR RUBBER
Russell T. Dean, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 23, 1942, Serial No. 452,057
8 Claims. (Cl. 260—761)

1. A process of increasing the plasticity of rubber which comprises milling unvulcanized rubber in the presence of a small amount of a condensation product of formaldehyde with a substance selected from the group consisting of piperidine and morpholine, and hydrogen sulfide, said product containing the grouping $=N—CH_2—X$, where X is a member of the class consisting of —SH and $—(S—CH_2)_n—N=$ where n is a whole number less than 4 for a time sufficient to effect an increase in the plasticity of the rubber over that which it would have if subjected to the same conditions in the absence of said condensation product.

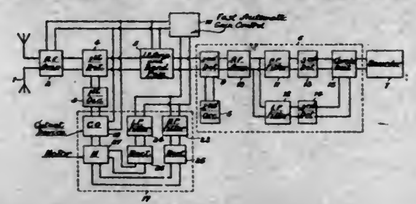
2,356,389
DEMOLITION GRENADE
Josef B. Decker and Max Eichschmidt, Elkton, Md., assignors to Triumph Explosives, Inc., Elkton, Md., a corporation of Maryland
Application April 8, 1941, Serial No. 387,537
8 Claims. (Cl. 102—64)



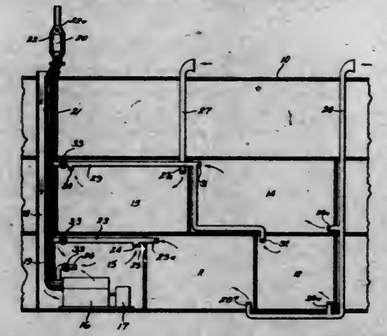
1. An offensive grenade including in combination a body containing an explosive charge, a fuse tube secured in said body, a bouchon assembly including a head adapted to set over said tube, a percussion cap, a striker and a release handle mounted on said head, said handle being adapted to be thrown off by said striker when released, and means forming the sole retaining connection between said head and tube, said means being secured to the head by said handle and freed when the said handle is thrown from the head.

2,356,390
WAVE LENGTH MODULATION SYSTEM
James Leslie Finch, East Rockaway, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 25, 1941, Serial No. 390,228
13 Claims. (Cl. 250—8)

1. The method of maintaining a receiver of wave length modulated signals, comprising carrier energy the frequency of which is keyed alternately from a first frequency to a second frequency and vice versa, and the side bands produced by said keying, tuned to the said signals which includes these steps, receiving the said energy, filtering the received energy to remove therefrom noise components and to select therefrom energy within a band of frequencies including said carrier energy at said first and second frequencies and the upper and lower side bands of the carrier energy in its keyed positions in the frequency spectrum, amplifying the filtered and selected energy including the modulation side frequency power and controlling the tuning of the said receiver substantially only in accordance with the side frequency power.



2,356,391
VENTILATION SYSTEM FOR BOATS
John S. Fluor, Jr., Anaheim, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application July 19, 1943, Serial No. 495,301
14 Claims. (Cl. 114—211)

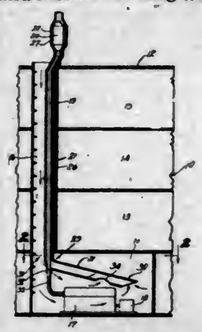


1. In a boat having below its deck a compartment containing an internal combustion engine, an exhaust pipe extending from the engine, and a second separate compartment; a ventilating system comprising a conduit leading from said second compartment, and means creating a flow of air from said second compartment through the conduit by virtue of the exhaust gas discharge through said pipe.

2,356,392
VENTILATION AND EXHAUST PIPE COOLING IN BOATS
Peter E. Fluor, Santa Ana, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application July 19, 1943, Serial No. 495,300
14 Claims. (Cl. 114—211)

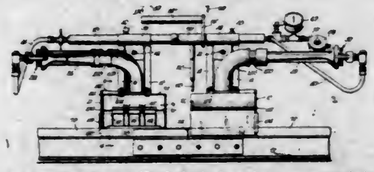
1. In a boat containing a compartment below the boat deck, an internal combustion engine in said compartment, and an air duct leading from

said compartment to the deck; the combination comprising an exhaust pipe extending from the engine, an air discharge conduit leading from said compartment, and means creating a flow of warm



air through said conduit from the compartment atmosphere and a replacement flow of cool air into the compartment through said duct, by virtue of the engine exhaust gas discharge through said pipe.

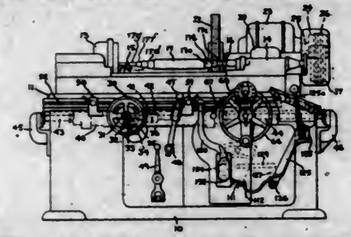
2,356,393
PREHEATER
Royal E. Frickey, San Francisco, Calif.
Application May 23, 1941, Serial No. 394,805
16 Claims. (Cl. 263—9)



1. A portable rail joint heater comprising a frame, a pair of spaced substantially aligned heating units mounted on said frame, means on the lower part of each heating unit for positioning the heating unit on a rail ball, means laterally adjustable connecting each heating unit to the frame whereby each heating unit may properly engage a rail at a rail joint regardless of different canting between the two rails, means for supplying a combustible mixture to said heating units, and means for varying the distance between said heating units whereby the two heating units may be centered over two selected points in the two rail ends forming a rail joint irrespective of the distance of the two points from the tips of the rail ends.

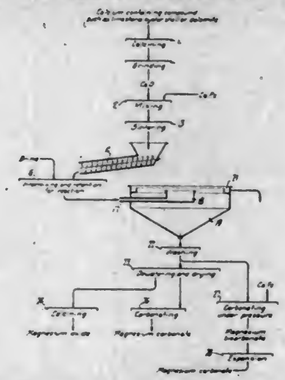
2,356,394
GRINDING MACHINE
John I. Garside, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 15, 1942, Serial No. 469,085
6 Claims. (Cl. 51—72)

1. In a grinding machine having a longitudinally movable work supporting table, a transversely movable grinding wheel slide, a rotatable grinding wheel thereon, means to move said table longitudinally to feed said slide transversely including a plurality of feed stops precisely to locate said grinding wheel successively to grind a plurality of spaced shoulders on a work piece, an adjustable table dog, means including a plurality of table locating plungers cooperating with said dog precisely to locate said table successively in predetermined positions for said shoulder grinding operations, and means including a control lever which is arranged when moved in one direction to actuate said feed stops to facilitate



grinding a predetermined portion of the work piece to a predetermined size and when moved in another direction to actuate said table locating plungers to facilitate location of a predetermined portion of a work piece in operative relation with the grinding wheel.

2,356,395
PROCESS FOR MANUFACTURE OF MAGNESIUM PRODUCTS
Gunter H. Gloss, Belmont, and Robert E. Clarke, Palo Alto, Calif., assignors to Marine Magnesium Products Corporation, San Francisco, Calif., a corporation of Delaware
Application June 7, 1941, Serial No. 397,072
5 Claims. (Cl. 23—67)

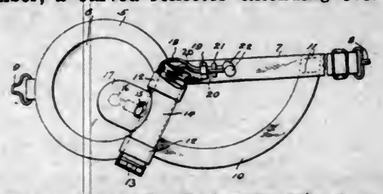


5. In a process of the character described, precipitating a fast settling magnesium hydroxide from sea water by contacting the sea water with a precipitating material comprising calcium oxide sintered with a fluoride, recovering a precipitate including magnesium hydroxide and residual fluoride of the precipitating material, carbonating said precipitate to form magnesium bicarbonate and separating the bicarbonate from the fluoride.

2,356,396
SIGNAL DEVICE
Frank Gonsoer, Redding, Calif.
Application August 6, 1941, Serial No. 405,705
1 Claim. (Cl. 177—329)

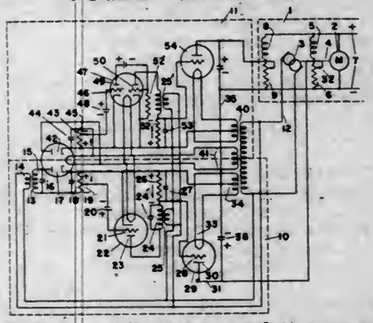
An illuminated hand signalling device, comprising a disk-like body, a reflector of circular formation secured to the outer surface of the body, said body adapted to be secured to the back of the hand, a tubular member secured to the body and extending transversely across one edge

of the body, a pair of spaced loop members disposed adjacent to the ends of the tubular member and in which an electric battery is removably held, a lamp socket extending laterally from the tubular member and being disposed directly over the reflector, a lamp positioned within the socket member, a curved reflector extending over the



socket member and adapted to extend an appreciable distance beyond the lamp positioned in said socket member, straps by means of which said body is secured to the back of the hand, and a manually controlled switch adapted to complete a circuit to said lamp, said switch being secured in position under the thumb of the user.

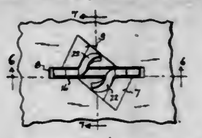
2,356,397
FREQUENCY AND VOLTAGE REGULATOR
William Christian Grabau, Brighton, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application August 6, 1941, Serial No. 405,652
5 Claims. (Cl. 171—119)



1. Voltage and frequency regulating means for a power supply source comprising a motor generator each having independent field windings and field rheostats, independent voltage and frequency regulating circuits each having input elements including rectifier means for rectifying the alternating current impressed upon the input elements of said circuits and gaseous tube control means responsive to the rectified current for controlling respectively the current flowing through said field circuits, the input of said frequency circuit being tuned with normal operating conditions at one side of the resonant peak, and said frequency circuit producing a greater voltage change than said voltage circuit for the same percent variation in frequency as in voltage.

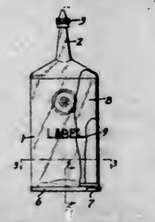
2,356,398
ELECTRICAL SOCKET AND CONTACT FOR THE SAME
Emmet E. Hannigan, La Grange, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application October 10, 1942, Serial No. 461,546
3 Claims. (Cl. 173—328)

1. A contact for pronged tube sockets and the like comprising a thin ribbon-like metal member having a head and stem and laterally offset shoulders between the head and stem, the head portion being bifurcated along the axis thereof to provide spaced longitudinal legs and an intermediate prong-receiving opening, lateral extensions on



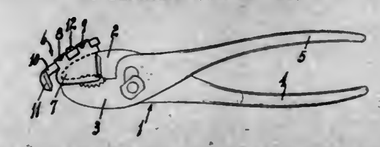
said legs disposed at an angle of less than 45 degrees with reference to the plane of the ribbon-like members adapted to make resilient electrical contact with opposite sides of a prong inserted in said opening.

2,356,399
LABELED CONTAINER
Clarence L. Hansen, San Francisco, Calif., assignor to Tri-Pak Gun Kit, Inc., San Francisco, Calif., a corporation of California
Application October 23, 1940, Serial No. 362,478
1 Claim. (Cl. 40—4)



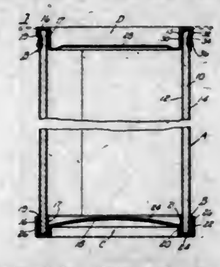
A labeled container comprising a hollow self-sustaining body of transparent material, a strip of resilient transparent material within the container, said strip being substantially coextensive with the inside surface of the side-wall area between the bottom and the top of the container and the strip being spread by its own resilience into substantial conformity with said inside surface over its entire area whereby a substantially uninterrupted finish and uniform appearance is produced throughout the entire side-wall area of the container, and insignia upon the strip, the insignia being visible through the container body and the material within the container being visible through the strip and container body.

2,356,400
BOLT-HOLDING ATTACHMENT FOR PLIERS
Abraham Garfield Hanson, Monrovia, Calif.
Application January 11, 1943, Serial No. 471,935
7 Claims. (Cl. 81—13)



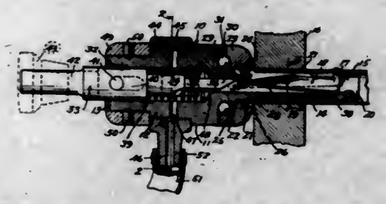
1. In combination with a pair of pliers including a jaw, a bolt-holding attachment comprising a thimble fitted over the end of the jaw, a bolt-engaging finger mounted on the thimble extending outwardly therefrom, releasable means on the thimble engaging the jaw whereby the thimble is held on the jaw, and means adjustably mounting said finger on the thimble.

2,356,401
MOTOR OIL CONTAINER
Alexander G. Hatch, Rutland, Vt., assignor to Fibre Can Machinery Corporation, Rutland, Vt., a corporation
Application December 24, 1941, Serial No. 424,315
1 Claim. (Cl. 229—5.5)



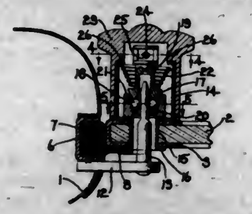
In a container for the packaging of oil, a tubular body member formed of fibrous material and having an oilproof inner surface, a mask completely enclosing and covering the raw end edge of said tubular member, said mask comprising a strip of pliable oilproof sheet material extending completely across said edge and having circumferential portions extending along the inner and outer peripheral faces of said member, the contacting faces of said circumferential portions and said tubular member being bonded together to securely attach said mask to said member and to prevent seepage thereunder and render the end of said member wickproof, and a closure having a peripheral channel provided with inner and outer annular flange portions, the inner flange portion closely fitting within the masked end of said tubular member but otherwise being free thereof and the outer flange portion fitting about said end, and adhesive means for bonding together the inner face of said outer flange portion and the outer face of the outer circumferential portion of said mask to secure the closure in position and prevent oil seepage therebetween.

2,356,402
TUBE CUTOFF TOOL
Charles L. Haynes, Alhambra, Calif., assignor to C. F. Broun & Co., Alhambra, Calif., a corporation of California
Application January 14, 1943, Serial No. 472,418
3 Claims. (Cl. 30—106)



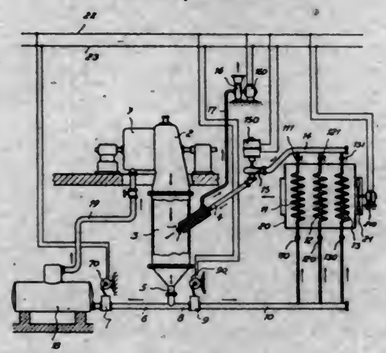
1. An internally operating tube cut-off tool, comprising a cylindrical body, an encircling yoke within which said cylindrical body is held for rotation and against longitudinal movement, a rotatable collar mounted on one end of said body and adapted to bear against a tube sheet, a mandrel formed as a continuation of the body and extending through said rotatable collar to project into a tube to be cut off, said mandrel being formed with a central longitudinal slot, a cutter lever positioned within said longitudinal slot and formed with a blade at one end, said lever being pivotally mounted, whereby the blade may swing laterally to and from cutting positions, a driving spindle mounted within the cylindrical body and having a positive rotatable driving connection therewith while being longitudinally reciprocable therein, and a wedge pin carried by said driving spindle adapted to engage the end of the cutting lever to swing the blade on said lever to a cutting position.

2,356,403
LOCKING DEVICE
William A. Heidman and William A. Heidman, Jr., Grand Rapids, Mich.
Application February 9, 1942, Serial No. 430,064
7 Claims. (Cl. 292—252)



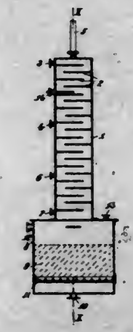
1. A lock of the class described comprising, a pin, a housing having an opening considerably larger than the pin to receive said pin, friction means within said housing to receive and hold said pin, said friction means being movable laterally of the housing whereby to receive the pin and means extending exteriorly of said housing to release said friction means.

2,356,404
CONDENSING SPENT STEAM
László Heller, Budapest, Hungary; vested in the Alien Property Custodian
Application January 29, 1942, Serial No. 428,655
In Hungary November 20, 1940
1 Claim. (Cl. 261—11)



In an apparatus for condensing spent steam, the combination of a casing into which the steam is introduced, provided with a water outlet; a manifold connected with said outlet; a plurality of coils connected with said manifold; a header with which said coils are connected; a cooler through which said coils pass; an injector connected with said header, and having its discharge outlet disposed in said casing, conduits connecting the foregoing elements forming a closed and sealed water circuit from and to said casing; a high pressure pump in said circuit between the casing and the manifold adapted to force the water under high pressure through the manifold, coils and header; and means in said circuit between the header and the injector to reduce the water pressure.

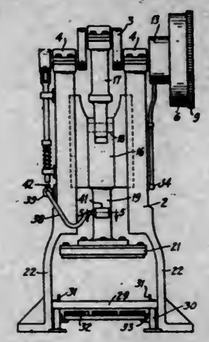
2,356,405
SOFTENING FEED WATER FOR BOILERS
Karl Hermes, Mainz, Germany; vested in the Alien Property Custodian
Application June 28, 1938, Serial No. 216,342
In Germany July 3, 1937
4 Claims. (Cl. 210—16)



1. An apparatus for softening boiler feed water comprising a quadrilateral tower, two series of vertically spaced plates mounted on the inner faces of two of the opposite walls of the tower respectively, and extending between the other two opposite walls, the plates of the two series alternating, and each plate having a free end spaced from the wall opposite the wall on which the plate is mounted, the free ends of the plates of one series overlapping the free ends of the plates of the other series, means to supply the crude water into the tower above the uppermost plate, means to supply the blow-down boiler water into the tower below the point at which the crude water is supplied, and above the lowermost plate, means to supply a chemical softening agent into the tower below the point at which the blow-down boiler water is supplied, and above the lowermost plate, means to supply steam into the tower below the lowermost plate, means above the uppermost plate to evacuate gases from the tower, means below the lowermost plate to evacuate water from the tower, and a filter connected with the water evacuation means.

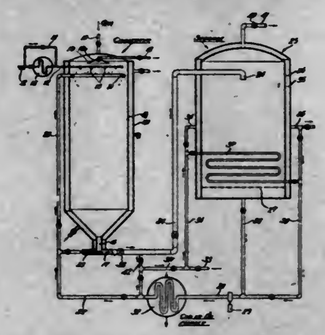
2,356,406
TILE CUTTING MACHINE
William A. Hislop, Richmond, Calif.
Application March 9, 1942, Serial No. 434,020
1 Claim. (Cl. 25—105)

A tile cutting machine comprising a base plate for supporting a sheet of tile-forming material, a head, a die carried by said head and having a cavity only a portion of which is filled by the tile being cut, means for forcing the head and base plate toward each other to cut the tile, means including a valve for introducing air under pressure into that part of the cavity left unfilled by the tile and for connecting such cavity part with the open air, and means timed with the relative movement between head and base plate for operating the valve to permit air to flow from the cavity to a vent open to the atmosphere



during cutting of the tile and air under pressure to flow into the cavity to eject the tile after cutting of the tile.

2,356,407
SYSTEM FOR FORMING AND STORING HYDROCARBON HYDRATES
Arthur J. L. Hutchinson, Los Angeles, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application August 15, 1941, Serial No. 407,036
18 Claims. (Cl. 260—676)



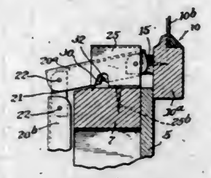
18. The process of developing hydrocarbon gas under high pressure that includes, converting relatively low pressure normally gaseous hydrate-forming hydrocarbons into their solid hydrates within a hydrate-forming zone, transferring the resulting hydrates into a second zone in a stream of carrier liquid, and heating and dissociating the hydrates in said second zone to release the hydrocarbons at a pressure higher than the pressure of the hydrocarbons before their conversion to hydrates.

2,356,408
HARD WAX SUBSTITUTE
Maurice J. Kelley, Philadelphia, Pa., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application June 17, 1941, Serial No. 398,410
2 Claims. (Cl. 106—287)

1. Hard wax substitutes containing major portions of alkylolamides of the fatty acid radicals

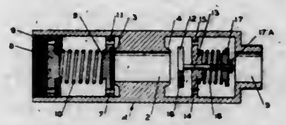
occurring in hydrogenated castor oil having an iodine number of 11 or less and consisting principally of the alkylolamides of hydroxy stearic acid, together with minor portions of glycerine.

2,356,409
WINDOW CONSTRUCTION
Walter W. Keusder, Los Angeles, Calif.
Application April 17, 1943, Serial No. 483,381
2 Claims. (Cl. 268—102)



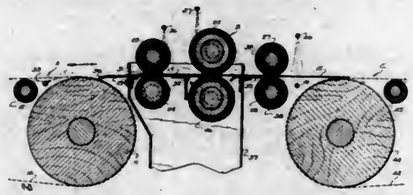
1. Window construction comprising, in combination with a wall having a window opening, a frame for the opening, a sash hingedly connected at its top edge to the wall above the opening whereby to be swingable relative to the frame, means for adjusting the sash in position relative to the opening comprising a guide member secured to the frame, a cross pin in the guide member, links of U-shaped cross-section, means interconnecting adjacent ends of adjacent links including a bar extending at its ends into the adjacent ends of adjacent links and pivotally connected to said links at points spaced inwardly from the adjacent ends thereof, said links being longitudinally slidable inwardly and outwardly through the guide member and the outermost link being pivotally connected to the sash, and a slot in the bottom edge of each link adjacent its inner end, said cross pin being selectively engageable in the slots to releasably lock the sash against swinging movement.

2,356,410
CONTROLLED CYCLE RELIEF VALVE
Allen D. Krugler, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 3, 1942, Serial No. 425,560
5 Claims. (Cl. 277—42)



3. A reduced blowdown safety relief device comprising a body provided with a passage having an inlet adapted to be connected to a supply of fluid and an outlet adapted to be connected to a region of lower pressure, a safety relief valve normally closing the outlet, and a normally open excess flow valve movable by flow of fluid through the passage induced by the opening of the relief valve to close the inlet except for a bleed opening, whereby the relief valve will close with reduced blowdown of the pressure of the supply, and the excess flow valve will reopen upon closure of the relief valve.

2,356,411
PLASTIC WASHING APPARATUS
Harry A. Kuntz, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 11, 1942, Serial No. 430,411
4 Claims. (Cl. 15—102)



1. An apparatus for treating flexible sheets of plastic or the like, comprising a washing section and a wiping section, an endless conveyor for supporting the sheets in a flat condition and for carrying them through said washing section, and a flat stationary apron positioned to receive the sheets from said endless conveyor and over which said sheets pass to said wiping section, said apron being provided upon its upper surface with a plurality of grooves extending in the direction of travel of the plastic sheets to reduce the area of contact between said sheets and apron.

2,356,412
SHIFTABLE COWL FASTENER AND INSTALLATION THEREOF
Walter I. Jones, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application September 14, 1942, Serial No. 458,197
3 Claims. (Cl. 24—221)

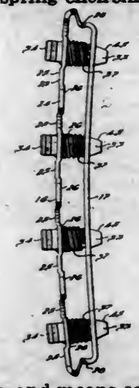


3. In a fastener for cowling and the like for attachment to an apertured support, a sheet metal fastener element comprising a base portion having spaced bearing sections and outwardly spaced apertured cam and seat means intermediate said bearing sections and adapted to interlock with a cooperative rotary stud member upon partial turning movement of the latter, and an attaching member to hold the sheet metal fastener element in place for receiving the stud member, said attaching member including spaced feet portions for rigid attachment to said support, said attaching member being formed with slotted portions for loosely receiving the bearing sections of said fastener element whereby the fastener element is shiftably attached to the support and an intermediate hingedly connected bridge portion overlying said fastener element and providing for movement of said feet and slotted portions away from each other to permit assembly of said fastener element with said attaching member.

2,356,413
SHELL CLIP
John W. Leighton, Port Huron, Mich.
Application January 2, 1942, Serial No. 425,399
14 Claims. (Cl. 89—34)

1. A shell climp comprising a pair of spaced plate portions each having an opening and the

openings being aligned for slidably receiving a shell retaining plunger, a plunger slidable in the openings, a coil spring encircling the plunger be-



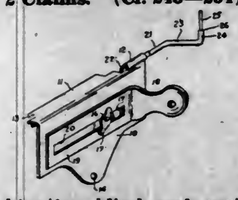
tween the plates, and means connecting one convolution of the spring with the plunger and comprising a groove in the side surface of the plunger and into which such convolution is contracted.

2,356,414
TUNABLE RESONANT CAVITY DEVICE
Ernest G. Linder, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1941, Serial No. 380,675
4 Claims. (Cl. 178—44)



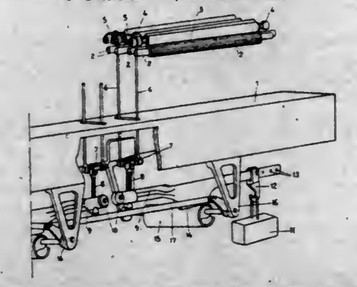
3. A resonant cavity device including a conductive shell having the shape of a surface of revolution of substantially toroidal form, a conductive reed element secured to the inner wall of said shell and extending in its major dimension substantially parallel to the directrix of said surface of revolution and lying in a plane perpendicular to a line from said directrix to said reed, said shell having an aperture adjacent said reed whereby a probe member may be inserted to deform said reed and thereby adjust the frequency of resonance of said resonant cavity.

2,356,415
COMBINATION BLIND AND CURTAIN SUPPORT
Ronald R. McDonald, Glace Bay, Nova Scotia, Canada
Application September 24, 1943, Serial No. 503,716
2 Claims. (Cl. 248—254)



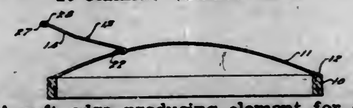
1. A combination blind and curtain support comprising a body portion, a flange at right angles to and along the top of the body portion having pointed ears depending therefrom for attaching the support to a window frame, a horizontally disposed barrel formed integral with the body portion and a curtain bracket slidable in the barrel, aligned lugs on the body portion, a blind bracket including a slotted portion slidably secured to the body portion so that the lugs project into the slot.

2,356,416
PRESSURE HINGED LEVER SYSTEM FOR CYLINDERS OF SLIVER OR LAP DRAWING FRAMES FOR USE IN SPINNING TEXTILE FIBERS OF VARIOUS KINDS
Luigi Marzoli, Palazzolo sull' Oglio, Italy; vested in the Alien Property Custodian
Application May 22, 1941, Serial No. 394,670
In Italy June 3, 1940
6 Claims. (Cl. 19—135)



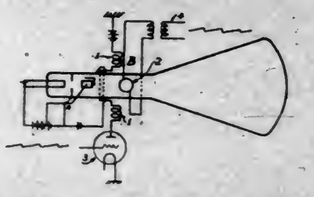
1. In a lap drawing frame for spinning textile fibers having cooperating top and bottom cylinders which are rotatably supported one above the other with each top cylinder being vertically movable and force applying means associated with the ends of each top cylinder for transmitting a downwardly directed force thereto whereby to move each top cylinder into pressure contact with its cooperating bottom cylinder, the combination of lever means connected to said force applying means for exerting pressure on the cylinders, said lever means comprising levers carried by said lap drawing frame, each lever being fulcrumed at one of its ends on said frame below said cylinders and being connected between its fulcrum and its free end to one of said force applying means, the levers in a pair of levers extending in opposite directions and towards each other from their fulcrums and having their free ends located below the cylinders, said levers lying in substantially vertical planes which are substantially parallel to the longitudinal axes of said cylinders.

2,356,417
SOFT EDGE SEAT CONSTRUCTION
Louis T. Mayer, Detroit, Mich., assignor to No-Sag Spring Company, Detroit, Mich., a corporation of Michigan
Application February 12, 1941, Serial No. 378,506
10 Claims. (Cl. 155—179)



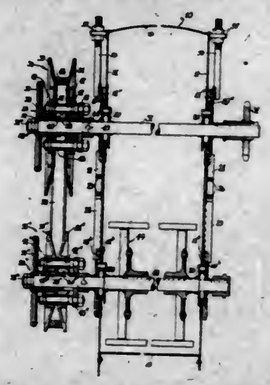
7. A soft edge producing element for a seat which has strips of sinuously formed wire spanning a frame, comprising a U-shaped spring wire having a web, and a pair of extending legs, the end portions of the legs being reversely bent from a plane through the legs and further formed into S-shaped hooks which are capable of extending under and over adjacent portions of said sinuously formed wire to constitute the sole supporting means for the element.

2,356,418
BRAUN TUBE
Maximilian Messner, Berlin, Germany; vested in the Alien Property Custodian
Application February 4, 1939, Serial No. 254,581
In Germany February 7, 1938
5 Claims. (Cl. 315—25)



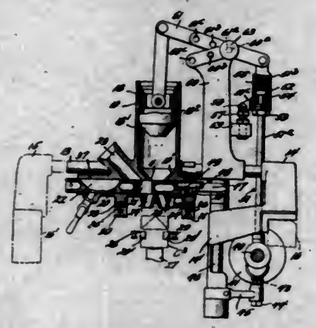
5. A cathode ray tube including an electron gun emitting a cathode ray, a fluorescent screen having an active and an idle area, electromagnetic means for deflecting said cathode ray over the active area of said fluorescent screen, and electrostatic means for maintaining an electrostatic cathode ray biasing field in the path of said cathode ray for deflecting ions away from the active area of said fluorescent screen, said electromagnetic means including a coil for creating an electromagnetic field and means for passing a pulsating direct current through said coil, the direct current component of which creates a biasing field equal and opposite in its effect upon electrons to the effect upon electrons produced by said electrostatic means.

2,356,419
THRESHER
Lee P. Millard and Stuart D. Pool, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey
Original application August 8, 1941, Serial No. 405,980. Divided and this application January 2, 1942, Serial No. 425,420
2 Claims. (Cl. 74—230.17)



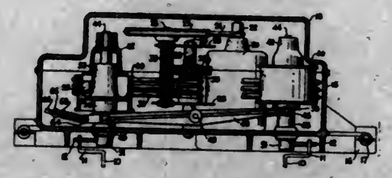
1. A variable pitch diameter pulley assembly including a drive shaft, a cylindrical sleeve member surrounding the shaft, a hand wheel at one end of the cylindrical member for turning the sleeve on the shaft, means to tighten or loosen said sleeve member with respect to the shaft, said member having formed on its exterior surface right and left hand threads, mating pulley sections respectively secured to the sleeve portion by means of the said threads, a disk removably secured to said shaft at the end of the sleeve portion remote from the hand wheel, and means carried by said disk and passing through said mating pulley sections in sliding relation thereto to prevent relative rotation between the sleeve member and pulley sections.

2,356,420
LIQUID MEASURING AND DISPENSING APPARATUS
Charles Z. Monroe, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application August 3, 1942, Serial No. 453,414
5 Claims. (Cl. 222—387)



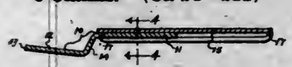
1. A liquid dispensing apparatus for delivering a precisely measured quantity of liquid such as milk, comprising in combination, a measuring chamber having a discharge port formed in the wall thereof, a valve mounted for sliding movement across the port for controlling the rate of discharge of fluid from the measuring chamber, a piston within and slidably engaging the wall of said chamber, said piston being movable toward and away from said port and being so formed as to expel the entire contents of the chamber on its discharging stroke, and means for producing synchronized movements of the piston and valve during the discharging of said chamber, said means effecting movement of the piston at an increasing rate of speed from the beginning of its stroke until it reaches the midpoint of its travel, and thereafter at a decreasing rate of speed, and the port being initially opened part way by the valve prior to the initiation of the discharging stroke of the piston, and thereafter fully opened, the valve reaching fully open position at about the time that the piston is travelling at its highest velocity.

2,356,421
WEB WINDING AND REWINDING MACHINE
John F. Morse, Hudson, Ohio
Application October 19, 1942, Serial No. 462,639
16 Claims. (Cl. 242—55)



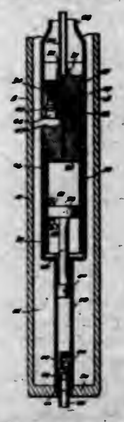
16. In a web treating apparatus, the combination of spools to which the ends of the web are attached and between which the web passes in a straight line, a spool shaft on each spool, means to drive each spool alternately in the direction to wind the web thereon comprising a motor, two oppositely rotating driving shafts connected to the spool shafts at all times during winding and rewinding, a clutch associated with each driving shaft, one member of each clutch being constantly driven by the motor, and means interposed between the clutch members and operative by the resistance of the web to further movement when it is taut and completely unwound from one spool to disconnect its clutch and connect the clutch to the other spool driving shaft so as to reverse the direction of spool rotation without breaking the driving connection between the spool shafts and their respective driving shafts.

2,356,422
FASTENER SECURED INSTALLATION AND FASTENER THEREFOR
Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation Cambridge, Mass., a corporation of Massachusetts
Application August 27, 1942, Serial No. 456,321
6 Claims. (Cl. 24—211)



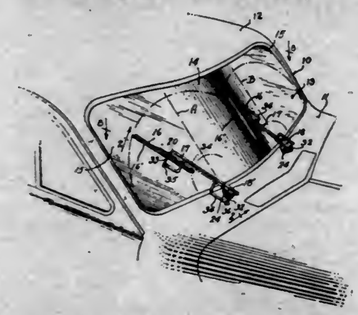
1. In a fastener secured installation, in combination with an apertured supporting means, of a fastener member therefor having an attaching portion formed with laterally offset base and prong portions, said prong portion being elongated and inclined with reference to the plane of the base and adapted for insertion through the aperture of said supporting means to engage one face thereof, and means slidably connected to said base portion and movable longitudinally thereof to a position over said prong and in clamping engagement with the other side of said apertured supporting means, the inclined prong acting as a take-up spring to hold the parts in clamped engagement.

2,356,423
BOTTOM HOLE INTERMITTER
Charles M. O'Leary, Houston, Tex.
Application February 7, 1942, Serial No. 429,939
5 Claims. (Cl. 103—10)



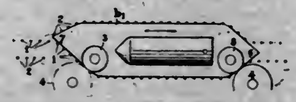
1. A bottom hole intermitter including means forming outflow tubing, means adapted to be lowered into a well on said outflow tubing and positioned above the liquid level in the well, having a filling chamber therein, a member within said chamber having channels for receiving pressure from the surface including a passage opening into said filling chamber, a suction pumping mechanism in said member actuated by pressure through said channels and positively raising well liquid into the filling chamber whereby to gradually build up a head of liquid therein independent of well pressure, and create, by its suction, an area of reduced pressure adjacent the producing formation of the well, and means actuated by weight of the head of liquid for admitting pressure from said member into the filling chamber for causing upflow of said head.

2,356,424
WINDSHIELD WIPER
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 13, 1941, Serial No. 410,721
9 Claims. (Cl. 15—255)



1. A device for wiping a windshield having a surface with flat and curved portions in a transverse direction comprising a wiper blade having an edge portion contacting the windshield surface, an arm pivoted, a universal joint pivotally connecting the arm to the blade, said arm being operable to reciprocate said blade in an arcuate path across the flat and curved portion of said windshield surface, and means operating to swing said blade on its pivot to hold the contacting edge portion thereof parallel to vertical lines on the windshield surface while passing across the curved surface portion thereof and constraining said arm and blade to move together in fixed relation while passing across the flat surface portion of the windshield surface.

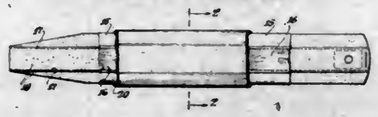
2,356,425
CHANGE-OVER DEVICE FOR CIRCULAR WEAVING LOOMS
Henri Pelcé, Flixecourt, France; vested in the Alien Property Custodian
Application June 3, 1940, Serial No. 338,620
In France June 17, 1939
3 Claims. (Cl. 139—15)



1. For use in a circular weaving loom of the type having heddle frames for producing a change-over movement of a small amplitude of

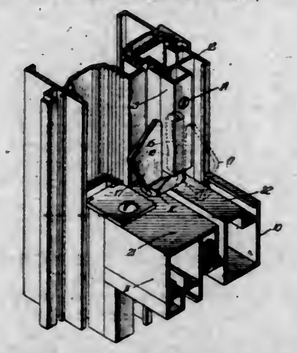
warp threads and for dividing said threads into a shed of two superposed sheets, a shuttle having a separating cam the front and the rear of which are shaped to form noses having oblique inclines, the front nose of said separating cam being located at a short distance above the median beating plane of the sheds and the rear nose being located above the upper sheet of warp threads at the rear of the shuttle when the shuttle is in the shed.

2,356,426
MOISTUREPROOF TRUSS
Moris Portnow, New York, N. Y.
Application December 3, 1941, Serial No. 421,404
1 Claim. (Cl. 128—99)



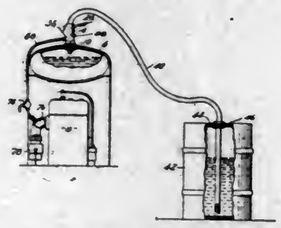
A truss comprising a pair of body-embracing springs, a pair of cushion pads, one of said pads secured at the end of one of said springs, the other of said pads secured at the end of the other of said springs, a rubberized casing for each of said springs, said casing comprising a strap of inflexible material, a narrower strip of inflexible material secured thereto, forming a horizontal opening therebetween into which said springs are adapted to be entered, a coating of liquid rubber for said casings to render them moisture proof, and a coating of liquid rubber for said pads to provide a truss which is moisture-proof in all of the parts that come into direct contact with the body of the wearer.

2,356,427
SASH LOCK
Charles A. Pressnall, Elkhart, Ind., assignor to the Adlake Company, Chicago, Ill., a corporation of Illinois
Application December 26, 1942, Serial No. 470,170
6 Claims. (Cl. 292—204)



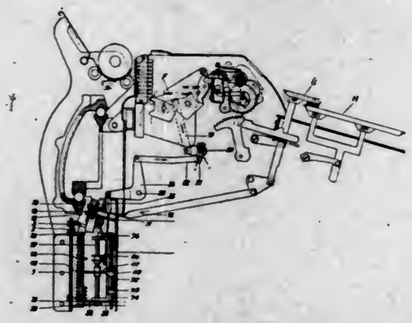
4. In a window of the type having an upper sash and a vertically movable lower sash, a glazing bead removably associated with one of the side rails of the upper sash on the inside of the latter, and a locking member which is rotatable about the longitudinal axis of the bead and is provided with a journaling portion which is telescopically associated with the bead, said locking member also having a radially projecting portion which when turned into one position is adapted to abut with the top rail of the lower sash.

2,356,428
FILLING APPARATUS FOR TRACTOR GASOLINE TANKS
Fred T. Ranney, Minneapolis, Minn.
Application May 5, 1941, Serial No. 391,820
5 Claims. (Cl. 123—198)



1. The combination with an internal combustion engine having an intake chamber of subatmospheric pressure and an engine fuel tank, a hollow body member communicating with said tank, a fuel container positioned below said engine fuel tank, a suction tube connecting said chamber through said hollow body member and fuel tank with said fuel container, a valve operable when the liquid in said tank reaches a predetermined level to partially close the source of suction to said elevated tank, a restricted aperture whereby fluid fuel from said engine tank passes to said chamber of low pressure when said valve is closed and an atmospheric bleed hole relatively larger than said aperture communicating with said fluid fuel tank whereby the vacuum in said elevated tank is reduced gradually until the flow of fluid fuel from said container to said engine tank is stopped.

2,356,429
CARRIAGE CONTROL FOR ACCOUNTING MACHINES
Hermann Rauh, Berlin-Zehlendorf, Germany; vested in the Alien Property Custodian
Application December 8, 1939, Serial No. 308,261
In Germany January 17, 1939
4 Claims. (Cl. 235—60)



1. In a bookkeeping machine, the combination comprising a paper carriage, a tab key, means controlled by said tab key for initiating tabulation of said carriage, a skip-tab key, means controlled by said skip-tab key for initiating skip-tabulation of said carriage and means operable upon the actuation of said tab key at certain columnar positions for initiating skip-tabulation of said carriage.

2,356,430
GUN PERFORATOR
Edward F. Raymond, Los Angeles, Calif.
Application June 21, 1943, Serial No. 491,596
10 Claims. (Cl. 164—0.5)



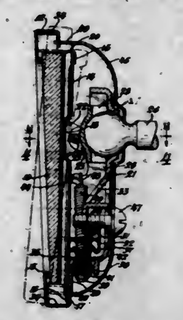
1. A gun perforator for use in wells comprising; a body movable downwardly along a cable lowered in the well in advance of the perforator; a gun unit in the body including a firing element, a spring for actuating said element in its firing travel, and means releasably maintaining said element in retracted position; and means for releasing said holding means to cause the spring to actuate said firing element.

2,356,431
RETRIEVABLE GUN PERFORATOR
Edward F. Raymond, Los Angeles, Calif.
Application June 21, 1943, Serial No. 491,597
14 Claims. (Cl. 164—0.5)



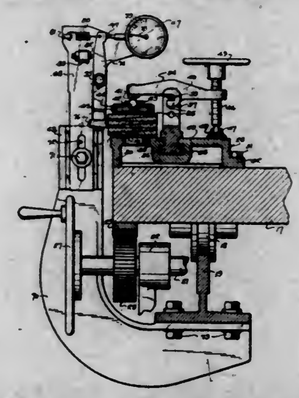
1. A retrievable gun perforator for use in wells, comprising a body movable downwardly along a cable lowered in the well in advance of the perforator, a gun unit within the body, and means for interconnecting the body and cable at different locations along the cable to permit removal of the perforator on the cable from different depths at which the perforator may become lodged in the well.

2,356,432
PRISMOIDAL REARVIEW MIRROR
Gordon E. Roedding, Madison County, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 24, 1941, Serial No. 380,175
6 Claims. (Cl. 88—77)



1. In a mirror, a housing with an open side, a member which includes a transparent low efficiency reflecting surface disposed in front of and at a small angle to a high efficiency reflecting surface in the open side of the housing, and means within the housing through which the member is mounted so that the member may swing about an axis close to its inner surface and in the neighborhood of its middle from a position in which a dim image from the low efficiency reflecting surface to a position in which a bright image from the high efficiency reflecting surface is directed into the eyes of an observer and vice versa.

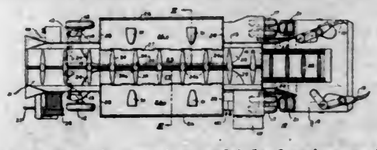
2,356,433
GLASS GRINDING APPARATUS
George R. Roesch and Gerald White, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 12, 1941, Serial No. 406,486
3 Claims. (Cl. 51—122)



2. In apparatus for grinding the edges of plates of glass or the like, a horizontally reciprocating table, a substantially rectangular supporting member secured upon the top of said table and including a horizontal top plate provided intermediate the front and rear edges thereof with a longitudinally extending channel, the portion of said top plate forwardly of said channel adapted to support the plate to be ground horizontally

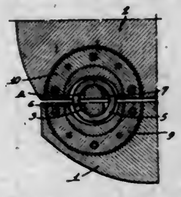
thereupon, clamping means comprising a substantially vertical portion slidably mounted within said channel, a substantially horizontal lever pivotally mounted on said substantially vertical portion to turn about a horizontal axis, a clamping block adapted to engage the plate to be ground for securing it in position upon said supporting member, means for mounting said clamping block at the forward end of said lever for universal movement relative thereto, and means carried at the rear end of said lever engaging the top plate of said supporting means rearwardly of said channel for urging said clamping block into engagement with the plate to be ground, and grinding means arranged forwardly of said supporting member and adapted to engage the forward edge of said plate upon reciprocation of said supporting member.

2,356,434
SHUTTLE CAR
John D. Russell, Cranberry Township, Venango County, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application March 8, 1943, Serial No. 478,465
5 Claims. (Cl. 214—83)



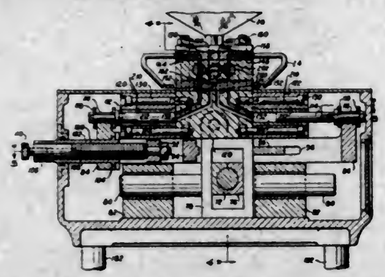
1. A material-carrying vehicle having a floor sloping downwardly from the center to each side thereof, a conveyor chain passing over the center of said floor and having scrapers attached thereto adapted to engage said sloping portions, a member pivoted to each side of said floor, and means for turning said members about their pivots to raise and lower the same whereby when said members are lowered the material will slide from said floor onto said members and when said members are raised will slide from said members back onto said floor into position to be engaged by said scrapers.

2,356,435
VIBRATION DAMPER
Raoul Roland Raymond Sarazin, Lyon, France; vested in the Alien Property Custodian
Application August 24, 1942, Serial No. 455,908
In France May 6, 1942
5 Claims. (Cl. 74—574)



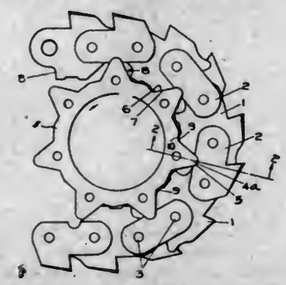
1. A device for damping vibrations of a rotating part which comprises, in combination, at least one pendular mass, two suspensions for bifilar pendular mounting of said mass on said part, each suspension including cylindrical runway means carried by said part having generatrices parallel to the rotation axis of said part, cylindrical runway means carried by said pendular mass opposite said first mentioned runway means, having generatrices parallel to said axis, a rolling body of general annular shape having an internal cylindrical wall in rolling contact with said first mentioned runway means and an internal cylindrical wall in rolling contact with said second mentioned runway means, and a bracing portion integral with said member and transverse to the cylindrical walls thereof, for resisting the stresses tending to deform said member outwardly.

2,356,436
CAPSULATING MACHINE
Robert P. Scherer, Detroit, Mich., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich., a corporation of Michigan
Application June 24, 1940, Serial No. 341,986
10 Claims. (Cl. 103—172)



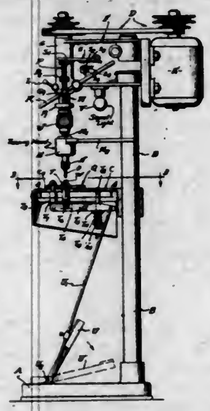
1. In a capsulating machine, a metering device for discharging regulated amounts of capsule filler content material between sheets of capsule shell forming material comprising, in combination, a pair of pumping devices each including a pump chamber and a pump plunger therein, a support for each plunger, means for connecting said supports together, means acting upon said connection for jointly reciprocating said plungers and means for adjusting said connection to vary the distance between said supports and thus vary the stroke of the plungers in their respective chambers.

2,356,437
CHAIN SAW CONSTRUCTION
Donald J. Smith, Vancouver, British Columbia, Canada, assignor to Reed-Prentice Corporation, Worcester, Mass., a corporation of Massachusetts
Application June 9, 1941, Serial No. 397,194
2 Claims. (Cl. 143—135)



2. A chain saw construction, comprising in combination a rotatably driven sprocket having radial teeth each providing a flat driving surface and a chain saw cooperating with said sprocket comprising a series of inner links pivotally connected on opposite sides by series of outer links arranged in pairs, with the combined widths of an inner link and two outer links substantially equal to the width of a sprocket tooth, each pair of outer links providing alined notches in their lower edges to engage with the end of a tooth of said sprocket to support the chain radially of the sprocket axis and thereby prevent rocking of the chain on the sprocket, and with each inner link providing a flat driving surface in complete face-to-face engagement with the leading flat driving surface of a sprocket tooth when the chain is curved around the sprocket.

2,356,438
TAPPING MACHINE
Howard A. Wilson, Los Angeles, Calif.; Lillian A. Wilson administratrix of said Howard A. Wilson, deceased
Application July 16, 1943, Serial No. 495,050
8 Claims. (Cl. 10—129)

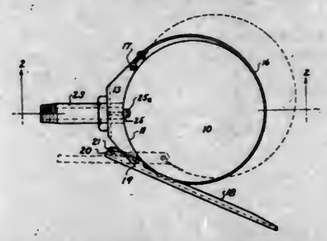


1. A tapping machine comprising: a frame, a bed adjustable thereon, a power driven tapping head adjustable on the frame relative to the bed and including a tap, a holding base adjustable on said bed and provided with a tapered aperture, a collet reciprocable relative to the base and having a tapered head seating in said aperture, and an operating member connected with said frame, said base and said collet for gripping and holding work during tapping operations and for releasing the work at the completion of each operation by the movement of the collet head in said aperture.

2,356,439
METHOD OF MAKING FADE-OUTS BY AFTERTREATMENT
Paul S. Aex and Charles H. Guell, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 11, 1943, Serial No. 475,506
4 Claims. (Cl. 95—2)

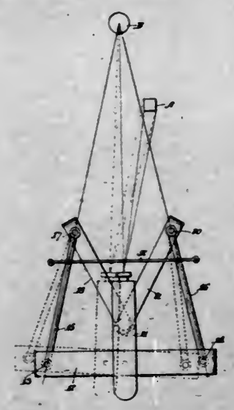
1. A method of obtaining graduated images in motion-picture film previously containing completed photographic images that comprises depositing sensitive silver salts uniformly within the image-containing layer, exposing the film to a graduated exposure to form a wedge or iris, and developing an image from said exposure, and removing any unexposed silver salts.

2,356,440
CLAMPING DEVICE
William H. Baumgard, Carlstadt, N. J., assignor to Arrow Products Company, Carlstadt, N. J.
Application August 27, 1940, Serial No. 354,412
1 Claim. (Cl. 24—68)



A device adapted to be clamped about a cylindrical container, which comprises a yoke and a flexible band, said yoke including a rigid back web interconnecting opposed side flanges, said web being disposed generally centrally of the flanges providing a pair of spaced free ends on the flanges beyond either side of the web portion, a pin interconnecting one pair of the flange free ends together and securing one end of said flexible band, a second pin interconnecting the other pair of flange free ends, a lever pivotally mounted intermediate its ends on said second pin providing a short lever arm having a free end adapted to move between said last mentioned pair of flange ends, means securing the other end of the flexible band to said free end of the short lever arm, said lever being operable to tighten the flexible band about the container when the short lever arm is moved toward the rigid back web and to maintain the device in clamped position when the free end of the lever has moved through the space between the pair of flange ends.

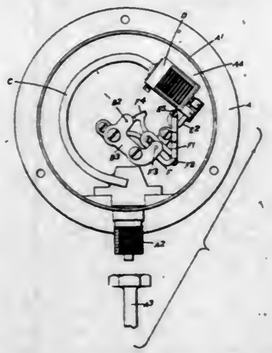
2,356,441
APPARATUS FOR PRODUCING THIRD DIMENSIONAL MOTION PICTURES
Everett H. Bickley, Bala-Cynwyd, Pa.
Application January 12, 1943, Serial No. 472,151
6 Claims. (Cl. 88—16.6)



1. An apparatus for creating three dimension motion pictures, consisting of a fixed support, two links having a common pivot on said support, arms respectively pivoted on said links and having bearing pins respectively on the free ends

of said arms, and a bar carried by said bearing pins to support a camera, whereby oscillation of said bar moves said camera while maintaining the aim thereof constant.

2,356,442
PRESSURE GAUGE
George Christian Ross Birch, Raynes Park, England, assignor to B. & R. Patents Limited, London, England, a company of Great Britain
Application July 9, 1943, Serial No. 494,046
In Great Britain July 7, 1942
8 Claims. (Cl. 73—109)

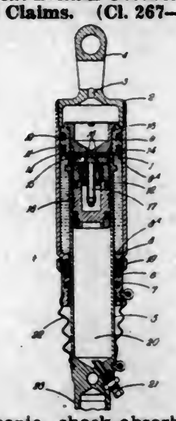


2. In a fluid pressure gauge for giving both high pressure and vacuum measurements, in combination, a supporting base, a Bourdon tube fixed at one end to said base, means carried by the base whereby the fixed end of the tube communicates with the fluid source whose pressure is to be measured, a flexible bellows, a device connecting one end of the bellows to the free end of the tube and establishing communication between the tube and the interior of the bellows whose other end is closed, a cage surrounding the bellows and supported at one end by said connecting device, the other end of the cage lying adjacent to the closed end of the bellows and preventing expansion thereof beyond a predetermined limit, an indicating device carried by the supporting base, and means operatively connecting the closed end of the bellows to said indicating device.

2,356,443
METHOD OF MAKING A COMPOSITION FOR USE IN DETERGENTS
Harry Gerard Bissinger, Denville, N. J., assignor to Drew Associates, Inc., New York, N. Y., a corporation
No Drawing. Application July 16, 1940, Serial No. 345,859
9 Claims. (Cl. 252—158)

1. A method of making a composition for use in a detergent which comprises providing alkali metal hydroxide in the form of particles, adding thereto an oil of the higher fatty acid-glyceride type, the amount of said oil being sufficient to form a thin film on said alkali but insufficient to cause adherence of the particles of said alkali, mixing said oil and alkali in the presence of sufficient moisture to cause an exothermic reaction to take place to form an intermediate layer of soap which is salted out at the interface, and spreading said composition in thin layers to allow cooling thereof without charring.

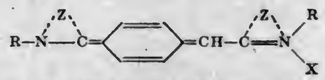
2,356,444
SHOCK ABSORBER
Rowland Henry Bound, Cheltenham, England, assignor to Dowty Equipment Limited, Cheltenham, England
Application October 16, 1941, Serial No. 415,319
In Great Britain October 16, 1940
8 Claims. (Cl. 267—64)



1. A telescopic shock-absorber including a chamber open to atmosphere at one end, a hollow plunger having a head slidably fitting the chamber, a packing gland about the plunger sealing the mouth of the chamber remote from the end thereof which is open to atmosphere, the plunger and chamber cooperating to define an annular space between the gland and the plunger head variable volumetrically with plunger movement, duct means communicating between said annular space and the interior of said plunger through a point thereof between the head and the gland, fluid filling said annular space and entering said plunger through said duct means against resilience resisting extension of said plunger relative to said chamber.

2,356,445
CYANINE DYES
Leslie G. S. Brooker and Robert H. Sprague, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 20, 1942, Serial No. 439,722
16 Claims. (Cl. 260—240)

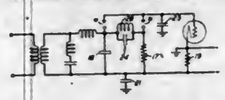
1. A cyanine dye of the following general formula:



wherein R represents an alkyl group, X represents an acid radical and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of benzothiazole and naphthothiazole nuclei.

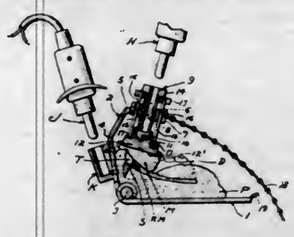
2,356,446
AMPLIFIER CIRCUIT
Mark E. Campbell, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 16, 1942, Serial No. 439,214
3 Claims. (Cl. 179—171)

2. A circuit for coupling a stabilized feedback amplifier to a highly resistive low impedance circuit including a two-winding non-unity ratio transformer having its low impedance side connected to said circuit and its high impedance side connected to said feedback amplifier, said coupling circuit comprising together with said transformer a mid-series equivalent M-derived



half section of filter, a half-section constant-K filter, a mid-series equivalent M-derived half section of filter and a terminating impedance in the order named, the connection from said coupling circuit to said amplifier being made at the junction between said two last-mentioned half sections of filter.

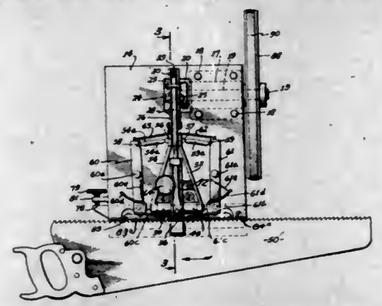
2,356,447
DENTURE REPAIRING DEVICE
Allen Bernard Cline, Rosemead, Calif.
Application August 3, 1942, Serial No. 453,481
11 Claims. (Cl. 18—33)



8. In a denture repair device, a supporting member adapted to be extended over a denture to be repaired, means supporting said member, means for holding a denture in a predetermined position relative to said member with its repair area exposed, a matrix holder for a mold which is applicable to said repair area, means associated with said member and said holder for manipulating the holder to present the mold under pressure against the repair area of the denture, including a nut pivoted on said member, a tubular screw adjustable in said nut and seated against said holder, a heating means in the bore of said screw, a ring on said screw above the nut, and pins on said ring extending through the nut and engaging and holding said holder against turning relative to said screw.

2,356,448
POWER SAW SETTING APPARATUS
Byron G. Daggett, San Diego, Calif.
Application June 13, 1941, Serial No. 397,905
6 Claims. (Cl. 76—62)

1. In a saw setting machine, an anvil to have engaged thereagainst a saw to be set, a rockable beam, a plunger element carried by said beam to engage individual teeth of a saw engaged against said anvil and to deflect and thereby set said teeth in response to rocking movement of said beam, means for rocking said beam, a yoke element rockable by and with said beam, an arm pivoted intermediate its ends for oscillation in a plane at right angles to the plane of rocking movement of said yoke element, a finger on one end of said arm for engagement with a tooth of the saw to advance the latter in response to oscillation of said arm, and a connection including a spreader element between said yoke element and the other end of said arm whereby the



latter is oscillated to effect advance of the saw to present a new tooth to be set in response to rocking movement of said beam.

2,356,449
PURIFICATION OF PHTHALIC ANHYDRIDE
Karl H. Engel, West Englewood, and Henry L. Stasse, Hawthorne, N. J., assignors, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application October 13, 1941, Serial No. 414,778
7 Claims. (Cl. 260—342.5)

1. A process for producing substantially colorless, color-stable phthalic anhydride from crude phthalic anhydride containing tarry impurities and naphthoquinone which comprises agitating the crude phthalic anhydride in the molten state with a small amount of hydrated stannous chloride, adding at least sufficient sodium bicarbonate to react with all of the chloride ion present, and then distilling off the phthalic anhydride.

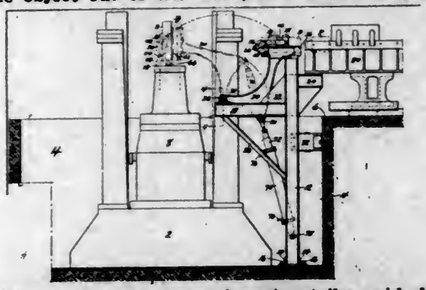
2,356,450
STEEL
Samuel Epstein, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
No Drawing. Application February 28, 1942, Serial No. 432,796
4 Claims. (Cl. 75—123)

1. A steel having the characteristics due to rimming, containing vanadium between .01% and .15%, said steel having non-aging characteristics.

2,356,451
FEEDING DEVICE
Morris S. Evans, Buffalo, N. Y., and Emil C. Stolberg, Glen Ridge, N. J., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 9, 1943, Serial No. 471,892
4 Claims. (Cl. 214—130)

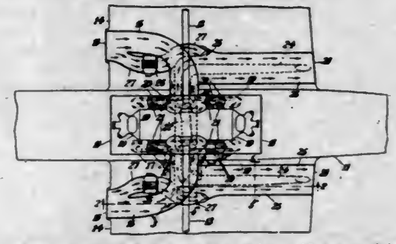
1. In a feeding device for transferring hot billets or like objects from a conveyer to a die pot, the combination of a swinging arm pivotally mounted adjacent the die pot, an object receiving head mounted on said arm and normally resting in a substantially horizontal position to receive objects from the conveyer and movable with said arm to a substantially vertical object discharging position, a strap secured to said head and together with the head encircling the object to prevent the object being thrown out of the head during swinging of the arm, links pivot-

ally connected to said strap and head and projecting beyond one end of said head and joined together by a cross tie blocking movement of the object out of the head, said links being so



constructed and arranged as to strike said die pot and move said cross tie out of object blocking position when said head is in substantially vertical position over the die pot.

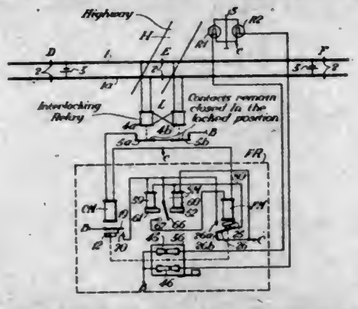
2,356,452
INTERNAL-COMBUSTION ENGINE INSTALLATION
Alfred Hubert Roy Fedden, Bristol, England, and Frederick Metcalf Thomas, North Adams, Mass., assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application January 14, 1942, Serial No. 426,774
In Great Britain January 17, 1941
5 Claims. (Cl. 244—55)



1. In an aircraft having a wing, the combination with an enclosed engine chamber, an air-cooled internal-combustion engine in the chamber, a duct for heated air extending laterally from the chamber through the wing to an air-outlet near the trailing edge of the wing, a duct for exhaust gases extending from the engine entirely within the heated-air duct, a duct for cold air extending from an air-intake at the leading edge of the wing to enter the engine chamber laterally and at least partly surround the heated-air duct at the place where it enters the chamber, and partitioning means within the chamber to cause the cold air admitted through the cold air duct to flow over the engine first in one direction and then in the reverse direction to the heated air duct.

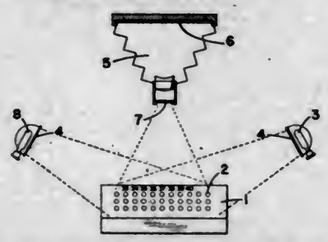
2,356,453
CONTROL APPARATUS FOR HIGHWAY CROSSING SIGNALS
Frederick T. Fereday, Louisville, Ky., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 10, 1942, Serial No. 434,037
8 Claims. (Cl. 175—373)

1. In combination, a pivoted contact carrying a rocker movable between two extreme positions, a first magnet, means controlled by said first magnet and effective when said first magnet is energized for moving said rocker in opposition to its bias to an intermediate position, a second magnet, means controlled by said first magnet and effective when said first magnet is deener-



gized for causing said second magnet to become alternately energized and deenergized at a predetermined rate, and means responsive to alternate energization and deenergization of said second magnet for oscillating said rocker between its two extreme positions.

2,356,454
METHOD AND APPARATUS FOR FLUOROGRAPHY
William B. Ferguson, Brenham, Tex.
Application October 30, 1941, Serial No. 417,092
9 Claims. (Cl. 250—71)

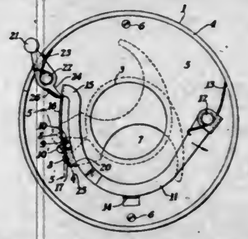


1. A method for measuring the fluorescence of a body under ultra-violet light which comprises photographing the body separately under ultra-violet light and under visible light while employing exposure times under the different lights such that the body, if non-fluorescent, would give an image of the same density under the ultra-violet light as that obtained under the visible light, and comparing the densities of the resulting images on the photographic film.

2,356,455
CAMERA SHUTTER
Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 4, 1943, Serial No. 485,597
6 Claims. (Cl. 95—62)

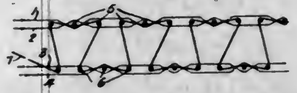
1. A camera shutter comprising, in combination, an apertured support, a pair of shutter blades pivotally mounted thereon on spaced pivots, one blade carrying a pin projecting through a slot in the other blade, a master member pivotally carried by the support and spring held in a rest position, a spring flange carried by the master member including a cam shaped end and

having a cut out therein, said master member pivot being so located relative to the blade pin that movement on said pivot may engage the cam and pin to move the blades to an open position when said master member moves toward



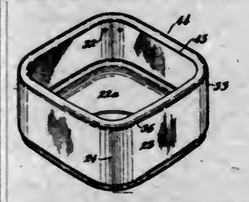
its rest position, and a shutter trigger including an arm positioned to engage and move the master member from its rest position until it slips off the master member releasing it for movement under its spring.

2,356,456
SHOCK-ABSORBING OR CUSHIONING MATERIAL MADE FROM FIBROUS SUBSTANCES
Walter Garner, Menston, in Wharfedale, England, assignor of one-half to Lister and Company, Limited, Bradford, Yorkshire, England
Application August 9, 1943, Serial No. 498,005
In Great Britain April 2, 1942
15 Claims. (Cl. 28—80)



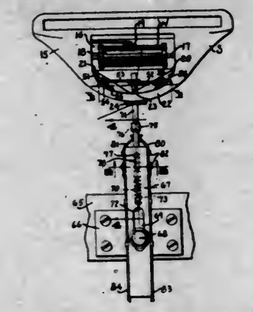
1. Shock-absorbing material made from fibrous substances and comprising a plurality of units held together in superposition; and each unit comprising as component elements two textile fabrics into which are woven resiliently flexible textile elements which connect the fabrics together and provide "legs" between the fabrics which are capable of holding the fabrics spaced apart by at least $\frac{1}{12}$ inch and, if external compression has been applied, of restoring them to such spacing apart when the compression is released.

2,356,457
MANUFACTURE OF RECTANGULAR RESTRICTED OPENING SHEET METAL RECEPTACLES
John H. Gonda, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application February 13, 1941, Serial No. 378,751
8 Claims. (Cl. 113—120)



1. The method of making a rectangular restricted opening receptacle which includes the steps of drawing a substantially rectangular shell from a sheet metal blank to form a bottom wall terminating in upwardly extending substantially flat side and connecting rounded corner walls; then vertically stretching the substantially flat side but not the rounded corner walls; and then forming a continuous inturned flange at the upper edge of said side and corner walls by working the metal at and adjacent said upper edge between dies without notching, patching, seaming, or welding said metal.

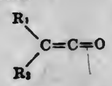
2,356,458
WEFT STOP MOTION FOR NARROW WARE LOOMS
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 8, 1943, Serial No. 486,238
13 Claims. (Cl. 139—371)



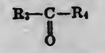
1. In a weft stop mechanism for a narrow ware loom having a reciprocating lay, a shuttle on the lay having a weft quill, a detector in the shuttle normally supported by the weft when the latter is under proper tension and falling to an indicating position when unsupported by the weft, a normally open electric switch on the loom, means operated by the detector when the latter is in indicating position during forward movement of the lay to close said switch, said switch constructed to hold the means in position to maintain the switch closed during backward movement of the day, and an electric control circuit for the loom closed when said switch is closed.

2,356,459
PREPARATION OF BETA LACTONES
Frederick E. Küng, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 15, 1941, Serial No. 393,671
12 Claims. (Cl. 260—344)

1. The process which comprises reacting a ketene of the formula



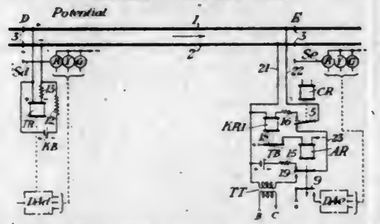
wherein R_1 and R_2 represent a radical of the class consisting of hydrogen and hydrocarbon radicals, with a compound of the formula



wherein R_3 and R_4 represent a radical of the class consisting of hydrogen and hydrocarbon

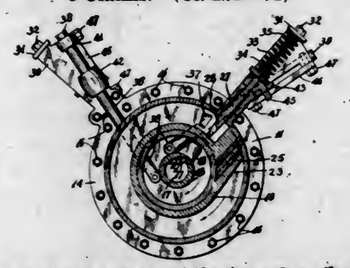
radicals free from olefinic and acetylenic bonds at a temperature below about 25° C. and in the presence of a Friedel-Crafts type catalyst, and obtaining as the principal product of the reaction a beta hydroxy carboxylic acid lactone.

2,356,460
CODED TRACK CIRCUIT SYSTEM OF RAILWAY SIGNALING
Robert M. Laurenson, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 15, 1941, Serial No. 406,995
7 Claims. (Cl. 246—38)



7. In a coded track circuit signaling system, a code transmitting and receiving means comprising a code following detector relay, a slow releasing relay governed by said detector relay and having contacts which are picked up when and only when said detector relay is responding to energy supplied over the rails of a track section, and a coding device having a contact continuously actuated between a first and a second position, said coding device contact being effective when in its first position provided the contacts of said slow releasing relay are picked up to connect a source of current across the rails of a track section and being effective when in its second position to connect the winding of said detector relay across said rails.

2,356,461
ROTARY STEAM ENGINE
John Lepis, Astoria, N. Y.
Application April 23, 1942, Serial No. 440,183
3 Claims. (Cl. 121—74)

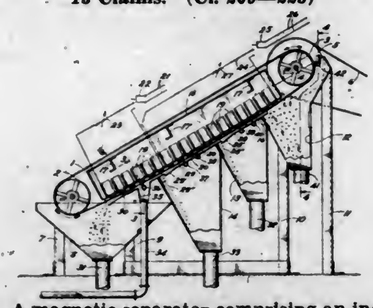


1. In a steam engine of the type described having a hollow cylindrical housing with a pair of longitudinally spaced radially extending brackets and a shaft extended concentrically through said housing, a radially extending slide valve slidably supported by and between said brackets, means urging said valve inwards, a cam mounted on said shaft, a valve lifting rod slidably mounted through said housing to move tangentially of said shaft and at an acute angle to the plane of sliding of said valve and having its inner end disposed adjacent said cam to be urged outwards by said cam as it rotates, a bushing fixedly mounted on an intermediate portion of said rod, a forked portion extending from said bushing along one side of said valve, and a projection extending from said valve and disposed between the fingers of said forked portion to cause said valve to move radially outwards against said first means as said rod moves away from said valve.

2,356,462

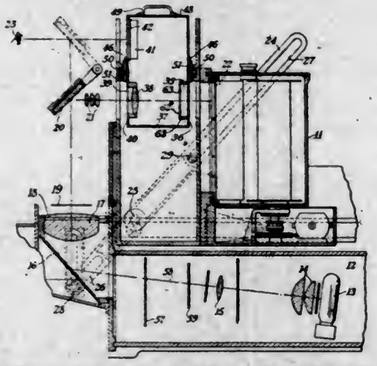
WITHDRAWN

2,356,463
MAGNETIC SEPARATOR
Robert J. Linney, Port Henry, N. Y.
Application November 14, 1942, Serial No. 465,550
13 Claims. (Cl. 209—225)



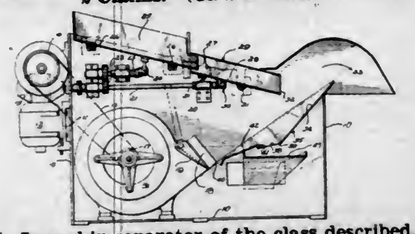
1. A magnetic separator comprising an inclined trough having a bottom provided with an opening therethru between the ends thereof, a hopper disposed below said trough to receive material passing through the opening, an endless belt having an inclined lower reach movable upwardly adjacent to the bottom of said trough, electromagnets disposed along and adjacent to the top surface of said reach of said belt, means to discharge liquid against the lower surface of said reach of the belt at elevations above said opening, and means to deliver materials into the trough near the lower end thereof.

2,356,464
PHOTOELECTRIC EXPOSURE CONTROL
Benjamin E. Luboshez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 13, 1943, Serial No. 479,103
9 Claims. (Cl. 88—24)



1. The combination with a photographic enlargeing printer comprising a printing lamp, a negative positioned in front of said lamp and provided with an image, a projection lens for projecting said image, and a movable sensitized paper holder positioned to receive the projected image, of a light sensitive element positionable in the path of said projected image intermediate said lens and said holder and operatively connected to the latter for movement therewith, a meter connected to said element, and a positionable auxiliary lens arranged in alignment with said element and spaced a fixed distance from said holder and a fixed distance from said element to focus said image on said element.

2,356,465
CHIP SEPARATOR
William M. McKenzie, Newtown, Conn.
Application January 28, 1942, Serial No. 428,470
2 Claims. (Cl. 209—136)



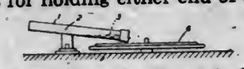
1. In a chip separator of the class described, a blower, a discharge pipe through which an air blast generated by said blower is directed through the open end of said discharge pipe, means for dropping parts and chips to be separated into the area of said air blast at a point displaced from the open end of said discharge pipe and above and to one side of the end of said pipe whereby the parts and chips may move through the entire unobstructed area of said discharge pipe, a separator plate for receiving the parts and chips after they have passed through the said air blast, said separator plate having an opening therein substantially below the axial extension of the open end of said discharge pipe, and plate portions forming said separator plate extending angularly upwardly from the forward and rearward edges of said separator plate opening towards the axial extension of the open end of said discharge pipe, substantially for the purpose described.

2,356,466
WATER-SOLUBLE RESINS
James G. McNally and Fred C. Duennebier, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 12, 1942, Serial No. 426,496
6 Claims. (Cl. 260—45)

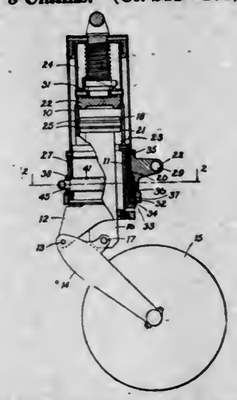
1. The water-soluble resin obtained by heating the reaction product of formaldehyde and a phenyl urea, the phenyl group of which contains a sulfonic acid group, with a phenol.

2,356,467
GRAMOPHONE PICKUP ARM
Robert Edgar Martin, South Devon, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application April 9, 1943, Serial No. 482,424
In Great Britain December 2, 1941
8 Claims. (Cl. 179—100.41)

1. In combination a pick-up arm for an electrical sound translating device, a pivot for said arm located intermediate its ends, and a floating weight for holding either end of said arm depressed when it is tilted either into its playing or non-playing position.

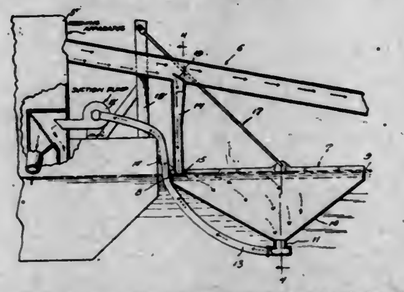


2,356,468
LANDING GEAR FOR AIRCRAFT
Sydney MacDonald Parker, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application August 11, 1942, Serial No. 454,419
In Great Britain February 25, 1942
8 Claims. (Cl. 244—104)



1. In aircraft landing gear including a landing element, a telescoping piston and cylinder shock absorber supporting said landing element from the aircraft body, and means mounting said shock absorber for rotary motion about its long axis; means rotatable about said cylinder, stationary adjustable braking means acting with uniform braking effect on the means rotatable about said cylinder and friction means interposed intermediate said cylinder and the means rotatable thereabout for retarding relative rotary motion of the two to an extent increasing as a function of the load on the shock absorber.

2,356,469
ATTACHMENT FOR DREDGES AND SIMILAR DEVICES
Edgar M. Pearson, Sulphur, La.
Application January 7, 1942, Serial No. 425,932
4 Claims. (Cl. 210—57)



1. In an attachment for dredges, a catch basin, means for mounting said basin on a dredge with

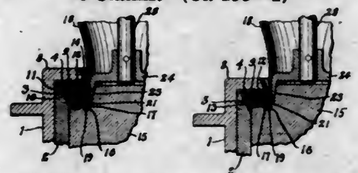
the basin substantially submerged in water floating the dredge, an exhaust wash conduit of a reclaiming apparatus extending from the dredge, means to convey fine materials from the conduit into the basin, suction means connected to the basin to remove therefrom the fine materials collected by said basin, said basin including means to permit the water to flow into and out of the basin.

2,356,470

METHOD FOR ATTACHING METAL RINGS TO PAPER BOTTLES

William Pelzer, Yonkers, and Harold H. Pelzer, New York, N. Y.

Application December 1, 1941, Serial No. 421,200
6 Claims. (Cl. 153—1)



1. The method of contracting and clinching upon a paper tube a metal U-shaped ring having its outer flange deeper than the inner flange and a rounded shoulder on the inner flange, which consists in seating the ring on a male die member, inserting the paper tube into the U-ring, forcing the outer flange of the ring axially into a female die member having an inward curve to contract the flange, simultaneously moving the paper tube with and in the same direction as the ring, continuing the axial movement of the ring and tube until the contracted end of the ring flange extrudes from the die member, and then compressing the outer ring flange in the axial direction between the die members to form a shoulder thereon and compress the paper at a downward angle between said shoulder and the shoulder of the inner flange.

2,356,471

METHOD OF MAKING FINE PARTICLE SIZE CARBON BLACK

John Rehner, Jr., Wadsworth, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application August 29, 1941, Serial No. 408,840
3 Claims. (Cl. 23—209.8)

3. The method of making a carbon black having a fine particle size which comprises bubbling a hydrocarbon gas through iron carbonyl, burning the gas in an atmosphere containing insufficient oxygen for complete combustion, and collecting the carbon black on a cool surface.

2,356,472

CONTAINER SEALING MACHINE

Clarence Wells Rothaug, Buffalo, N. Y.

Application February 4, 1941, Serial No. 377,343
5 Claims. (Cl. 226—56)



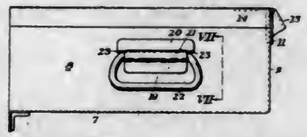
1. In a machine for operating on bags containing loose material, the combination of a support, a pair of belts arranged with their faces upright and above said support and running in spaced relation to each other in the same direction and between which spaced belts said bags are firmly gripped and advanced over said support in upright positions, guide members engaging the belts at the faces thereof opposite to those engaging said bags, said guide members converging in the direction of movement of the belts and bags and also having their upper portions in closer proximity to each other than their lower portions for pressing the contents of the bags gripped therebetween downwardly toward the bottoms of the bags.

2,356,473

TRAY CONSTRUCTION

Samuel Saul, Jr., Pittsburgh, Pa.

Application February 24, 1943, Serial No. 476,885
3 Claims. (Cl. 220—1)



1. For use on a rack structure having inclined tray supporting elements with a vertical series of notches providing hooks for engaging and supporting the trays, a tray structure formed of sheet metal with a bottom, end walls, and a back wall, the metal at the top of the back wall being folded over and flattened upon itself to provide a top portion of double thickness, the said portion of double thickness being outwardly folded upon itself and flattened down at each end and at the middle of the tray and being secured to the back wall of the tray where it is so flattened down, the portions intermediate the flattened down portions sloping downwardly and outwardly away from the back wall of the tray to provide elongated inverted hook engaging pockets.

2,356,474

ERASER FOR MECHANICAL PENCILS

Mark E. Savoie, Cleveland, Ohio

Application April 5, 1943, Serial No. 481,895
2 Claims. (Cl. 120—38)



1. In combination with a pencil barrel, a sleeve frictionally fitted in the inner end of the barrel, an interiorly threaded tubular member extended through the bore of the sleeve, said member having an exteriorly threaded portion projecting outwardly of the barrel and sleeve and an enlarged inner end portion holding the member against outward displacement, a cylindrical member mounted in end to end relation with the sleeve having an interiorly threaded bore therethrough co-axial with the bore of said tubular member, said cylindrical member being provided with an enlarged interiorly threaded counter bore engaging the projecting portion of the tubular member, that end of the cylindrical member remote from the sleeve having an interiorly threaded socket, a tubular eraser housing having its inner end exteriorly threaded and engaging said socket, a screw extended through and threadedly engaging the co-axial bores of said tubular and cylindrical members, said screw having a broad longitudinally flattened end slidably received in the barrel, means in the barrel to prevent rotation of said flat end, an eraser disposed for axial sliding movement in said housing, and a clamp attached to the inner end of the eraser and having swivel connection with the screw.

2,356,475

PHENOLIC AND NAPHTHOLIC COUPLERS CONTAINING SULPHONAMIDE GROUPS

Karl Schinzel, Zurich, Switzerland, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 24, 1939, Serial No. 263,945. In Austria July 7, 1936
12 Claims. (Cl. 95—6)

1. A color-forming photographic developer comprising an aromatic amino developing agent and a coupler compound selected from the group consisting of phenols and naphthols containing at least one sulphonamide group.

2,356,476

MOTOR FUELS

Sol Shappirio, Washington, D. C.

No Drawing. Application June 28, 1941, Serial No. 400,346
16 Claims. (Cl. 44—60)

1. A motor fuel of hydrocarbon type containing a compound containing an unsaturated organic radicle of not more than four carbon atoms in which an element is joined directly to carbon, said element being selected from the group consisting of lead, tin, antimony, zinc, phosphorus, silicon, arsenic, mercury and thallium.

2,356,477

HARDENERS FOR PHOTOGRAPHIC PROCESSING SOLUTIONS

Cyril J. Staud, Rochester, N. Y., and Catherine Salo Popper, Fort Davis, Tex., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 25, 1941, Serial No. 385,146
9 Claims. (Cl. 95—88)

1. The method of hardening a photographic gelatin layer of an exposed photographic element including a silver halide layer which comprises treating said gelatin layer with a solution containing a dialkyl diketone.

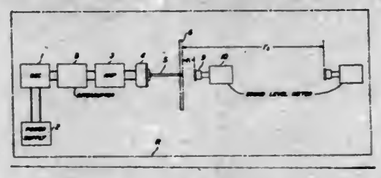
2,356,478

METHOD OF ACOUSTIC MEASUREMENT

Norman R. Stryker, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 25, 1942, Serial No. 452,377
6 Claims. (Cl. 181—0.5)

1. In determining the acoustic absorption of an enclosed space of known surface area, the method of eliminating from said determination the effect of standing sound waves in said space which comprises generating a short sound pulse at a selected point in said space, measuring the relative energy densities produced by said pulse



at a plurality of points in said space unequally distant from said selected point, measuring the distances of said points from said selected point and computing said absorption from a formula involving only said area, said distances and said relative densities.

2,356,479

POLYVINYL ACETAL RESINS

Donald R. Swan, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 12, 1940, Serial No. 356,501
10 Claims. (Cl. 260—73)

1. A polyvinyl acetal resin in which at least a part of the acetal groups are alkoxyacetaldehyde acetal groups selected from the group consisting of methoxyacetaldehyde and ethoxyacetaldehyde acetal groups.

2,356,480

POLYVINYL ACETAL RESINS

Donald R. Swan, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Original application March 15, 1939, Serial No. 262,069. Divided and this application November 26, 1941, Serial No. 420,545
5 Claims. (Cl. 260—73)

1. A polyvinyl acetal resin containing a hydroxyl group content equivalent to not more than 15% by weight of polyvinyl alcohol and an ester group content equivalent to not more than about 10% by weight of polyvinyl ester, from about 70 to about 80 mole percent of the acetal groups in said resin being acetaldehyde acetal groups and the remainder of the acetal groups being branched-chain saturated aliphatic aldehyde acetal groups containing from 5 to 8 carbon atoms.

2,356,481

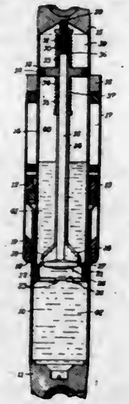
SHOCK ABSORBING SUSPENSION DEVICE FOR VEHICLES

Peter Warborn Thornhill, Leamington Spa, England, assignor to John Henry Onions, Coventry, England

Application June 26, 1942, Serial No. 448,707
In Great Britain July 14, 1941
12 Claims. (Cl. 267—64)

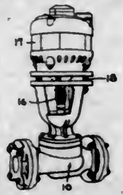
1. A telescopic liquid-damped shock absorber utilizing compressed gas as a resilient medium for supporting the normal load, said shock absorber including telescopically-related cylinders defining a lower liquid-charged space and an upper gas-charged space, a damping valve in the liquid receiving space, a control piston in the gas-receiving space, means connecting said control piston to

said damping valve so that the former operates to control the latter, the control piston being sub-



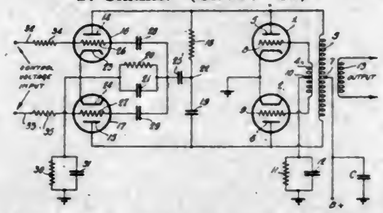
jected on one side to fluctuating pressure of the liquid and on the opposite side to a gas pressure corresponding to the static load on the shock absorber, the surface area of the control piston subjected to fluctuating liquid pressure being greater than the area of the damping valve oppositely acted on by the same pressure, whereby the opening movement of the damping valve is retarded during recoil stroke of the shock absorber.

2,356,482
WATER CIRCULATOR
Marquis O. Thrush, Peru, Ind., assignor to The Thrush Company, Peru, Ind.
Application September 27, 1940, Serial No. 358,736
1 Claim. (Cl. 308—36.1)



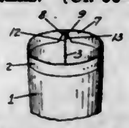
In combination with a rotatable shaft and a radial thrust bearing therefor, a combined thrust bearing and seal assembly comprising a carbon seal and bearing ring surrounding said shaft and having a surface in sealing engagement with said thrust bearing, said ring having a relatively flat surface portion at its extremity opposite its sealing surface, a holder for said carbon ring secured to said shaft for rotation therewith, said holder having a cup-shaped relatively deep substantially flat-bottom socket for said carbon ring, a relatively thin resilient cushioning member in said socket resting against said flat bottom, said carbon ring having a substantial portion located in said socket and having its flat surface and the flat bottom of the socket cooperatively confining said cushioning member therebetween, and being capable of slight relative tilting by the resiliency of said cushioning member, said socket and said carbon ring fitting together in a manner to substantially exclude liquid from said cushioning member and therefore avoid swelling of said cushioning member and consequent leakage of the seal, and means for causing said carbon ring to rotate with its holder.

2,356,483
FREQUENCY CONTROL SYSTEM
Charles Travis, deceased, late of Wyndmoor, Pa., by Yvonne Travis, administratrix, Wyndmoor, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 2, 1942, Serial No. 449,505
17 Claims. (Cl. 250—36)



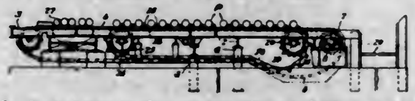
1. A frequency control circuit for shifting the frequency of an oscillator having a tank coil, comprising a pair of control tubes having triode elements, means connecting the plate of each of said tubes to the oscillator tank coil, a network including series-connected resistance and capacitance elements connected in shunt to said tank coil, means connecting the grids of said tubes to the junction of said elements, a connection between the cathodes of said tubes and said junction, and a network including parallel-connected resistance and capacitance elements in said connection, said first named resistance and capacitance elements being equal respectively to said last-named resistance and capacitance elements, the resistance of each of said resistance elements being substantially equal to the reactance of each of said capacitance elements at the operating frequency.

2,356,484
WELT FOR HOSIERY
Lester D. Wagenhorst, Reading, Pa., assignor to The Nolde and Horst Company, Reading, Pa., a corporation of Pennsylvania
Application October 23, 1943, Serial No. 507,369
6 Claims. (Cl. 66—173)



1. A turned welt for a flat-knitted stocking, comprising an inner welt fold having side edges spaced inwardly from the side edges of said welt outer fold, and a longitudinal seam extending to the folded top of said welt and engaging only the outer fold side edges thereof.

2,356,485
TUBULAR ARTICLE CONVEYER
Samuel Webb, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey
Application December 30, 1942, Serial No. 470,607
4 Claims. (Cl. 198—161)



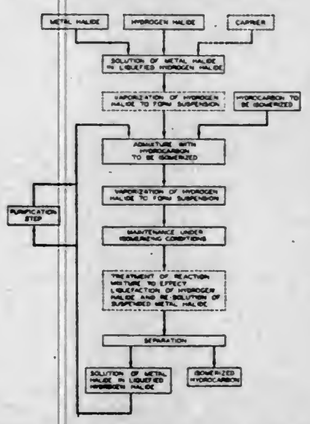
1. A conveyer for conveying tubular articles comprising a frame member, a plurality of spaced

apart substantially parallel inclined members arranged on said frame member, each of said spaced apart members having a longitudinally extending groove arranged in the upper side thereof, a movable endless chain arranged in each of said grooves with the axes of the tubular articles adapted to be disposed substantially perpendicular to the direction of travel thereof, a plurality of spaced apart upwardly extending members carried by each of said endless chains for spacing the tubular articles from each other, and a plurality of additional spaced apart movable inclined endless chains arranged on said frame members substantially parallel to said first mentioned chains and which are adapted to travel in a direction opposite that from said first mentioned endless chains and upon which the tubular articles are adapted to rest and roll therealong due to gravity, said last mentioned endless chains adapted to rotate the tubular articles at a predetermined rate while the same roll therealong.

2,356,486
STAIN PREVENTION IN COLOR PHOTOGRAPHY
Arnold Weissberger and Paul W. Vittum, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 15, 1943, Serial No. 483,186
11 Claims. (Cl. 95—6)

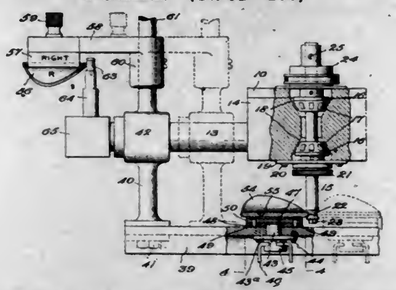
1. A color-forming photographic silver halide emulsion comprising a non-diffusing color coupler incorporated therein and, as an inhibitor of color fog, a dihydroxy maleic acid ester of an aliphatic alcohol containing at least five carbon atoms.

2,356,487
ISOMERIZATION OF HYDROCARBONS
John D. Upham, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 10, 1942, Serial No. 454,310
15 Claims. (Cl. 260—683.5)



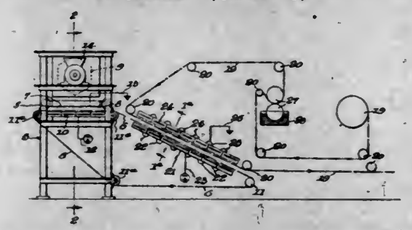
11. A process of effecting the catalytic isomerization of paraffinic and cycloparaffinic hydrocarbons which comprises dissolving an anhydrous normally solid polyvalent metallic halide isomerization catalyst in an anhydrous liquefied hydrogen halide to form a solution, vaporizing sufficient of said hydrogen halide to precipitate at least a portion of said metallic halide as a finely divided solid and contacting fluid hydrocarbons to be isomerized with said finely divided metallic halide and with at least a portion of said hydrogen halide, and maintaining the resulting mixture under isomerizing conditions.

2,356,488
MACHINE FOR BEVELING THE EDGES OF LENSES
Ernst O. Kollmorgen, Mountain Lakes, N. J.
Application June 30, 1942, Serial No. 449,065
3 Claims. (Cl. 51—100)



2. A machine for beveling the edges of lenses comprising a stationary table, a plurality of upright grinding shafts rotatably carried by said table and projecting beyond the same in opposite directions, grooved grinding members of relatively small diameter mounted on said shafts beneath said table, means for operating said grinding members, means for removably supporting a plurality of lenses, means whereby said lens supporting means is operated to progressively adjust the edges of said lenses in grinding contact with said grinding members to progressively bevel said edges, and control means whereby the progressive grinding contact of said lens edges with said grinding members is predetermined.

2,356,489
APPARATUS FOR COATING
John O. Amstuz, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts
Application August 19, 1939, Serial No. 291,086
12 Claims. (Cl. 91—8)



12. In an apparatus for depositing comminuted, pile-surface forming material upon an adhesively coated backing sheet, a conveyor for conveying a layer of such material into proximity to the adhesively coated backing sheet, and means for breaking-up bunches or clusters of such material and for depositing the same in evenly dispersed condition on the conveyor, the last-mentioned means comprising a vibrating screen above the conveyor, an electrode below the

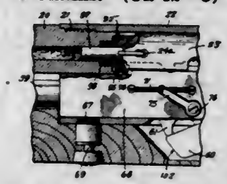
conveyor, means for delivering comminuted material to the screen, and means for establishing between the screen and the lower electrode, an electrostatic field of alternating polarity, whereby electrostatic charges of like polarity are momentarily imparted to the particles and the bunches or clusters are broken up and the particles dispersed by the mutually repellent forces resulting from said charges.

2,356,490
HIKING BOOT
James A. Crotty, New York, N. Y., assignor to William Sherman, South Norwalk, Conn.
Application January 26, 1943, Serial No. 473,589
3 Claims. (Cl. 36—45)



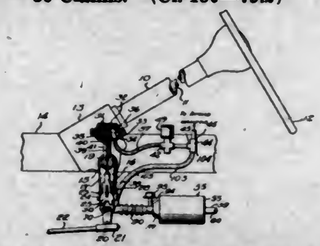
1. A hiking boot comprising a flexible upper which covers the lower leg and the calf of the wearer and a sole member secured thereto, said upper comprising two parts, a front and a rear part, said parts being secured together only substantially at the junction of said upper with said sole member whereby said upper may be folded back upon itself substantially to said sole member, and means for fastening said parts about the calf of the wearer.

2,356,491
FIREARM
Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application October 31, 1940, Serial No. 363,613
3 Claims. (Cl. 42—3)



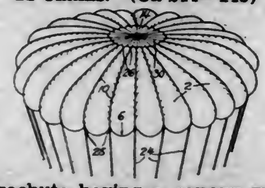
1. In an autoloading firearm: a barrel; a tubular cartridge magazine located adjacent said barrel; a receiver; a breech block therefor; a chambered actuator interposed between the barrel and the breech block, said breech block operatively engaging said actuator when in closed position; a cartridge feed box removably mounted in said receiver and having an upstanding portion located within the receiver and adjacent the rear end of the barrel, said upstanding portion serving as a rearward stop for said chambered actuator, said cartridge feed box having a passage therethrough for the reception of cartridges from said tubular magazine; and means to hold said cartridge feed box in assembled position in said receiver.

2,356,492
POWER STEERING MECHANISM
George Tucker Smith, Richmond, Va., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia
Application February 25, 1941, Serial No. 380,563
39 Claims. (Cl. 180—79.2)



1. In a steering mechanism for a motor vehicle having a steering wheel and motion transmitting means for transmitting steering movements to the dirigible wheels of the vehicle, a power device having mechanical connection with said motion transmitting means, a control mechanism for said power device operable by the steering wheel and by the power device and constructed and arranged to cause a follow-up operation of the power device with respect to the steering wheel upon any turning movement of the latter, and means constructed and arranged for selective operation for directly transmitting manual movement of the steering wheel to said motion transmitting means, or for rendering the steering wheel ineffective for manually actuating said motion transmitting means while rendering the latter operable by said power device.

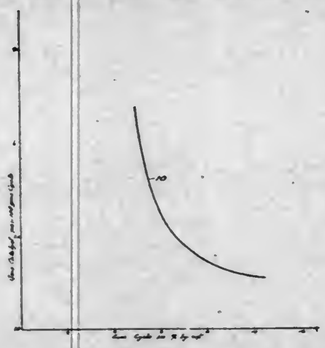
2,356,493
PARACHUTE
Prevost F. Smith, Manchester, Conn., assignor to Pioneer Parachute Company, Inc., Manchester, Conn., a corporation of Connecticut
Application February 25, 1942, Serial No. 432,213
11 Claims. (Cl. 244—145)



5. A parachute having a canopy with a plurality of elements extending radially of the canopy and secured to the material of which the canopy is formed, the extended dimensions in both radial and transverse directions of the material between adjacent elements exceeding the corresponding dimensions of the sector of the surface defined by said elements when the parachute is in use, whereby said material is maintained in a loose condition when the parachute is in use.

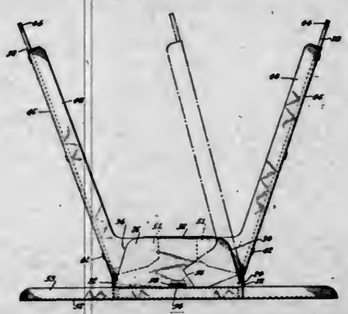
2,356,494
POLYMERIZATION OF CYCLOPENTADIENE TYPE COMPOUNDS
Samuel G. Trepp, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application November 2, 1940, Serial No. 364,018
10 Claims. (Cl. 260—92.6)

1. In a process for catalytically polymerizing an unsaturated compound selected from the group consisting of cyclopentadiene and alkyl substituted cyclopentadienes having the cyclopentadiene nucleus containing the characteristic conjugated double bonds in the substantial absence of compounds of other types polymerizable under the conditions obtaining wherein substantially undiluted gaseous boron trifluoride is employed as catalyst, the steps of preventing the total formation of benzene-insoluble polymers



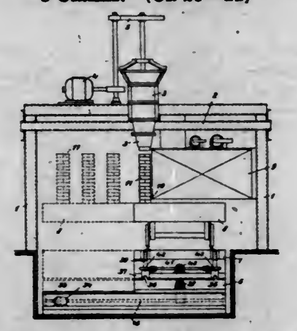
comprising thoroughly agitating the reaction mass while maintaining the reaction temperature not in excess of 100° C., maintaining the concentration of said unsaturated compound not in excess of 11% by weight, maintaining the proportion of catalyst to said unsaturated compound not in excess of 10% by weight, and stopping the reaction while benzene-soluble polymer is present in the reaction mass.

2,356,495
CARD REGISTER
Gilbert L. Anderson, Flushing, and Frank C. Ryan, Yonkers, N. Y.; vested in the Alien Property Custodian
Application December 10, 1942, Serial No. 468,596
4 Claims. (Cl. 129—16)



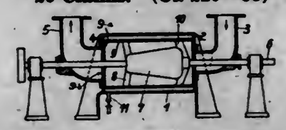
4. In card indexing devices, in combination, an elongated base of non-metallic material, side strips secured to the respective longer sides of the base and extending thereabove, positioning members supported by the side strips in parallel relationship for the reception and disposition of cards formed along their lower edges with tabs defining slots for reception over the positioning members, a rectangular metallic frame telescoped over the base member and the side strips and secured thereto and whereof the extremities of the ends of the frame member are inwardly turned, said side strips being recessed at opposite ends to receive the inwardly turned extremities, the end members of said metallic frame member extending upwardly above the base member and said extensions being reversely bent to parallel relationship with the upwardly extending portions of the end members, movable side walls respectively hingedly connected with the side members of the frame member and cooperating hinge members secured to the movable side walls.

2,356,496
METHOD AND APPARATUS FOR THE PRODUCTION OF CERAMIC SHAPED BODIES, ESPECIALLY CLAY TILES
Wilhelm Avenhaus, Zwickau, Germany; vested in the Alien Property Custodian
Application September 24, 1940, Serial No. 358,175
In Germany October 5, 1939
8 Claims. (Cl. 25—11)



2. Apparatus for the manufacture of prismatic ceramic bodies comprising, means for periodically downwardly discharging clay in the form of a column of predetermined length, means for subdividing the formed column both parallel to and also at right angles to the direction of discharge, underlying means for supporting the column during subdivision, and means for moving said supporting means downwardly and laterally upon completion of said severing, whereby to remove the severed portion of the column from the remainder thereof and to displace said portion to make room for another column.

2,356,497
APPARATUS FOR THE CONTINUOUS PURIFICATION OF SUSPENSIONS OR SLUDGES, ESPECIALLY OF FIBROUS PULP OF THE PAPER INDUSTRY
Helmuth Banning, Duren, Germany; vested in the Alien Property Custodian
Application August 29, 1939, Serial No. 292,382
In Germany August 31, 1938
20 Claims. (Cl. 210—68)



1. An apparatus for the continuous purification of suspensions or sludges particularly of fibrous pulp as used in the paper industry, which contain contaminations of higher specific gravity, comprising a fixed casing, an enclosed drum having inlet and discharge openings at its ends, respectively, and apertures only on its cylindrical face, rotatably arranged in said casing, said drum

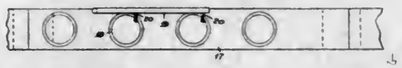
being provided with inwardly and outwardly extending radial annular members forming communicating annular compartments adjacent the cylindrical wall of said drum, said apertures being of a size exceeding that of the contaminations, inlet means for unobstructedly admitting the suspension and the contaminations into the interior of the drum, outlet means for discharging the purified suspension from the interior of the drum at the end of the drum, said outlet being restricted to cause a higher density of pulp in the space between said drum and casing and an accumulation of said contaminations in said space, an additional outlet for purified suspensions concentric with said drum and of such diameter that said suspensions flow freely therethrough in a substantially axial direction, and means for the rapid rotation of the drum to cause contaminations of higher specific gravity to pass out through said apertures.

2,356,498

METHOD OF PRESERVING FOODSTUFFS

Adolf Bargeboer, The Hague, Netherlands; vested in the Alien Property Custodian

Application September 24, 1940, Serial No. 358,093
In the Netherlands December 23, 1939
1 Claim. (Cl. 99—150)



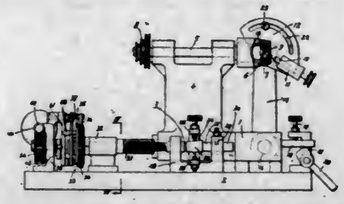
A method of vacuum packing foodstuffs consisting largely of water comprising the steps of filling the water containing foodstuff into a container to a level short of the capacity of the container, to form an air zone in the upper portion of the container, slowly feeding substantially tangentially to the surface of said foodstuff a small amount of water soluble gas directly into said zone to displace the air therefrom, without disturbing the surface of the foodstuff contents, sealing the container tightly, and thereafter causing dissolution of the gas in the water contained in the foodstuff contents to produce a vacuum in the container on top of the foodstuff contents.

2,356,499

SEMIAUTOMATIC MACHINE INTENDED FOR FINISHING THE GROOVES OF BALL BEARING RINGS

Emile François Louis Beduneau, Thomery, France; vested in the Alien Property Custodian

Application January 2, 1942, Serial No. 425,448
In France December 4, 1940
5 Claims. (Cl. 51—105)



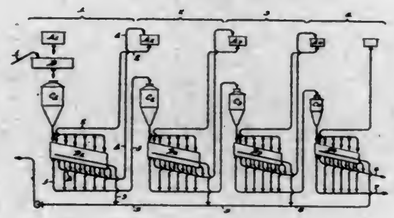
1. A machine for finishing the torus surfaces of grooves of ball bearing rings comprising a frame, a carriage mounted in said frame for limited tilting movement about an axis extending longitudinally of the frame, means in said carriage for supporting a rotary chuck shaft the axis whereof is parallel to the axis of tilting of said carriage, a chuck on said shaft for holding the ring to be machined with the main axis of the torus surface concentric with the axis of the chuck shaft, a column on said frame adjacent said chuck, means on said column for supporting a rotary tool shaft, a tool driven by said tool shaft with its cutting edge operative in a circle lying in a bi-tangential plane of the torus surface, means for setting said tool and tool shaft to bring the cutting edge of said tool into any desired bi-tangential plane, means for holding said tool and tool shaft in such set position, and mechanism for intermittently progressing the tilting of said carriage.

2,356,500

METHOD FOR SACCHARIFYING CELLULOSIC MATERIALS BY MEANS OF DILUTED MINERAL ACIDS

Firmin Charles Boinot, Melle, France; vested in the Alien Property Custodian

Application April 18, 1942, Serial No. 439,604
In France March 27, 1941
4 Claims. (Cl. 127—37)



1. A method for gradually saccharifying cellulosic material which comprises passing said material successively through a plurality of separate cooking zones and desugaring zones in alternating sequence, each successive coating zone being maintained at a higher temperature, the material being cooked in each cooking zone for a predetermined time with an aqueous weak mineral acid solution to produce sugar therefrom, and subjected to exhaustive diffusion with an aqueous liquid having a less acid content than said cooking solution, for removing the whole amount of sugar from said material and saturating the same with acid for the next cooking step so that the next cooking step is performed with a weaker acid solution than the previous step.

2,356,501

CARRYING AGENT FOR SPICE OILS AND PROCESS OF PREPARING SAME

Robert O. Brown and Chastain G. Harrel, Minneapolis, Minn., assignors to Pillsbury Flour Mills Company, Minneapolis, Minn., a corporation of Delaware

No Drawing. Application November 20, 1942, Serial No. 466,364
4 Claims. (Cl. 99—140)

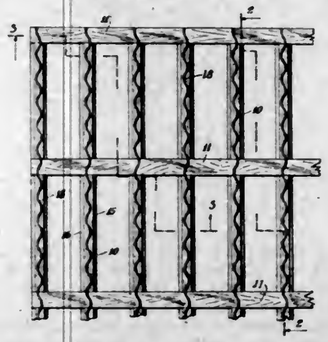
1. The process of preparing a synthetic spice which consists in heating under steam pressure in a closed chamber, a cereal grain product approaching the fineness of flour and simultaneously excluding air from said chamber until the natural sugars of the cereal grain product have been caramelized, cooling the caramelized cereal grain product and thereafter adding a spice oil thereto.

2,356,502

GRATING

Herbert H. Bunker, Jersey City, N. J., assignor to Kerlow Steel Flooring Company, Jersey City, N. J., a corporation of New Jersey

Application October 15, 1942, Serial No. 462,102
3 Claims. (Cl. 94—30)



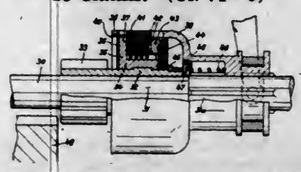
1. In a ventilated floor grating, the combination comprising parallel non-metallic beam elements running lengthwise of the grating and spaced from each other, parallel non-metallic cross-members running crosswise of the grating and spaced from each other, said cross-members having notches in their lower edges and said beam elements having notches in their upper edges which engage at intersections of the cross-members and beam elements, said notches being of such depth as to contact at their bottoms and locate the upper edges of the beam elements and cross-bars in the floor of the grating, and metallic strips extending along the whole length of the upper edges of the beam elements and continuing over a series of cross-members for providing wear-protection for the non-metallic floor surface, said metallic strips being embedded below the floor surface of the grating and interlocking the beam elements and cross-members at their intersections and thereby locking the cross-members down with the bottoms of the notches in contacting relationship.

2,356,503

STARTER DEVICE FOR INTERNAL-COMBUSTION ENGINES

Albert Callsen, Stuttgart-Botnang, and Adolf Weiss, Marbach-on-the-Neckar, Germany; vested in the Alien Property Custodian

Application November 4, 1940, Serial No. 364,272
In Germany October 20, 1939
15 Claims. (Cl. 74—6)



1. A starter device comprising a driving shaft, a pinion which is freely slidable and rotatable on the driving shaft and formed with a threaded hub portion, a friction clutch including a shell portion, said shell portion being axially slidable on and rotatable with the driving shaft, a nut member seated on said threaded hub portion for longitudinal movement thereof and rotary movement therewith, said friction clutch being operatively connected to said nut member and being controlled by the latter, a friction disk for cooperation with said shell portion and said nut, said disk and nut being arranged to be initially pressed together separately from said clutch and means for axially moving said nut member by said shell portion, through said friction disk, said means also serving to initially press together said disk and nut.

2,356,504

OIL WELL PUMP AND THE LIKE

Roy L. Chenault, Oil City, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application March 20, 1944, Serial No. 527,285
6 Claims. (Cl. 103—240)



1. Apparatus for pneumatically pumping liquids from wells which comprises an inlet for gaseous fluid under pressure, a displacement chamber adapted to be positioned in the liquid in a well, ball check valve means for venting the chamber of entrapped gas to the well, a second ball check valve means for controlling the delivery of gaseous fluid from said inlet to said chamber, a vertically reciprocable eduction tube in communication with the lower part of said chamber and extending therefrom to the top of the well, and cam means carried by said eduction tube for operating said valves in accordance with the reciprocation of the tube, whereby when the tube is lowered gaseous fluid is admitted to the displacement chamber and when the tube is raised the displacement chamber is vented to the well.

2,356,505

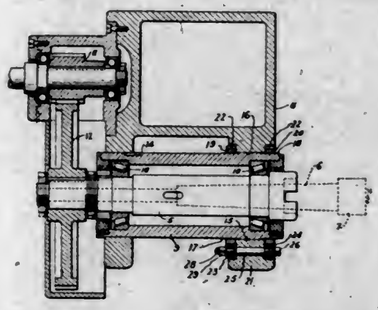
PROCESS FOR STERILIZATION OF ORGANIC SUBSTANCES

Henry Marinus Christensen, Copenhagen, Denmark; vested in the Alien Property Custodian

No Drawing. Application March 11, 1942, Serial No. 434,266. In Denmark May 20, 1941
5 Claims. (Cl. 21—2)

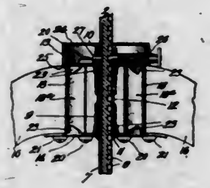
1. A process for the sterilization of materials containing bacteria at least in part in form of resistant spores, which comprises subjecting the material to conditions favorable to the growth of said bacteria and the germination of said spore for a time sufficient to germinate substantially all the spores of said bacteria with the substantial disappearance of the spore form, said time being limited so that substantially no additional resistant spores are formed and then sterilizing the material.

2,356,506
SPINDLE MOUNTING
De Witt Clausen, Chicago, Ill., assignor to Lucien I. Yeomans, Inc., Chicago, Ill., a corporation of Illinois
Application October 9, 1942, Serial No. 461,475
6 Claims. (Cl. 308—207)



1. A spindle mounting having, in combination, a sleeve rotatably supporting the spindle, a member slidably supporting said sleeve for axial adjustment, said sleeve being externally threaded on opposite sides of said member, spur gears threaded onto said sleeve threads to clamp the sleeve to said member, a shaft journaled in said member parallel to said sleeve, a pinion fast on said shaft and meshing with one of said gears, a pinion loose on said shaft and meshing with the other gear, and means on said pinions for engaging tools by which the pinions may be turned.

2,356,507
POSTURE CHAIR
Roy A. Cramer, Kansas City, Mo.
Application June 29, 1942, Serial No. 449,009
4 Claims. (Cl. 155—138)



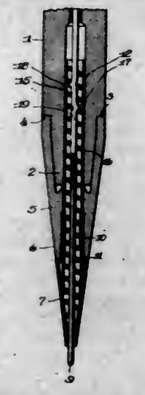
2. In a chair having a seat and a post depending therefrom, a series of supporting legs and a spider provided with a catch for securing the post to the spider at different elevations; the spider comprising a sleeve embracing the post as a bearing therefor, a top plate encircling and secured to the sleeve and overlying and secured to the legs, a bottom plate encircling the sleeve and secured to the said legs, and laterally-spaced arcuate plates between the legs and the plates to stiffen and space the latter apart, and having inturned vertical flanges to bear against opposite sides of the legs between the perimeters of the plates and the said sleeve, and manually-bendable tongues stamped from the plates and engaging said laterally-spaced flanges for spreading them apart to maintain them tightly pressed against the sides of adjacent legs.

2,356,508
AIR TUBE FOR PNEUMATIC TIRES
Alfred Louis Couturier, Orleans, France; vested in the Alien Property Custodian
Application May 5, 1942, Serial No. 441,860
In France December 9, 1941
4 Claims. (Cl. 152—338)



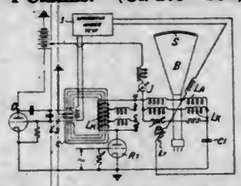
1. In combination with an air tube divided into cells, an air supply tube located at least partly in the air tube, a flexible partition in said air supply tube adapted and arranged to divide it into two separate chambers, the air supply tube having apertures located on one side of the partition to place one chamber in communication with each cell, said partition being responsive to excess pressure in the other chamber over the pressure in the first-named chamber for closing said apertures; and a single valve for conveying inflating air to the air tube, adapted selectively to supply inflating air to either of said chambers, including a radially movable inner member secured to said flexible partition.

2,356,509
MECHANICAL PENCIL AND METHOD OF MAKING SAME
Frank C. Deli, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application September 27, 1943, Serial No. 503,937
16 Claims. (Cl. 120—18)



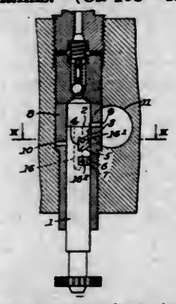
1. In a mechanical pencil, a barrel, a tip rotatably mounted on the barrel, a metal nose on said tip, said nose having a rearwardly extending collar, a metal tube having its front end portion inserted into said collar, a coil spring within the tube, the collar tightly gripping the adjacent portion of the tube, and the last mentioned portion of the tube tightly gripping the adjacent portion of the coil spring, and a propeller having a lateral projection engageable between the coils of the coil spring to move the propeller longitudinally when the tip is rotated relatively to the barrel, and means for holding the propeller against rotation with relation to the barrel when the tip is rotated thereon.

2,356,510
ARRANGEMENT FOR MEASURING FREQUENCY CHARACTERISTICS
Peter Deserno, Berlin, Germany; vested in the Alien Property Custodian
Application September 6, 1940, Serial No. 355,599
In Germany September 9, 1939
4 Claims. (Cl. 175—183)



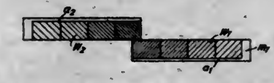
1. A testing device for recording electrical frequency characteristics of a circuit on the screen of a cathode ray tube by deflection of the beam thereof, comprising a source of periodically varying testing frequency for application to the circuit to be tested, beam deflecting means for connection to the circuit under test, beam deflecting coils for causing a time base deflection of said beam at an angle to the testing deflection, said source including a control coil for controlling the periodic variations of said testing frequency, and pulsating direct current supply means, said beam deflecting coils and said control coil being connected in series with each other and with said pulsating direct current supply means whereby the variations in said testing frequency and said time base deflections are effected by the same current.

2,356,511
PISTON AND CYLINDER SYSTEM
Paul Descourtis, Paris, France; vested in the Alien Property Custodian
Application April 2, 1942, Serial No. 437,428
In France March 29, 1941
17 Claims. (Cl. 103—41)



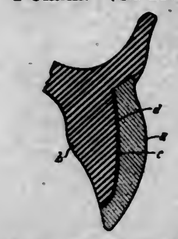
1. A pump, which comprises, in combination, a cylinder, a piston slidable in said cylinder, one of these two parts being provided with at least one port means connected with a fluid supply, at least two independent sets of distributing means carried by the other of said two parts, adapted to cooperate with said port means, said piston and cylinder being rotatable with respect to each other so as to permit of bringing either of said sets of distributing means alternatively into cooperating relation with said port means.

2,356,512
VARIABLE RESISTOR
Friedrich Gieffers, Berlin-Spandau, Germany; vested in the Alien Property Custodian
Application September 4, 1940, Serial No. 355,289
In Germany July 7, 1939
7 Claims. (Cl. 201—55)



1. A variable electric resistance device, in particular for high-power duty, comprising a solid resistance body and a contact device for varying the effective resistance of said body, said device comprising two contacts engaging said body at opposite sides to pass current through said body along a current path extending across said body, one of said contacts being firmly attached to said body and having a contact surface extending over the major portion of the appertaining-contact surface of said body, said other contact being slidable along said contact surface of said body, and means for moving said latter contact relative to said body to vary the resistance of the current path extending between said contacts through said body while displacing the location of said path within said body.

2,356,513
PROCESS FOR INCREASING THE RETENTION CAPACITY OF THE SEALING SURFACE OF ARTIFICIAL PORCELAIN TEETH
Paul Jean Jacques Gonon, Paris, France; vested in the Alien Property Custodian
Application March 3, 1942, Serial No. 433,206
In France May 27, 1939
1 Claim. (Cl. 117—33)

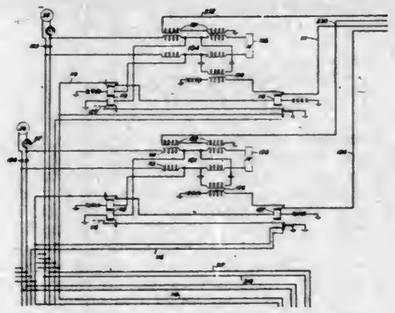


A process for increasing the retention capacity of the sealing surface of artificial porcelain teeth which comprises, coating the sealing surface of the tooth with a mixture of a substance having an adhesive capacity at ordinary temperatures and of a ceramic material having a fusing point inferior to that of the tooth porcelain, sprinkling elongated particles of alumina on the coated surface said particles having a particle size between 300 and 720 microns, orienting said particles so that they are held by their most narrow base upon the coated surface and extend substantially outwardly therefrom, and then subjecting said tooth to a firing operation.

2,356,514
ELECTRICAL SWITCHING
Robert E. Graham, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 9, 1942, Serial No. 461,433
9 Claims. (Cl. 179—18)

1. The combination with a group of lines of a device for producing a connecting beam of energy,

means including said device for establishing communicative connection between any pair of lines of said group, means for producing a controlling beam of energy, means for deriving a plurality



of voltages from said controlling beam, means for varying the magnitudes of said derived voltages, and means for utilizing said voltages to control the position of said connecting beam to select a desired line.

2,356,515

METHODS FOR PRODUCING MANGANESE IN METAL STATE AND PURE MANGANESE DIOXIDE, IF DESIRED, FROM MANGANESE ORES

Pietro Guareschi, Genoa, Italy; vested in the Alien Property Custodian

No Drawing. Application September 18, 1941, Serial No. 411,430. In Italy October 8, 1940
1 Claim. (Cl. 204—105)

The cyclic process of producing metallic manganese from impure manganese dioxide ores, which consists in treating the ore with sulphuric acid in the presence of ferrous sulphate, adding metallic manganese to the resulting solution to precipitate metal impurities less electro-positive than manganese, adding manganese dioxide to convert the iron to the ferric state, neutralizing the solution by the addition of an alkali to precipitate ferric iron, filtering out the latter, electrolyzing the filtrate in a diaphragm-type cell to deposit metallic manganese at the cathode and manganese dioxide at the anode, utilizing the electrolytically separated manganese and manganese dioxide as supply in the above precipitating and oxidizing steps respectively, treating the precipitated ferric iron with the catholyte to regenerate the solution and returning it to the ore dissolving step.

2,356,516

PROCESS FOR THE MANUFACTURE OF HYDROPHILIC POLYMERIZATION PRODUCTS OF THE SUPERPOLYAMIDE TYPE

Max Hagedorn, Dessau, Germany; vested in the Alien Property Custodian

No Drawing. Application September 5, 1940, Serial No. 355,454. In Germany July 18, 1939
4 Claims. (Cl. 260—78)

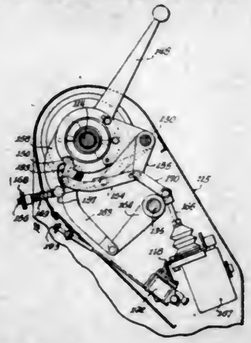
1. A process for making hydrophilic linear polyamides which comprises heating to polymerizing temperature until condensation takes place the hydrohalide of an omega monoaminomonocarboxylic acid containing at most 3 carbon atoms between the amino- and carboxyl groups, with a polyamide-forming composition consisting of an omega monoaminomonocarboxylic acid containing at least 4 carbon atoms between the amino- and carboxyl groups, said hydrohalide being present in an amount of from 20% to 100% by weight of said polyamide-forming composition.

2,356,517

HYDRAULIC CONTROL SYSTEM FOR EXCAVATING CRANES

John D. Hale, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application February 5, 1940, Serial No. 317,335
3 Claims. (Cl. 60—54.6)



3. In a hydraulic control the combination comprising a movable control member, hydraulic displacement means, continuously sliding controllable friction-driven means adapted to act upon said hydraulic displacement means, a source of power for driving said friction-driven means, means connecting said control member to said hydraulic displacement means, and resilient adjustable means associated with said connecting means and adapted to cause and control engagement of said continuously sliding friction-driven means with said source of power.

2,356,518

PROCESS FOR THE PRODUCTION OF WOOL-LIKE RAYON

Georges Heberlein, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

No Drawing. Application March 12, 1943, Serial No. 478,913. In Switzerland March 27, 1942
7 Claims. (Cl. 57—157)

1. Process of producing wool-like artificial silk yarns of regenerated cellulose, which comprises taking such a yarn which has been relatively highly twisted and subjecting it to treatment with a strong swelling agent consisting of a chemical medium capable of swelling the yarn and continuing that swelling treatment until the yarn is appreciably swollen, thereafter washing the yarn, detwisting it beyond the zero point and drying.

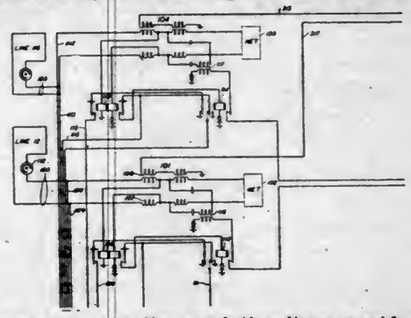
2,356,519

COMMUNICATION SYSTEM

Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 9, 1942, Serial No. 461,429
12 Claims. (Cl. 179—18)

1. The combination with a plurality of lines of a connecting circuit, a controlling mechanism, means for registering in said mechanism the designations of any pair of said lines, means for repeatedly scanning said mechanism, and means controlled by said scanning means in accordance



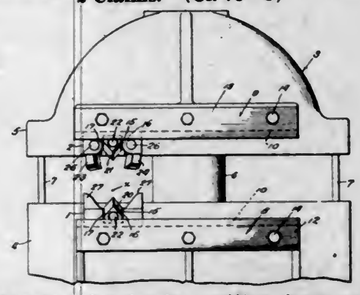
with said designations each time it scans said controlling mechanism for establishing a communicative connection between the lines of said pair over said connecting circuit.

2,356,520

DIE FOR FORGING THE CUTTING FACES OF ROCK DRILL BITS

Stephen Peter Humphrey, Max Meadows, Va.

Application October 7, 1943, Serial No. 505,395
2 Claims. (Cl. 76—5)



2. Die tool for forging cutting faces on drill bits comprising a pair of cooperating die blocks adapted to be brought together in a press, a pair of similar cutters having tetrahedral cutting ends pivotally mounted in spaced relation on one block to swing into point to point contact, springs thrusting between said cutter and blocks to normally hold said cutters in retracted position, the other block having a pair of similar cams engageable by said cutters for causing them to move together responsive to the relative approach movement of said blocks, and a pair of cutters, fixed one with respect to each block having tetrahedral cutting faces similar to the cutting faces of said movable cutters positioned to be moved into point to point contact with one another and with the points of said movable cutters and with cutting edges in linear contact.

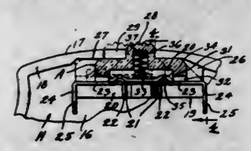
2,356,521

SWITCH STRUCTURE

William B. Kochner, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application June 1, 1942, Serial No. 445,340
8 Claims. (Cl. 200—157)

8. A switch structure comprising a hollow handle being formed in two parts with a cavity between said parts constituting a housing for the switch mechanism, said handle parts having shelf elements projecting toward each other, a pair of elongated stationary contacts on said shelf elements and each having a hump and a terminal end substantially normal to the plane of the stationary contacts, said shelf elements having notches registering with each other and receiving said terminal ends when said two handle parts are assembled, a switch actuator slidable on said shelf elements and confined between the shelf elements and a wall of said handle, a



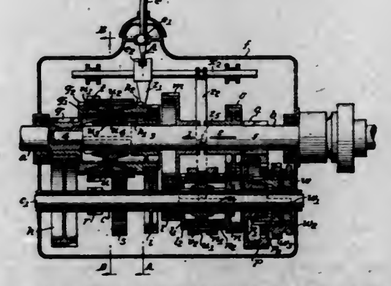
movable contact carried by said switch actuator and having depressions to receive said humps when said movable contact bridges said stationary contacts, said movable contact in off position of the actuator being supported on only one of said humps, said actuator having a thumb engageable portion and said wall of each part of said handle having a second notch, said second notches registering to form a slot when said two parts are assembled through which said thumb engageable portion slidably extends to the exterior of the handle.

2,356,522

CHANGE-SPEED GEAR

Theodor Kummich, Stuttgart, Germany; vested in the Alien Property Custodian

Application May 13, 1940, Serial No. 334,745
In Germany May 13, 1939
6 Claims. (Cl. 74—359)



1. In a change speed gear a driving shaft, a driven shaft, arranged axially to the driving shaft, a transmission shaft, a pair of coacting spur wheels between the driving shaft and the transmission shaft, a pair of coacting spur wheels between the driven shaft and the transmission shaft, the spur wheel arranged on the transmission shaft being unrotatably fastened to this shaft and the spur wheel on the driven shaft being loosely turnable on this shaft, a change-over coupling on the driven shaft for alternatively coupling driven shaft with the driving shaft (i. e. for throwing-in the direct drive speed) or with the spur wheel being loosely turnable on it, a third and a fourth pair of coacting spur wheels between the transmission shaft and the driven shaft in driving direction in back of the first said pairs of spur wheels, the spur wheels mounted on the transmission shaft pertaining to the third and fourth pair of spur wheels being loosely turn-

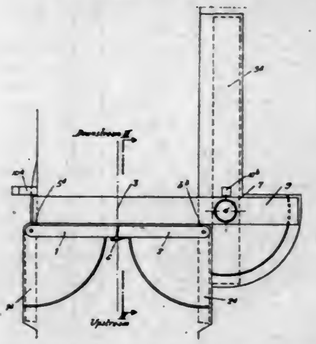
able on this shaft, while the spur wheels mounted on the driven shaft being non-turnably connected to this shaft, a second changeover coupling on the transmission shaft for alternatively coupling the transmission shaft with the spur-wheels journaled loosely on it, the wheels of the spur wheel pairs being so dimensioned that by the medium of the first pair of spur wheels the second pair of spur wheels affects a lower transmission ratio than the direct drive speed, but a higher transmission ratio than the third and fourth pair of spur wheels, and reverse gear mechanism also operable through the medium of the first-mentioned change-over coupling.

2,356,523

CANAL LOCK FOR DRY DOCKS AND OTHER BASINS

Jean Lipsky, Uzerche, France; vested in the Alien Property Custodian

Application August 29, 1941, Serial No. 408,902
In France June 14, 1941
12 Claims. (Cl. 61—24)



1. In a construction adapted to contain water at variable levels, such as a canal lock or the like, a channel having bottom and side walls, a gate adapted to be moved to and from an operative position across said channel barring flow of water therefrom, a beam adapted to be moved to and from a position crosswise of said channel at a transversely extending edge of said gate, means for securing said beam against displacement in the direction of flow of water in said channel, said beam being in bracing contact with said gate along said edge when the members are in operative position, and means permitting simultaneous withdrawal of said beam and said gate from across said channel.

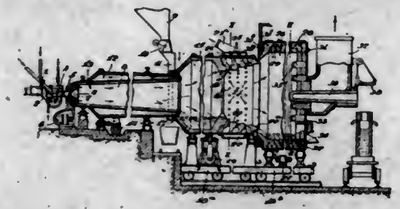
2,356,524

METHOD OF DIRECTLY PRODUCING PIG IRON AND STEEL

Julius Lohse, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian

Original application October 26, 1940, Serial No. 363,041. Divided and this application July 14, 1941, Serial No. 402,276. In Germany April 4, 1936
8 Claims. (Cl. 75—40)

1. The method of treating ores for the production of iron and steel which comprises providing an elongated tapering smelting chamber disposed horizontally, introducing in a whirling smelting flame at the smaller end of the chamber finely disintegrated ore with air and carrying the whirling flame and ore along the surface of the chamber wall toward the larger end thereof while rotating the chamber on its long axis, collecting the smelted ore in a receiving chamber and effecting the removal of slag, then discharging the molten metal directly into a stone lined purifying chamber and blowing oxygenated air through the molten metal while causing the same to flow in a shallow stream over said stone lining.

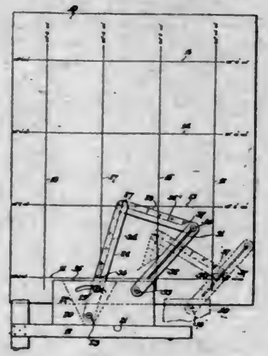


2,356,525

PLOTTING INSTRUMENT

Lucian Maness, Chevy Chase, Md., assignor to Theo. Alteneder & Sons, Philadelphia, Pa., a corporation of Pennsylvania

Application October 19, 1943, Serial No. 506,912
5 Claims. (Cl. 33—189)



1. A plotting scale comprising a base, an arm pivotally mounted on the base for adjusting movement between a perpendicular and an angular relation, a second arm pivotally mounted on the first arm at a free end thereof, a hollow rivet forming the pivotal axis of the two arms, means supporting the free end of the second arm relative to the base, means clamping the arms against pivotal movement from a position of adjustment, and the first and second arm each having a scale comprising graduations dividing the arm into five minutes of arc from the mutual pivot.

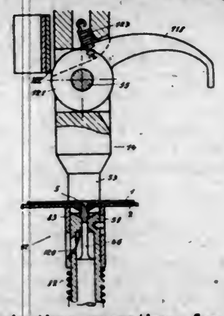
2,356,526

RIVETING MACHINE

Friedrich Mayer and Franz Wopper, Regensburg, Germany; vested in the Alien Property Custodian

Application November 12, 1941, Serial No. 418,834.
In Germany December 19, 1939
16 Claims. (Cl. 78—48)

1. A sheet riveting machine comprising in combination a depressing die and a complementary matrix for producing conical depressions in the sheets to be riveted, a punch cooperating with said matrix for producing a rivet hole in the center of each depression, said matrix having a central bore for cooperation with said punch in the perforating operation, and a holder-on tool operable from the same side as said depressing die and cooperating with said matrix which is adapted to act as a snap head die in the riveting operation, for producing a snap head having inner and outer conical faces, and to this end is provided with a filling stamp adapted to fill up its central bore during the riveting operation, for using said matrix as a snap head die.



2,356,527

MANUFACTURE OF CARPETS, LININGS, OR THE LIKE

Jean Mercier, Neuilly-sur-Seine, France; vested in the Alien Property Custodian

No Drawing. Application May 15, 1940, Serial No. 335,387. In France June 17, 1939
1 Claim. (Cl. 260—750)

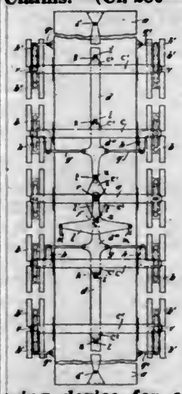
A composition of matter, having non-slip properties when wet with oil, which contains cut cereal straw in length of approximately 1 cm. embodied in a mass of vulcanized rubber, the proportion of straw in the composition being approximately 30 per cent by weight said straw being non-hygroscopic in character.

2,356,528

STEERING FOR TRACK CHAIN AND OTHER VEHICLES HAVING MORE THAN TWO AXLES

Bodo Mette, Berlin-Halensee, Germany; vested in the Alien Property Custodian

Application October 24, 1940, Serial No. 362,505
In Germany September 12, 1938
9 Claims. (Cl. 280—87)



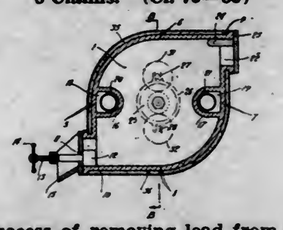
1. In a steering device for a vehicle having more than two endwise slidable axles, the combination of a pair of oscillatable members pivoted on said vehicle, operatively connected with, and adapted to slide all but one of said axles, and to be oscillated by the sliding of the said remaining axle; and an oscillatable member pivoted on said vehicle and adapted to slide the said remaining axle which is operatively connected with said pair and adapted to actuate said pair of members and cause them to slide the other axles.

2,356,529

PURIFYING METALS

René Perrin, Paris, France; vested in the Alien Property Custodian

Application June 7, 1940, Serial No. 339,389
In France June 19, 1939
8 Claims. (Cl. 75—85)



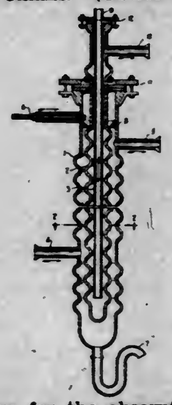
1. A process of removing lead from tin or tin alloy containing lead as an impurity, which comprises providing a fused mixture of said impure metal and tin chloride at a temperature above the optimum reaction temperature of the tin chloride with the lead of the impure metal, mixing the mass with an energy sufficient so that the temperature of the mass is equal at all points and that chemical equilibrium is obtained as rapidly as possible, mixing said mass and retarding the cooling of the mass as it approaches said optimum reaction temperature so that the mass remains sufficiently long at a temperature only slightly above the melting point of the mass that chemical equilibrium between the metal and the slag formed by the reaction is reached during the period of retarded cooling.

2,356,530

APPARATUS FOR THE ABSORPTION OF GASES IN LIQUIDS

Rudolf Pflock, Nunchritz, near Grossenhain, Germany; vested in the Alien Property Custodian

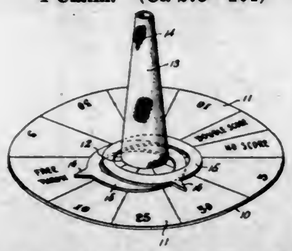
Application November 15, 1941, Serial No. 419,235
In Germany June 26, 1940
5 Claims. (Cl. 261—11)



1. Apparatus for the absorption of a gas by a liquid, comprising a substantially cylindrical

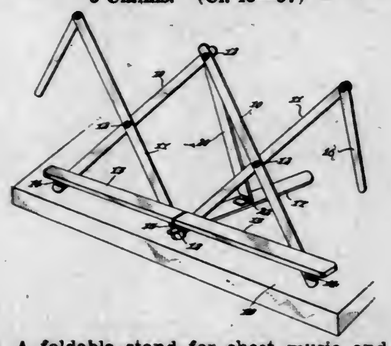
core having relatively spaced, circular projections, a jacket surrounding said core and having constrictions substantially registering with said projections, said projections and constrictions subdividing the space between the core and the jacket into a row of annular chambers communicating by way of slots, an inlet for absorption liquid communicating with the space between the core and jacket, an outlet for absorption liquid communicating with the space between the core and jacket and in opposed relation to said inlet, and a similarly opposed inlet and outlet for gas opening into opposite ends of said space as compared to the inlet and outlet for absorption liquid.

2,356,531
GAME
Adolph Pitar, Brooklyn, N. Y.
Application October 26, 1942, Serial No. 463,358
1 Claim. (Cl. 273—104)



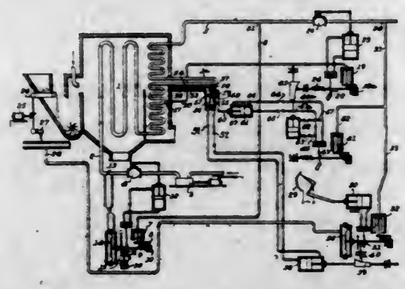
In an indoor game of the indicated character, a base defining a playing field and having a central opening therethrough, a hollow truncated upwardly tapering conical post having its lower end open and of a size adjacent its lower end to conform to and frictionally fit within said opening in the base with the lowermost portion thereof protruding from the lower face of the base to provide annular bearing means for engagement with a supporting surface so as to dispose the base substantially horizontal and in spaced relation to the supporting surface and the upper portion of said post projecting upwardly from the upper face of the base and adapted to receive thereover annular playing members of a larger inner diameter than that of the post adjacent the base.

2,356,532
FOLDABLE MUSIC STAND
Mortimer Rapfogel, Bronx, N. Y.
Application July 23, 1943, Serial No. 495,835
5 Claims. (Cl. 45—57)



1. A foldable stand for sheet music and the like comprising vertically extending frame means that will expand vertically as it is contracted longitudinally, a foot support for the music and the like at the front of said frame comprising a pair of hingedly interconnected sections having their outer ends pivotally connected to said frame so that the folding of said sections will contract said frame, a supporting member pivotally connected to the back of said frame at the lower portion thereof for engaging a base and a leg having one end pivotally connected to the upper portion of the back of said frame and the other end pivotally connected to said supporting member so that the contraction of said frame will cause said supporting member and said leg to be folded substantially flat against the back of said frame.

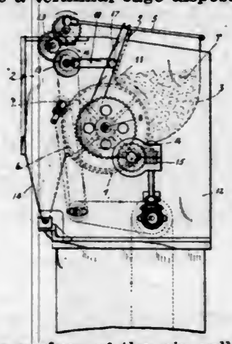
2,356,533
CONTROL DEVICE FOR ONCE-THROUGH VAPOR GENERATORS
Ferdinand Riedel, Berlin-Mariendorf, Germany; vested in the Alien Property Custodian
Application August 27, 1940, Serial No. 354,449
In Germany June 3, 1939
3 Claims. (Cl. 122—448)



1. In a device for controlling a vapor generator of the forced passage type having a once-through fluid passage receiving liquid at one end and delivering superheated vapor at the other end, comprising, in combination, pressure controlling means for maintaining a constant pressure in said passage at a point determining the position of the zone of evaporation, temperature controlling means for maintaining a constant temperature in said passage at a point predetermined in relation to said constant pressure point, the temperature to be maintained constant corresponding to the distance from and the position of said constant temperature point in relation to said constant pressure point, means for adjusting the temperature value to be maintained constant, and means for actuating said adjusting means in response to the operating condition of the generator to displace at will the zone of evaporation.

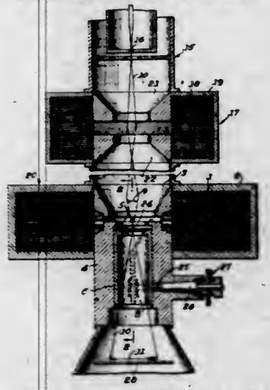
2,356,534
TOBACCO SPREADER
Richard Erich Rösler, Dresden, Germany; vested in the Alien Property Custodian
Application June 14, 1939, Serial No. 279,073
In Germany June 27, 1938
8 Claims. (Cl. 131—109)

1. In a tobacco spreader of the type involving a hopper for receiving a loose mass of tobacco and a pin roller, means mounting said pin roller, a lever mounted substantially on the axis of said pin roller, said lever being formed to project above said pin roller and rearwardly with respect to the axis of the pin roller, a scraper blade depending from said lever and occupying a plane substantially parallel to the major portion of the lever above the pin roller, the lower end of said blade adjacent the pin roller being formed to provide a scoop curved toward the pin roller in a rearward direction away from said yoke so as to define a terminal edge disposed sufficiently



close to the surface of the pin roller in the approach position of the scoop to limit the thickness of the tobacco entrained on the roller to substantially the depth of the pins thereon and scoop the excess tobacco away from the roller, and means for rocking said lever as the pin roller is turned to oscillate said terminal edge in rearward and forward directions.

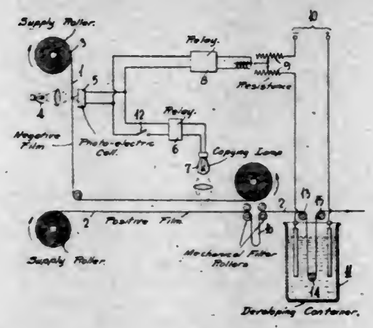
2,356,535
ELECTRONIC LENS
Ernst Ruska, Berlin-Spandau, Germany; vested in the Alien Property Custodian
Application July 10, 1941, Serial No. 401,781
In Germany August 31, 1940
4 Claims. (Cl. 250—49.5)



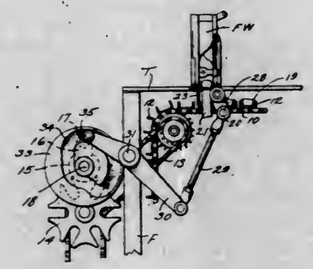
1. In an electronic microscope, an objective lens, an objective diaphragm located on the image side of said lens, and means for adjusting said diaphragm along the axis of the electron beam to position the diaphragm at the focus of said lens.

2,356,536
DEVELOPING PROCESS
Johannes Rzymkowski, Jena, Germany; vested in the Alien Property Custodian
Application July 5, 1940, Serial No. 344,143
In Germany July 18, 1939
3 Claims. (Cl. 95—75)

1. A method of producing photographic picture and sound record copies from a negative comprising photo-electrically scanning said negative, exposing a positive film to light transmitted through said negative while controlling the intensity of said transmitted light in accordance with the electric energy created during the scanning of the negative, and developing said exposed positive film in an oxidation reduction system capable of adsorption while controlling the reduction potential of said system in accordance with the electric energy created during the scanning of said negative.



2,356,537
FLANGE HOLD-IN DEVICE FOR WRAPPING MACHINES
Oscar Sandberg, Defiance, Ohio, assignor to Lynch Manufacturing Corporation, Defiance, Ohio, a corporation of Ohio
Application December 16, 1943, Serial No. 514,471
7 Claims. (Cl. 93—2)



1. A flange hold-in device for wrapping machines, comprising a hold-in element movably mounted adjacent an intermittently operable conveyor of a wrapping machine which conveys articles in channel shaped boats to a position aligned with a folding way, said hold-in element in one position permitting the boat and article to pass therebeneath, and in another position being behind the boat to guide the rear flange thereof into the folding way, and a stop plate adjacent the front flange of the boat, said stop plate having a notch for the conveyor to pass through with the boat extending beyond the sides of the conveyor for engagement of said front flange beyond the ends of said notch with said stop plate, said hold-in element being provided with a notch to clear the conveyor with portions of the element beyond the ends of the notch assuming a position behind the rear boat flange.

2,356,538
BLANK AMMUNITION FIRING ATTACHMENT FOR AUTOMATIC GUNS
Hugo Schmeisser, Suhl, Germany; vested in the Alien Property Custodian
Application October 14, 1940, Serial No. 361,184
In Germany November 22, 1939
2 Claims. (Cl. 42—1)



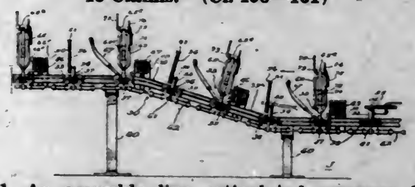
1. In an automatic gun a barrel, a silencer casing having openings at both ends in line with said barrel, removably secured to the muzzle of the barrel, said casing having a central portion extending across the same intermediate its ends, and a core rod secured to said central portion, extending into the bore of the barrel and spaced from the wall of the bore, and said central portion being formed with a plurality of openings eccentric to the barrel axis, each of said last named openings forming a communication between said first named openings.

2,356,539
PROTECTING AND LAUNCHING DEVICE FOR LIFEBOATS
Thorolf Schröder-Nielsen, Oslo, Norway; vested in the Alien Property Custodian
Application October 28, 1941, Serial No. 416,884
In Norway October 19, 1940
3 Claims. (Cl. 9—22)



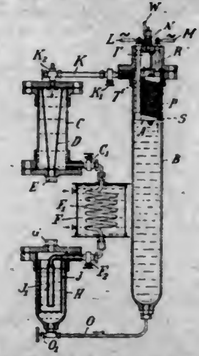
1. A protecting and launching device for boats comprising a plurality of ring tracks permanently connected to the outer side of the boat and encircling the boat transversely of its longitudinal axis at spaced intervals where the diameter is only slightly less than the largest breadth, and a plurality of rings carrying spaced rollers bearing upon said tracks, said rings being freely rotatable about the boat and adapted to present a substantially smooth outer bearing surface at all times.

2,356,540
APPARATUS FOR ASSEMBLING BICYCLES
Frank W. Schwinn, Chicago, Ill.
Application September 21, 1940, Serial No. 357,728
15 Claims. (Cl. 198—131)



1. An assembly line articulated conveyer for bicycle fabrication comprising a chain of conveyer sections coupled together at their ends and adapted to ride on transversely spaced horizontal ways, each conveyer section including an upwardly protruding peg adapted to be received in the seat post socket of an inverted bicycle frame to support the frame and conformed to engage a notch in the seat post mast to maintain the frame non-rotatably transversely of the conveyer, said conveyer section also including a second upwardly protruding peg for reception in the hollow shank of an inverted front fork of the bicycle to mount and carry the fork upon the section along with the frame.

2,356,541
APPARATUS FOR ELECTROLYTIC PRODUCTION OF HYDROGEN
Franz Sledzianowski, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian
Application August 2, 1940, Serial No. 349,437
In Germany April 29, 1939
2 Claims. (Cl. 204—236)



2. An apparatus for the electrolytic production of hydrogen from an aqueous electrolytic solution, comprising in combination two series of electrolyser cells each having transverse electrodes, the electrodes of one series being staggered with respect to the electrodes of the other series, and a common intermediate solid wall through which each electrode of the series of cells projects entirely across the cell and into the space between a pair of electrodes of the other series of cells, with the exception of one oppositely located extreme end electrode of each series of cells, and terminals for a source of alternating current connected across said two extreme end electrodes and adapted to produce on said electrodes a high ratio of current intensity to electrode surface through an electrolyte in said cells, said electrolyte containing an agent adapted to fix the oxygen which is set free during the electrolysis, means for maintaining through said cells a continuous circulation of said electrolyte, means for separating the oxidized products from said electrolyte after it has left said cells, means for re-enriching said oxide-free electrolyte with fresh oxygen-fixing agent, and means for re-cycling said oxide-free and re-enriched electrolyte.

2,356,542
PROCESS OF RENDERING MASSIVE INORGANIC BODIES HYDROPHOBIC
Clifford K. Sloan, Thornton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 26, 1943, Serial No. 500,147
15 Claims. (Cl. 117—123)

1. The process of rendering siliceous construction materials resistant to the passage of water

therethrough which comprises treating such siliceous materials after formation thereof into their ultimate shape with amines chosen from the group consisting of aliphatic amines containing at least eight carbon atoms in an alkyl group thereof, and salts thereof.

2,356,543
PROCESS FOR THE ELECTROLYTIC PRODUCTION OF OPAQUE LAYERS, SIMILAR TO ENAMEL, ON ALUMINIUM AND ITS ALLOYS
Carlo Sonnino and Antonio Sassetti, Milan, Italy; vested in the Alien Property Custodian
No Drawing. Application August 13, 1940, Serial No. 352,416. In Italy October 4, 1939
2 Claims. (Cl. 204—58)

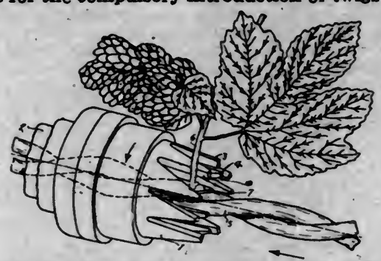
1. The process for making an anodic deposit upon an article of aluminium and its alloys which consists in immersing the article in an aqueous solution consisting essentially of chromic acid, zinc chromate and magnesium chromate and making the article the anode of an electric circuit through the solution.

2,356,544
EXTENSIBLE RULE
Carl G. Swanson, New York, N. Y.
Application June 2, 1943, Serial No. 489,317
5 Claims. (Cl. 33—161)

1. A measuring rule comprising a series of channel shaped sections, each of said sections being frictionally slidable within one another in nested telescoping relationship, at least one spring urged member projecting from the side wall of each of the telescoping sections adjacent the inner end thereof and a slot adjacent the outer end of each of the telescoped sections for receiving said spring urged member to lock said sections in extended position, said spring urged member having its longitudinal axis extending transversely to the side walls of said channel sections and having a straight surface for engaging the forward edge of said slot to positively lock said sections against further extension of the rule and a rear surface slanting inwardly to a point inside the outer edge of the telescoped section so that said outer edge will ride on said slanting surface and depress said spring urged member upon the occurrence of the telescoping movement whereby said sections will become successively unlocked.

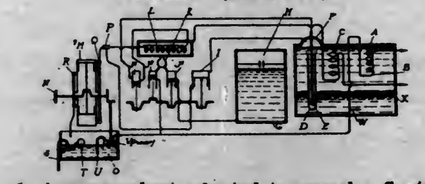
2,356,545
METHOD AND APPARATUS FOR CROPPING HOPS
Vladislav Sýkora, Neusattel, Germany; vested in the Alien Property Custodian
Application November 18, 1941, Serial No. 419,560
14 Claims. (Cl. 130—30)

1. In a machine for cropping hops, a shearing device having two concentric comb-like shearing blades adapted to shear stalked strobiles from hop-twigs bearing strobile bunches, means for effecting relative movement between said blades of the shearing device, a stalk feeding device for the compulsory introduction of twigs and



strobile bunches of the hop plants into said shearing device, and means for operating the shearing device.

2,356,546
MARINE POWER PLANT
Henri Tailleferre, Paris, France; vested in the Alien Property Custodian
Application June 19, 1939, Serial No. 280,012
In Great Britain July 5, 1938
3 Claims. (Cl. 60—37)

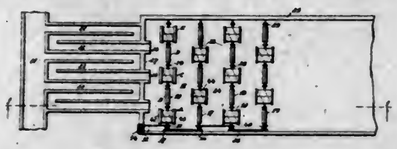


1. A power plant adapted to propel a floating device on a body of water comprising in combination a reservoir for holding a material which at ordinary tempertaures and pressures is a gas readily soluble in water with the evolution of heat, said material being maintained under sufficient pressure to hold it in the liquid state, means for heating said material to volatilize it, a gas engine adapted to drive a propulsion means for said floating device and provided with an intake and exhaust, means for passing the volatilized material under pressure into the intake of said engine, a gas absorbing vessel, means for passing the exhaust gas from said engine into said absorbing vessel, means for passing water from said body of water into said absorbing vessel whereby heat is generated from the solution of said gas in the water, and means for passing the resulting hot solution through said means for heating said material and thence into said body of water, wherein said reservoir is filled with liquid ammonia and wherein a mixing vessel is provided for mixing the solution formed in said absorbing vessel with a material, selected from a class consisting of oleum and sulfuric haust gas, whereby a hot solution of ammonium sulfate is formed, and means for passing the said hot solution in heat conducting relationship with said reservoir.

2,356,547
DECOMPOSITION OF SODIUM ALUMINATE LIQUOR
Hans Tiedemann, Akasaka-ku, Tokyo, Japan; vested in the Alien Property Custodian
Original application October 2, 1940, Serial No. 395,350. Divided and this application October 30, 1941, Serial No. 417,204. In Germany December 21, 1937
3 Claims. (Cl. 23—285)

1. A flocculation and sedimentation apparatus for aluminate liquors comprising a relatively long

tank having a reaction space adjacent one end thereof and a settling space adjacent other end, propelling means within the intermediate portion of the tank, said means including a plurality of paddles rotatable on a plurality of spaced shafts transversely perpendicular to the longitudinal axis of the tank, said paddles being located on a plane through the axis of the shafts, means to



rotate said paddles in the same direction so that the paddles will rotate toward the settling space at the upper part of their rotational movement and away from the settling space at the lower part of their rotational movement and means to feed aluminate liquor into the reaction space so that the said liquor will be seeded with precipitated particles returned to the reaction space by the paddles.

2,356,548

SMOKE DEFLECTOR FOR TOBACCO PIPES AND CIGAR AND CIGARETTE HOLDERS

Henry Van Campen, New York, N. Y., and Arthur D. Hill, Jr., Los Angeles, Calif.

Application December 9, 1943, Serial No. 513,536
1 Claim. (Cl. 131—227)



An accessory for the bits of tobacco pipes and cigarette and cigar holders comprising a shank member of channel-shaped cross-sectional configuration and including a bottom wall having converging opposite side edges formed with upstanding side flanges, and an inclined rear bottom wall portion extending from its juncture with the bottom wall toward the free upper edges of side flanges at with its free rear edge disposed substantially in a plane therewith to provide means for directing the smoke issuing from the bit to a region centrally of the oral cavity when said accessory is fitted within the outlet end of the bit with the hollow surface of the same disposed upwardly and with the wider rear portion protruding slightly beyond the outlet end of the bit.

2,356,549

MANUFACTURE OF PURIFIED RUBBER

Godfried Johan van der Bie, Buitenzorg, Java, Netherland East Indies; vested in the Alien Property Custodian

No Drawing. Application August 16, 1941, Serial No. 407,230. In the Netherlands May 7, 1940
2 Claims. (Cl. 260—815)

1. In the removal of insoluble metal compounds from aqueous rubber dispersions, the process which comprises mixing with such a dispersion a water soluble cyanide in amount ranging from about 0.03 to 0.2 mg. per liter, thereby forming soluble complex metal cyanides from the metal impurities present, heating the mixture, thereby enhancing the formation of said metal complexes and then separating a fraction containing serum and said soluble metal complexes, from the said dispersion.

2,356,550

WASHING BATH FOR TEXTILE MATERIALS

Anton Volk, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian

No Drawing. Application January 8, 1940, Serial No. 313,017. In Germany November 28, 1938
7 Claims. (Cl. 252—99)

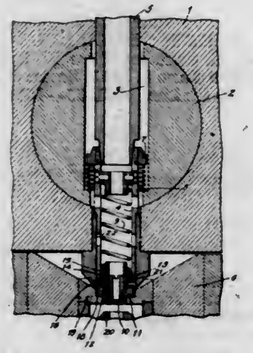
2. A washing bath for linen and other textile materials comprising an aqueous solution of a polyglycol ether selected from a group consisting of isohexyl, isooctyl and dodecyl phenyl polyglycol ethers and a water soluble salt of a phosphoric acid which contains less water of constitution than orthophosphoric acid, said aqueous bath having a pH value ranging between 6.1 and 8.

2,356,551

ELECTRONIC MICROSCOPE

Bodo von Borries, Heinz Otto Müller, and Ernst Ruska, Berlin-Spandau, Germany; vested in the Alien Property Custodian

Application August 29, 1941, Serial No. 408,830
In Germany July 22, 1940
4 Claims. (Cl. 250—49.5)



1. An electron microscope having a vacuum vessel, a stationary objective lens structure disposed in said vessel, object holding means detachable from said vessel and said lens structure, a sluicing device for inserting said object holding means into said vessel and in which device said holding means are movably supported, said lens structure having a pole shoe facing said sluicing device, said pole shoe and said object holding means having opposite contact surfaces respectively, means for moving said holding means from said sluicing device towards said pole shoe so as to cause said contact surfaces to firmly engage each other.

2,356,552

RAIL ANCHOR SHIPPING BUNDLE

Harold G. Warr, Park Ridge, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware

Application November 16, 1942, Serial No. 465,737
9 Claims. (Cl. 206—65)

1. A rail anchor bundle comprising a group of rail anchors arranged in parallel relation, each anchor having a body portion formed at one end with a hook, a frame member arranged transversely of the anchors and having a wedge shaped portion extending into the recesses defined by their hook portions to provide frictional engagement therewith, and means including a bar engaging the anchors at a location spaced from the



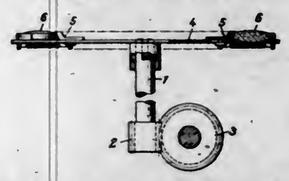
frame and wire loop members connected therewith for holding said anchors in fixed position on said frame.

2,356,553

PROCESS TO LOWER THE REFLECTION OF OPTICALLY ACTIVE SURFACES

Gustav Joseph Weissenberg, Berlin-Mariendorf, Germany; vested in the Alien Property Custodian

Application October 24, 1940, Serial No. 362,540
In Germany November 17, 1939
3 Claims. (Cl. 117—124)



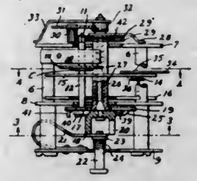
1. A process of providing on a surface of a transparent article a thin, transparent layer of the character which affects the reflection of light incident on said surface, comprising rendering said surface substantially clean and free of dirt, grease and foreign substances, wetting the surface with an aqueous solution of an alkali silicate containing a compound selected from the group consisting of furfurol and dioxane, removing the excess wetting solution to leave a thin layer of wetting solution on said surface, drying the said layer, reacting the said layer with a stronger acid to precipitate silicic acid, washing said layer to remove reaction products other than silicic acid and drying said layer to form a transparent silica coating of increased scratch resistance.

2,356,554

TIME-SETTING DEVICE FOR FUSES

Adolf Weisz, Budapest, Hungary; vested in the Alien Property Custodian

Application October 25, 1941, Serial No. 416,465
In Hungary July 1, 1941
7 Claims. (Cl. 161—1)



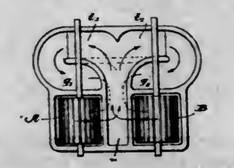
1. A time-setting device for fuses, comprising a clockwork in combination with a setting member rotatably mounted and cooperating with a member having a fixed angular position in relation thereto to initiate a movement resulting in firing the fuse; a disk in positive driving connection with said clockwork and in frictional driving connection with said setting member, a hollow shaft upon which said disc is mounted, and a shaft located in said hollow shaft and providing a mounting for said setting member; springy means tending to induce one of said cooperating members to initiate the movement which results in firing the fuse and becoming operative in a predetermined angular position of said setting member in relation to the member having a fixed angular position; and means indicating the momentary angular position of said setting member.

2,356,555

BEATING ENGINE

August Aeldert, Dusseldorf, Germany; vested in the Alien Property Custodian

Application April 3, 1941, Serial No. 386,729
3 Claims. (Cl. 92—24)



1. In a beating engine of the overthrow type, the combination of a tub; two oppositely rotating substantially parallel shafts associated therewith; a grinding roll carried by each shaft to rotate therewith and extending into the tub, with the ingress sides of said rolls faced toward one another; two superposed conduits extending substantially parallel to said shafts transversely of the tub, the upper being so positioned as to receive two streams of overthrown material from the rolls, respectively, and the lower being so positioned as to supply the said material to the ingress sides of the rolls and two connecting conduits between the transverse conduits and so disposed as to conduct two streams of material, respectively, from the upper to the lower conduit, each of said superposed conduits being adapted to commingle the two streams of material supplied to it, and cause the material to flow as a single stream transversely of the tub.

2,356,556

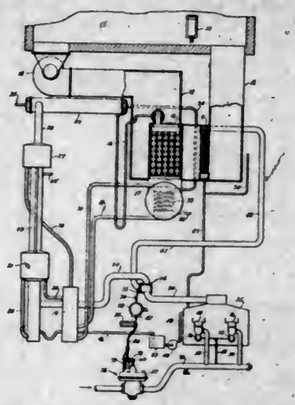
REGULATOR

Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

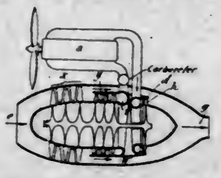
Application August 15, 1941, Serial No. 406,987
8 Claims. (Cl. 257—3)

4. In combination with a plurality of devices adapted to be heated by steam, a steam boiler, conduit means for conducting steam from said boiler to said devices, valve means in said conduit means for controlling flow of steam therethrough, a control for operating said valve means, a gas heater for said boiler, and a gas line for supplying gas to said heater, a gas pressure regulator connected in said line, structure associated with said regulator to render the latter operable to supply gas to said heater at a plurality of predetermined gas delivery pressures, and mechanism arranged to be actuated by said control for operating said structure for selectively supplying gas to said heater at one of said predetermined gas delivery pressures when said control

actuates said valve means to supply steam to one of said devices, and at another of said predetermined gas delivery pressures when said control actuates said valve means to supply steam to another of said devices.

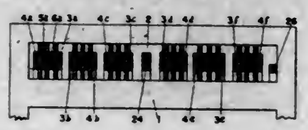


2,356,557
REACTION PROPELLING DEVICE WITH SUPERCHARGED ENGINE
René Anxionnaz, Paris, and Roger Imbert, Mantes, France; vested in the Alien Property Custodian
Application November 28, 1940, Serial No. 367,667
In France December 19, 1939
4 Claims. (Cl. 60—35.6)



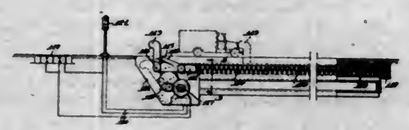
1. In combination with an aircraft engine which is adapted to receive supercharging air and which discharges its exhaust gases at a substantially controlled pressure, a motive unit to supply supercharging air to the engine by extracting energy from exhaust gases and also to exert an auxiliary propelling force for assisting in driving the aircraft comprising, a shroud structure extending parallel to the direction of flight adjacent the aircraft engine and having at its forward end an air inlet and at its trailing end a jet outlet, a compressor case positioned within said shroud structure and having an outer surface corresponding to the inner surface of the shroud structure but spaced therefrom whereby a substantially annular passage-way is provided for the passage of the air through the shroud structure about the compressor case, a rotary air compressor mounted within the forward end of said annular passage-way and effective to partially compress the air passing through said passage-way, a second compressor positioned in trailing relationship with respect to the first-named compressor to receive a portion of the partially compressed air discharged therefrom and to deliver its compressed air to the engine, a turbine connected to drive both of said compressors positioned in trailing relationship with respect to the second-named compressor and to receive exhaust gases from the engine, said turbine having a substantially annular discharge at the rear portion of said compressor case whereby it directs a stream of exhaust gases into the annular stream of patrially compressed air which comprises the partially compressed air not received by said second compressor, whereby the exhaust gases and the associated stream of partially compressed air forms a propelling gas mixture which is directed from the jet outlet of said shroud structure to exert a propelling force.

2,356,558
TRANSFORMER
Herbert Bährıng, Klein Machnow, near Berlin, Germany; vested in the Alien Property Custodian
Application June 18, 1940, Serial No. 341,170
In Germany July 1, 1939
9 Claims. (Cl. 175—363)



1. The combination of a transformer having a ferromagnetic core and a plurality of high-tension windings, each winding consisting of a plurality of divisional coils, groups of said coils being arranged on said core in sequential order, each group comprising at least one coil of each winding, the sequential order of said coils in each group being opposite to that of adjacent groups, and of rectifier tubes connected to said high-tension windings, the output circuits of said rectifier tubes being arranged in series.

2,356,559
VEHICLE ARRESTOR
Edward A. Banschbach, Madison, Wis.
Application September 10, 1941, Serial No. 410,302
2 Claims. (Cl. 39—6)

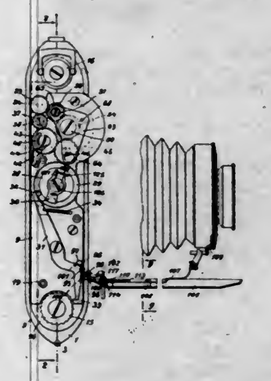


1. In a roadway crossing barrier, an underpavement conduit with surface slot extending the principal length of the conduit, the conduit being filled with resilient means, a vehicle impact member movably mounted in the conduit and projecting upwardly through the slot whereby on impact by a vehicle, motion of the latter is resiliently arrested.

2,356,560
ROLL FILM CAMERA
Wilhelm Baumgärtner, Brunswick, Germany; vested in the Alien Property Custodian
Original application July 8, 1938, Serial No. 218,175, now Patent No. 2,233,238, dated February 25, 1941. Divided and this application December 9, 1940, Serial No. 369,201. In Germany October 9, 1936.
1 Claim. (Cl. 242—71)

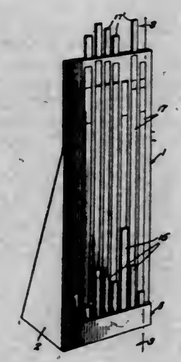
A roll film camera, comprising film feeding mechanism, mechanism controlling the length of the film being fed, said controlling mechanism

including means adapted to interrupt the film feeding operation, a member operating said controlling mechanism and movable proportionally to the film being fed, two selectively operative transmission gears of different gear ratios intermediate said member and said interrupting means and severally adapted to throw said interrupting means into operation for making large size and small size exposures, means for bringing said transmission gears alternately into power-transmitting connection between said operating member for said controlling mechanism and said interrupting means, means operative when the said transmission is changed from one gear to the other for compensating for the irregularity in the position of the exposed film section resulting from the previous film feeding operation, said camera having a base board, shutter mechanism carried by the base board, said shutter mechanism having a release member for actuating the shutter mechanism, and means for operating said shutter release member and for moving said interrupting means out of interrupting position on actuation of the shutter release member, said last named actuating means being locked in inoperative position when the interrupting means are in an inoperative position wherein the film feeding operation may be carried out and said last named actuating means



comprising cam means slidable transversely of the base board and positioned towards one side of the base board when inoperative, lever means connected to said cam means and pivoted to said base board for operating said shutter release member on the movement of said cam means from its inoperative position, means for moving said cam means, a shaft rotatably mounted on said base board to extend transversely thereof, an arm fixed on said shaft and rocked by said interrupting means when the interrupting means are moved to a position to interrupt the film feeding operation, a second arm fixed on said shaft, said second arm being positioned in the path of said cam means when the cam means and the interrupting means are in inoperative position whereby to lock the cam means against movement to a position to actuate said shutter release member, and resilient means urging said first named arm into contact with the interrupting means and the second arm into the path of said cam means, said interrupting means when moved to operative position to interrupt the film feeding operation turning said first named arm and rotating said shaft to turn said second named arm to a position wherein the second named arm clears said cam means to permit movement of the cam means, and said cam means on its movement from its inoperative position near one side of the base board towards the other side of the base board and during its return to inoperative position contacting the second named arm and during a part of such movement turning said second named arm to rotate said shaft and the first named arm in a direction to move the interrupting means from its operative to its inoperative position wherein film may be fed and said cam means also during its movement actuating said lever means to operate the shutter release member, said resilient means returning said second arm to a position in the path of said cam means when the cam means is returned to inoperative position after having moved the interrupting means into inoperative position and actuated the shutter release member.

2,356,561
EDUCATIONAL DEVICE FOR DEMONSTRATING NUTRITIONAL FOOD AND FOOD INGREDIENT COMPARISONS
Elspeth Bennett, Syracuse, N. Y.
Application July 29, 1943, Serial No. 496,632
9 Claims. (Cl. 35—1)

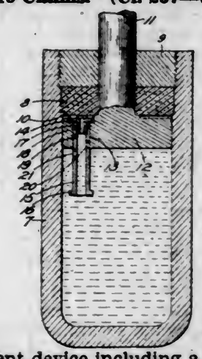


1. An educational device comprising a display board having a plurality of horizontally spaced, vertically extending columns, each adapted by one dimension to reproesent data, a plurality of shafts each adapted by one dimension to represent data, said shafts each corresponding in another dimension with the columns of the board and shaft holders for associating and supporting a plurality of the shafts to register with the columns of the board.

2,356,562
PREPARATION OF SYNTHETIC RESINS
Herbert Berg and Herbert Mader, Burghausen, Oberbayern, Germany; vested in the Alien Property Custodian
No Drawing. Application April 22, 1938, Serial No. 203,674. In Germany April 28, 1937
2 Claims. (Cl. 260—656)

1. The process for purifying vinyl chloride to remove impurities which tend to promote formation of low molecular weight polymers which comprises subjecting said vinyl chloride in the vapor phase and at a temperature above its boiling point to the action of an aqueous solution of an alkali metal hydroxide.

2,356,563
DAMPING VALVE FOR RESILIENT SUSPENSION DEVICES
Arthur Edward Bingham, Cheltenham, England, assignor to Dowty Equipment Limited, Cheltenham, England
Application November 1, 1941, Serial No. 417,430
In Great Britain December 30, 1940
13 Claims. (Cl. 267—64)



1. A resilient device including a chamber completely filled with liquid, a plunger operating in said chamber to vary the compression of the liquid contained in said chamber, a damping head carried by the plunger and operating to partition said chamber, a damping valve slidably engaging through said damping head to define resistance passage means therethrough from one partition compartment of said chamber to the other; said flow resistance passage means including an orifice available for liquid flow both on the compression and the rebound stroke, and supplementary orifice means made available for progressively increasing liquid flow on the compression stroke as compression of the liquid increases its viscosity.

2,356,564
METHOD OF MANUFACTURING PRODUCTS FROM RUBBER AND PRODUCTS OBTAINED THROUGH SAID METHOD
André Chomette, Neuilly-sur-Seine, and Robert Thiollet, Paris, France; vested in the Alien Property Custodian
No Drawing. Application May 15, 1940, Serial No. 335,356. In France June 13, 1939
2 Claims. (Cl. 260—767)

1. The process for the manufacture of articles resistant to discoloration by light from rubber mixtures containing a light stainable anti-oxidant compound selected from the group consisting of aldol naphthylamine and phenyl naphthylamine, which process comprises incorporating into the initial mixture of rubber, an accelerator and said anti-oxidant, an aqueous solution of dimethylolurea, and subsequently vulcanizing said mixture with consequent polymerization of dimethylolurea, thereby forming a protective screen of synthetic resin opaque to ultraviolet rays.

2,356,565
GLUCOSIDIC COMPOUNDS AND PROCESS OF MAKING THEM
August Chwala, Vienna, Germany; vested in the Alien Property Custodian
No Drawing. Application July 7, 1939, Serial No. 283,323. In Germany July 15, 1938
13 Claims. (Cl. 260—210)

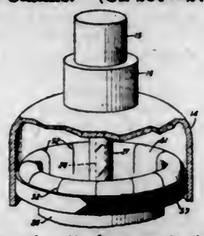
1. A composition of matter in a powdery state containing predominantly a glucosidic compound having the general formula

$$Hal—R_1—Y$$

wherein

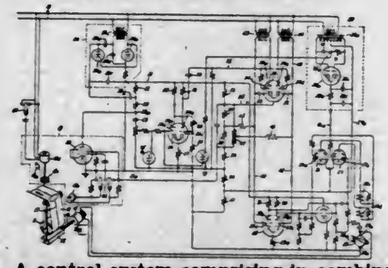
Hal is a halogen atom
R_1 is a bivalent low molecular alkyl radical and
Y is a sugar group glucosidically combined with the alkyl radical R_1.

2,356,566
ELECTRONIC DISCHARGE DEVICE
James E. Clark, Williston Park, N. Y., Joseph V. Domaleski, Wood Ridge, N. J., and Victor L. Ronci, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 5, 1942, Serial No. 445,852
18 Claims. (Cl. 250—27.5)



1. An electronic discharge device comprising an enclosing vessel, an electron emitting cathode and an anode mounted in opposed relation in said vessel, a metallic shield surrounding said cathode and anode and the discharge path therebetween, and an encircling spacer member carried by said shield and engaging the wall of said vessel, said member having a plurality of resilient portions adjacent said wall and capable of expanding with said wall to maintain said shield in uniform relation with respect to said cathode and said anode, said portions being joined at their free ends by expansible cushioning material.

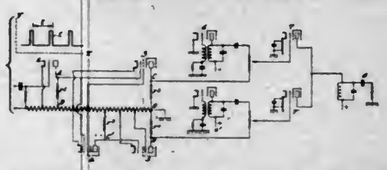
2,356,567
CONTROL SYSTEM
William D. Cockrell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 16, 1941, Serial No. 415,205
9 Claims. (Cl. 271—2.6)



1. A control system comprising in combination an electric circuit, a light sensitive electric valve included in said circuit, a pair of electric control circuits, apparatus for controlling the current in said circuits in response to the current transmitted by said light sensitive valve having a pair of electron discharge paths each being operatively associated with a different one of said control circuits and each having a control grid, means for supplying dephased periodically varying voltages to said control circuits, and means responsive to current impulses transmitted by said light sensitive valve for impressing corresponding control voltage impulses simultaneously on said grids for selectively and continuously varying the transmission of current in said paths in accordance with the time phase relationship of said voltage impulses and said dephased voltages.

6. A lateral register control system for a length of moving material comprising in combination, an electric motor for effecting lateral movement of said material, a pair of electric control circuits for said motor, apparatus for controlling the current in said circuits comprising electric valve means having a pair of electronic discharge paths each being operatively associated with a different one of said circuits and each having an anode, a cathode and a control grid, a pair of capacitors each connected to one of said discharge paths, means for impressing alternating voltages on said anodes substantially 180 degrees out of phase and light sensitive means responsive to lateral misregister of said length of material in one direction for impressing a control voltage on said grids when one of said anode voltages is positive and responsive to misregister in the opposite direction for impressing a control voltage on said grids when the other anode voltage is positive thereby to control said valve means to selectively vary the charge on said capacitors, and means responsive to said selective variation of said charge for controlling said motor to move said length of material laterally an amount proportional to said charge in a direction to correct for misregister.

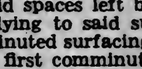
2,356,568
TELEVISION METHOD AND SYSTEM
Henri de France, Lyon, France; vested in the Alien Property Custodian
Application February 4, 1942, Serial No. 429,584
In France March 12, 1941
2 Claims. (Cl. 178—69.5)



1. A television system which comprises, in combination, means for producing line synchronizing signals, means for producing image synchronizing signals, transmitter means for producing image modulation signals including two master oscillators having different frequencies and arranged in such manner that only one of them can work at a time, and control means operative by said image synchronizing signal producing means for shifting from one oscillator to the other, according as an image synchronizing signal is being transmitted or not.

2,356,569
INTERMEDIATES FOR DYESTUFFS
Polydoor De Smet and Willem Mees, Mortsel, near Antwerp, Belgium; vested in the Alien Property Custodian
No Drawing. Application May 20, 1941, Serial No. 394,288. In Great Britain December 12, 1939
8 Claims. (Cl. 260—298)

1. The process of producing intermediates for dyes, such intermediates being constituted according to the formula



wherein



is a five member cyclic group containing, besides carbon and nitrogen atoms, a member of the group consisting of sulfur and selenium, while X is a radical of the group constituted by alkyl and a substituted alkyl, and Y is a radical of the group constituted by alkyl, substituted alkyl and phenyl, this process comprising reacting quaternary ammonium salt of said five member cyclic group having an alkyl group linked to the carbon atom which adjoins the nitrogen atom in the heterocyclic ring, in the presence of phosphorus pentasulfide with a halide of a monobasic organic acid.

2,356,570
COVERING ELEMENT
Philip G. Deuchler, Snyder, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland
Application December 26, 1940, Serial No. 371,799
4 Claims. (Cl. 117—5)

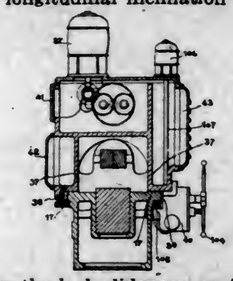


4. A process of producing a thick butt covering element which comprises applying to an elongated base sheet a coating of asphaltic adhesive substantially completely to cover said base sheet, applying to bands of substantial width extending lengthwise of said sheet and spaced apart substantial distances widthwise of said sheet comminuted surfacing material so as to bond to said coating and so as to leave bare said space between said bands, applying to said spaces left bare of comminuted surfacing material superposed layers of coating of asphaltic adhesive extending lengthwise of said sheet between said surfaced bands and overlapping and interlocking with said comminuted surface material on each adjacent band only slightly along a narrow portion at the boundary between said surfaced bands and said spaces left bare of comminuted material, applying to said superposed layers of coating comminuted surfacing material contrasting with said first comminuted surfacing material, and cutting said sheets into covering elements with the portions thereof which carry said superposed layer of coating forming the thick butt portions of said elements.

2,356,571
MACHINE FOR MILLING THE FLANGES OF AIRPLANE WING SPARS
Emile Julien Eugène Dewoitine, Neuilly-sur-Seine, France; vested in the Alien Property Custodian
Application April 10, 1940, Serial No. 328,824
In France May 24, 1939
6 Claims. (Cl. 90—13)

1. In a machine for milling airplane wing spars, a bed having an M-shaped cross section, vertical ribs arranged triangularly along said bed between the adjacent parts or sides forming the

M and including means for supporting an I-shaped beam forming a table in the central recess of the M, means upon said bed for producing a variable longitudinal inclination of said table



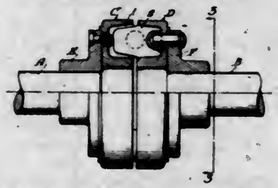
relatively to the bed, slideways on the bed for a saddle having a milling-cutter head at each end, means upon said bed for moving said saddle along the bed and means carried upon said bed for controlling the milling-cutters.

2,356,572

ELASTIC COUPLING DEVICE WITH RUBBER BALLS

Mario Dornig, Milan, Italy; vested in the Alien Property Custodian

Application November 5, 1940, Serial No. 364,466
In Italy November 6, 1939
1 Claim. (Cl. 64—14)



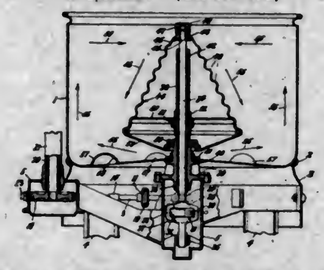
In an elastic device for connecting a driving member and a driven member which are secured on substantially aligned spaced apart shafts and which employ elastic ball means in effecting the coupling of said shafts, the combination comprising a radially extending flange member secured on each shaft to rotate therewith adjacent said spaced apart end, a pair of coupling plates, each plate mounted on a separate shaft near the spaced apart end thereof and adapted to be secured to the flange member on such shaft to face the plate on the other shaft, said plates having spaced intermeshing projections on their adjacent faces which extend in directions parallel to the longitudinal axes of said shafts, each of said projections provided with depressions complementary to each other, elastic ball means engaged between each pair of adjacent projections and within said complementary depressions in said projections when said plates are coupled, screw threaded means extending through each flange member and engaged with the coupling plate adjacent thereto for initially securing such plate to its respective flange and preventing displacement thereof axially of said shafts, torque transmitting means between said plates comprising a plurality of conical pins, each of said flanges provided with a plurality of conical openings therethrough and each coupling plate provided with a plurality of conical shaped openings therein, each of said pins tightly engaged within a separate pair of said openings, and separate threaded means for retaining each pin in its respective opening.

2,356,573

WASHING MACHINE

George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York

Application September 15, 1939, Serial No. 295,071
3 Claims. (Cl. 68—54)



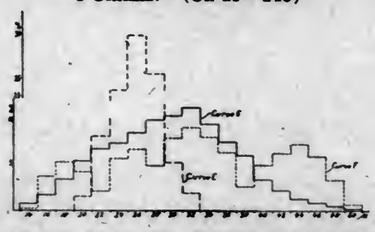
1. In a washing machine, a tub, a vertically reciprocable agitator in the central part of the tub for agitating the liquid and clothes, means for reciprocating the agitator vertically in the tub, liquid-impelling surfaces on the agitator for causing the liquid and clothes to flow radially along the bottom of the tub in closed radial unidirectional circulatory paths, and combing projections on the bottom of the tub circumferentially spaced apart radially outward of the agitator projecting into and having leading edges around and spaced from the agitator presented to the radially moving clothes at the tub bottom for combing the clothes to prevent tangling.

2,356,574

METHOD OF MAKING YARN

Ehrhart Franz, Leipzig, Germany; vested in the Alien Property Custodian

Application December 31, 1937, Serial No. 182,910
In Germany January 27, 1937
3 Claims. (Cl. 19—146)



1. The method of making yarn of staple fibers comprising cutting a bundle of continuous extruded artificial filaments successively along transverse lines, each cut being inclined relative to adjacent cuts to form bunches of fibers having an empirically predetermined non-uniformity of fiber lengths, mixing and combing said bunches of fibers, and then forming said fibers of predetermined non-uniform length into a yarn.

2,356,575

PROCESS FOR THE CATHODIC TREATMENT OF METALS

Jean Frasch, Clichy, France; vested in the Alien Property Custodian

No Drawing. Application March 28, 1940, Serial No. 326,494. In France April 8, 1939
2 Claims. (Cl. 204—56)

1. Process for forming a protective coat on a metal selected from the group consisting of iron, aluminum, copper and lead, in which said metal, in the absence of any external source of electric current applied to it, serves as a cathode in an oxidizing solution consisting of chromic acid and potassium permanganate through which solution passes a galvanic current engendered by connecting said cathode by means of an external conductor to a magnesium electrode immersed in the same solution and serving as an anode spaced from said cathode.

2,356,576

PROCESS FOR THE CATALYTIC CRACKING OF HYDROCARBON OILS

Gerhard Free and Wilhelm v. Fuener, Ludwigshafen-on-the-Rhine, and Otto Goehre, Heidelberg, Germany; vested in the Alien Property Custodian

No Drawing. Application August 8, 1939, Serial No. 289,044. In France August 8, 1938
10 Claims. (Cl. 196—52)

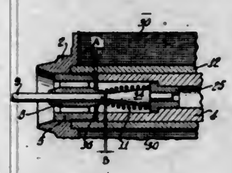
1. In a process for the production of liquid hydrocarbons by thermal treatment of carbonaceous substances at a temperature of from 300 to 700° C. in the presence of a catalyst obtained from an acid mixture of silica gel with a compound of a polyvalent metal, the improvement which comprises using a catalyst which has been produced by mixing a silicic acid sol with an aqueous solution of at least one water-soluble salt of a polyvalent metal, while maintaining throughout the process of mixing an acid reaction sufficient to prevent immediate precipitation and precipitating the gel by applying heat up to a temperature of 100° C. while maintaining the mixture on the acid side.

2,356,577

ELECTROMAGNETIC CONTROL FOR INJECTORS OF INTERNAL-COMBUSTION ENGINES

Ottavio Fuscaldo, Milan, Italy; vested in the Alien Property Custodian

Application January 30, 1941, Serial No. 376,678
In Italy February 12, 1940
2 Claims. (Cl. 175—341)



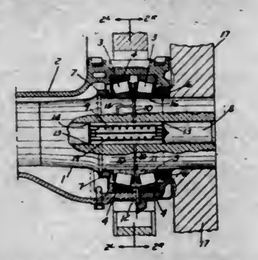
1. In an electromagnetic actuating means for an internal combustion engine injection valve having a valve stem, comprising longitudinally fixed and movable iron core parts providing a magnetically-closing and spring-opening gap; the combination of a co-acting pair of axial impact pieces of steel carried respectively by the fixed and movable core parts, the impact piece carried by the fixed core part being magnetically insulated therefrom and mounted in such location that the magnetic gap between the two core parts exceeds minutely the mechanical clearance between the two impact pieces, whereby when the impact pieces are in contact, the two core parts are held minutely close together but without substantial contact; so that impact between the iron core parts is prevented.

2,356,578

AXLE AND BEARING COOLER

James Pierce Gaitney, Birmingham, Ala.

Application May 25, 1942, Serial No. 444,336
2 Claims. (Cl. 308—76)



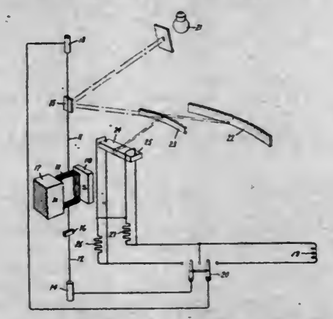
1. An axle and bearing cooling device comprising a cylinder set in a hollow in an axle and held in position by a flange at each end of said cylinder, said flanges being attached to the inner circumference of said hollow, space between the outer circumference face of said cylinder and the inner circumference face of said hollow; a fluid having a boiling point above six hundred degrees Fahrenheit contained in said cylinder, plug means in one end of said cylinder for inserting said fluid, lubricating oil in said space surrounding said cylinder, oil passageways leading from said hollow to the outer circumference of said axle, a groove that encircles said axle, said oil passageways leading into said groove, oil in said hollow disposed to circulate through said passageways and groove, said heat resisting fluid disposed to absorb the heat generated in said lubricating oil.

2,356,579

ZERO RETURN FOR GALVANOMETERS

George F. Gardner, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York

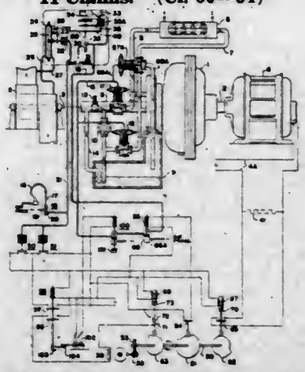
Application August 27, 1943, Serial No. 500,234
4 Claims. (Cl. 171—95)



1. A galvanometer having a moving element suspended by a torsional suspension and arranged for deflection in opposite directions from a central zero deflecting position where the torque of the suspension is zero, means for substantially neutralizing the torque of the suspension in other deflecting positions, and means for returning the movable element to the center zero deflecting position from either direction therefrom comprising a normally open energizing circuit for said galvanometer including a pair of light-sensitive means for generating opposing voltages in said circuit, a light source, a mirror on the moving

system for directing light rays from said source onto said light-sensitive means and inversely varying the distribution of light between said pair of light-sensitive means in accordance with the deflection, such light distribution being equal on the two light-sensitive means at zero deflection.

2,356,580
CONTROL SYSTEM
Harvard H. Gorrie, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application December 3, 1938, Serial No. 243,892, now Patent No. 2,255,284, dated September 9, 1941. Divided and this application January 29, 1941, Serial No. 376,459
11 Claims. (Cl. 60—54)



3. A control system of the type for varying the volume of fluid in a hydraulic coupling to produce a desired change in coupling output, comprising means for initially varying the volume of fluid in the coupling at a relatively rapid rate in a sense to effect the desired change in coupling output, the improvement in said system of means responsive to said first named means for thereafter gradually diminishing the rate of change in fluid volume independently of any change in the actual rate of coupling output.

2,356,581
PROCESS OF PREPARING PENTONE ACIDS AND THEIR SALTS
Felix Grandel, Emmerich-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application November 26, 1940, Serial No. 367,301. In Germany November 28, 1939
2 Claims. (Cl. 195—47)

2. In a process of preparing pentone acids and their salts, the steps of mixing xylose solution with a suspension of *Acetobacter suboxydans* and a nutritive saline solution, aerating the mixture, combining the resultant acid with calcium carbonate, filtering, the filtrate being precipitated by methyl alcohol and the precipitate dissolved in the desired proportion of water.

2,356,582
STIMULANTS SUITABLE FOR COMBATING SYMPTOMS OF FATIGUE AND PROCESS FOR THEIR PRODUCTION
Felix Haffner, Tubingen, and Fritz Sommer, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian
No Drawing. Application February 11, 1939, Serial No. 255,882
3 Claims. (Cl. 260—570.8)

1. A process for the production of a substance from the group consisting of 2-phenyl-3-amino-butane and 2-phenyl-3-methylamino butane which comprises reacting methyl ethyl ketone with sodium bisulfite, reacting the bisulfite compound so obtained with alkali cyanide to form nitrile of methyl ethyl glycolic acid, hydrolyzing said nitrile to form methyl ethyl glycolic acid, dehydrating said glycolic acid to form dimethyl acrylic acid, reacting said acrylic acid with benzene in the presence of aluminum chloride to form α,β-dimethyl hydrocinnamic acid, and substituting the carboxylic radical of said hydrocinnamic acid by a radical from the group consisting of amino and methyl amino radicals.

2,356,583
PROCESS OF PREPARING SOLDERING COPPERS
Leon N. Hampton, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 20, 1941, Serial No. 407,599
2 Claims. (Cl. 204—23)



1. The method of forming a heat transferring element such method consisting in annealing and forging a piece of oxygen-free copper to form a cylindrical portion, a conical portion, another cylindrical portion and a tapered portion, electrodepositing iron on one face of the end of the tapered portion, heating the copper and the deposited iron portion in aluminum powder to form a coating on the copper and the iron and removing the aluminum from a portion of the iron to serve as the working surface of the element.

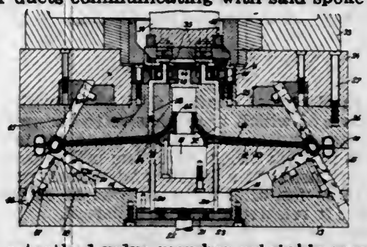
2,356,584
RECORDING SPINDLE
Rudolf Heil, Berlin-Dahlem, Germany; vested in the Alien Property Custodian
Application November 23, 1940, Serial No. 366,933
In Germany August 7, 1939
2 Claims. (Cl. 234—70)



1. A scanning device for use in a facsimile receiver comprising a rotatable member adapted simultaneously to record duplicate characters on a sheet, said member being formed in one piece and having two longitudinally spaced cylindrical surfaces each formed with an outstanding thread portion, a thread portion on one surface being a continuation of a thread portion on another surface, the spacing between said surfaces being such that corresponding points along each thread portion lie and are peripherally located on one straight line parallel to the cylinder axis.

2,356,585
INJECTION MOLD
Emil Hempel, Zerbst in Anhalt, Germany; vested in the Alien Property Custodian
Application December 3, 1940, Serial No. 368,312
In Germany November 23, 1939
14 Claims. (Cl. 18—42)

14. A mold for a steering wheel comprising a rim cavity, a hub cavity and interconnecting spoke cavities, bores intersecting the junctions of said rim cavity and said spoke cavities, core supports slidable in said bores into and out of said junctions, an annular cam rotatably carried by said mold for engaging and shifting said core supports, two sets of ducts, the first set communicating with said rim cavity and the second set of ducts communicating with said spoke cavities, a toothed valve member rotatably mounted on said mold, means connected thereto for injecting thermoplastic material through said two sets of ducts in succession, a shaft journalled in said mold and extending parallel to the axis of said hub cavity and of said rim cavity, and provided with two gears, one gear engaging said toothed valve member and the other gear engaging said annular cam.



2,356,586
THIO-DIGLYCOL ESTER PLASTICIZED POLYVINYL CHLORIDE
Winfrid Hentrich and Rudolf Endres, Dessau-Rosslau, Germany; vested in the Alien Property Custodian
No Drawing. Application June 14, 1941, Serial No. 398,105. In Germany March 1, 1940
2 Claims. (Cl. 260—36)

1. Plastic material consisting of a polymerisation product of polyvinyl chloride and an ester of thio-diglycol with a mono-basic aliphatic carboxylic acid comprising from seven to nine carbon atoms in the molecule.

2,356,587
QUATERNARY AMMONIUM COMPOUNDS
Winfrid Hentrich, Dusseldorf-Reisholz, Wilhelm Kaiser, Dessau in Anhalt, and Werner Reuss, deceased, late of Dusseldorf-Benrath, Germany, by Carl-Heinz Winkler, administrator, Dusseldorf, Germany; vested in the Alien Property Custodian
No Drawing. Application January 16, 1942, Serial No. 427,064. In Germany April 13, 1937
4 Claims. (Cl. 260—482)

1. Quaternary ammonium compounds of the formula

$$C_6H_5-CH_2-\underset{\underset{R_3}{|}}{\overset{\overset{(R)_2}{\|}}{N}}-CH_2-COOR_1$$

in which R is a lower alkyl, R_2 is a halogen and R_3 is a straight chain hydrocarbon radical of 6 to 18 carbon atoms.

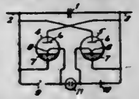
2,356,588
DRY RECTIFIER DEVICE
Heinrich Herrmann, Nuremberg, Germany; vested in the Alien Property Custodian
Application July 5, 1941, Serial No. 401,131
In Germany July 5, 1940
6 Claims. (Cl. 175—366)

1. The method of manufacturing dry rectifier cells which comprises the following steps: preparing a base plate electrode of a material selected from the group of light metals, placing a stencil on the top surface of the base plate for masking its outer region and exposing its inner region, spraying a stream of molten metal selected from the iron group onto the exposed inner region of the base plate so that the molten



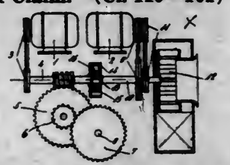
metal particles impinge on the base plate violently enough to roughen the base plate while coating it to form a coating thereon substantially integral with the base plate, applying a layer of a semi-conductor on the metal-coated inner region of the base plate and covering the semiconductor layer with a counterelectrode having a low melting point.

2,356,589
ELECTRIC VALVE CIRCUITS
Karl Hessenberg, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application July 1, 1939, Serial No. 282,538
In Germany November 26, 1938
9 Claims. (Cl. 175—294)



1. In combination, an alternating current circuit, a load device, means for controlling the energization of said load device and comprising a pair of electric valves reversely connected with respect to said alternating current circuit and each comprising an anode, a cathode and a control member, a pair of unidirectional conducting devices, each one of said devices being associated with a different one of said electric valves and each being poled in opposition to the normal direction of current flow between the control member and the associated cathode, and means responsive to the magnitude of the voltage of said alternating current circuit for effecting energization of the control members comprising glow discharge means, having a critical minimum operating potential characteristic, connected between the control members.

2,356,590
ELECTROMOTOR-DRIVEN MECHANICAL STOKER
Jörgen Helge Jacobsen, Hellerup, Denmark; vested in the Alien Property Custodian
Application July 16, 1940, Serial No. 345,866
In Denmark July 25, 1939
1 Claim. (Cl. 110—101)



In a driving arrangement for a mechanical stoker having fuel feed means and a fan, a first driving shaft, means for driving the fuel feed means from said first driving shaft, a first electromotor, permanent coupling means between said first electro-motor and said first driving shaft to drive said shaft at a predetermined minimum speed when said motor is running, a second driv-

ing shaft, a second electro-motor, permanent coupling means between said second electromotor and second driving shaft to drive the latter at a speed less than said minimum speed of said first driving shaft, a permanent coupling between said second electro-motor and said fan to drive the fan at a constant speed, and a free wheel coupling between said second driving shaft and said first driving shaft to drive the latter from the former when said first motor is not running.

2,356,591

WORK HOLDER

John Jesionowski, Hartford, Conn.

Application November 22, 1940, Serial No. 366,687

4 Claims. (Cl. 81—19)



1. A work holder comprising a block having a V-shaped work seat and a yoke member adapted to span said seat and having prongs received in openings in the block, detent means movably mounted in the block and projecting into said openings to engage and retain said prongs therein, said detent means being actuated to non-obstructing position by said prongs when the latter are inserted into the openings, and means accessible at a face of the block for moving said detent means to releasing position.

2,356,592

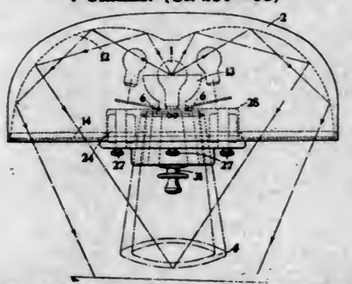
APPARATUS FOR PRODUCING ULTRA-VIOLET RADIATION

John Walter Kolbert and Frederick Gustav Adolf Haegele, Clippenham, Slough, England, assignors to The Hanovia Chemical and Manufacturing Company, Newark, N. J., an American company

Application January 22, 1943, Serial No. 473,180

In Great Britain May 9, 1942

7 Claims. (Cl. 250—88)



1. An apparatus for producing ultra-violet radiation including a source of ultra-violet radiation, an optical projecting system associated with said source and including means to project substantially all of the ultra-violet radiation in the form of a hollow beam that will irradiate an annular area enclosing an area substantilly free from irradiation, whenever a plane surface is interposed at right angles to the path of the beam within its effective range.

2,356,593

LIQUID OPERATED ELECTRIC CONTROL DEVICE

Walter Koeppe, Berlin-Spandau, and Gustav Kodal, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian

Application April 24, 1940, Serial No. 331,408

In Germany March 22, 1939

14 Claims. (Cl. 73—304)



1. An electrical control device comprising two parts one of which is responsive to the influence of surface tension so that the parts are movable relative to each other under the influence of the surface tension of a liquid, and means including said parts for altering an electrical circuit responsive to relative movement thereof.

2,356,594

PROCESS FOR THE PREPARATION OF VITAMIN B_1 AND OF SIMILARLY BUILT COMPOUNDS

Rezsö König, Árpád Gerecs, and Zoltán Földi, Budapest, Hungary; vested in the Alien Property Custodian

No Drawing. Application April 24, 1941, Serial No. 390,124. In Hungary May 25, 1940

7 Claims. (Cl. 260—251)

7. In the preparation of vitamin B_1 the step, which consists in subjecting 2-methyl-2,3-dichloro-tetrahydrofurane to the action of 2-methyl - 4 - amino - 5-[thioformamido - methyl]-pyrimidine.

2,356,595

BREECH DEVICE FOR FIREARMS

Josef Koucký, Prague, Bohemia; vested in the Alien Property Custodian

Application March 8, 1941, Serial No. 382,429

In Bohemia and Moravia December 22, 1939

4 Claims. (Cl. 42—16)



1. In a breech block device, a casing, a breech block slidable in said casing and guided by walls thereof, said block having opposite flat sides each formed with a bevel extending along part of the length of the side and extending outwardly from a line located approximately centrally of its width, the unbeveled portions beyond the ends of the bevel forming locking lugs and said casing being formed with recesses adapted respectively to receive said lugs and means for turning said block from an unlocked position in which the unbeveled portions of said sides are in guiding contact with said walls to a locked position in which said lugs are received in said recesses.

2,356,596

ELECTROLYTIC PRODUCTION OF UNSATURATED KETOLS

Andreas Krámli and Lássló Vargha, Budapest, Hungary; vested in the Alien Property Custodian

No Drawing. Application March 9, 1940, Serial No. 323,139. In Hungary August 31, 1939

3 Claims. (Cl. 204—75)

1. The process for the production of unsaturated ketols of the cyclopentane-polyhydrophenanthrene series by electrolytic reduction of the unsaturated polyketones of said series, which comprises dissolving an unsaturated polyketone of the group consisting of Δ^4-androstendone-3,17 and Δ^4-pregnendione-3,20 in an alcoholic solution of sodium acetate, subjecting the solution while stirring and at a temperature between 55 and 60° C. to cathodic electrolysis with a current density of two to three amperes per square decimeter, and separating out the product by crystallization.

2,356,597

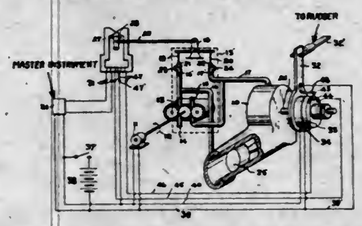
RUDDER MACHINE FOR AUTOMATIC PILOTS

Adam Kronenberger, Berlin, Germany; vested in the Alien Property Custodian

Application November 13, 1940, Serial No. 365,430

In Germany August 25, 1939

9 Claims. (Cl. 244—77)



1. In a disconnectable automatic steering device for aircraft having a servo-motor, an automatic controller for said motor and a rudder, a normally disengaged two-part clutch between said servo-motor and rudder, and an additional controller at the clutch responsive to the relative position of the rudder and motor, and effective to rotate said motor to bring the two parts of the clutch into a predetermined relationship upon throwing said automatic steering device into action.

2,356,598

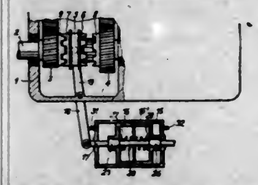
OPERATING MECHANISM FOR CLUTCHES

Richard Lang, Ravensburg, and Karl Maybach, Friedrichshafen, Germany; vested in the Alien Property Custodian

Application July 2, 1941, Serial No. 400,816

In Germany June 10, 1940

8 Claims. (Cl. 121—38)



1. A fluid pressure operated device for change speed gears comprising a casing, a rod adapted to operate a change speed gear mounted for axial movement in the casing, fluid pressure operated means in said casing slidably mounted on said rod for movement in both directions to the ends of the casing independently of the rod, spring means interposed between said rod and said fluid pressure operated means and positioned to store up energy throughout a movement of the fluid pressure operated means in each direction and becoming operating when the fluid pressure operated means is in its respective end positions to shift the operating rod.

2,356,599

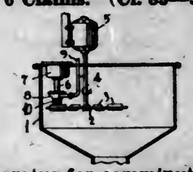
PROCESS AND APPARATUS FOR COMMINUTING LIQUID SUBSTANCES

Otto Landgraf, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian

Application November 26, 1940, Serial No. 367,286

In Germany May 5, 1938

6 Claims. (Cl. 83—91)



1. An apparatus for comminuting fused material comprising an element rotary about a substantially vertical axis, said element being provided with at least one beating blade extending outwardly from the axis of rotation, said beating blade being inclined upwardly at an angle less than 90° from the horizontal in the direction of the rotation thereof, means for supplying a stream of fused material downwardly toward such rotary element, and nozzle means for supplying a hollow stream of cooling liquid toward the rotary element enveloping but discrete from said stream of fused material until the fused material strikes the rotary element.

2,356,600

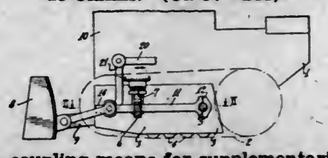
PUSHER MECHANISM FOR TRACTORS

Anton Lentz, Heidelberg, Germany; vested in the Alien Property Custodian

Application May 16, 1941, Serial No. 393,715

In Germany February 29, 1940

13 Claims. (Cl. 37—144)



1. In coupling means for supplementarily connecting an implement to be pushed by a chain track type of tractor wherein the tractor comprises a frame having a relatively fixed axle and a swing axle, with the chain tracks mounted on the axles; the combination of relatively rigid swing arms secured to said implement and pivoted to said fixed axle, a support element pivotally mounted on said fixed axle, said support element being movably connected to said swing axle, and connecting means movably connecting said support element with said implement.

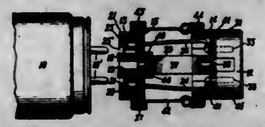
2,356,601

ADAPTER FOR DISCHARGE LAMPS

Charles F. MacCarthy, Medford, Mass., assignor to General Electric Company, a corporation of New York

Application July 7, 1942, Serial No. 449,991

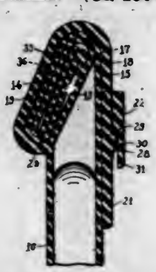
7 Claims. (Cl. 173—344)



1. A lamp adapter comprising a supporting member having contact means for engaging a

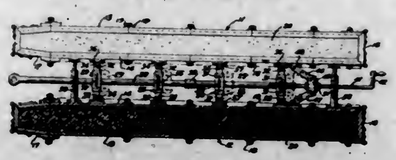
lamp holder, said member being provided with a groove, a resilient annulus, a portion of the perimeter of which is seated in said groove and fastened to said member, and a base having contact means for receiving lamp prongs fastened to another portion of the perimeter of the annulus opposite said supporting member and being resiliently carried thereby and conducting means electrically interconnecting the contact means on said supporting member and base, the centerline of the annulus being perpendicular to the centerline of the supporting member and base.

2,356,602
WATER BAG
Paul S. Madsen, Bethany, Conn., assignor to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut
Application September 2, 1942, Serial No. 457,023
2 Claims. (Cl. 150—8)



1. A water bag of the stopperless type having a body, a neck extending from the body and adapted for folding along transverse lines to form folded portions lying side by side and projecting outwardly from the body, means on the folded portions which interlock to resist unfolding, an elastic strap anchored to the bag adjacent the base of the neck at one side of the bag and adapted to be tensioned over the upper margin of the folded neck to maintain the neck folded and sealed, means located adjacent the base of the neck at the opposite side of the bag for releasably holding said strap in tensioned condition, a plurality of longitudinal ribs on the inner face of the strap adjacent its anchored end, and a plurality of ribs on the neck which engage and interlock with said last named ribs to maintain the relationship of the strap and neck in a lateral direction.

2,356,603
APPARATUS FOR PRECASTING CONCRETE PILES
Duke Marchbanks, San Francisco, Calif.
Application April 3, 1942, Serial No. 437,576
1 Claim. (Cl. 25—121)

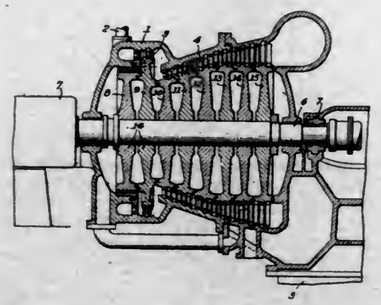


Pre-casting apparatus for manufacturing precast concrete piles, said apparatus comprising a pair of separately disposed moulds of indeterminate length for receiving the material, such as concrete, of which the structural supporting elements, such as piles, are to be made; said moulds being arranged in parallel relationship and each including an extensible inner side and an extensible outer side, a spacer assembly between said inner side walls of said moulds including a plurality of separate spacer members arranged at spaced intervals longitudinally of said moulds; said spacer members each comprising a central casting, a pair of opposed bifurcated arms pivotally connected to opposite sides of said castings, a pair of lugs secured to each of said inner side walls of said moulds adjacent the tops and bottoms thereof in line with said castings, and pivot pins connecting said arms to said lugs, and means for moving all of said castings simultaneously in either one or the other of two opposite directions, movement of said castings in one direction affording the application of pressure by said arms against opposite inner side walls of adjacent moulds adjacent the tops and bottoms thereof while movement of all of said castings in the opposite direction effects the relief of all pressure on said inner side walls instantaneously and throughout their lengths in a single operation.

2,356,604
COMPOSITION OF MATTER
Roger A. Mathes, Akron, and Paul C. Jones, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 21, 1941, Serial No. 415,945
10 Claims. (Cl. 260—302)

1. A composition of matter comprising the addition product of a mercaptan having the formula ASH where A is a heterocyclic nitrogen-containing group, with an aminoalkyl sulfide which contains no more than four sulfur atoms, and no more than three carbon atoms in the alkyl chain between the sulfur and nitrogen atoms, said aminoalkyl group containing no substituent groups other than hydrogen and hydrocarbon groups.

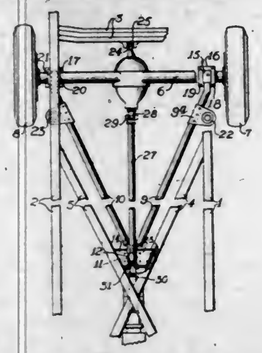
2,356,605
TURBINE ROTOR
Ulrich Meininghaus, Mulheim - on - the - Ruhr, Germany; vested in the Alien Property Custodian
Application January 3, 1941, Serial No. 373,008
In Germany January 8, 1940
10 Claims. (Cl. 253—39)



1. A blade carrying rotor for axal flow rotary machines, in particular steam or gas turbines, comprising a plurality of individual discs having axially extending rims relatively spaced to provide intervening spaces therebetween and hollow

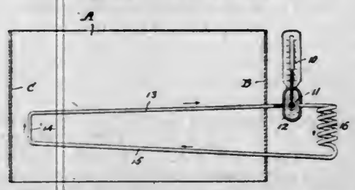
hubs, a shaft extending through said hubs, and means for bridging said intervening spaces for effecting interlocking of the rims of adjacent discs, whereby the hubs of adjacent discs are centered on the shaft and the mutual centering of the rims maintained during the operation of the rotor.

2,356,606
VEHICLE SPRINGING
Josef Müller, Stuttgart, Germany; vested in the Alien Property Custodian
Application September 12, 1939, Serial No. 294,520
In Germany September 13, 1938
8 Claims. (Cl. 267—20)



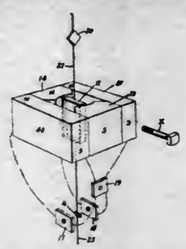
1. In a vehicle having a frame, in combination, a rigid axle, struts rigidly connected to said axle to form a wheel-supporting unit, means for pivoting said unit to said frame for movement about a central longitudinal axis, including means for pivoting said struts to said frame for movement of said unit about a transverse axis, and springs on opposite sides of said vehicle intermediate said unit and said frame, said springs forming the sole springing means intermediate said unit and said frame, and being positioned entirely on the same side of a straight line through the wheel centers as the pivotal connection of said struts to said frame, and the transverse distance between said springs being larger than the longitudinal distance between said springs and said transverse axis.

2,356,607
TEMPERATURE MEASURING DEVICE
James D. O'Brien, Brooklyn, N. Y.
Application April 7, 1942, Serial No. 437,983
5 Claims. (Cl. 73—349)



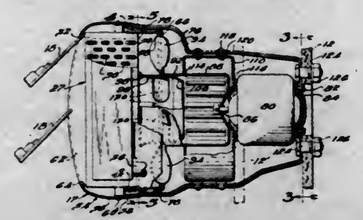
3. A device for indicating the temperature of a fluid flowing through a duct, including a temperature measuring instrument located exteriorly of the duct, a continuous conduit containing fluid heat conducting medium having an upper lead within the duct extending to and inclining towards the temperature measuring instrument and a return lead extending downwardly from the instrument and into the duct and having a portion disposed at an opposite inclination to the upper lead and connected and communicating therewith to provide a circulatory passageway through which the heat medium is circulated by the density differential of said medium.

2,356,608
GALVANOMETER
Lorin O'Bryan, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 15, 1943, Serial No. 494,775
3 Claims. (Cl. 171—95)



1. A galvanometer comprising stationary permanent magnet means for producing a flux across an armature gap, a coil rotatively suspended in such gap, a torsional suspension for suspending such coil, and means for nullifying the torque of such suspension when the coil is rotated in either direction from a neutral position where the suspension has no torque comprising a miniature permanent magnet connected to said coil adjacent such suspension but displaced from the immediate vicinity of and lying in the leakage field of the stationary permanent magnet means and polarized in a direction to oppose such leakage field when the coil is in a neutral position, a pair of magnetic members lying parallel to and on opposite sides of said miniature permanent magnet in leakage flux shunting relation thereto and adjustable toward and away therefrom for adjusting the influence of the leakage field on said miniature magnet, and another magnetic member lying in said leakage field between the stationary magnet means and miniature permanent magnet and adjustable so as to modify the relative distribution of leakage field flux between said pair of magnetic members.

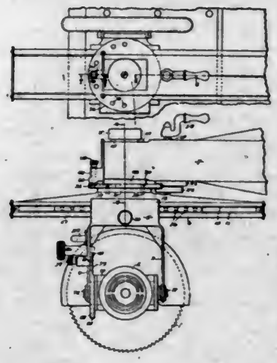
2,356,609
AUTOMOBILE BODY HEATER
Lambert M. Payne, Detroit, Mich.
Application February 27, 1937, Serial No. 128,077
4 Claims. (Cl. 257—137)



1. In an automobile body heater, a substantially vertical forwardly facing radiator, a unitary fan member rotatably mounted about a substantially horizontal axis in back of said radiator,

said unitary fan member including a centrifugal fan having a substantially circular extension thereon and a tubular member telescoped therein and forming the centrifugal fan inlet, said unitary fan member also including blade members on said extending portion and extending radially outwardly beyond the outer periphery of said centrifugal fan, said blade members being positioned forwardly of said centrifugal fan, and a motor for driving said unitary fan member mounted rearwardly of said centrifugal fan.

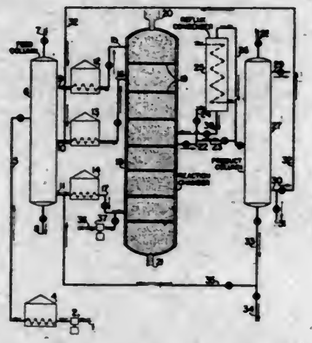
2,356,610
POWER-OPERATED MITERING AND BEVELING TOOL
Harold F. Penney, University Heights, Ohio, assignor to Red Star Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 12, 1942, Serial No. 426,459
3 Claims. (Cl. 143—6)



2. In a sawing machine, a work table; a tool supporting arm overhanging the table; a trackway carried by the arm and rotatable on a vertical axis on the arm; a saw reciprocable on the trackway in all rotated angular positions of the trackway; a disc secured to the trackway coaxial with the trackway rotationary axis; means to lock the trackway in predetermined rotated positions comprising: apertures in a circular series in the disc, and a pin on the arm movable into and out of the apertures; means to lock the trackway in other rotated angular positions comprising: a scale on the disc and an index on the arm to indicate said other positions; a gripping device connected to the arm for gripping the peripheral portion of the disc; a screw axially floatingly mounted on the arm for operating the gripping device; and a handle for turning the screw.

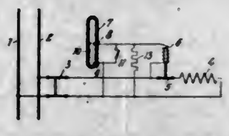
2,356,611
PROCESS FOR CATALYTIC CONVERSION OF HYDROCARBONS
Kurt Peters, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
Application November 28, 1940, Serial No. 367,670
In Germany November 18, 1939
6 Claims. (Cl. 196—52)

1. In a process for catalytically converting hydrocarbon oils at elevated temperatures using a catalyst moved through the reaction space in amounts by volume larger than the amount by volume of initial material passed through the reaction space at the same time, the improvement which comprises applying the catalyst in the form of a moving bed, separating the hydrocarbon oil feed stock into several fractions of different volatility, separately heating each fraction, leading the various fractions through the reaction space partly in countercurrent and partly in concurrent flow with respect to the moving catalyst bed, so that the relatively low boiling fractions and the catalyst bed are introduced



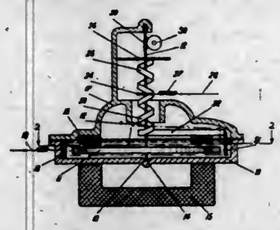
close to the same end of the reaction space and moved in the same direction, while the relatively high boiling fractions are introduced together with a flushing gas close to the opposite end of the reaction space and led countercurrently to the stream of the catalyst and said low boiling fractions, and withdrawing the reaction products at an intermediate point of the reaction space.

2,356,612
TEMPERATURE-RESPONSIVE CONTROL MECHANISM, ESPECIALLY FOR REFRIGERATING APPARATUS
Peter Pfaff, Berlin-Siemensstadt, and Hanns Benkert, Berlin - Charlottenburg, Germany; vested in the Alien Property Custodian
Application March 30, 1940, Serial No. 327,080
In Germany March 31, 1939
1 Claim. (Cl. 62—4)



Structure for controlling the temperature in the cooling chamber of a refrigerating apparatus having an electrically actuated cold producing device, comprising current supply means for energizing said device, a relay for controlling the flow of current from said current supply means to said device, a thermometer disposed in said cooling chamber and having a plurality of control contacts corresponding to different degrees of temperature, a manually-adjustable selective switch disposed separate from said thermometer and interposed between said thermometer and said relay, said switch having a plurality of contacts connected to the corresponding contacts of said thermometer for selectively connecting said contacts to said relay so as to operate the latter in accordance with a selected temperature, said switch having another contact connected with said current supply means for energizing, when selected, said device independently of said thermometer.

2,356,613
MERCURY AMPERE-HOUR-METER
André François Henry Poncet, Paris, France; vested in the Alien Property Custodian
Application January 21, 1942, Serial No. 427,649
In France February 25, 1941
2 Claims. (Cl. 171—34)



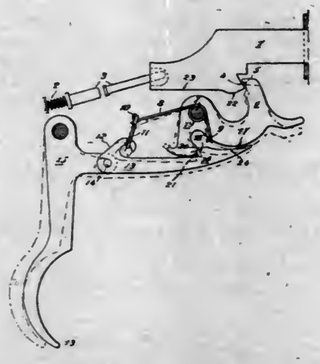
1. An ampere hour meter for indicating the capacity of a storage battery comprising a trough containing a pool of mercury, a disc of conducting material mounted to rotate in said pool, indicating means actuated by said disc, means for creating a magnetic flux through said disc transversely thereto, a fixed electrode and a movable electrode circumferentially spaced from each other about said disc and arranged to convey battery current in a determined path through said disc to rotate the same by coaction with said magnetic flux, means responsive to variation of battery current strength, and means responsive to variation of ambient temperature, each of said responsive means tending to vary the position of said movable electrode and the path of said current oppositely on increases of current and ambient temperature, and on decreases of current and ambient temperature.

2,356,614
JOINT FOR OIL-INSULATED HIGH-TENSION CABLES
Cornelis Frederik Proos, The Hague, Netherlands; vested in the Alien Property Custodian
Application June 20, 1941, Serial No. 398,968
In the Netherlands July 5, 1940
10 Claims. (Cl. 174—21)



1. A joint for oil-insulated high tension cables having conductors with central oil canals, said joint comprising a portion of a conductor, insulating material surrounding said conductor portion and a casing defining an outer oil space substantially surrounding the said insulating material; the said conductor portion having a perforated jacket of conducting material extending substantially thereabout in contact near its ends with the said conductor portion whereby to constitute said jacket a conducting portion of the conductor, and the said jacket having a graduated diameter which at its greatest point is substantially greater than the normal diameter of the said conductor thereby defining an inner oil space between said jacket and said conductor portion; means in said conductor affording oil communication between the central canal thereof and said inner oil space; a canal in said insulating material, extending from said perforated jacket to said outer oil space and disposed coaxially with but spaced from the said portion of the conductor, and affording oil communication between the said outer oil space and said inner oil space, through the said perforated jacket, a second conductor and a conducting clamp connecting said conductors.

2,356,615
FIRING MECHANISM FOR AUTOMATIC ARMS
Gino Révelli, Rome, Italy; vested in the Alien Property Custodian
Application December 12, 1939, Serial No. 308,871
In Italy December 23, 1938
2 Claims. (Cl. 42—69)

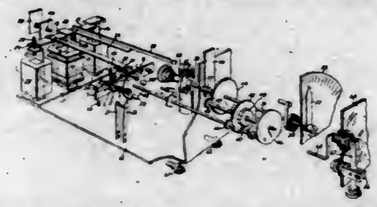


1. In an automatic gun, a striker having a tooth, yieldable means biasing the striker forwardly, a sear, a pivot pin, adjacent said striker, on which said sear is mounted, said sear being constructed and arranged to engage said tooth to hold said striker in retracted position, said sear being formed with a lower cam surface and with a lug, a trigger pivotally mounted rearwardly of the sear, a connector pivotally connected to said trigger forwardly of the pivotal axis of the trigger and extending along said cam surface and formed with a detent constructed and arranged to engage said lug to move said sear from holding position, and a spring coiled about said pin and having its ends connected with said sear and connector respectively and bearing upwardly thereagainst and thereby biasing said sear to holding position, said connector to a position with said detent in engagement with said lug and said trigger to forward position, said striker being formed with a cam surface constructed and arranged to further move said sear and by said first mentioned cam surface to disengage said detent from said lug.

2,356,616
PEAK DEMAND METER
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 15, 1942, Serial 450,976
8 Claims. (Cl. 171—34)

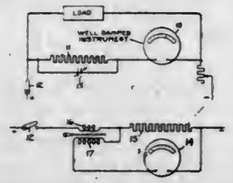
7. A peak current demand meter comprising a pointer, a gear train connected thereto, a spring for advancing said gear train and pointer, an escapement for controlling the advance of the gear train, an electromagnet provided with a movable armature for controlling the escapement, said electromagnet having two energizing windings,

one of which is energized in response to the current to be metered for producing a minor initial attractive movement of the armature and the other of which is energized in response to such movement to complete the major part of the at-



tractive movement of said armature, whereby the forces required for the advance of the gear train and pointer and the control of the escapement are merely controlled by the winding which is energized in response to the current to be metered.

2,356,617
QUICK RESPONSE DIRECT-CURRENT INSTRUMENT
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 25, 1943, Serial No. 473,436
4 Claims. (Cl. 171—95)

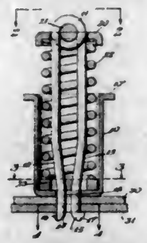


1. A well damped direct current measuring instrument of the deflection type adapted to be connected in a direct current measuring circuit to produce a measurement deflection proportional to the current flowing through said instrument, and means for causing said instrument to respond quickly to increasing and decreasing current measurement changes of different magnitudes comprising unitary electrical energy storage means, associated with the measuring circuit of the instrument, to momentarily amplify current changes through said instrument in proportion to and in the direction of the changes to be measured, said energy storage means responding only to such changes and being nonresponsive to steady-state measurement conditions of the instrument.

2,356,618
STABILIZED DIAZO PRINTING PASTE
Swanie S. Rossander, Chiles E. Sparks, and Carl W. Maynard, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 23, 1941
Serial No. 394,852
5 Claims. (Cl. 8—44)

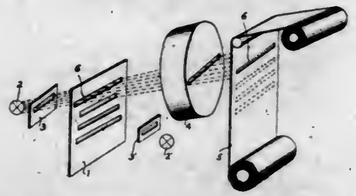
1. A printing paste comprising water, the reaction product of a diazonium halide with a metallic halide and a non-coupling member from the group consisting of aryl carboxylic acids, the soluble metallic salts thereof, and their anhydrides.

2,356,619
FASTENER
Irving Rossi, West Orange, N. J., and Peter F. Rossmann, Buffalo, N. Y.; said Rossmann assignor to said Rossi
Application April 19, 1941, Serial No. 389,410
8 Claims. (Cl. 85—5)



1. A fastener comprising a cup having an opening provided in the bottom wall thereof, a head movable axially towards and away from said cup, an elongated resilient element bent in U-fashion to provide a plurality of concentric circular loops and a pair of spaced legs urged apart by their own spring tension, said loops being secured to said head and said legs projecting through said opening, shoulders at the lower ends of said legs, a coil spring encircling said legs and engaging the inner bottom surface of said cup and said head, respectively, to cause said shoulders to engage the underside of said cup adjacent to said opening, said legs having intermediate portions forming angles with the axis of said opening to force said legs together by camming with said opening upon moving said head towards said cup.

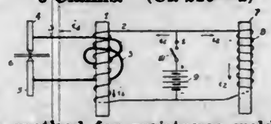
2,356,620
PHOTOGRAPHIC JUSTIFYING APPARATUS
Karl Werner Schade, Berlin, Germany; vested in the Alien Property Custodian
Application March 19, 1941, Serial No. 384,199
In Germany February 13, 1940
4 Claims. (Cl. 95—4.5)



1. In photographic justifying apparatus comprising a light source, adjustable lens means aligned with said light source and movable towards and away from said source, means for holding material to be photographed located between the light source and the lens means, and a casing for holding a sensitized film aligned with said lens means on the side of the latter away from said light source, said casing being provided with an opening facing said lens means, the combination of means for supporting said casing for simultaneous axial movement along the optical axis of said lens means and for tipping movement about a horizontal axis which is substantially perpendicular to said optical axis, lever means connected to said casing and said lens means and movable on adjustment of the lens means for causing movement of said casing, a second lever

means pivotally supported between its two ends and having one of its ends connected to said first lever means at the end of the latter adjacent said lens means whereby the second lever means is moved in accordance with the movement of the first lever means, and a viewing screen connected to the second end of said second lever means and movable therewith for viewing the image formed by said lens means, the rays transmitted through said lens means being adapted to be directed onto said viewing screen by deflecting means removably interposed in their normal path to direct them onto the viewing screen, said viewing screen being located above the optical axis of the lens means and at a distance therefrom wherein the lens means will form its image substantially in the plane of the viewing screen when the latter is being used.

2,356,621
PROCESS AND MACHINE FOR WELDING BY ELECTROMAGNETIC STORAGE OF ENERGY
David Sciaky, Paris, France, assignor to Welding Research, Inc., Chicago, Ill., a corporation of Illinois
Application November 26, 1940, Serial No. 367,236
In France June 4, 1940
6 Claims. (Cl. 219—4)



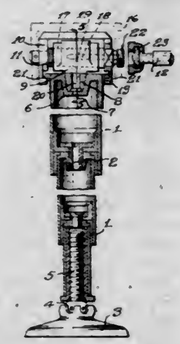
1. In a method for resistance welding with a welding current induced by interruption of a circuit supplying a current to an electromagnetic storage system, the step of applying to the terminals of said storage system, upon interruption of the supply circuit, an electromotive force opposite to the electromotive force of the storage system to accelerate the diminution of the current flowing in the storage system thereby shortening the time interval required by the welding current to reach a predetermined intensity.

2,356,622
MANUFACTURE OF CYCLIC AMIDINES
Paul Schlack, Berlin-Treptow, Germany; vested in the Alien Property Custodian
No Drawing. Application May 18, 1940, Serial No. 336,001. In Germany February 9, 1939
4 Claims. (Cl. 260—2)

1. Process for the production of reactive polyfunctional amidine compounds which comprises heating an O-substituted enol compound of a lactam selected from the class consisting of O-alkyl ethers and O-alkylsulfo- and benzenesulfo esters with an aliphatic polyfunctional compound selected from the class consisting of those having as one functional group an amino group and as the only other functional group a group selected from the class consisting of amino, hydroxyl, mercapto, carboxy, and nitrile radicals.

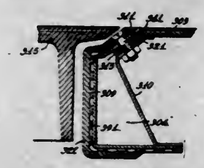
2,356,623
LIFTING JACK FOR MOTOR VEHICLES
Carl Schmitt, Leipzig, Germany; vested in the Alien Property Custodian
Application January 6, 1941, Serial No. 373,239½
In Germany May 5, 1939
2 Claims. (Cl. 254—86)

1. A fluid-operated telescope lifting jack attachable to motor vehicles, comprising a body portion of telescopic tubes fitted with passages for a pressure medium, a universally movable ground engaging base member attached to said tubes, a support on the vehicle frame for attaching said body portion thereto, a mouthpiece rotatably disposed on said support, a cock plug arranged in a casing possessing angular engaging members, said mouthpiece comprising a rotatable outer case for said plug, a spring for holding said outer case in position on said plug, a conical member supported by said outer case for attaching the top portion of the jack thereto, a conical sleeve with a passage for a pressure medium in said top portion, an axial channel and a second channel branching off



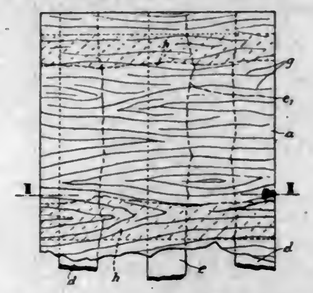
from said first channel in vertical direction thereto in said cock plug, a supply conduit connectible to the end of said plug where said first channel opens, a third channel provided in said conical member and extending vertically toward said first channel, said channels being in communication when the jack is turned 90° into operative position to permit the passage of a pressure medium and out of communication at the return motion of the jack, flanges on said body portion engaging behind said angular members of said casing to secure the jack in attached position and a threaded plug for closing the opening of said conical member after removal of the jack.

2,356,624
VEHICLE BODY
Conrad Schulz, Berlin-Spandau, and Karl Tandetzke, Teltow, Germany; vested in the Alien Property Custodian
Application May 5, 1941, Serial No. 391,888
In Germany September 2, 1939
2 Claims. (Cl. 296—28)



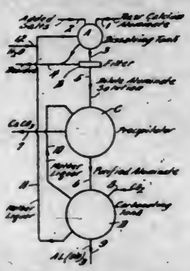
1. A vehicle body, comprising a plurality of separate parts, each of said parts consisting of fibrous materials impregnated with artificial resin, a frame structure connected with said body parts and comprising a plurality of steel bars and aluminum bars covering said steel bars, and layers of fibrous materials impregnated with artificial resin and covering some of the surfaces of said aluminum bars.

2,356,625
BUILDING PLATE
Artur Schumann, Kustrin-Neustadt, Germany; vested in the Alien Property Custodian
Application January 31, 1940, Serial No. 316,636
In Germany January 18, 1938
7 Claims. (Cl. 154—45.9)



1. A building plate capable of being cut, planed and nailed consisting of two spaced thin veneer plates, thin veneer waste strips arranged on the proximate faces of each of said plates at a distance not greater than about the double width of the waste veneer strips from each other and glued to the veneer plates across the direction of the fibers of the respective veneer plates to form opposed interrupted surfaces, the strips on one plate being staggered relative to the strips on the other veneer plate, and a compressed conformable filling substance mixed with gypsum for binding said opposed interrupted surfaces together to form a panel, said waste strips serving to reinforce the opposite panel walls along elongated areas staggered one with the other.

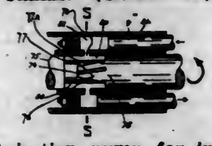
2,356,626
METHOD FOR DISSOLVING RAW ALUMINATES OF LIME IN WATER AND RECOVERING ALUMINA FROM SUCH SOLUTIONS
Jean Charles Séailles, Paris, France; vested in the Alien Property Custodian
Application March 12, 1940, Serial No. 323,570
In France March 22, 1939
9 Claims. (Cl. 23—143)



1. In dissolving raw calcium aluminate to form a stable solution, the method which comprises extracting the raw aluminate with an aqueous solution of an ionizable alkaline compound chosen from the group consisting of hydroxides and carbonates of the alkali metals, the solution of said alkali used having not in excess of 1 molecule for 1 molecule of alumina in the extracted aluminate, the solution being used in the proportion of at least 1000 parts to 5 parts of dissolved aluminate.

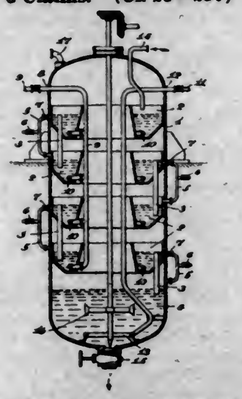
3. In the preparation of an aluminate solution, the method which comprises extracting raw aluminate with an aqueous solution including an alkaline compound of an alkali metal selected from the group consisting of hydroxides and carbonates of the alkali metals and an alkali metal sulfide, the sulfide retarding solution of silica.

2,356,627
INTERRUPTION INJECTION PUMP
Nikolai N. Skaredoff, New York, N. Y., assignor of one-half to George A. Rubissow, New York County, N. Y.
Original application June 27, 1940, Serial No. 342,638. Divided and this application November 25, 1942, Serial No. 466,848
4 Claims. (Cl. 103—41)



1. A fuel injection pump for internal combustion engine comprising a number of pistons each reciprocating in its respective cylinder provided therefor, a plurality of spring-loaded check valves, said valves provided to control each said cylinder, port provided in each said cylinder to control the inlet of the fuel, at least one rotary valve having a cylindrical body with at least two lands, said rotary valve being located in the fuel supply chamber and controlling the inlet of the said fuel through each said port, each said land being separated from the other by a groove open on the side leading to the said fuel supply chamber, each said groove registering each said port one at a time and for a predetermined length of time, thereby establishing an interrupted fuel injection controlled by the size and shape of each said land and each said groove.

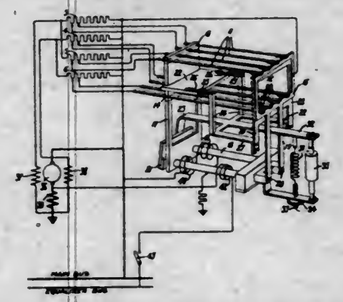
2,356,628
DEVICE FOR THE CONTINUOUS CLEAVAGE OF FATS, OILS, AND SIMILAR SUBSTANCES
Georg Pieter Gerhard Stalmann, Hamburg-Harburg, Germany; vested in the Alien Property Custodian
Application June 13, 1941, Serial No. 397,992
In Germany May 8, 1940
3 Claims. (Cl. 23—290)



1. A device for the continuous cleavage of fats, oils and similar substances, comprising a vertical

pressure vessel, a plurality of independent annular open troughlike containers arranged in superposed fashion in said vessel adjacent the periphery thereof so as to leave an unobstructed central space, means for supplying material to be treated to the uppermost container, an overflow pipe in each container for passing overflow material to the next lower container, the overflow pipe in the lowermost container discharging into the bottom part of said vessel, a branched steam supply pipe for said vessel, the branched portions of said pipe being perforated for introduction of steam into the lower parts of said containers and the pipe terminating in a perforated coil in the lower portion of the receptacle so that all of the containers will be subjected to the pressure produced by the steam emitted from the coil due to the unobstructed central space in the receptacle, a discharge for the treated material and adjustable means for controlling the supply and discharge of material to insure continuous operation at any degree of treatment.

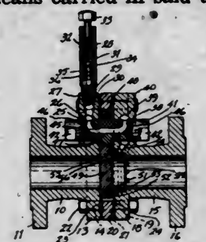
2,356,629
ELECTRICAL REGULATOR
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 8, 1941, Serial No. 392,416
3 Claims. (Cl. 171—223)



1. In combination, a dynamo-electric generator having a plurality of field windings, a plurality of multi-tapped resistors connected respectively in circuit relation with said field windings, electroresponsive circuit making and breaking regulating mechanism for progressively short circuiting the taps of said resistors, and means included in said mechanism for causing said short circuiting to occur alternately in a predetermined sequence with respect to said resistors such that after a given small fraction of the number of taps have been short circuited in one resistor the same small fraction of the number of taps are short circuited a tap at a time in another resistor until the same number of taps are short circuited in all the resistors before an additional tap is short circuited in said one resistor.

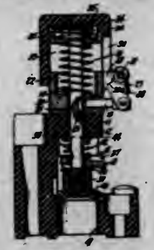
2,356,630
SWING GATE VALVE
Charles E. Strecker, Arlington, N. J., assignor to Encor Corporation, Belleville, N. J., a corporation of New Jersey
Application July 10, 1941, Serial No. 401,733
2 Claims. (Cl. 251—18)

1. In a gate valve, a valve body having a conduit therethrough and a valve gate chamber disposed transversely of said conduit having opposed walls surrounding said conduit, at least one of said chamber walls having an annular recess surrounding said conduit, a valve stem journaled in said valve body extending across said chamber in spaced parallel relation to said conduit, a valve gate slidably keyed to said stem and movably disposed in said chamber to open and close said conduit, said gate being of less width than said chamber and axially movable therein, valve ring means carried in said annular recess



for relative axial movement therein at one side of said gate having an annular sealing portion for engagement with said gate surface at one side in surrounding relation to said conduit, said sealing portion having a continuous annular plastic material receiving space and communication channel means extending from said space to the inner side of said valve ring means, there being an annular space in said recess at the inner side of said ring means, and plastic material supply passage means extending to said annular space.

2,356,631
ELECTRIC SWITCH
Roy N. Thomas, East Orange, and Thomas I. Maslin, Bloomfield, N. J., assignors to General Electric Company, a corporation of New York
Application November 18, 1942, Serial No. 465,998
2 Claims. (Cl. 200—159)



1. A switch comprising a movably mounted switch member including an operating member for said switch member, a first relatively strong spring biasing said operating member to a predetermined position whereby said switch member is biased to a predetermined first switching position, a latch member normally engaging said operating member when said operating member is in said first position thereby to hold said operating member in said position in the event of a shock applied to said switch, a second operating member movably mounted on said first operating member, a second relatively weak spring between said operating members for biasing said second operating member in spaced relation with said first operating member, said second operating member being movable first into engagement with said first operating member by the compression of said second spring without substantial movement of said first operating member against the force of said first relatively strong spring, and

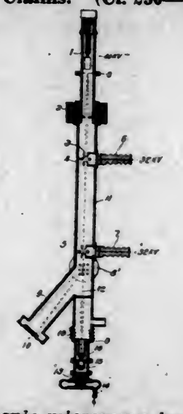
means operated by said second operating member during such first movement for moving said latch member to release said first operating member after which said two operating members are movable together to compress said first spring and move said switch member into a second switching position.

2,356,632
PILL BOX
Berend Jan van der Dool, Deventer, Netherlands; vested in the Alien Property Custodian
Application September 30, 1941, Serial No. 413,022
6 Claims. (Cl. 206—42)



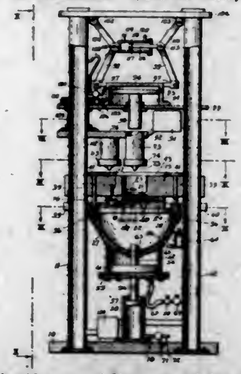
1. A box having a top wall provided with an opening therein for the escape of articles held in said box, a tab attached to and integral with said top wall and projecting over and positioned somewhat above said opening to retain articles in the box, said tab being attached to said top wall only along a weakened line to frangibly secure the tab to the top wall, and a separate cover, hingedly connected to said box, which cover when closed, is above said top wall.

2,356,633
ELECTRONIC MICROSCOPE
Manfred von Ardenne, Berlin-Lichterfelde, Germany; vested in the Alien Property Custodian
Application January 28, 1941, Serial No. 376,309
In Germany October 19, 1939
11 Claims. (Cl. 250—49.5)



1. An electronic microscope having means for holding an object in a fixed position, means for producing an electron beam, an electronic means for causing said beam to produce an image of the object, in combination with ion ray means associated with said microscope and positioned to direct an ion ray probe onto the object and means connecting said ion ray means with the microscope for permitting the movement of the ion ray means relative to the microscope and the object holding means in order to permit shifting the point of incidence of said probe relative to the object.

2,356,634
APPARATUS FOR INJECTION MOLDING
Fritz von Opel, New York, N. Y.; vested in the Alien Property Custodian
Application December 21, 1940, Serial No. 371,188
11 Claims. (Cl. 18—30)



1. An injection molding machine comprising, in combination, a clamping plate provided with an injection channel, at least one injection cylinder and a cooperating injection plunger at one side of said plate, said cylinder capable of communicating with said injection channel, movable hydraulic pressure multiplying means at the opposite side of said plate, said hydraulic means including a movable displacing member and being constructed so as to multiply the pressure exerted by said member, cooperating mold sections between said plate and hydraulic means, one of said sections associated with said plate and communicating with said injection channel and the other one associated with said hydraulic means so as to be subjected to the multiple pressure produced by said hydraulic means, means for moving said hydraulic means into a clamping position relative to said plate in which said mold sections are closed and into a rest position in which said mold sections are open, means for locking said plate and hydraulic means in their clamping position, and means for actuating said displacing member when said hydraulic means and plate are locked so as to exert a predetermined multiplied clamping pressure upon the mold sections.

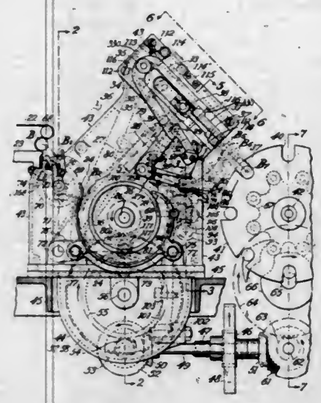
2,356,635
PROCESS FOR IMPROVING THE BAKING QUALITY OF FLOUR
Ernst Waldschmidt and Anton Bayer, Prague, Moravia and Bohemia; vested in the Alien Property Custodian
No Drawing. Application April 3, 1940, Serial No. 327,736. In Germany March 14, 1939
13 Claims. (Cl. 99—90)

1. Baked goods comprising a flour mixture having disseminated therein a small proportion of a metal salt of pectin which is physiologically harmless and difficultly soluble in water, said goods having a substantially greater volume than similar goods baked without said salt.

2,356,636
BUNCH SOFTENING AND SHAPING MECHANISM FOR CIGAR MACHINES
Henry H. Wheeler, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application October 3, 1938, Serial No. 234,001
31 Claims. (Cl. 131—80)

1. In a cigar machine, the combination with

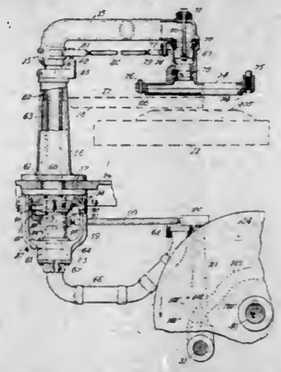
a detachable housing, of a countershaft journaled within said housing, a clutch member on said shaft adapted to be connected in a single predetermined timed relationship with the main drive of the cigar machine, bunch manipulating and locating means supported on said housing and driven from said shaft, a primary bunch transfer for delivering cigar bunches to said means, a device supported on said housing and driven from said shaft for trimming bunches and inserting them into successive pockets of a mold turret, a detachable turret housing, a mold turret supported in said housing and provided with pockets adapted to receive bunches from said device, in-



dexing mechanism connected to said turret and adapted to advance pockets thereof successively into position to receive bunches from said device, a pinion shaft journaled within said turret housing and driving said mechanism, a clutch member on said pinion shaft adapted to be connected with the main drive of the machine in a single predetermined timed relationship, and driving clutch members driven from the main drive of the cigar machine and constructed and arranged to be detachably connected to the clutch members on said shafts in predetermined relation to cause manipulation, location, trimming and delivering of the bunches to successive pockets of the turret in properly timed relationship.

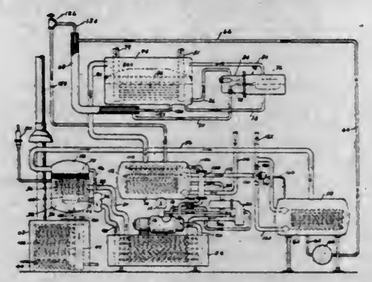
2,356,637
BINDER TRANSFER MECHANISM
Henry H. Wheeler, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Original application December 3, 1938, Serial No. 243,799. Divided and this application November 14, 1941, Serial No. 419,129
6 Claims. (Cl. 131—105)

1. A binder transfer comprising a hollow member swingable about a vertical axis, a perforated transfer head mounted on said member and communicating with the interior thereof, means for applying suction to said member to suctionally retain a binder on the perforated portion of said head, mechanism for turning said member about said vertical axis to carry said suction head from binder-receiving position to a position overlying a bunch rolling table, said mechanism being adjustable to vary the extent of turning movement of said member, and means for immediately lowering said member after it



has reached the limit of the turning movement to which said mechanism has been adjusted.

2,356,638
REFRIGERATING APPARATUS
Walter W. Williams, Chicago, Ill.
Application August 3, 1940, Serial No. 350,993
11 Claims. (Cl. 62—5)



1. In an absorption type refrigerating apparatus employing a low pressure refrigerant and including an absorber, a heat exchanger, a heater, a condenser, and a cooling coil, the provision of a centrifugal circulating pump interposed between the absorber and heat exchanger to circulate the solution from the absorber through the heat exchanger to the heater, and a flow regulator including a float-operated valve controlled by the level of the solution in the absorber interposed between the discharge side of the pump and the heat exchanger to maintain a head of solution over the intake side of the pump whereby cavitation of the pump is prevented.

2,356,639
APPARATUS FOR PRODUCING MATRICES IN GALVANIC BATHS
Arno Woltscheck, Porz, near Cologne, Germany; vested in the Alien Property Custodian
Application May 26, 1941, Serial No. 395,318
In Germany May 17, 1940
2 Claims. (Cl. 204—286)

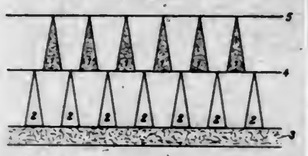
1. An apparatus for producing matrices in a galvanic bath from mechanically recorded flexible sound bands having a prepared conductive surface at the recorded portion thereof, comprising a supporting cathode for receiving the

band with its recorded and prepared surface exposed, said cathode having a helical rail comprised of spaced convolutions of channel-shaped cross-section, angular conductive segments extending around the edges of said helical rail and



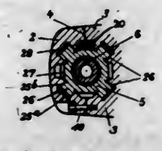
adapted to overlie the margins of the band in coextensive conductive relation with said conductive surface thereof, angular insulating segments extending over the outer surfaces of said conductive segments, and clamping means for securing the segments in position.

2,356,640
SOUND ABSORBING STRUCTURE
Hanns-Heinz Wolff, Berlin, Germany; vested in the Alien Property Custodian
Application November 3, 1941, Serial No. 417,671
In Germany September 17, 1940
6 Claims. (Cl. 20—4)



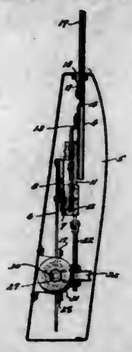
1. A sound absorbing structure made of interacting members of sound absorbing material, at least a part of the outer face of said structure being composed of a plurality of tapering elements having individually pointed tops, said elements being arranged in at least two groups, the tops of the elements of each of said groups lying in surfaces substantially parallel, but displaced with respect to one another and a positioning net for each group secured to the tops of the elements of its group.

2,356,641
BEARING SLEEVE FOR ROTARY SPINDLES IN MACHINE TOOLS
Robert Wölfle, Berlin-Pankow, Germany; vested in the Alien Property Custodian
Application June 13, 1940, Serial No. 340,300
In Germany June 17, 1939
4 Claims. (Cl. 308—3)



1. In a machine tool, a bearing sleeve member for a spindle rotatable therein, a stationary member in which said sleeve is movable in an axial direction, at least three guide bars secured to one of said two members and arranged star-fashion around the circumference of the sleeve, said bars projecting towards the other one of said members in a substantially radial direction and extending parallel to the sleeve axis, each bar having two substantially parallel guide faces on its opposite flanks respectively, said other member being provided with flanked recesses to receive therein said bars with their flanks in engagement with the flanks of said recesses, the circumferential surface of said sleeve being radially spaced from said stationary member and the front face of each bar being radially spaced from the bottom of the pertaining recess.

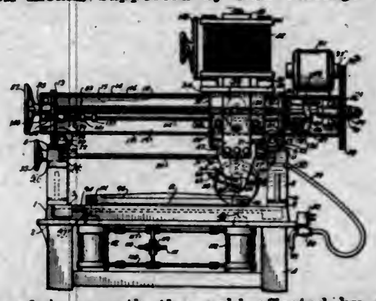
2,356,642
ELECTRICALLY OPERATED WINDOW REGULATOR
Edward L. Ackerman and Albert V. Crump, Detroit, Mich., assignors to Ackerman-Blaesser-Fenzey, Inc., Detroit, Mich., a corporation of Michigan
Application January 17, 1942, Serial No. 427,128
3 Claims. (Cl. 268—124)



1. Window regulator mechanism for moving a sash or glass in respect to an opening in an inclosure having inner and outer walls providing a recess for the glass therebetween, said mechanism comprising a supporting plate positioned in the recess, a second plate secured to the supporting plate, a member slidably supported by the second plate, a pair of crossed arms having the longer ends thereof swingably connected with the glass or sash and being pivotally supported at the crossing point by the slidable member, a pair of links each respectively pivoted at one end to the shorter ends of the said crossed arms and pivoted at the opposite ends to the second plate, a screw attached to the slidable member opposite the end to which the crossed arms are supported, a nut, a third plate secured to the supporting plate below said second plate and having ears between which the nut is positioned and held from movement longitudinally of the screw, a worm wheel in which the nut is centrally positioned, a worm meshing with the worm wheel, a reversible electric motor having a shaft for the worm, an electric circuit for the said motor, and a switch for controlling the application of current to the motor to cause rotation thereof in one direction or the other to move the slide and raise or lower the sash in respect to the window opening depending upon the direction of rotation of the motor.

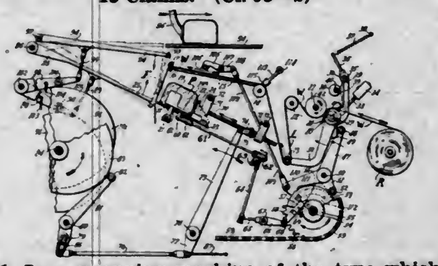
2,356,643
WELDING MACHINE
Harry A. Allshouse and Rex H. Dyer, Kansas City, Mo., assignors to Welder Patents Inc., Kansas City, Mo., a corporation of Missouri
Application December 15, 1941, Serial No. 423,004
15 Claims. (Cl. 219—4)

2. A welding machine including, a work support, clamping means arranged to clamp work to be welded on the support, a welding mechanism, a carriage supporting the welding mechanism for movement across the work support, percussion means supported by said carriage and



arranged to smooth the weld effected by said welding mechanism, a motor for reciprocating the carriage across the work support, and means for energizing the motor including means for effecting actuation of the percussion means.

2,356,644
BREAD WRAPPING MACHINE
Charles Arelt, Richmond Hill, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application November 27, 1941, Serial No. 420,636
15 Claims. (Cl. 93—2)

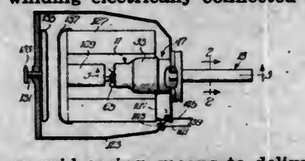


1. In a wrapping machine of the type which uses a continuous roll of wrapping material, a feed which comprises a continuously driven feeding roller, an opposed roller constructed and arranged to engage with said continuously driven roller to feed paper therebetween, a movable mounting for said opposed roller for moving said opposed roller toward and away from said continuously driven roller, a loop former for forming a loop in said paper, positively actuated means for actuating said loop former at predetermined intervals to place it in and out of engagement with said loop, and connections between said loop former and said mounting to intermittently impart actuating movement to said mounting from said loop former to move said rollers toward each other during each feeding cycle to effect the feed of paper therebetween and to move said rollers apart when paper is being drawn off into a loop by said loop former.

2,356,645
X-RAY TUBE
Zed J. Atlee, Elmhurst, Ill., and Howard W. Brackney, Washington, D. C., assignors to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application February 8, 1943, Serial No. 475,075
5 Claims. (Cl. 250—87)

1. X-ray generating apparatus comprising an X-ray tube having a metal mounting portion, a

closed casing in which said tube may be mounted by securing the mounting portion on said casing, tube energizing means having high and low voltage portions and including a transformer enclosed in said casing and having windings adapted for electrical connection to said tube and a grounded winding electrically connected to and



grounded on said casing, means to deliver electrical energy to the primary winding from a source of power disposed outwardly of the casing, and adjustable means for tuning the transformer for operation at a selected frequency, all high voltage carrying portions of the generating apparatus being enclosed within said casing.

2,356,646
MEMORANDUM APPLIANCE
John Charles Sydney Branson, Harborne, Birmingham, England
Application February 3, 1944, Serial No. 520,877
In Great Britain October 30, 1942
5 Claims. (Cl. 281—6)

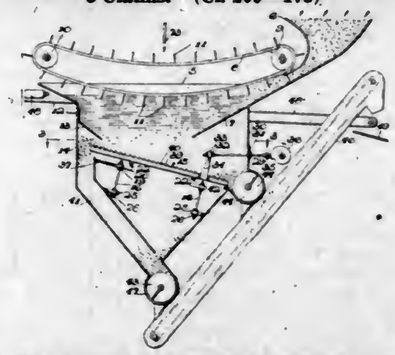


1. A memorandum appliance comprising a base having a flat central portion, a plurality of upwardly projecting webs at one side of the central portion, said webs being disposed at right angles to the edge of the base, in alinement with said upwardly projecting webs, a cover of trough section hinged to the base and engaging over said upwardly projecting webs, brackets on said cover having pivot portions parallel to but spaced from one edge of the cover, strips on the base having bearing portions engaging said pivot portions, springs on the base acting to press said bearing portions towards the base, and a window plate hinged to the base at the side opposite to that where the cover is situated, said window plate hinging down on to the base and being retained in such position by the edge of the cover.

2,356,647
SAFETY FUEL
Cecil L. Brown, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application December 7, 1938, Serial No. 244,357, now Patent No. 2,321,280, dated June 8, 1943. Divided and this application July 22, 1942, Serial No. 451,947
9 Claims. (Cl. 44—80)

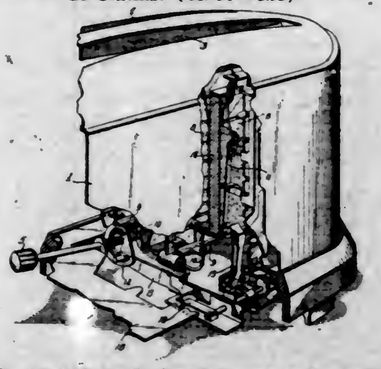
1. A safety fuel boiling substantially completely between about 300° F. and about 400° F., having a flash point of at least 100° F. by the closed cup method, composed predominantly of a mixture of paraffinic reaction products of an isoparaffin and an olefin and also containing compounds formed by hydrogenating the normally liquid condensation product of C_4 olefins said product boiling within the above-stated range, said mixture containing also sufficient anti-knock agent to raise its octane number to 100.

2,356,648
CLASSIFYING PROCESS AND APPARATUS
Jean Albert Brusset, Blairmore, Alberta, Canada
Application October 1, 1941, Serial No. 413,218
8 Claims. (Cl. 209—173)



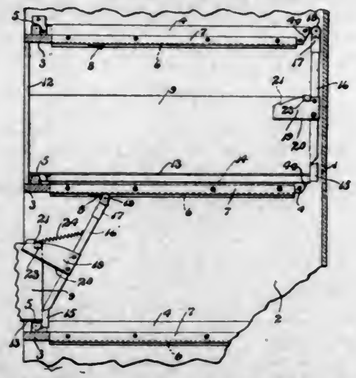
1. The process of separating a mixture of light, intermediate and heavy solid particles into its components according to their specific gravities, which comprises introducing the mixture into a body of suspension medium comprising finely ground solid particles in water, maintaining the suspension medium at a density to float only the light particles of the mixture whereby the intermediate and heavy particles tend to fall by gravity in a downward path through the suspension medium, imparting a sidewise propelling movement to the heavy particles across the line of their gravitational path, at a zone in said body of suspension medium intermediate the top and bottom thereof, toward one side of said body, while avoiding creation of vertical currents in the suspension and while simultaneously permitting the intermediate particles to move by gravity below such zone of sidewise propelling movement, segregating the so-propelled heavy particles at said side of the body of suspension medium and thereafter removing them from said body, and removing the intermediate particles from the body of suspension medium at a location below that at which said heavy particles are segregated.

2,356,649
TOASTER
Thomas Talbot Nelson Bucher, Narberth, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 6, 1942, Serial No. 441,952
18 Claims. (Cl. 99—328)



1. In an automatic toaster, means for initiating a toasting cycle, means for toasting a bread slice at a low average rate during the first part of the toasting cycle, thereby to effect crisping of the bread, manually-adjustable means for varying the duration of said first part of the toasting cycle to impart the desired degree of crispness to the bread, means for toasting the bread slice at a higher average toasting rate during a second part of the toasting cycle, thereby to effect coloring of the bread, and means for automatically terminating the toasting cycle when the bread has reached the desired color.

2,356,650
DRAWER CONSTRUCTION
Earle C. Bullock, Grand Rapids, Mich., assignor to Metal Office Furniture Company, Grand Rapids, Mich., a corporation of Michigan
Application July 15, 1942, Serial No. 451,041
2 Claims. (Cl. 45—7)

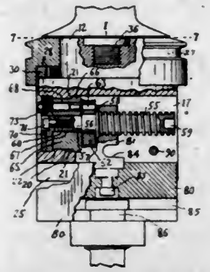


1. A filing case having for slidably mounting a drawer, a drawer slidably mounted thereon, an auxiliary back at the rear end of the drawer swingably mounted thereon at its lower edge and adjacent the lower side of the drawer and extending a distance above the drawer, tracks carried by the cabinet above the drawer terminating a short distance ahead of the back of the cabinet between the rear ends of which and the back of the cabinet the upper portion of said auxiliary back is located when the drawer is at innermost position, said auxiliary back tilting rearwardly on outward movement of the drawer to bear at its upper ends against said tracks, stops on said tracks a distance back of the front of the cabinet against which said auxiliary back engages when the drawer is moved outwardly to outermost position, and interengaging stop means on the drawer at its upper edges and the auxiliary back between the upper and lower edges of said back preventing rearward pivotal movement of said auxiliary back beyond a predetermined position.

2,356,651
MACHINE TOOL
George A. Chandler, Muncie, Ind.
Application June 9, 1943, Serial No. 490,381
5 Claims. (Cl. 77—58)

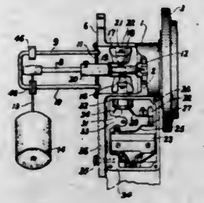
1. A boring and facing head comprising a rotatable body provided with a longitudinal diametral cleft, there being formed in said body, at a position spaced from the longitudinal axis thereof, an annular bearing whose axis is coincident with the transverse axis of said body and whose diameter is less than the width of the

said cleft, and the opposed inner faces of said cleft being of formation constituting at the mouth portion of the latter, a slideway in parallelism with the said bearing, a ring gear journaled concentrically on said body, a hub journaled in said bearing and having a flange to engage the inboard lateral face of said bearing, said hub being provided with an axial bore, a feed screw embodying an axial boss and stem, a gear wheel journaled on said boss, and the stem of said feed screw being received in the bore of said hub, gearing intermeshing with the gear wheel and said ring gear, means to fixedly secure the hub to the boss of the feed screw and to retain it against longitudinal movement in said



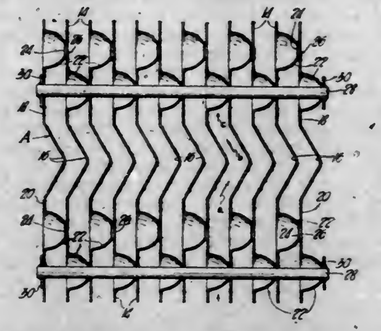
bearing, a device carried by said means and which is manually operable to couple the hub to said gear wheel, and to uncouple the hub from said gear wheel, a tool carrier retained movably in said slideway and which is threaded on said feed screw, whereby while the hub is uncoupled from said gear wheel, the carrier is capable of being manually set, and is retainable in adjusted position on said feed screw, and during the rotating of the body is swung in a circular path, and whereby when the hub is coupled to the said gear wheel and the ring gear is held against movement during the rotating of said body, the carrier is moved in said slideway and is swung in a spiral path.

2,356,652
LIQUID LEVEL GAUGE
William B. Connolly and George E. Ford, Rochester, N. Y., assignors to Rochester Manufacturing Co., Inc., Rochester, N. Y., a corporation of New York
Application March 1, 1943, Serial No. 477,537
2 Claims. (Cl. 200—84)



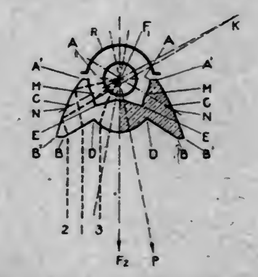
1. In a liquid level gauge of the type including a housing, an oscillatory float-operated shaft located within the housing, and a signal operating magnet extending radially from said shaft and movable bodily therewith, the combination with a signal operating switch located outside the housing and a switch actuator, of a pivoted operating lever movable independently of and controlling said switch actuator, said operating lever being located beneath said signal operating magnet, a roller carried by the end of the operating lever adjacent to its pivotal point and located for engagement with the switch actuator, a counterbalance carried by said lever and located above said roller, and a magnet at the other end of said operating lever located in proximity to the path of movement of the signal operating magnet, the weight of the lever and magnet operating to move the lever downwardly when released by the signal operating magnet.

2,356,653
HURDLE WASHER
Davis D. Cox, Fairfield, Ala., assignor to Tennessee Coal, Iron & Railroad Company, a corporation of Tennessee
Application December 16, 1942, Serial No. 469,257
2 Claims. (Cl. 261—111)



1. A hurdle section of the class described comprising a plurality of plates, each of said plates having a valley portion centrally disposed therein and a relatively straight vertical portion on each side thereof, at least one spacer on each vertical portion, the spacers of one portion being adjacent the end of the plate and the spacers of the other portion being adjacent the valley portion, the plates being arranged in vertical parallel rows with the last named portion at the top in alternate plates and means for fastening the plates together.

2,356,654
CATADIOPTRIC LENS
Philipp A. Cullman, Richmond Hill, N. Y.
Application December 19, 1942, Serial No. 469,521
1 Claim. (Cl. 240—106.1)



A catadioptric lens consisting of a transparent body, in the form of a prismoidal solid, made of one piece of refracting material, a linear light source placed in the primary focal line in the

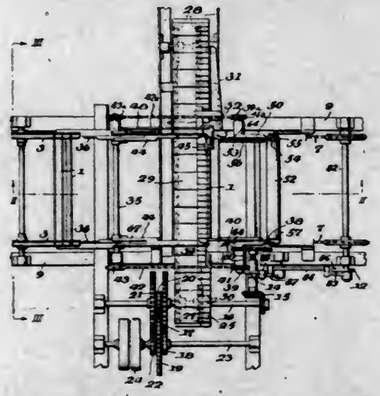
principal longitudinal section of said lens, each half of the cross-section of said body being delimited by: *a*, a curved outline, representing a single and continuous internally total reflecting Cartesian surface, the axis of said outline being inclined at an acute angle to the optical axis, *b*, an S-shaped line of incidence subtending a lateral angular zone relative to said light source, and representing a refracting surface of incidence, optically coordinated to said Cartesian surface with respect to said primary focal line, said S-shaped line having its upper concave portion centered on the light source and its lower convex portion centered on a point lying within the transparent body and near the central portion of the Cartesian surface, *c*, a line of emersion, intersecting said curved outline, and representing a refracting flat surface of emersion, optically coordinated to said Cartesian surface with respect to the remote secondary focal line on the principal longitudinal section of said lens, *d*, the outlines of the incidence and emersion face of a positive cylindric lens, forming the inner part of said body, and being confocally and coaxially aligned with it, the outer part of said body being shaped for reflecting light rays from said lateral incidence surface through said emersion surface and the whole system being a confocal alignment of all said surfaces with and on the common optical plane, and being designed for collecting the light flux radiated by said light source within a solid angle of near 180 degrees and concentrating it into a continuous asymmetric beam of rays, parallel to said primary focal line, and meeting in said remote secondary focal line.

2,356,655

MACHINE FOR COLLECTING FISH

Paul Danielsson, Stockholm, Sweden, assignor to Arenco Aktiebolag, a Swedish joint-stock company

Application July 6, 1942, Serial No. 449,943
In Sweden July 4, 1941
7 Claims. (Cl. 17—2)
(Granted under the provision of sec. 14, act of March 2, 1927; 357 O. G. 5)



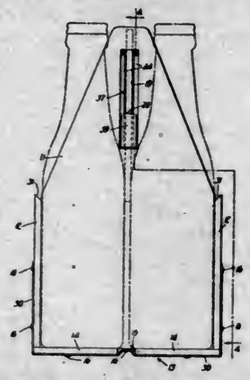
1. A fish collecting machine having a conveyor for feeding the fish transversely, means for supporting a spit longitudinally of the fish feeding direction to receive fish successively advanced and threaded by said conveyor on to said spit, and means for successively supplying said supporting means with empty spits and for successively removing filled spits from said supporting means.

2,356,656

CONTAINER AND PACKAGE

George James Datz, East Rockaway, N. Y., assignor to Pepsi-Cola Company, Long Island City, N. Y., a corporation of Delaware

Application July 12, 1941, Serial No. 402,086
3 Claims. (Cl. 224—45)



1. A container comprising a body forming a compartment open at the top and having substantially rigid opposed ends provided with registering guideway slots, and a handle member slidably mounted in the slots including a retaining member extending through a slot and slidably engaging an outer face portion of the contiguous end, said contiguous end being formed of a single sheet of relatively thick material and including recesses extending outwardly from the opposite sides of the slot, said retaining member being provided with laterally projecting end engaging elements fitting said recesses and located entirely within the plane of the outer face of said contiguous end.

2,356,657

WATER HEATING APPARATUS

Ralph B. Davis, Prestonsburg, Ky.

Application May 6, 1943, Serial No. 485,922
3 Claims. (Cl. 122—16)



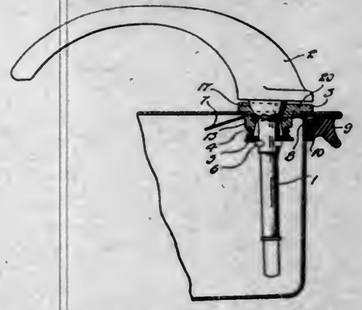
1. In a water heating apparatus for stand boilers, the combination of a stand boiler having a vertical flue of uniform cross-section extending therethrough, a gas burner located in the lower end of said flue, a preheating water coil located entirely within said flue, said coil having its supply end located at the upper end of the flue, a discharge connection at the lower end of said coil terminating in the lower portion of the stand boiler, a primary water coil located entirely within said flue intermediate said preheating coil and said burner, the intake of said primary coil being connected to the flue at the lower end thereof and the discharge of said primary coil being connected to the upper end only of the flue, and a discharge connection in the upper end of said boiler.

2,356,658

DOOR HANDLE ASSEMBLY

Roy H. Dean, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application November 24, 1941, Serial No. 420,183
1 Claim. (Cl. 292—356)



A handle assembly having in combination with a sheet metal door having outer and inner panels joined by a jamb face having a slot therein, an escutcheon provided with a bushing having a groove in the exterior of the bushing, a handle, a handle spindle, the latter rotatably supported in the escutcheon and the bushing, means for holding the handle spindle in the bushing and a spring key having a bayonet slot through the enlarged end of which the said bushing is insertable, said key having a wavy body portion insertable through the slot in the jamb face of the door and engaging in the groove in the bushing after the bushing has been inserted in the enlarged end of the slot of the key and after the key has pushed further into the door to bring the restricted end of the bayonet slot into the said groove, said key also engaging the inside face of the outside panel of the door to deform the key and draw the escutcheon yieldably against the outside face of the outer panel of the door and secure the escutcheon in place in the door, the outside end of the key being bent to prevent it passing through the slot in the jamb face of the door.

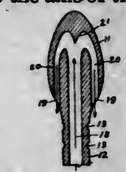
2,356,659

NOZZLE FOR DUODENAL PUMP TUBES

Clovis de Paiva Aguiar, Juiz de Fora, Minas Geraes, Brazil

Application October 27, 1942, Serial No. 463,506
In Brazil November 24, 1941
2 Claims. (Cl. 128—278)

1. In an apparatus for the pump tube treatment of sinuous organic channels, the combination with a flexible tube, of a nozzle, comprising a bulb-shaped body having a rounded forward end end, at its rear end, a short neck of reduced diameter to which said flexible tube is attached, said nozzle being provided with an axial inlet passage leading through said neck into said body, and a plurality of discharge channels of relatively small diameter communicating inside said body with said inlet passage, all of said discharge channels emerging from said body in a generally rearward direction and being so arranged that jets of fluid emitted from said discharge channels emerge from said body in a direction substantially parallel to the axis of the latter and outside



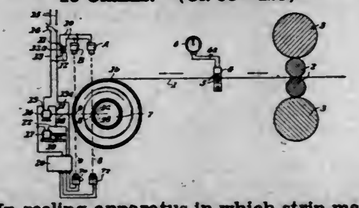
of the outer periphery of said constricted neck, whereby the introduction of a fluid under pressure through said tube into said nozzle and the emission of such fluids through said discharge channels tends to exert a forwardly propelling force on said nozzle and the attached flexible tube.

2,356,660

METHOD AND APPARATUS FOR DETERMINING THE AVERAGE THICKNESS OF THE ENTIRE WIDTH OF COILED METALLIC STRIP MATERIAL FROM ROLLING MILLS

Harry A. Deuel, Jr., Huntington, Ind., and George H. Krapf, Clairton, Pa.

Application June 13, 1942, Serial No. 446,964
15 Claims. (Cl. 33—125)

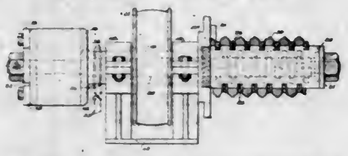


1. In reeling apparatus in which strip material is coiled upon a reel, means for determining the average thickness of the continuously moving strip material throughout the width of the material while the strip material is being coiled on said reel, said means including a rotatable reeling means on which the strip material is wound or coiled, a radial reel zone of predetermined extent, a counting means cooperating with said reeling means during the reeling operation for determining the number of revolutions of the reel corresponding with said predetermined radial thickness of the coiled strip defined by the entry and exit of the outer face of the coiled strip on the reel, into the beginning and ending respectively of said determined radial zone, the beginning and ending of said radial zone being intermediate the beginning and ending of said entire length of continuous strip as coiled on said reel, and synchronous control means for the counting means, said synchronous control means including an actuating member driven in synchronous relation with said reel, and another member actuated thereby, whereby a synchronous actuating relation between said reel and said counting means may be effected without mechanical clutching connections being interposed between the rotatable coil winding reel, and the revolution counter, and automatic control means for synchronizing the starting and stopping of the effectiveness of said synchronous control means for the counting mechanism during the reeling operation simultaneously with the beginning and ending respectively of said determined radial zone of coiled strip on the rotatable reel.

2,356,661
LUBRICATING OIL
Frederick B. Downing, Penns Grove, N. J., and Howard M. Fitch, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23,1942, Serial No. 440,200
18 Claims. (Cl. 252—37)

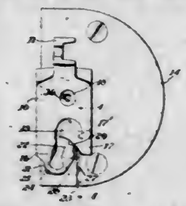
1. A lubricant comprising a petroleum lubricating oil having dissolved therein from 50 to 1000 P. P. M. of copper in the form of an oil-soluble non-ionogenic organic compound of copper and a small proportion, sufficient to impart substantial oil-stabilizing properties to the copper, of sulfur in the form of oil-soluble organic sulfur compounds.

2,356,662
APPARATUS FOR FORMING COILS
Louis E. Endsley, Pittsburgh, Pa., assignor to The Frost Railway Supply Co., Detroit, Mich., a corporation of Michigan
Application June 18, 1943, Serial No. 491,289
10 Claims. (Cl. 153—64)



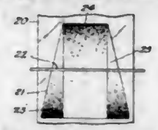
1. Coil-forming apparatus comprising a mandrel rotatable to wind a rod thereon, the mandrel being provided with a central bore and with radial openings that extend from the bore to the periphery of the mandrel, at points along a helical line, a cam shaft in the bore, and coil-guiding members extending into the openings and radially movable in the bore, to and from projected positions relative to the peripheral surface of the mandrel, each of the said guiding members having radially-opposed camming surfaces between which eccentric surfaces on the cam shaft are so arranged that the coil-guiding members are reciprocated radially through rotative movements of the shaft relative to the mandrel.

2,356,663
SEWING-MACHINE ATTACHMENT
John P. Enos, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 10, 1942, Serial No. 450,394
3 Claims. (Cl. 112—143)



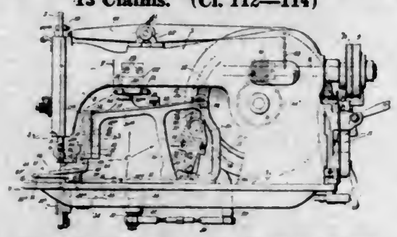
2. The combination with a hemming device having a needle hole, an arbor and a side-wall, said arbor and said side wall forming therebetween a cloth passageway, of a cloth-plate opposed to said hemming device, a member carried by said cloth-plate and having a portion thereof spring biased toward said hemming device, said member being aligned with said passageway and being effective to engage a portion of a cloth piece and force the same into said passageway to insure that a complete hem is made in said cloth piece, and means to adjust said member transversely of said passageway.

2,356,664
METHOD OF PRODUCING SOUND RECORDS ON FILM
Rolf Görisch, Dresden, Germany; vested in the Alien Property Custodian
Application February 15, 1941, Serial No. 379,081
In Germany January 24, 1940
6 Claims. (Cl. 179—100.3)



1. In a method of producing a sound record of variable density on film in which at the same time the width of the record is varied, the steps of exposing successive areas of constant width of the film to a light source whose intensity varies in accordance with the variations in the sound vibrations and decreasing the width of the sound record in proportion to an increase of the transparency of the film.

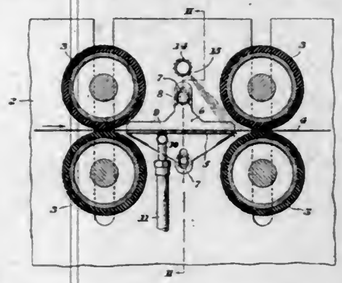
2,356,665
ARTICLE ATTACHING MACHINE
Hermann Gunther, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 6, 1943, Serial No. 478,246
13 Claims. (Cl. 112—114)



1. A work-holder for article-attaching machines comprising a work-supporting plate; a lower work-clamping member located above said plate and provided with an article-receiving pocket; spring means acting to depress said member to cause it to clamp a work-piece on said plate; a pivotally mounted upper work-clamping member overlying said pocket and having a portion extending thereinto for engaging an article therein; spring means tending to tip said upper work-clamping member upwardly about its pivot to expose said pocket; and other spring means operative in opposition to the second mentioned spring means to depress said upper work-clamping member into contact with an article in said pocket.

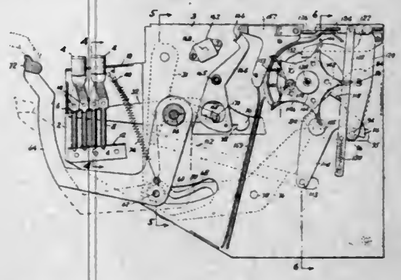
2,356,666
COATING DEVICE
Merrill V. Hamilton, Gary, Ind.
Application May 14, 1942, Serial No. 442,971
1 Claim. (Cl. 91—43)

The combination with spaced means for supporting and conveying metal sheets or strip, of a coating device disposed therebetween, including a flat plate extending transversely throughout and spaced beneath the path of the sheets or strip between said means, said plate having a series of apertures therein extending transversely of said path, means for supplying a liquid coating solution to the apertures for discharge of said solution between the plate and the sheets or strip, means for varying the flow of said solution,



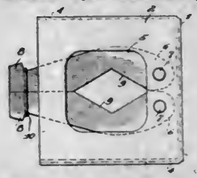
and means for adjustably positioning the plate toward and away from the path of the sheets or strip to vary the spacing between said plate and the under side of the sheets or strip, the said plate extending beyond the locus of the apertures in the direction of travel of the sheets or strip a distance sufficient to permit the formation of a layer of solution between sheets or strip and said plate.

2,356,667
TICKET ISSUING MACHINE
Reuben H. Helsel, Long Island City, N. Y., assignor to General Register Corporation, New York, N. Y., a corporation of Pennsylvania
Application November 14, 1942, Serial No. 465,544
12 Claims. (Cl. 164—49)



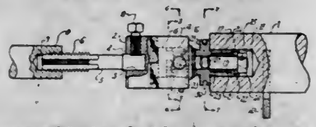
1. A ticket issuing machine comprising ticket strip guiding means, ticket strip feeding means, means for severing tickets from the strip comprising a spring arranged to effect the severing operation, and a member bodily carrying said spring but relative to which at least one extremity of said spring is movable, actuating means, and connections between the actuating means and the feeding and severing means such that, upon operation of the actuating means, said spring is first stressed so as to be in condition for effecting a severing operation, the feeding means is then actuated to feed the ticket strip, and the severing means is then caused to sever the ticket strip, said spring being thereafter carried bodily by said member during restoration of the parts to original position.

2,356,668
PHOTOGRAPHIC FILTER HOLDER
Burton C. Hineline, Rochester, and Fred Knoepke, New York, N. Y., assignors to Defender Photo Supply Co., Inc., Rochester, N. Y., a corporation of New York
Application May 1, 1944, Serial No. 533,484
7 Claims. (Cl. 95—81.5)



1. A photographic filter holder comprising a cardboard receptacle open at one end and closed at the other end, said receptacle including opposite walls having alined openings therein of a size approximating that of a filter, said opposite walls being spaced from each other sufficiently to accommodate a series of filters therebetween for packaging, and gripping means held against the inner surface of one of said opposite walls and movable in relation thereto to engage a lens tube and retain the receptacle thereon.

2,356,669
REVERSIBLE TAP HOLDER
Charles Howard Hook, Pittsburgh, Pa.
Application September 16, 1943, Serial No. 502,623
7 Claims. (Cl. 10—136)



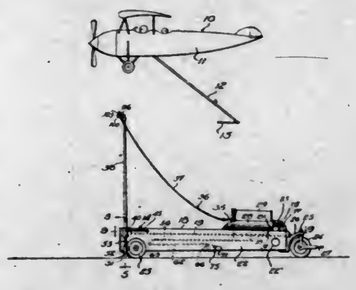
1. A reversible tap holder comprising a spindle having a head for receiving the tap and having clutch teeth thereon, a shank for mounting said spindle, and a clutch sleeve mounted on said shank for engaging the teeth of the spindle head, said sleeve being slidably mounted for axial movement on said shank, and said clutch teeth having trail-off edges which when engaged forcibly separates the clutch sleeve to release said tap holder for rotary movement.

2,356,670
WATCH KEY WINDER
Zachariah E. House, Cass Lake, Minn.
Application March 2, 1943, Serial No. 477,724
1 Claim. (Cl. 81—7.5)



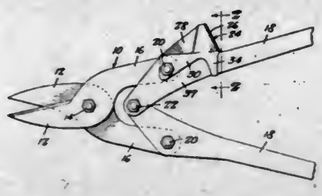
A device for winding a watch, comprising a pair of jaws, a pin pivotally connecting the jaws together, a spring having an intermediate portion coiled around the pin with the ends of said spring pressing against the jaws to maintain said jaws in operative relation, a plate curved around a part of the coiled portion of the spring, located between the inner ends of the jaws and secured to the coiled portion, a handle, a shank formed of a tightly coiled spring having one end mounted in the handle, the other end of the shank being rigidly secured to the curved plate.

2,356,671
AIRPLANE PICKUP MECHANISM
Jeannot G. Ingres, Detroit, Mich., and Henry W. Hey, Richmond, Va., assignors to E. Govan Hill and G. Tucker Smith, both of Richmond, Va., as trustees
Application May 8, 1941, Serial No. 392,568
9 Claims. (Cl. 258—1.6)



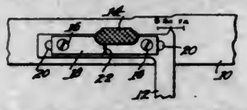
5. An airplane pick-up mechanism comprising a catapult having an article carrier, a latch mechanism for holding the article carrier in a normal position, and tension means connected to said article carrier to move it in one direction upon the releasing of said latch mechanism, flexible means connected to an article in said carrier and having a loop portion, a pair of spaced masts each having a pair of spaced fingers extending generally in said direction and adapted to receive said loop portion therebetween to support it in a position to be engaged by a pick-up device on an aircraft traveling thereover in said direction, one finger of each pair being movable and spring biased toward the other pair to releasably grip said flexible means, a solenoid energizable for releasing said latch mechanism, and a circuit for said solenoid including a pair of circuits connected in parallel and in which said pairs of fingers are respectively arranged and constructed to operate as switches when the loop portion of said flexible means is pulled therefrom by said pick-up device.

2,356,672
SNIPS
Jessie T. Ivy, Seattle, Wash.
Application September 14, 1943, Serial No. 502,375
4 Claims. (Cl. 30—252)



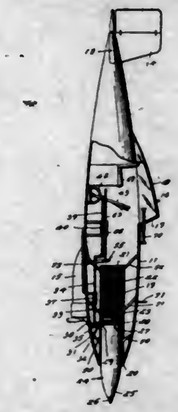
3. A thumb rest for cutting tools, comprising an integral sheet metal body, one part of which is bent to provide a hollow, upstanding member functioning as an abutment and rest for the thumb, parts of the body extending from the base of the upstanding thumb rest portion bent downwardly and relatively spaced apart to provide portions engaging the cutting tool handle to hold the device thereon.

2,356,673
LOCK WASHER CONSTRUCTION
Charles F. Janacek, Philadelphia, Pa., and Leonard Chapman, Worcester, Mass., assignors to Harrington & Richardson Arms Company, Worcester, Mass., a corporation of Massachusetts
Application December 16, 1942, Serial No. 469,202
3 Claims. (Cl. 151—32)



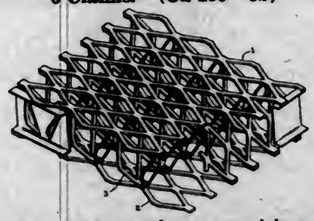
1. A device of the class described comprising an elongated strip having a projection at one side thereof intermediate its ends, said ends being bowed in a direction away from said one side, fasteners at each end of the strip to secure the latter to a support with the projection bearing on the support to provide a resilient thrust of said bowed strip ends against the fasteners in a direction away from the support, said strip ends being spaced from the support, and a slide located between the strip and the support.

2,356,674
FLYING CANNON
George P. Kimmel, Brookeville, Md.
Application June 3, 1940, Serial No. 338,644
9 Claims. (Cl. 244—1)



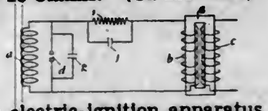
1. In a plane, a cannon barrel coaxial with the longitudinal axis of the plane fuselage and terminating at the forward end of the fuselage, a resilient projectile charge in said barrel, a sliding spring pressed latch engaging through a side of said barrel and normally holding said charge in compressed position, a latch operating cam engaging said latch, a cam operating member secured to said cam, means slidably supporting said member, a rock lever connected to said member, means pivotally supporting said lever, releasable locking means for said lever, an auxiliary elevator pivotally carried by said plane, and a lost motion connection between said elevator and said lever whereby to move said elevator to operative position subsequent to the movement of said latch to released position, said lost motion connection including a loop loosely engaging about said lever whereby continued movement of said lever beyond latch releasing position will move said elevator to operative position.

2,356,675
EXPANDED METAL STRUCTURAL MEMBER
Sarah S. Lachman, New York, N. Y., assignor to Transport Steel Products, Inc., Jersey City, N. J., a corporation of New Jersey
Application November 19, 1942, Serial No. 466,155
6 Claims. (Cl. 189—82)



1. A structural member comprising an outer grid of expanded metal, a second outer grid of expanded metal, an intermediate grid of expanded metal, said grids all having the same mesh, the intermediate grid being bent at points spaced apart by one diamond when measured along each outer grid and also when measured along the intermediate grid to a substantially 71 degree angle with the outer grids, the adjacent portions of the intermediate grid extending between the outer grids being in converging or diverging relationship in side elevation, and the intermediate grid being welded to the outer grids at points of contact which are bond points.

2,356,676
ELECTRIC IGNITION SYSTEM AND APPARATUS
John Andrew Laird, Birmingham, England, assignor to Bendix Aviation Corporation, New York, N. Y.
Application February 11, 1942, Serial No. 430,443
In Great Britain January 16, 1941
18 Claims. (Cl. 123—148)

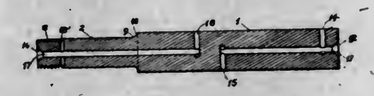


1. In an electric-ignition apparatus for internal combustion engines, an electric circuit comprising the combination of a current generating winding adapted to be energized by magnetic means, a transformer having a primary winding connected in series with the generating winding and a secondary winding adapted to produce the required sparking voltages at the engine plugs, the said primary winding being in one of two parallel connected branches of said circuit, a make and break device in the other of said branches adapted to short-circuit the generating winding, and means including a resistance connected in series with said primary winding for dissipating the residual energy in said circuit after each spark at the engine plugs.

2,356,677
TREATMENT OF CELLULOSIC TEXTILE MATERIALS
James Hutchison MacGregor, Braintree, England, assignor to Courtaulds Limited, London, England, a British company
No Drawing. Application April 8, 1942, Serial No. 438,195. In Great Britain May 8, 1941
4 Claims. (Cl. 8—100)

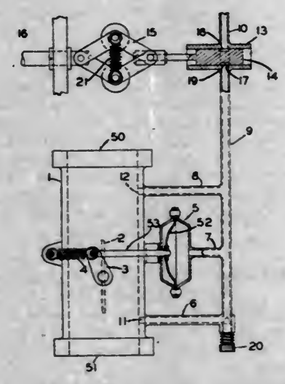
1. The process of improving the dyeing affinity of cellulosic material by treating such material prior to dyeing with a solution containing formaldehyde and a guanidine salt of a long chain aliphatic dicarboxylic acid containing at least 6 carbon atoms in the chain and then heating the material to convert the formaldehyde and the guanidine salt into an insoluble condensation product.

2,356,678
MANDREL
John Majors, Muskegon, Mich.
Application April 21, 1943, Serial No. 483,896
1 Claim. (Cl. 51—237)



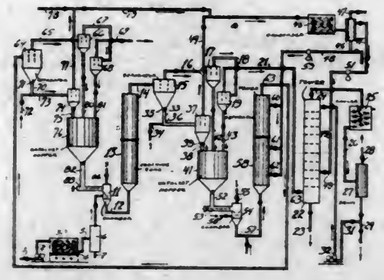
In a mandrel for use in grinding a plurality of rollers and the like, and having a plurality of different diameters with a concave shoulder at the juncture of two of the diameters for engaging one of the rollers and a bore extending longitudinally of the mandrel and axially thereof with ports extending therefrom to the periphery of two of the diameters of the mandrel in spaced apart relation to each other.

2,356,679
ENGINE GOVERNOR
Marion Mallory, Detroit, Mich.
Application June 8, 1942, Serial No. 446,243
6 Claims. (Cl. 123—103)



1. In an internal combustion engine having an intake passageway, a valve for controlling the flow of fluid through said passageway, a suction operated device connected to said valve, a conduit connecting the suction device into the intake passageway on the engine side of said valve, a second conduit for connecting the suction device with the intake passageway on the atmosphere side of said valve, and valve means controlled in accordance with the speed of the engine for bleeding said conduit to atmosphere whenever the engine falls below a predetermined speed and for closing said conduit to atmosphere whenever the engine reaches a predetermined speed whereby the suction device moves the governor valve towards closed position to maintain the desired governed speed of the engine.

2,356,680
CATALYTIC REACTION
Joseph V. Marancik, Roselle, and Edwin J. Gohr, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 3, 1940, Serial No. 350,510
3 Claims. (Cl. 196—52)



1. In the catalytic conversion of hydrocarbon oils wherein the catalyst in finely-divided state is suspended in the oil vapors to be converted, the resulting suspension passed through a conversion zone, the finely-divided catalyst containing volatile hydrocarbon oil separated from the vaporous conversion products, the vaporous conversion products subjected to fractional condensation in a fractionating zone to segregate a desired product therefrom, the catalyst segregated from said converted products subjected to regeneration by oxidation to remove non-volatile carbonaceous deposits formed thereon during the conversion treatment; the improvement which comprises treating the catalyst after separation from the conversion products and containing said volatile hydrocarbon oil and prior to regeneration with steam to vaporize volatile oil constituents retained thereon, separating the steam and volatile oil constituents from the catalyst, cooling the steam and volatile constituents to condense the steam and normally liquid oil constituents without intermixing with said vaporous conversion products, separating the steam condensate from the oil condensate and passing said steam condensate to the regenerating zone.

2,356,681
METHOD OF CARROTING AND COMPOSITION THEREFOR
Warren C. Mercier, Danbury, Conn., assignor to American Hatters and Furriers Company, Incorporated, Danbury, Conn., a corporation of New York
No Drawing. Application June 21, 1943
Serial No. 491,721
6 Claims. (Cl. 8—112)

1. The art of preparing fur for felting comprising, subjecting the fur to the chemical action of a solution, comprising as its active carroting ingredients, sulphuric acid, chloric acid, nitric acid and hydrogen peroxide.

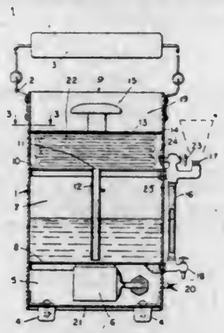
2,356,682
CHEMICAL COMPOUNDS
William E. Messer, Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 30, 1942,
Serial No. 441,211
2 Claims. (Cl. 260—306)

1. A compound having the formula R—O—X where R is an arylene-thiazyl sulfide group; O is oxygen directly linked to thiol sulfur of the sulfide group; and X represents an R group.

2,356,683
CYCLO-POLYMETHYLENO-META-DIOXANES
Louis A. Mikeska, Westfield, and Erving Arundale, Colonia, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 3, 1940,
Serial No. 351,150
11 Claims. (Cl. 260—338)

1. A process for producing 4,5-cyclohexo metadioxane which comprises condensing cyclohexene with formaldehyde at a temperature of from 60° C. to 80° C., under a pressure sufficient to maintain the olefin in the liquid phase, and in the presence of sulfuric acid of 45–55% concentration.

2,356,684
SURGICAL PAD STERILIZER
Frederick Mason Miner, Jr., Madison, Wis., assignor to Renim, Inc., Madison, Wis., a corporation of Wisconsin
Application October 25, 1941, Serial No. 416,474
5 Claims. (Cl. 68—21)

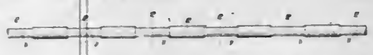


1. In an apparatus for sterilizing pads in the nature of fibrous surgical pads by contact with hot liquid and for expelling said liquid therefrom after sterilization, the combination comprising a parallel-sided sterilizer basin for accommodating pads to be sterilized, a pad-covering follower-plate positioned in said basin transversely with respect to said parallel sides and movable longitudinally with respect thereto, said plate having a configuration closely approximating the configuration of a transverse section of said basin whereby a small clearance exists between the periphery of said plate and the walls of said basin, a boiler beneath said basin comprising an enclosure adapted to receive and contain liquid and vapor, an access opening in said boiler disposed at a level substantially below the top of said boiler and adapted to form with said boiler the sole means of ingress and egress therefor, and a pipe extending from said opening upwardly into communication with a lower part of said basin whereby changes in vapor pressure within said boiler to and from pressures above and below atmospheric pressure cause liquid above said access opening to be expelled from said boiler into said basin and to be drawn back into said boiler without escape from said boiler of vapor above said opening.

2,356,685
COMPOUNDED OILS
George L. Neely and Frank W. Kavanagh, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 14, 1943,
Serial No. 490,770
15 Claims. (Cl. 252—53)

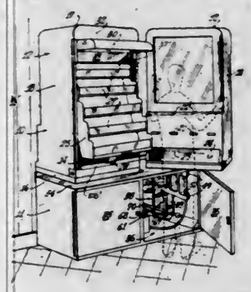
1. A composition of matter comprising a hydrocarbon oil of lubricating viscosity and a small amount each sufficient to improve the properties of the oil affecting its use as a lubricant, of a metal salt of a phenol and a metal salt of an acid ester of sulfuric acid.

2,356,686
MANUFACTURE OF STUD BOLTS
Archibald Park Newall, Glasgow, Scotland
Application April 6, 1943, Serial No. 481,973
In Great Britain February 6, 1943
1 Claim. (Cl. 10—27)



The method of manufacturing stud-bolts from cylindrical metallic bar stock which comprises cold swaging the bar circumferentially at points spaced apart along the length of the bar so as to form on the bar portions of less diameter than the original diameter of the bar, parting off swaged stud-bolt blanks from the bar, and rolling screw threads on swaged portions of the blanks, the portions of the bar from which the stud-bolt blanks are formed being heat treated prior to the thread-rolling operation.

2,356,687
VENDING MACHINE
Charles L. O'Reilly, New York, N. Y.
Application October 30, 1941, Serial No. 417,095
8 Claims. (Cl. 312—35)



8. In a device of the class described comprising a dual purpose cabinet having an open side formed in one side thereof and a normally coin latched dispensing means formed in the opposite side thereof and a base means for supporting the dual purpose cabinet closely adjacent a vertical wall, the combination therewith of bracket means in said base for supporting said dual purpose cabinet for swinging and rotative movement when the latter is raised above said base means whereby to permit rotation of said dual purpose cabinet to dispose one or the other side side portions thereof to the front of said cabinet, and means for lifting said bracket means relative to said base means.

2,356,688
CABINET
Charles L. O'Reilly, New York, N. Y.
Application October 30, 1941, Serial No. 417,096
2 Claims. (Cl. 312—185)



1. A display device comprising a cabinet provided with an open front and a back wall, a shelf assembly normally occupying the interior of the cabinet and adapted to be displayed through the open front thereof and comprising a plurality of shelves positioned between a back and side walls of the shelf assembly, means providing a hinge connection between the back wall of the cabinet and the back wall of the shelf assembly to permit the shelf assembly to be pivoted from its position within the interior of the cabinet to a display position with respect thereto, a member hingedly connected to the bottom of said shelf assembly and having an intermediate portion adapted to engage the cabinet for supporting the shelf assembly in said display position, means providing the hinge connection between said member and said shelf assembly, and a flexible element connecting said member to the cabinet to limit outward pivotal movement of the shelf assembly with respect to the cabinet.

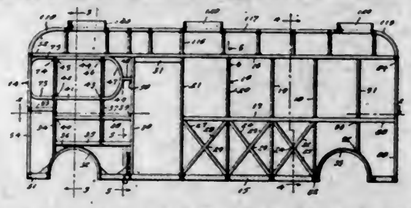
2,356,689
PURIFICATION OF ALCOHOLS
Rudolph J. Ozol, Hillside, and Christopher R. Masterson, Summit, N. J., assignors to Standard Alcohol Company
No Drawing. Application May 28, 1941,
Serial No. 395,626
9 Claims. (Cl. 202—57)

1. The method of stabilizing and improving the odor of an aliphatic alcohol prepared by the treatment of a corresponding olefin with sulfuric acid which comprises contacting the alcohol with small amounts of cuprous chloride.

2,356,690
COMBINED VEHICLE BODY FRAME AND CHASSIS
Arthur R. Perkins, Oneonta, N. Y.
Application July 23, 1941, Serial No. 403,731
2 Claims. (Cl. 296—28)

1. A skeleton metal body frame structure for vehicles including a pair of side walls, a bottom wall, front and rear end walls, each of said side walls comprising an elongated horizontal upper tube and a second elongated horizontal lower tube, spaced vertical tubes connecting said upper and lower tubes, brace tubes connecting said vertical tubes for bracing the side walls against ver-

tical stresses, a pair of upwardly arched wheel well forming members secured to said lower tube adjacent the extremities thereof, vertical angle iron braces connecting said upper tube to said wheel well adjacent the front of the vehicle, a window frame secured to said upper tube and to said angle irons, said front wall comprising horizontal upper, lower and medial tubes, vertical tubes connecting said front lower and said medial tubes, a central vertical tube connecting said upper and said medial tubes, a substantially rectangular window frame comprising a continuous tube secured along its upper edge to said upper tube and along one side edge to said central vertical tube, said latter window frame constituting a front wall bracing means, brace tubes



connecting said window frame to said medial tube, a channelled transverse member connecting said side walls together adjacent the forward ends of the latter, a pair of outer uprights secured to said transverse member adjacent the outer ends of the latter, a pair of inner uprights secured in spaced relation to said transverse member, a pair of horizontal members connecting said inner uprights with said outer uprights, and triangular bracing webs secured to said inner and outer uprights and to said transverse and horizintal connecting members, said inner and outer uprights and said horizontal connecting members being correlated with said front wall vertical connecting tubes in providing an engine assembly support.

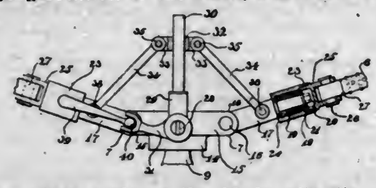
2,356,691
ANTITORPEDO SHIELD
Norman Rice Peterson, Seattle, Wash.
Application July 8, 1943, Serial No. 493,892
6 Claims. (Cl. 114—240)



1. An anti-torpedo shield for ships, comprising intersecting and interconnected vertical and horizontal frame members dividing the shield into sections, a smooth, streamlined watertight shell enclosing said frame members, for forming a partly hollow, buoyant structure, and weighted means within said shell, for holding the shield in vertical position in the water.

2,356,692
ROTATIVE-WINGED AIRCRAFT
Haviland H. Platt, New York, N. Y., assignor to Rotary Research Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 4, 1941, Serial No. 377,354
15 Claims. (Cl. 244—17)

1. An aircraft lift rotor including a hub, a plurality of airfoil blades hingedly connected to said hub by a pivot permitting up-and-down motion of the blade and by a pivot permitting pitch-varying rotation of the blade, and means correlating pitch-angle of the blade with its cyclic flapping-angle, substantially uninfluenced by the cone angle of the blades.

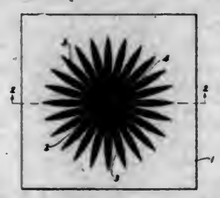


2,356,693
STAPLE REMOVER
Fridolin Polzer, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut
Application October 7, 1943, Serial No. 505,333
5 Claims. (Cl. 254—28)



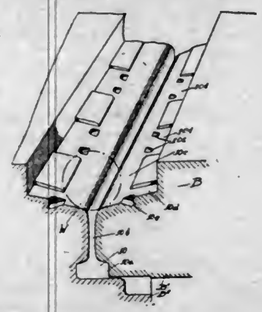
1. A staple remover comprising a base member adapted to be inserted under the top bar of a clinched staple, a member mounted on the base member including a portion to move under the bar with said base member and a second portion to at the same time move to a position over said bar, said second portion extending forwardly over and downwardly in front of the bar in position to retain the staple on the first portion and prevent its flying therefrom as it is removed, and means for raising the said second member from the base member to remove the staple.

2,356,694
OPTICAL FILTER AND METHOD OF PRODUCING SAME
Rowland S. Potter, Brightford Heights, and John M. Centa, Rochester, N. Y., assignors to Defender Photo Supply Co., Inc., Rochester, N. Y., a corporation of New York
Application March 15, 1943, Serial No. 479,17[illegible]
2 Claims. (Cl. 95—81)



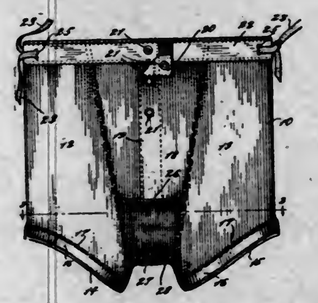
1. A photographic filter having a uniform index of refraction throughout and comprising a continuous, single layer that is transparent throughout and of uniform thickness at its center and edge portions, said layer containing as an integral part on one surface thereof a pattern of less area than the filter, said pattern being transparent throughout and comprising a circular central portion and outwardly tapering symmetrically arranged portions radiating in all directions from said central portion and separated from each other by inwardly tapering spaces of less density than the pattern area, said circular central portion and outwardly tapering radiating portions of the pattern being of uniform density throughout and of greater density than the remaining area of the filter whereby the filter is effective to obtain uniform exposure of a negative with a lens of extreme curvature.

2,356,695
METHOD OF MAKING RAILS FOR MODEL RAILWAYS
Dwight E. Priest, Worcester, Mass., assignor to Parker Manufacturing Company, a corporation of Massachusetts
Application January 11, 1940, Serial No. 313,426
4 Claims. (Cl. 207—1)



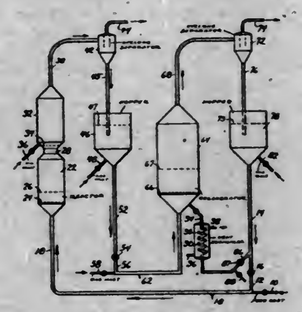
1. In the manufacture of lengths of rail for model railroads, the improvement which consists in subjecting an elongated metal rod, corresponding substantially in length to the desired piece of rail, to an extrusion throughout its length which is wholly lateral in relation to said rod's longitudinal axis, for the formation of a rail length whose cross section is accurately scaled to that of commercial rails, and simultaneously extruding the rod material to form integral projecting elements on the base of the rail to represent the projecting ends of wear plates.

2,356,696
MAN'S UNDERGARMENT
Arthur M. Reis, New York, N. Y., assignor to Robert Reis & Co., New York, N. Y., a corporation of New York
Application January 3, 1942, Serial No. 425,493
2 Claims. (Cl. 2—224)



1. An undergarment of the class described comprising a partially body encircling portion of ribbed knitted material, the lower edges of which are bent to extend upwardly above the crotch section and terminate in a horizontal seam line defining the upper edge of the crotch section, a central front section of like material secured by stitching to the edges of the body encircling portion disposed at the front of the garment, an insert of ribbed knitted material of substantially greater thickness than the body of the garment, and of substantially trapezoidal configuration secured to the lower edge of said central front section and to the bent upwardly extending edges of the body encircling portion at the front of the garment and extending from said lower edge of the central front section to said seam line defining the upper edge of the crotch section, said central front section and said insert of ribbed knitted material being connected by a second horizontal seam line, said body encircling portion having leg openings formed integrally therewith and of the same material, without any elastic tape therein, said body encircling portion being of a configuration such that the said first horizontal seam line connects the insert of ribbed knitted material to the upper edge of the crotch section, said garment including a strip underlying said central front section secured by stitching to the said opposite or second edge of the body encircling portion, said underlying strip extending only partly across and beneath the central front section and being secured to the horizontal seam line throughout only the half thereof adjacent said second edge of the body encircling portion, whereby the garment has imparted thereto the trim appearance of a side opening garment while providing the simplicity of access to the interior thereof, of a center opening garment.

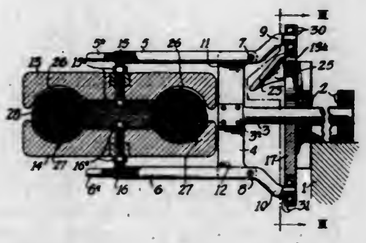
2,356,697
TREATING HYDROCARBON FLUIDS
George A. Rial, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 27, 1941, Serial No. 424,608
4 Claims. (Cl. 196—52)



1. A method for converting hydrocarbons which comprises mixing hydrocarbon vapors with hot regenerated catalyst particles in a fluidized condition, passing the mixture under the hydrostatic pressure of a column of fluidized regenerated catalyst particles into a reaction zone wherein it is maintained under conversion conditions, controlling the flow of reactants so as to maintain a dense fluidized catalyst phase in the reaction zone, withdrawing hot catalyst particles from the reaction zone, contacting the hot catalyst particles outside said reaction zone with a coke-forming relatively heavy hydrocarbon for a time sufficient to crack said heavy hydrocarbon and to increase the deposits of carbonaceous ma-

terials on the catalyst particles, fluidizing the spent catalyst particles, mixing the fluidized spent catalyst particles with an oxidizing regenerating gas, passing the mixture under the hydrostatic pressure of a column of fluidized spent catalyst particles into a regenerating zone wherein the carbonaceous materials are burned off the catalyst particles, controlling the flow of catalyst particles and regenerating gas so as to maintain a dense fluidized catalyst phase in the regenerating zone, withdrawing regenerated catalyst particles from the regenerating zone, and feeding hot regenerated catalyst particles into the top of said column of fluidized regenerated catalyst.

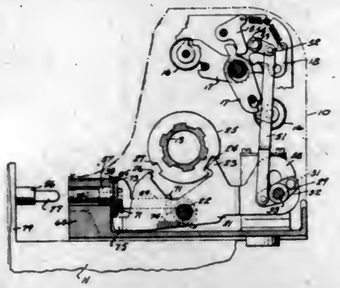
2,356,698
BUNDLE HANDLING MECHANISM FOR COILED MATERIAL
Joseph M. Roitz, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 31, 1942, Serial No. 464,096
9 Claims. (Cl. 214—1)



2. Mechanism for supporting articles and allowing their reversal while so supported, said mechanism including in combination a horizontal shaft, a support for said shaft, a bearing between said shaft and said support allowing the rotation of the shaft about its axis, one end of said shaft projecting a substantial distance from the bearing, a member affixed to the projecting end of the shaft and extending substantially transversely thereof, two article carrying arms pivoted intermediate their ends to the said transverse member on opposite sides of the shaft and having confronting article engaging portions at their forward ends whereby the article engaging portions thereof may approach and may be moved away from each other, and means cooperating with the rearwardly extending portions of th article holding arms to hold them in article engaging position while they are being rotated about the axis of said shaft.

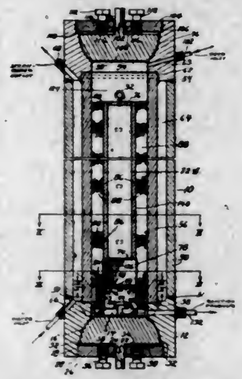
2,356,699
LOCKING DEVICE
Francis J. Rouan, Stamford, and Berthold Knauer, East Norwalk, Conn., assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application January 11, 1941, Serial No. 374,077
2 Claims. (Cl. 70—387)

1. In combination, a lock and key, the said key comprising a screw-shaped shank and being fixedly positioned, said lock having an opening therein which is movable over said key, and further having a rotatable locking member forming a part thereof, a movable member engaging the rotatable member to normally prevent rotation of said member, said movable member having one extension thereof extending within the lock in the path of the key and being displaceable from engagement with the rotatable member when the movable member engages the key shank dur-



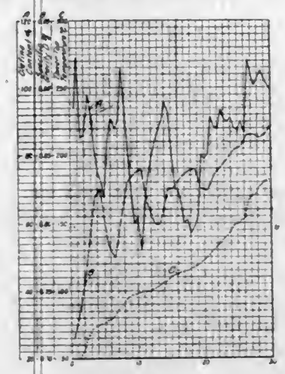
ing movement of the lock into operative relation with the key, said rotatable member also being rotated by the screw of said shank after the displacement of the movable member, thereby placing the lock in an unlocked position.

2,356,700
TREATING HYDROCARBON FLUIDS
Walter H. Rupp, Mountainside, and Clarke T. Harding, Hillside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application March 11, 1942, Serial No. 434,208
3 Claims. (Cl. 23—289)



1. An apparatus adapted for carrying out selective catalytic polymerization of olefins including an annular reaction chamber having an inlet and an outlet, a bottom locking device removably mounted in said reaction chamber, a central imperforate core member spaced from the wall of said reaction chamber and having a bottom perforate section supported by said locking device, the annular space between the wall of said chamber and said core member being adapted to hold catalyst granules as an annular shaped bed, flat horizontally extending spacer members between the wall of said reaction chamber and said core member for assisting in supporting the catalyst in said reaction chamber and a heat exchange chamber surrounding said reaction chamber and adapted for the circulation of a cooling medium therethrough to remove heat from the reaction chamber during the reaction.

2,356,701
METHOD OF AROMATIZING HYDROCARBONS
Robert F. Ruthruff, Nutley, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application April 23, 1938, Serial No. 203,886
3 Claims. (Cl. 260—668)



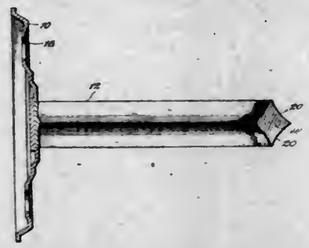
1. A method of producing hydrocarbons relatively free of olefins and having a high aromatic content which comprises cracking high boiling hydrocarbons in the presence of added normally gaseous hydrocarbons, thereby producing a naphtha fraction rich in aromatics and containing olefinic constituents largely in the form of cyclo-olefins of six or more carbon atoms, contacting said fraction with a dehydrogenation catalyst at a temperature between 850° to 1200° F. at sustantially atmospheric pressures thereby decreasing the olefinic content and increasing the aromatic content of the fraction, and catalytically hydrogenating the dehydrogenated product under as mild conditions as possible consistent with substantially complete hydrogenation of residual olefins.

2,356,702
PROCESS FOR THE PRODUCTION OF SYNTHETIC LINEAR CONDENSATION POLYAMIDES
Paul Schlack, Berlin-Treptow, Germany; vested in the Alien Property Custodian
No Drawing. Application July 31, 1940, Serial No. 348,683. In Germany May 11, 1939
1 Claim. (Cl. 260—78)

A process for the manufacture of high molecular linear polyamides which comprises heat condensing with splitting off of phenol and carbon dioxide one mol of octamethylene-bis-carbamic acid diphenyl ester with one mol of the dicarboxylic acid obtained by the saponification of the reaction product of heating one mol of glutaric acid dichloride with two mols of N-methyl aminocaproic acid ethylester hydrochloride.

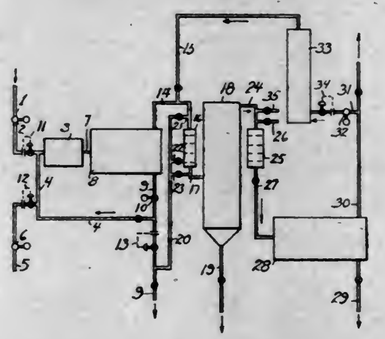
2,356,703
FIXTURE ELEMENT
Philip B. Shailer, Middlebury, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application April 30, 1943, Serial No. 485,188
8 Claims. (Cl. 211—105.1)

4. In a fixture, a towel bar having angularly-related longitudinally-extending faces, said longitudinally-extending faces of the towel bar being concave about axes parallel to and a substantial distance from the bar, and having relatively smooth mirror-like metallic reflecting surfaces, the angular relation and concavity of the reflecting surfaces cooperating to provide relatively



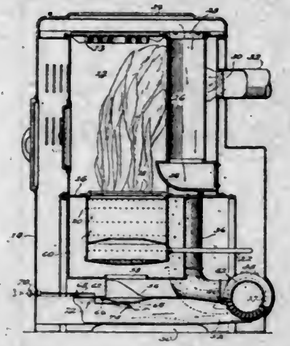
large diagonal dimensions notwithstanding the relatively small cross-sectional area of the bar, and to form "real images" in front of the surfaces to conceal imperfections and cloudiness of the surface and give a distinctive highlight effect thereby substantially to conceal imperfections and cloudiness of said surfaces.

2,356,704
REFINING OF MINERAL OILS
Albert J. Shmidl, Greens Bayou Park, and Mehemet Wiggen, Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 5, 1941, Serial No. 401,094
12 Claims. (Cl. 196—33)



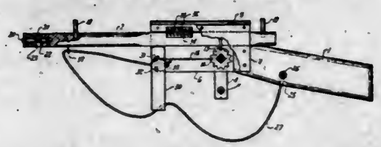
1. In a doctor sweetening process wherein mercaptan-bearing oil is treated with alkaline sodium plumbite solution and sulfur to convert the mercaptans to organic disulphides, the improvement which comprises in sequence the steps of intimately contacting one volume of the mercaptan-bearing oil with more than one-half volume of alkaline sodium plumbite reagent containing soluble lead in excess of 0.08 pound Pb per gallon to convert the mercaptans predominantly to basic lead mercaptides, separating the sodium plumbite reagent from the leaded oil, intimately mixing the leaded oil with a carefully controlled amount of sulfur slightly in excess of that theoretically required to precipitate lead sulfide and convert the lead mercaptides to organic disulfides, and separating the sweetened oil from the lead sulfide.

2,356,705
HEATER
Eugene G. Siegler and Raymond J. Siegler, Marion County, Ill.
Application October 20, 1941, Serial No. 415,692
4 Claims. (Cl. 126—110)



1. In a room heater, conduit means having an opening at one end positioned at the upper portion of said heater and an exhaust end positioned adjacent the lower end of said heater, said exhaust end being so arranged that air flowing therefrom will pass substantially horizontally across the floor of a room to be heated, a branch conduit means having an opening adjacent the lower end of said heater and being connected at its opposite end to an intermediate point of said conduit means, blower means positioned in said conduit means for drawing air through said conduit means and through the branch conduit means, and means for heating the air passing through the conduit means at a position between the opening at the upper end of said conduit means and the connection between the conduit means and the branch conduit means.

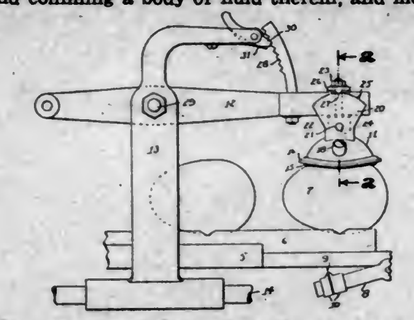
2,356,706
TOY GUN
Joseph A. Sigg, Pittsburgh, Pa.
Application December 11, 1943, Serial No. 513,903
14 Claims. (Cl. 46—192)



1. A toy gun comprising a stock and barrel the latter being mounted for sliding movement, a ratchet device, a pawl on the barrel for engaging the ratchet device and a hand crank for actuating said ratchet to subject the barrel to oscillating movement.

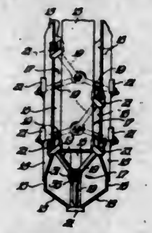
2,356,707
PRESSER HEAD FOR EGG OPENING MACHINES
Laurence M. Sigler, Washington, D. C., assignor of one-third to James C. Gill and one-third to Kathryn B. Gill, both of San Francisco, Calif.
Application March 23, 1943, Serial No. 480,253
6 Claims. (Cl. 146—2)

1. A presser head for egg opening machines comprising a fluid containing cup, a flexible resilient diaphragm closing the open end of said cup and confining a body of fluid therein, and mov-



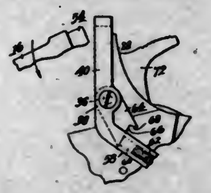
able means connected with said cup whereby it can be moved into contact with a positioned egg.

2,356,708
BUS CONSTRUCTION
Joseph J. Sileck, Chicago, Ill.
Application October 6, 1941, Serial No. 413,794
4 Claims. (Cl. 174—129)



1. An electrical bus structure comprising elongated strips forming conductor members disposed about a central axis in position forming the sides of a hollow tubular bus, the adjacent edges of adjacent conductor members being spaced to provide openings extending longitudinally of the bus, clamping means comprising clamp rods extending radially of said central axis, said rods having ends interconnected at said axis and each having a portion extending in a said opening between adjacent edges of a pair of conductor members, and a clamping shoe on each rod in position engaging the adjacent edges of the pair of conductor members between which the rod extends.

2,356,709
FLARE GUN
John R. Smith, Worcester, Mass., assignor to Harrington & Richardson Arms Company, Worcester, Mass., a corporation of Massachusetts
Application July 10, 1942, Serial No. 450,441
11 Claims. (Cl. 42—44)



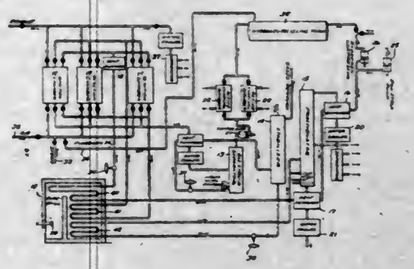
1. In a gun, a frame, a generally cylindrical barrel pivoted to said frame, a barrel catch mov-

ably mounted on said frame and shaped to fit the periphery of said barrel, said barrel catch engaging and latching the barrel in closed condition thereof, means for resiliently urging the barrel catch to its latching position, means for pivoting said barrel catch out of engagement with said barrel to release it, and a single element providing a separate stop means for each of the latching and releasing positions of said catch.

2,356,710
2-MERCAPTO DIHYDRO PYRIMIDINE DERIVATIVES
Charles H. Stiteler, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 22, 1941
Serial No. 416,096
1 Claim. (Cl. 260—251)

A member of the class consisting of the sulfuric acid conversion product of an alkyl-substituted-2-mercapto dihydro pyrimidine, and its metal salts, said conversion product being formed by reacting an alkyl-substituted-2-mercapto dihydro pyrimidine with concentrated sulfuric acid at a temperature of from about 20° C.–40° C., the reaction being characterized by the evolution of a substantial amount of sulfur dioxide, warming the reaction mixture until evolution of sulfur dioxide has ceased, and separating the resulting reaction product, the metal salt having a sulfur content intermediate between that calculated for the salt of the sulphonic acid and the half ester of the sulfuric acid.

2,356,711
TREATMENT OF HYDROCARBONS
Antoni Szayna, New York, N. Y., assignor to Albert Chester Travis, New York, N. Y.
Application January 9, 1942, Serial No. 426,115
9 Claims. (Cl. 196—62)



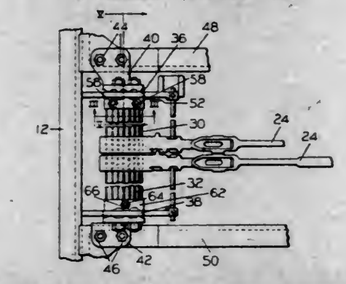
1. A process for treating hydrocarbon distillates with production of gasoline, which comprises subjecting an oil to thermal cracking at high pressure in the presence of a substantial excess of hydrogen beyond that which reacts with the oil, whereby to suppress objectionable formation of polymers during the cracking, expanding the resulting vapors and hydrogen to a lower pressure and subjecting them at lower temperature to a catalytic treatment on a hydrogenation - dehydrogenation catalyst which does not catalyze the decomposition of oil into carbon and hydrogen at said temperature, and regulating the conditions of such treatment to favor dehydrogenation of saturated hydrocarbons and at the same time to favor hydrogenation of unstable gum-forming hydrocarbons.

2,356,712
GAFF HOOK
Joseph D. Tessier, Worcester, Mass.
Application May 17, 1943, Serial No. 487,220
5 Claims. (Cl. 43—37)



1. A gaff fish hook comprising a frame, a bait hook having a shank slidable on the frame, means to restrain the motion of the bait hook relative to the frame to a rectilinear direction, an open cam inclined relative to the bait hook shank, and a gaff hook pivoted to the frame and passing through the cam, the cam being of a shape to prevent twisting of the gaff hook relative to the bait hook.

2,356,713
SHEDDING MECHANISM
James M. Tuten, Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application January 20, 1944, Serial No. 518,987
6 Claims. (Cl. 139—79)

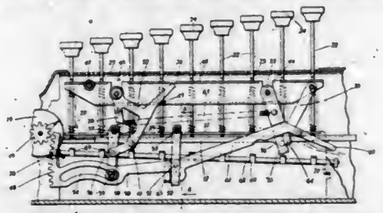


1. In a loom, a harness frame, a harness treadle connected with said frame for operating the latter, a cam for operating the treadle, a gear member forming an adjustable fulcrum for the treadle and having gear teeth meshing with rack teeth on said treadle, means for adjustably supporting said gear member, and manually operated locking means on said supporting means engaging teeth on said gear member and locking said gear member in adjusted position.

2,356,714
CALCULATING MACHINE
Christopher Frederick Webb, Uxbridge, England, assignor to Bell Punch Company Limited, London, England, a British company
Application May 24, 1939, Serial No. 275,375
In Great Britain May 28, 1938
12 Claims. (Cl. 235—82)

1. In a calculating machine, a pinion to which variable additive movements are imparted in the

operation of the machine, a movable rack member normally out of engagement with said pinion, a plurality of keys, means actuable by the keys to effect variable movements of said rack while out of engagement with said pinion dependent upon the key which may be operated, and means for effecting driving engagement of the rack with the pinion simultaneously with the completion of



such variable movements of the rack and for maintaining such engagement while the rack is returning to its initial position, said means for effecting driving engagement of the rack with the pinion comprising a lever to which said rack is pivoted and means for swinging said lever to move the rack bodily and mesh it with the pinion at the end of said variable movement of the rack.

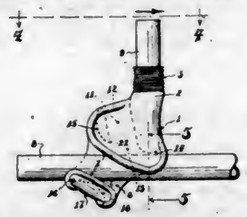
2,356,715
LEASH HARNESS
Richard C. Webster, Baltimore, Md., assignor of one-half to Walter A. Parth, New Canaan, Conn.
Application September 17, 1942, Serial No. 458,748
2 Claims. (Cl. 119—109)



1. An improvement in leash harness comprising a belt passing around the body of the attendant, a dog strap or leash connected to said belt and passing through the dog collar, and a latch carried on the front of said belt, said latch comprising a socket and a flat spring catch, said spring catch having a reversely turned portion extending across the front of the latch, adapted to operate by pressure involuntarily applied by the falling of the attendant to separate the belt and release the dog.

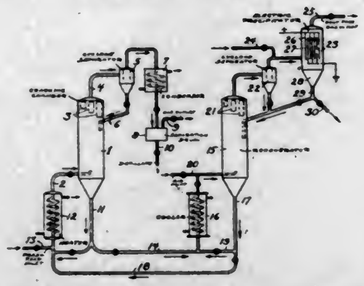
2,356,716
PIPE-BENDING TOOL
Edwin Frederick Wheeler, Baltimore, Md.
Application February 8, 1941, Serial No. 378,087
6 Claims. (Cl. 81—15)

1. In a pipe bending tool, comprising a body and a solid shank extending therefrom, the shank being provided with handle attaching means thereon, said tool including bending means within the said body consisting of curved upper and lower concave smooth walled bending jaws having portions which are V-shaped and other portions which are U-shaped in cross section from end to end of each said jaw, said jaws longitudinally forming a continuous changing convex bending fulcrum from end to end of



each said jaw, and an opening in one side of the said body of sufficient width to receive the pipe to be bent and communicating with the said upper and lower jaws, said opening coacting with the said bending means to function and create bends at any point or points along the entire length of the pipe to be bent.

2,356,717
RECOVERY OF FINELY DIVIDED SOLID MATERIALS
Robert W. Williams, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 15, 1942, Serial No. 469,111
8 Claims. (Cl. 23—1)



7. An improved process for carrying out catalytic reactions with suspended solid catalyst particles in the vapor phase which comprises adding catalyst, capable of yielding ammonia under heating, to the vapor undergoing reaction, passing the suspended catalyst through the reaction zone and thereafter subjecting the suspension to electrostatic action so as to separate the solid particles from the vapors.

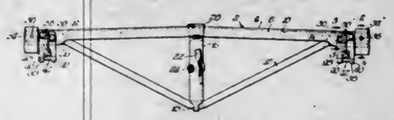
2,356,718
CATIONIC AMINOTRIAZINE-ALDEHYDE RESIN SOLUTIONS
Henry P. Wohnsiedler, Darien, and Walter M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 25, 1943, Serial No. 507,626
3 Claims. (Cl. 260—29)

1. A colloidal aqueous solution of a partially polymerized positively charged guanamine-formaldehyde condensation product having a pH value within the range of about 0.5 to about 3.5, said condensation product containing about 2–4 mols of combined formaldehyde for each mol of guanamine and having a degree of polymerization less than that which characterizes gels and precipitates which are undispersible by agitation with water but sufficient to bring the particles thereof within the colloidal range, said condensation product having a definite positive electrical charge as shown by its migration toward the cathode upon electrophoresis of the solution.

2,356,719
CATIONIC AMINOTRIAZINE-ALDEHYDE RESIN SOLUTIONS
Henry P. Wohnsiedler, Darien, and Walter M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 25, 1943, Serial No. 507,627
2 Claims. (Cl. 260—29)

1. A colloidal aqueous solution of a partially polymerized positively charged ammeline-formaldehyde condensation product having a pH value within the range of about 0.5 to about 3.5, said condensation product containing about 2–4 mols of combined formaldehyde for each mol of ammeline and having a degree of polymerization less than that which characterizes gels and precipitates which are undispersible by agitation with water but sufficient to bring the particles thereof within the colloidal range, said condensation product having a definite positive electrical charge as shown by its migration toward the cathode upon electrophoresis of the solution.

2,356,720
BRAKE BEAM
Ray G. Aurien, Chicago, Ill., and Loren L. Whitney, Hammond, Ind., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey.
Application January 30, 1942, Serial No. 428,812
8 Claims. (Cl. 188—222)

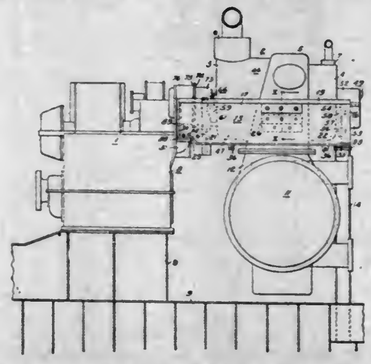


1. In a brake beam, a compression member comprising relatively narrow end portions of U section, each of said end portions having top and bottom flanges and a rear web with a horizontal slot therein, a tension member having extremities received between said flanges in abutment with the adjacent webs, welding means in said slots securing said tension and compression members, and brake heads fixed on the ends of said beam, said tension member extremities extending outwardly of said head beyond said compression member for connection to associated support means.

2,356,721
TURBINE SUPPORT
John R. Hagemann, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 5, 1941, Serial No. 401,213
33 Claims. (Cl. 60—95)

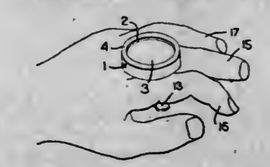
1. A turbine unit comprising a plurality of spaced, substantially rigid supports, a plurality of spaced resilient supports, and a turbine having opposite end portions supported by said resilient supports and having portions of its sides intermediate its said ends fixedly connected with and supported by said rigid supports.

25. In combination, a cradle structure including a pair of spaced and substantially rigid side beams, a turbine having an exhaust portion intermediate its ends adapted for direct connection



with an associated condenser, said turbine having opposite sides of its exhaust portion fixedly and supportedly connected with said side beams, means including said cradle mounting opposite end portions of said turbine for longitudinal movement relative to its said exhaust portion and relative to said side beams, and a condenser rigidly connected to and supported by said exhaust portion.

2,356,722
HAND-SUPPORTED LIQUID DISPENSING PAD
Carl C. Harris, Orange, Mass., assignor to Rivet-O Manufacturing Co., Orange, Mass., a corporation of Massachusetts
Application April 9, 1943, Serial No. 482,459
11 Claims. (Cl. 91—54.4)

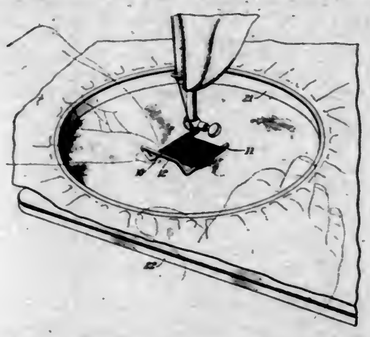


1. A liquid retaining and dispensing device adapted to be worn upon the hand comprising a rigid receptacle, containing a liquid absorbent material and presenting a liquid dispensing surface, having a base adapted to be mounted upon an intermediate finger of the hand, rigid retaining members extending oppositely therefrom between and partially around and effectively engaging fingers respectively adjacent to said intermediate finger.

2,356,723
DARNING DEVICE FOR USE WITH SEWING MACHINES
William Hofgesang, Avenel, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 11, 1941, Serial No. 422,505
5 Claims. (Cl. 112—121)

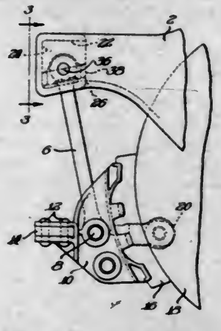
1. An attachment for sewing machines comprising, in combination, an apertured disk at-

tachable to the balance-wheel of a sewing machine, a thread-holder having spaced arms which



are received in said apertured disk, and means for locking the arms in the disk.

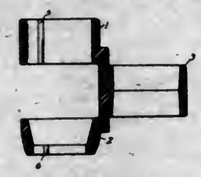
2,356,724
BRAKE HANGER
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 1, 1941, Serial No. 417,465
12 Claims. (Cl. 188—209)



1. In a vehicle, a frame member having a bracket, a supporting wheel, said bracket having a bottom wall with a diagonally arranged top surface, a vertical web spaced from said wall, a wear plate seated on said wall with upstanding members having openings aligned with a slot in said web, a securing pin in said openings, a brake hanger hung from said pin and supporting a brake head and brake shoe for engagement with the periphery of said wheel, said hanger normally projecting approximately at right angles to said surface when said shoe is in abutment with said wheel, and spaced resilient means between said plate and said wall.

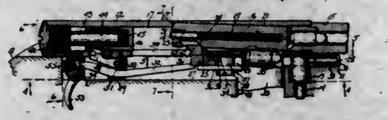
2,356,725
AMMUNITION BELT FOR MACHINE GUNS
Clem G. Trimbach, Eggertsville, N. Y., assignor to Erie Resistor Corporation, Erie, Pa., a corporation of Pennsylvania
Application June 26, 1942, Serial No. 448,611
4 Claims. (Cl. 89—35)

1. In a link for ammunition belts for machine guns comprising cartridge receiving rings in axial alignment and spaced apart axially, and a tubular connecting ring offset from and joining the cartridge receiving rings and providing a con-



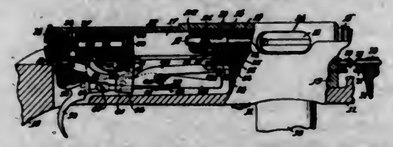
necting means to a similar succeeding link, the inner surface of said connecting ring being flared axially and outwardly.

2,356,726
FIREARM
Eugene G. Reising, Hartford, Conn.
Application June 28, 1940, Serial No. 342,979
7 Claims. (Cl. 42—3)



4. A firearm comprising a stock, a receiver, a breech bolt chamber in the receiver, a recess in a wall of the receiver, said recess having a cam surface, a reciprocable breech bolt in the chamber adapted to be received in part in the recess in breech closed condition of the firearm, a lug depending from the receiver, an action bar guide, an action bar guided for sliding movement by said guide, means connecting the action bar and the bolt, said last named means including camming surfaces for moving the bolt into the recess in the chamber and into engagement with the cam surface, resilient means for sliding the action bar and connected bolt to breech closed condition of the bolt in the recess whereby the bolt is yieldingly held against rearward movement, and interengaging means on the lug and action bar independent of the action bar guide for supporting the latter in breech closed condition of the firearm.

2,356,727
FIREARM
Eugene G. Reising, Hartford, Conn.
Application February 7, 1941, Serial No. 377,867
6 Claims (Cl. 42—3)



1. A firearm having a support, a receiver mounted on said support, a breech bolt chamber in said receiver, firing mechanism including a hammer, a sear for latching the hammer, a reciprocable breech bolt in said chamber, and a firing pin in said breech bolt for engagement by the hammer upon release of the latter by the sear, an action bar engaging said breech bolt, spring means urging said action bar forwardly, a connector pivoted on said sear, a connector spring urging said connector toward said action bar, interengaging means on said action bar and said connector, said interengaging means being adapted to connect said bar and connector on the forward stroke of the former and to disconnect them on the rearward stroke, a barrel on said receiver, a spring-pressed trigger normally engaging said connector and holding it disengaged from said action bar against the action of the connector spring.

2,356,728
FLASH HIDER
Eugene G. Reising, Hartford, Conn.
Application July 16, 1942, Serial No. 451,163
4 Claims. (Cl. 89—14)

1. A flash hider for firearms comprising a hollow tube adapted to be secured to a firearm at one end, a cap secured to the other end of the tube and extending a short way thereinto, a baffle element abutting said cap and having a short flange fitting the interior of said tube and extending away from said cap, a second baffle element similar to said first named baffle element and positioned in said tube with its flange abutting the flange of the first named baffle element,

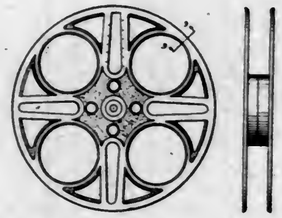


a spacer sleeve fitting the interior of said tube and having an end abutting the second named baffle element, said spacer being longer than the combined widths of said cap and said flanges, and a third baffle abutting the other end of said spacer.

DESIGNS

AUGUST 22, 1944

138,559
DESIGN FOR A MOVING PICTURE FILM REEL
Jacob M. Goldberg, Denver, Colo.
Application May 16, 1944, Serial No. 113,602
Term of patent 14 years
(Cl. D61—1)



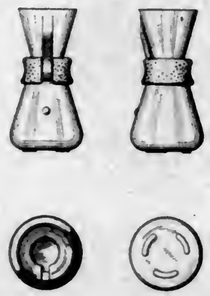
The ornamental design for a moving picture film reel, as shown.

138,560
DESIGN FOR A COMBINED PAPER WEIGHT AND PHOTOGRAPH MOUNT
James A. Morehead, Huntington, W. Va., assignor to Sinclair Glass Company, Ceredo, W. Va., a corporation of West Virginia
Application November 18, 1943, Serial No. 111,719
Term of patent 7 years
(Cl. D74—12)



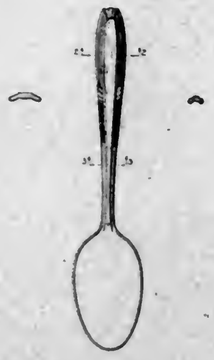
The ornamental design for a combined paper weight and photograph mount, substantially as shown and described.

138,561
DESIGN FOR A COFFEE MAKER OR THE LIKE
Peter Schlumbohm, New York, N. Y., assignor to Chemex Corporation, New York, N. Y., a corporation of New York
Application March 10, 1944, Serial No. 112,861
Term of patent 14 years
(Cl. D44—26)



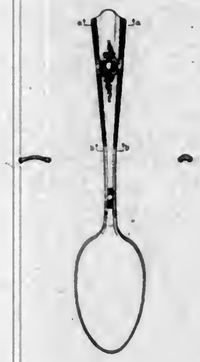
The ornamental design for a coffee maker or the like, as shown.

138,562
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application June 26, 1944, Serial No. 114,200
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or other article of flatware, as shown.

138,563
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application June 26, 1944, Serial No. 114,201
Term of patent 14 years
(Cl. D54—12)



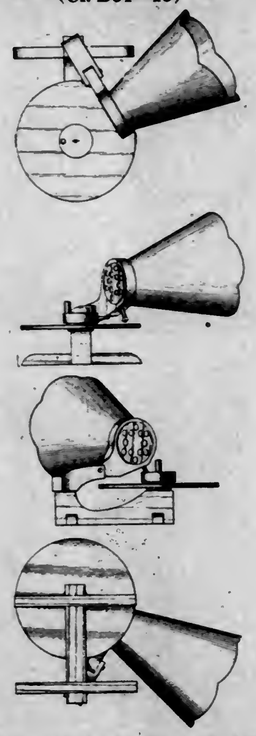
The ornamental design for a spoon or other article of flatware, as shown.

138,564
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application June 26, 1944, Serial No. 114,202
Term of patent 14 years
(Cl. D54—12)



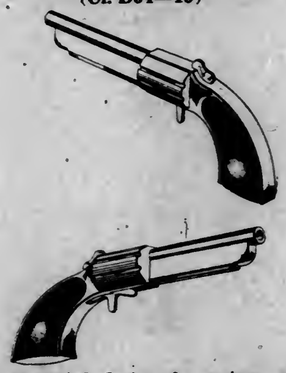
The ornamental design for a spoon or other article of flatware, as shown.

138,565
DESIGN FOR A TOY PHONOGRAPH
James E. Adair, Chicago, Ill., assignor to Colorgraphic, Inc., a corporation of Indiana
Application May 17, 1944, Serial No. 113,623
Term of patent 14 years
(Cl. D34—15)



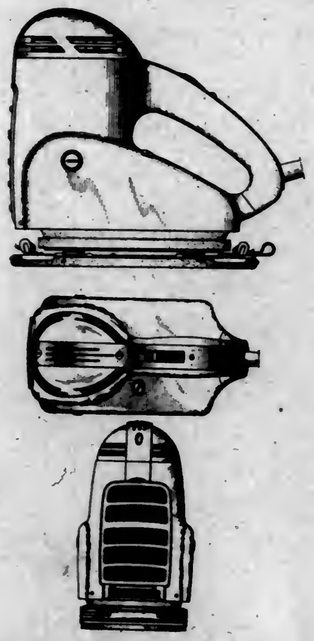
The ornamental design for a toy phonograph, as shown.

138,566
DESIGN FOR A TOY REVOLVER
Carl F. Bollmeier, Milwaukee, Wis.
Application May 4, 1944, Serial No. 113,474
Term of patent 3½ years
(Cl. D34—15)



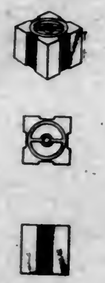
The ornamental design for a toy revolver, as shown.

138,567
DESIGN FOR AN ELECTRIC SANDING MACHINE OR THE LIKE
Stephen A. Crosby, Chicago, Ill., assignor to Sterling Tool Products Company, a corporation of Illinois
Application September 29, 1943, Serial No. 111,233
Term of patent 14 years
(Cl. D37—1)



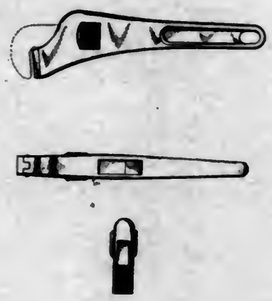
The ornamental design for an electric sanding machine or the like, as shown.

138,568
DESIGN FOR A CONDIMENT DISPENSER, OR SIMILAR ARTICLE
Max L. Goldbert, New York, N. Y.
Application November 13, 1943, Serial No. 111,674
Term of patent 14 years
(Cl. D44—22)



The ornamental design for a condiment dispenser or similar article, as shown.

138,569
DESIGN FOR A WRENCH
Worth B. Graham, Newark, N. J.
Application December 6, 1943, Serial No. 111,920
Term of patent 14 years
(Cl. D54—16)



The ornamental design for a wrench, as shown and described

138,570
DESIGN FOR A UNIVERSAL COMBAT KNIFE
Taylor E. Huff, Fort Knox, Ky.
Application February 28, 1944, Serial No. 112,742
Term of patent 7 years
(Cl. D22—3)



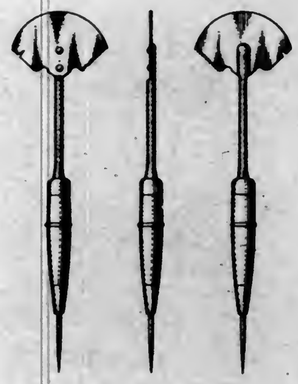
The ornamental design for a universal combat knife, as shown.

138,571
DESIGN FOR A SCABBARD FOR A UNIVERSAL COMBAT KNIFE
Taylor E. Huff, Fort Knox, Ky.
Application February 28, 1944, Serial No. 112,743
Term of patent 7 years
(Cl. D22—6)



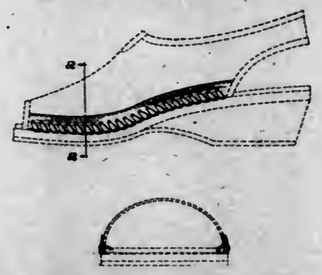
The ornamental design for a scabbard for a universal combat knife, as shown.

138,572
DESIGN FOR A TIRE SERVICING TOOL
Joseph B. Jarrell, Prosser, Wash.
Application May 1, 1944, Serial No. 113,420
Term of patent 14 years
(Cl. D54—13)



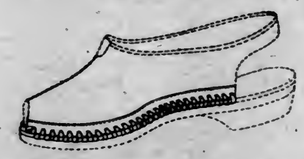
The ornamental design for a tire servicing tool, as shown.

138,573
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Samuel L. Kleven, Augusta, Maine
Application December 31, 1943, Serial No. 112,137
Term of patent 14 years
(Cl. D7—7)



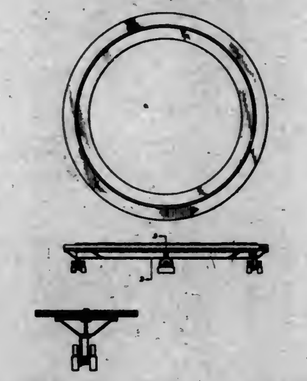
The ornamental design for a shoe or similar article, substantially as shown and described.

138,574
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Samuel L. Kleven, Augusta, Maine
Application May 12, 1944, Serial No. 113,569
Term of patent 14 years
(Cl. D7—7)



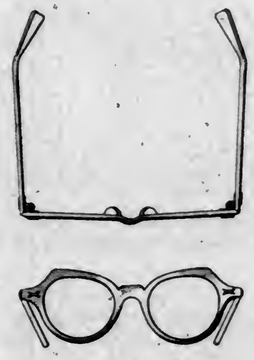
The ornamental design for a shoe or similar article, substantially as shown and described.

138,575
DESIGN FOR A POTTERY MOLD CASTER'S BENCH
Lewis P. Reese, Scio, Ohio
Application September 14, 1943, Serial No. 111,125
Term of patent 14 years
(Cl. D55—1)



The ornamental design for a pottery mold caster's bench, substantially as shown and described.

138,576
DESIGN FOR AN OPTICAL FRAME
Edward Salvage, New York, N. Y.
Application June 10, 1944, Serial No. 113,953
Term of patent 7 years
(Cl. D57—1)



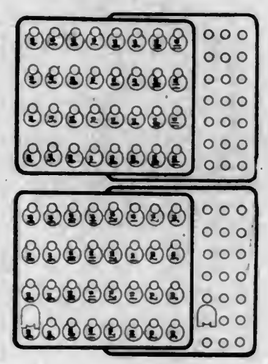
The ornamental design for an optical frame, substantially as shown.

138,577
DESIGN FOR A TIEBACK OR SIMILAR ARTICLE
Harry Tashman, New York, N. Y.
Application May 25, 1944, Serial No. 113,753
Term of patent 7 years
(Cl. D21—1)



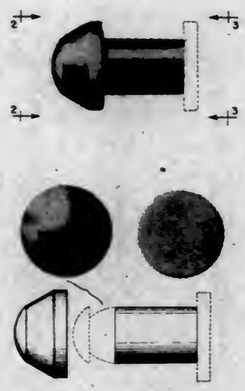
The ornamental design for a tieback or similar article, substantially as shown.

138,578
DESIGN FOR A RADIO REMINDER
Samuel A. de Waltoff, Los Angeles, Calif., assignor of one-third to Henry K. King and one-third to David A. Bernstein, both of Los Angeles, Calif.
Application May 23, 1944, Serial No. 113,720
Term of patent 7 years
(Cl. D42—1)



The ornamental design for a radio reminder, as shown and described.

138,579
DESIGN FOR A COMBINED RIVET AND COLLAR
George S. Wing, Hermosa Beach, Calif.
Application August 20, 1943, Serial No. 110,968
Term of patent 14 years
(Cl. D54—9)



The ornamental design for a combined rivet and collar, substantially as shown and described.

138,580
DESIGN FOR A LACE TABLECLOTH
Frederick George Hobden, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 10, 1944, Serial No. 113,543
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

138,581
DESIGN FOR A LACE TABLECLOTH
Frederick George Hobden, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 10, 1944, Serial No. 113,545
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

138,582
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 10, 1944, Serial No. 113,546
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

138,583
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 10, 1944, Serial No. 113,547
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

138,584
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 10, 1944, Serial No. 113,549
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

138,585
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 10, 1944, Serial No. 113,550
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

138,586
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 13, 1944, Serial No. 113,584
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

138,587
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application May 13, 1944, Serial No. 113,585
Term of patent 7 years
(Cl. D92—26)



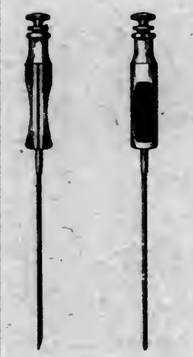
The ornamental design for a lace tablecloth, substantially as shown and described.

138,588
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application July 19, 1944, Serial No. 114,454
Term of patent 3½ years
(Cl. D3—26)



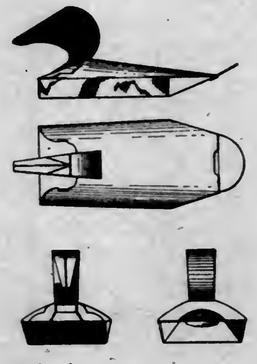
The ornamental design for a dress, substantially as shown.

138,589
DESIGN FOR A SPINAL PUNCTURE NEEDLE
Julius Brandenburg, New York, N. Y., assignor to Brandenburg Instrument Co., Inc., a corporation of New York
Application June 10, 1944, Serial No. 113,939
Term of patent 7 years
(Cl. D83—1)



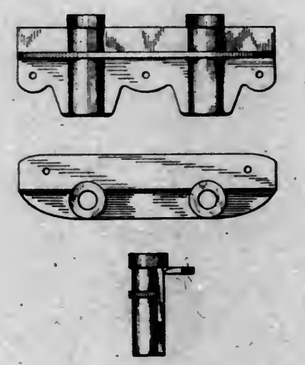
The ornamental design for a spinal puncture needle, substantially as shown.

138,590
DESIGN FOR A FLOATING DECOY OR LIKE FIGURE
James F. Buffenbarger, Middletown, Ohio, assignor to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application December 18, 1943, Serial No. 112,026
Term of patent 14 years
(Cl. D31—1)



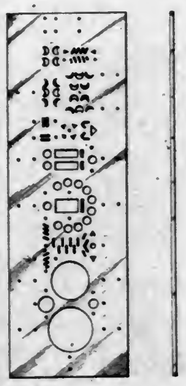
The ornamental design for a floating decoy or like figure, substantially as shown.

138,591
DESIGN FOR AN OARLOCK SOCKET
Ralph E. Curry, Flint, Mich.
Application May 23, 1944, Serial No. 113,719
Term of patent 7 years
(Cl. D71—1)



The ornamental design for an oarlock socket, as shown.

138,592
DESIGN FOR AN ELECTRON SYMBOLS STENCIL
George T. Gillette, Garden City, N. Y.
Application May 29, 1944, Serial No. 113,803
Term of patent 7 years
(Cl. D52—1)



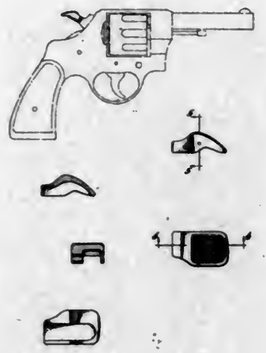
The ornamental design for an electron symbols stencil, as shown.

138,593
DESIGN FOR A BOTTLE WARMER
John H. Gulick, Garfield Heights, Ohio
Application March 11, 1944, Serial No. 112,862
Term of patent 14 years
(Cl. D83—8)



The ornamental design for a bottle warmer, as shown and described.

138,594
DESIGN FOR AN OFFSET HAMMER SPUR FOR A PISTOL OR SIMILAR ARTICLE
Joe F. Jack, Arcadia, Calif.
Application June 12, 1944, Serial No. 113,966
Term of patent 7 years
(Cl. D30—1)



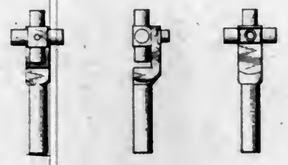
The ornamental design for an offset hammer spur for a pistol or similar article, as shown and described.

138,595
DESIGN FOR AN OFFSET HAMMER SPUR FOR A PISTOL OR SIMILAR ARTICLE
Joe F. Jack, Arcadia, Calif.
Application June 12, 1944, Serial No. 113,967
Term of patent 7 years
(Cl. D30—1)



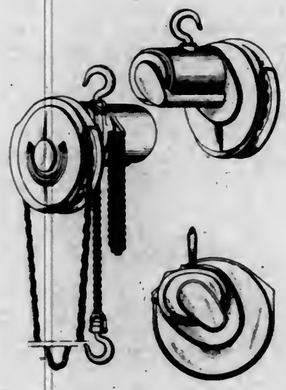
The ornamental design for an offset hammer spur for a pistol or similar article, as shown and described.

138,596
DESIGN FOR A DIAMOND DRESSING TOOLHOLDER
Jerry Krandall, Detroit, Mich., assignor to Abrasive Dressing Tool Company, Detroit, Mich., a partnership of Michigan
Application May 11, 1944, Serial No. 113,553
Term of patent 7 years
(Cl. D37—1)



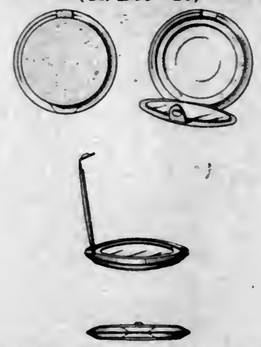
The ornamental design for a diamond dressing toolholder, substantially as shown.

138,597
DESIGN FOR A PULL CHAIN HOIST
John McLeod Little, Toledo, Ohio, assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application October 14, 1943, Serial No. 111,352
Term of patent 14 years
(Cl. D41—1)



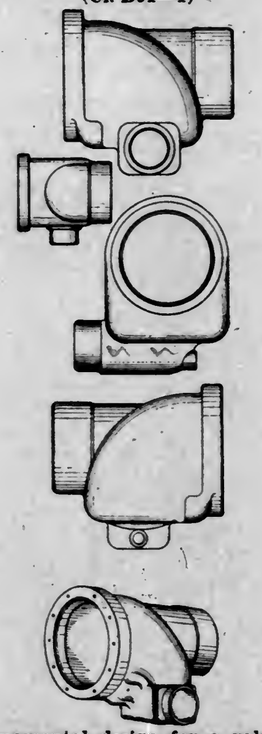
The ornamental design for a pull chain hoist, substantially as shown.

138,598
DESIGN FOR A COMPACT OR SIMILAR ARTICLE
Harry Morris, Chicago, Ill.
Application May 4, 1944, Serial No. 113,455
Term of patent 14 years
(Cl. D86—10)



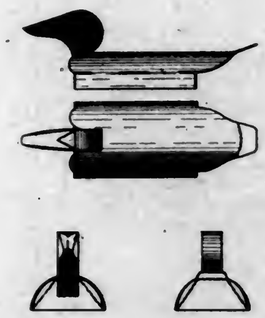
The ornamental design for a compact or similar article, substantially as shown and described.

138,599
DESIGN FOR A VALVE FOR MUD PUMP LINES
Philip M. Rea, Oklahoma City, Okla.
Application July 9, 1943, Serial No. 110,806
Term of patent 14 years
(Cl. D91—1)



The ornamental design for a valve for mud pump lines, as shown.

138,600
DESIGN FOR A FLOATING DECOY OR LIKE FIGURE
William A. Ringler, Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application December 18, 1943, Serial No. 112,025
Term of patent 14 years
(Cl. D31—1)



The ornamental design for a floating decoy or like figure, substantially as shown.

138,601
DESIGN FOR AN ELECTRON DISCHARGE DEVICE
Charles V. Litton, Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application July 9, 1943, Serial No. 110,635
Term of patent 14 years
(Cl. D26—8)



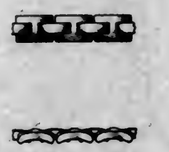
The ornamental design for an electron discharge device, as shown and described.

138,602
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE OF MANUFACTURE
Judith McCullough Graydon Merralls, West Los Angeles, Calif., assignor to Carlos E. P. Guerra, Hollywood, Calif.
Application June 8, 1944, Serial No. 113,920
Term of patent 7 years
(Cl. D58—6)



The ornamental design for bottle or similar article of manufacture, as shown.

138,603
DESIGN FOR A LINK CHAIN FOR A BRACELET OR THE LIKE
George Schmidt, Los Angeles, Calif.
Application December 1, 1943, Serial No. 111,841
Term of patent 14 years
(Cl. D45—4)



The ornamental design for a link chain for a bracelet, or the like, as shown.

138,604
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
George A. Stevens, Highlands, N. J., assignor to Sperti, Inc., Norwood, Ohio, a corporation of Ohio
Application April 26, 1944, Serial No. 113,376
Term of patent 7 years
(Cl. D58—8)



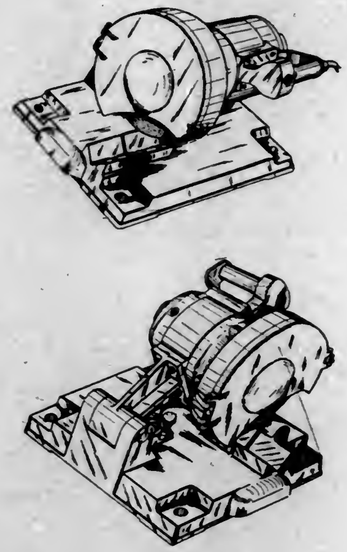
The ornamental design for a bottle or similar article, as shown.

138,605
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 9, 1944, Serial No. 113,928
Term of patent 3½ years
(Cl. D45—19)



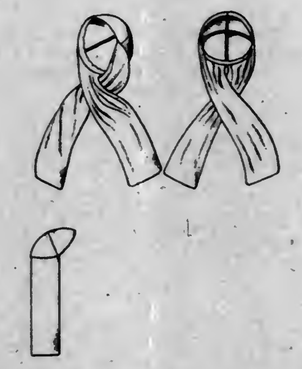
The ornamental design for a brooch or similar article, substantially as shown.

138,606
DESIGN FOR A CUTTING MACHINE
William A. Phillis, Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application June 14, 1944, Serial No. 114,005
Term of patent 14 years
(Cl. D37—1)



The ornamental design for a cutting machine, substantially as shown.

138,607
DESIGN FOR A HAT OR SIMILAR ARTICLE
Jacob Schoer, Brooklyn, N. Y.
Application December 28, 1943, Serial No. 112,107
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a hat or similar article, substantially as shown and described.

138,608
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 24, 1944, Serial No. 114,528
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,609
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 24, 1944, Serial No. 114,529
Term of patent 3½ years
(Cl. D3—26)



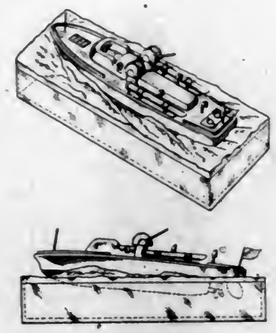
The ornamental design for a dress, substantially as shown.

138,610
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 24, 1944, Serial No. 114,530
Term of patent 3½ years
(Cl. D3—26)



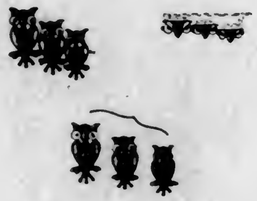
The ornamental design for a dress, substantially as shown.

138,611
DESIGN FOR A BOX
Samuel Orkin, Los Angeles, Calif., assignor to Harvey Machine Co., Inc., Los Angeles, Calif., a corporation of California
Application April 4, 1944, Serial No. 113,137
Term of patent 14 years
(Cl. D58—11)



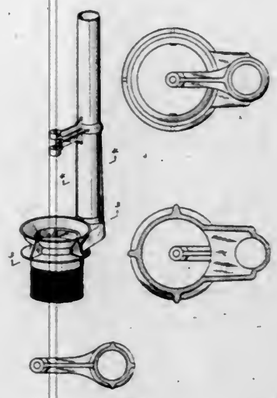
The ornamental design for a box, as shown.

138,612
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 9, 1944, Serial No. 113,929
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

138,613
DESIGN FOR A COMBINED VALVE SEAT AND OVERFLOW PIPE
Wilbert H. Patten, Trenton, N. J.
Application November 18, 1943, Serial No. 111,728
Term of patent 7 years
(Cl. D91—1)



The ornamental design for a combined valve seat and overflow pipe, substantially as shown.

138,614
DESIGN FOR A FURNACE
Eric H. Ryden, Bedford, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 16, 1943, Serial No. 109,980
Term of patent 14 years
(Cl. D81—2)



The ornamental design for a furnace, as shown and described.

138,615
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 17, 1944, Serial No. 114,422
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,616
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 24, 1944, Serial No. 114,531
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,617
DESIGN FOR A BELT OR SIMILAR ARTICLE
Malvina Lichtenstein, Bronx, N. Y.
Application March 30, 1944, Serial No. 113,084
Term of patent 14 years
(Cl. D3—10)



The ornamental design for a belt or similar article, as shown and described.

138,618
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application July 24, 1944, Serial No. 114,526
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,356,729 to 2,357,281

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August 29, 1944

Trade-Marks	217	No. 408,685 to No. 408,901, inclusive
T. M. Renewals	81	
Reissues	3	No. 22,536 to No. 22,538, inclusive.
Patents	553	No. 2,356,729 to No. 2,357,281, inclusive.
Designs	70	No. 138,619 to No. 138,688, inclusive.
Total	924	

Transfer of Subclasses

ORDER No. 3,845

U. S. PATENT OFFICE, *Richmond, Va., Aug. 14, 1944.*

The following transfer to take effect August 14, 1944, is hereby ordered:

Subclasses 709 to 773, inclusive, of class 260, from Division 50 to Division 38.

CONWAY P. COE,
Commissioner.

Disclaimer

1,900,629.—*Robert P. Wuerfel*, Ann Arbor, Mich. RADIO CIRCUITS. Patent dated March 7, 1933. Disclaimer filed August 8, 1944, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claims 1 to 8 inclusive, in said specification.

Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Aug. 11, 1944.*

Fred John Day, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Taxin's Frosted Food Co., 2523 North Broad St., Philadelphia, Pa., to effect the cancellation of trade-mark registration of Fred John Day, 654 Mill St., Los Angeles, Calif., No. 250,765, dated December 18, 1928, and the notice of such proceeding sent by registered mail to the said Fred John Day at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Fred John Day, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,225,365, U. B. Bray, Lubricant, decided June 10, 1944, claim 17.

Pat. 2,225,366, U. B. Bray, Lubricant, decided June 10, 1944, claims 29, 35, and 36.

Pat. 2,286,850, N. E. V. Graham, Fastening device for garments, decided August 4, 1944, claims 1, 5, 6, and 7.

Adjudicated Patents

(C. C. A. Del.) Davis patent, No. 1,609,273, for pneumatic control and safety device for pressing machines, claim 9 *Held* not infringed. *Prosperity Co.* v. *American Machine & Metals*, 142 F.(2d) 800.

(C. C. A. Ohio.) Austin patent, No. 1,705,700, for control apparatus, claim 1 *Held* invalid and not infringed. *Westinghouse Electric & Manufacturing Co.* v. *Powerlite Switchboard Co.*, 142 F.(2d) 965.

(C. C. A. Ohio.) Jennings reissue patent, No. 19,887, for panel circuit breaker, *Held* invalid and not infringed. *Id.*

Condition of Applications Under Examination at Close of Business August 12, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 49,220; Trade-Mark Division, 1,600. Oldest new case, Sept. 10, 1943; oldest amended, Aug. 19, 1943.)
(The dates given are 1944 except where † indicates 1943)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders: Baths, Closets, Sinks, and Spittoons; Sewerage.	Feb. 17	Apr. 3	487
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Jan. 18	Jan. 31	620
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	†Dec. 27	†Dec. 24	1,033
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Mar. 20	Jan. 14	563
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	†Oct. 23	†Oct. 15	1,283
6. GENIESSE, E. W., Carbon Chemistry (part)	Jan. 22	Feb. 2	1,157
7. JARBOE, C. G., Optics, Photography	Apr. 3	Apr. 5	731
8. ADAMS, F. L., Furniture; Kitchen and Table Articles; Racks and Cabinets	Feb. 26	Feb. 28	598
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Feb. 21	Jan. 27	730
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Apr. 14	Apr. 24	274
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	†Oct. 23	†Oct. 26	1,126
13. DONNELLY, A. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Feb. 25	Mar. 3	588
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Mar. 11	Feb. 29	709
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	Mar. 6	Mar. 9	698
16. SPENCER, C. J., Telegraphy; Telephony	Feb. 25	Feb. 25	597
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Dec. 4	†Nov. 20	565
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	†Oct. 7	†Oct. 7	904
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Feb. 3	Feb. 10	611
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Mar. 22	Apr. 3	417
21. THOMPSON, T. J., Textiles	Feb. 24	Jan. 12	448
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	†Dec. 11	†Dec. 15	1,186
23. BARROWS, B., Cash Registers; Calculators (part)	†Oct. 20	†Sept. 20	157
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Apr. 4	Apr. 14	436
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Jan. 7	Jan. 21	795
26. YOUNG, R. R., Electricity—Generation and Motive Power	†Nov. 9	†Nov. 13	906
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	†Nov. 15	†Nov. 6	510
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	†Oct. 13	†Nov. 22	726
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Jan. 5	Feb. 22	808
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	†Nov. 12	†Nov. 8	1,069
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Feb. 16	Mar. 2	1,065
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells, Earth Boring.	Mar. 13	Feb. 18	745
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Mar. 16	Apr. 20	664
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Feb. 11	Feb. 19	462
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Mar. 25	Mar. 22	603
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Jan. 13	Jan. 24	522
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	†Dec. 16	†Dec. 9	789
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part)	†Dec. 8	†Dec. 10	621
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Feb. 4	Feb. 5	744
40. DRUMMOND, E. J., Receptacles (part); Packages	Mar. 21	Mar. 18	664
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	†Oct. 28	†Dec. 10	407
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Mar. 17	Mar. 17	461
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Jan. 15	Jan. 14	781
44. HARVEY, L. P., Refrigeration; Preserving	†Nov. 15	†Nov. 17	441
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Jan. 15	Jan. 28	1,082
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	†Nov. 20	†Nov. 20	511
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Mar. 23	Mar. 21	737
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Jan. 12	Jan. 21	827
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Jan. 24	Feb. 14	624
50. LEVIN, SAMUEL, Synthetic Resins; Rubber (part)	Jan. 22	Feb. 3	1,445
51. CROCKER, A. W., Radiant Energy; Multiplex Telephony, Modulators	†Dec. 30	†Dec. 31	1,367
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Jan. 12	†Oct. 27	878
53. PECK, M. K., Label Fasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Mar. 20	†Dec. 10	496
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	†Sept. 10	†Aug. 19	1,011
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	†Nov. 24	†Nov. 12	655
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Jan. 7	Jan. 7	786
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	†Sept. 18	Jan. 3	847
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Feb. 17	Jan. 22	708
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	†Dec. 18	†Dec. 27	1411
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	†Nov. 30	†Nov. 30	988
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Mar. 2	Feb. 14	527
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Mar. 1	Feb. 12	1,046
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	†Dec. 13	†Nov. 13	1,022
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Mar. 24	Mar. 13	973
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	†Nov. 22	†Nov. 3	964
Trade-Marks: RICHMOND, F. A	May 25	June 17	1,800
Designs: KALUPY, H. H	June 3	June 29	664

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme-Evans Company, Inc., doing business as Lawrenceburg Roller Mills Company, Indianapolis and Lawrenceburg, Ind. Self-rising flour, wheat flour. Serial No. 466,317; Aug. 29. Class 46.

Advertising Novelty Manufacturing Co., Inc., Philadelphia, Pa. Display cabinets. Serial No. 470,953; Aug. 29. Class 32.

Alo-Cresco Products. (See Weidman, Richard J.)

American Foundry Equipment Company, Mishawaka, Ind. Machines for the surface hardening of metal parts. Serial No. 470,843; Aug. 29. Class 23.

Amling Wholesale Florist, Inc., San Francisco, Calif. Gardenias, orchids, and corsage bouquets. Serial No. 466,116; Aug. 29. Class 1.

Arlington Chemical Company, The, Yonkers, N. Y. Pharmaceutical preparation of iron and copper. Serial No. 468,426; Aug. 29. Class 6.

Arlington Chemical Company, The, Yonkers, N. Y. Pharmaceutical preparation of copper and iron combined with protein. Serial No. 468,428; Aug. 29. Class 6.

Associated Press, The, New York, N. Y. News stories and news photographs. Serial No. 466,422; Aug. 29. Class 38.

Atlas Color & Chemical Co. (See Collins, P. Joseph.)

Balata, Victor, & Textile Belting Co., New York, N. Y. Solid woven belting. Serial No. 470,249; Aug. 29. Class 35.

Begley, George, Jr., doing business as Parfum Dalmora, Chicago, Ill. Perfume and cologne. Serial No. 469,717; Aug. 29. Class 6.

Belt Modes. (See Rubin, Daniel.)

Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils. Serial No. 469,952; Aug. 29. Class 37.

Bowey's, Inc., Chicago, Ill. Stabilizers. Serial No. 470,404; Aug. 29. Class 46.

Bradford-Norton, Birmingham, Ala. Ladies' hand bags. Serial No. 469,352; Aug. 29. Class 3.

Bradley, William T., Morehead, Ky. Medicine for the treatment of piles. Serial No. 470,554; Aug. 29. Class 6.

Camden Furniture Company, Camden, Ark. Household furniture. Serial Nos. 470,700–1; Aug. 29. Class 32.

Carse, John F., doing business as J–D Chemical Co., Omaha, Nebr. Chemical and mineral preparation. Serial No. 467,783; Aug. 29. Class 6.

Cato Perfumers. (See Page & Dixon Drug Co., Inc.)

Celanese Corporation of America, New York, N. Y. Publication. Serial No. 471,207; Aug. 29. Class 38.

Champion, William J., Mystic, Conn. Board game. Serial No. 467,997; Aug. 29. Class 22.

Citrus Products Company, Chicago, Ill. Non-alcohol, noncereal, maltless beverages. Serial No. 471,184; Aug. 29. Class 45.

Club Aluminum Products Co., Chicago, Ill. Ceramic table, refrigerator and oven ware. Serial No. 461,547; Aug. 29. Class 30.

Colliery Engineering Limited, Sheffield, England. Machines for cleaning coal and the like mineral substances by gravity concentration. Serial No. 465,383; Aug. 29. Class 23.

Collins, P. Joseph, doing business as Atlas Color & Chemical Co., Boston, Mass. Reducing agents for chrome in a dye bath. Serial No. 465,649; Aug. 29. Class 6.

Colloidal Laboratories, assignor to Mycoloid Laboratories, Inc., Little Falls, N. J. Therapeutic powder, solution, lotion, and ointment. Serial No. 464,409; Aug. 29. Class 6.

Dewey and Almy Chemical Company, Cambridge, Mass. Concrete curing compound. Serial No. 468,503; Aug. 29. Class 12.

Dome Chemicals Incorporated, New York, N. Y. Water soluble greaseless bases. Serial No. 469,808; Aug. 29. Class 6.

Dover Hall Co., Inc., New York, N. Y. Tobacco pouches. Serial No. 470,830; Aug. 29. Class 8.

East Idaho Brewing, Inc., Pocatello, Idaho. Beer. Serial No. 470,568; Aug. 29. Class 48.

Facil Fabrics Company, New York, N. Y. Articles made of laminated rayon ribbon, laminated rayon piece goods, etc. Serial No. 467,272; Aug. 29. Class 50.

Farley Fruit Company, Salinas, Calif. Fresh vegetables. Serial No. 471,153; Aug. 29. Class 46.

Fisba Fabrics, Inc., New York, N. Y., assignor to Christian Fischbacher Co., St. Gall, Switzerland. Cotton piece goods. Serial No. 460,795; Aug. 29. Class 42.

Fischbacher, Christian, Co. (See Fisba Fabrics, Inc., assignor.)

Floquil Products, Inc., New York, N. Y. Pigmented penetrating inks. Serial No. 470,717; Aug. 29. Class 11.

Fox River Paper Corporation, Appleton, Wis. Writing paper. Serial No. 470,942; Aug. 29. Class 37.

Fruen Milling Company, Minneapolis, Minn. Whole wheat flour, rye flour, rye meal, etc. Serial No. 460,614; Aug. 29. Class 46.

G. H. & E. Freydberg, Inc., New York, N. Y. Shelving and shelf edging. Serial No. 469,044; Aug. 29. Class 42.

Goodman-Kleiner Co, Inc., New York, N. Y. Clinical thermometers, hypodermic needles, hypodermic syringes, etc. Serial No. 468,565; Aug. 29. Class 44.

Grayleigh Sportswear Co., Chicago, Ill. Men's and boys' jackets. Serial No. 471,258; Aug. 29. Class 39.

Gruen Watch Company, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 461,370; Aug. 29. Class 27.

Hart Products Corporation, New York, N. Y. Soluble oils, sizings, penetrants, etc. Serial No. 465,428; Aug. 29. Class 6.

Island Mining and Trading Corporation, Habana, Cuba. Stick candies, hard candies, caramels, etc. Serial No. 462,053; Aug. 29. Class 46.

J–D Chemical Co. (See Carse, John F.)

Jonat Candy Corp., Brooklyn, N. Y. Candy. Serial No. 463,024; Aug. 29. Class 46.

Jones-Young Manufacturing Co., New York, N. Y. Canvas baby swings, toy ironing boards and toy block sets. Serial No. 471,525; Aug. 29. Class 22.

Karoff, Robert B., Creations, Inc., New York, N. Y. Perfume and cologne. Serial No. 470,769; Aug. 29. Class 6.

Lafond Chocolatier, New York, N. Y. Candy. Serial No. 468,036; Aug. 29. Class 46.

Lawrenceburg Roller Mills Company. (See Acme-Evans Company, Inc.)

Lederer Industries, Inc., The, New York, N. Y. Toy spinning tops. Serial No. 471,451; Aug. 29. Class 22.

Lederle Laboratories, Inc., New York, N. Y. Multivitamin preparation. Serial No. 471,222; Aug. 29. Class 6.

Leichter, Emil, New York, N. Y. Watches. Serial No. 471,350; Aug. 29. Class 27.

Mandell, Irving, doing business as Universal Utilities Products, Detroit, Mich. Cleaner for stoves, ranges, pots, etc. Serial No. 465,262; Aug. 29. Class 4.

Martin-Dennis Company, The, Newark, N. J. Water softening agents. Serial Nos. 470,982–3; Aug. 29. Class 6.

McDougall-Butler, Inc., Buffalo, N. Y. Varnish. Serial No. 471,093; Aug. 29. Class 16.

McKesson & Robbins, Incorporated, New York, N. Y. Vitamin preparation. Serial Nos. 470,535–6; Aug. 29. Class 6.

McKesson & Robbins, Incorporated, New York, N. Y. Preparations for the relief of coughs and colds. Serial No. 470,537; Aug. 29. Class 6.

McKesson & Robbins, Incorporated, New York, N. Y. Antiseptic and analgesic. Serial No. 470,538; Aug. 29. Class 6.

Midwest Manufacturing and Engineering Corp., Boston, Mass., and New York, N. Y. Wall and door racks. Serial No. 469,087; Aug. 29. Class 13.

Mokelumne Winery, Woodbridge and Lodi, Calif. Wines. Serial No. 466,097; Aug. 29. Class 47.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resin composition. Serial Nos. 470,625–6; Aug. 29. Class 1.

Morris, Harry, Associates, Chicago, Ill. Compacts. Serial No. 471,677; Aug. 29. Class 2.

Mycoloid Laboratories, Inc. (See Colloidal Laboratories, assignor.)

National Plastic Products Company, Odenton, Md. Plastic tubing. Serial No. 470,508; Aug. 29. Class 35.

New Jersey Zinc Company, The, New York, N. Y. Zinc oxide, zinc sulphide base pigments, etc. Serial No. 470,989; Aug. 29. Class 16.

New Jersey Zinc Company, The, New York, N. Y. Zinc oxide, zinc sulphide base compositions, zinc borate, etc. Serial No. 470,990; Aug. 29. Class 6.

Ohlen-Bishop Manufacturing Company, Columbus, Ohio. Saws. Serial No. 471,130; Aug. 29. Class 23.

Originalities, New York, N. Y. Toy consisting of a rotary member having a string affixed to the opposite ends thereof. Serial No. 470,465; Aug. 29. Class 22.

Page & Dixon Drug Co., Inc., doing business as Cato Perfumers, assignor to William Senco, Chicago, Ill. Cold cream, lipstick, cologne, etc. Serial No. 466,586; Aug. 29. Class 6.

Parfum Dalmora. (See Begley, George, Jr.)

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Oil of vitriol, sulphuric acid, ammonium persulfate, etc. Serial No. 469,040; Aug. 29. Class 6.

Pervo Company, The, Los Angeles, Calif. Paint products. Serial No. 440,521; Aug. 29. Class 16.

Pessl, Helene, Inc., New York, N. Y. Perfumes, colognes, toilet waters, etc. Serial No. 470,581; Aug. 29. Class 6.

Phillips, W. T., Jr., doing business as W. T. Phillips & Son, Hampton, Va. Potato chips, French fried popped corn, peanuts. Serial No. 466,174; Aug. 29. Class 46.
Phillips, W. T., & Son. (See Phillips, W. T., Jr.)
Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Detergent preparation. Serial No. 465,565; Aug. 29. Class 4.
Pinaud, Incorporated, New York, N. Y. Eau de cologne. Serial No. 469,441; Aug. 29. Class 6.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Polymerizable synthetic resin-forming materials. Serial No. 471,282; Aug. 29. Class 1.
Precision Scientific Co., Chicago, Ill. Titrometers, colorimeters, densitometers and photometers. Serial No. 471,682; Aug. 29. Class 26.
Professional Management, Battle Creek, Mich. Printed and ruled blank forms. Serial No. 449,433; Aug. 29. Class 37.
Reichhold Chemicals, Inc., Detroit, Mich. Synthetic plastic resins. Serial No. 470,466; Aug. 29. Class 1.
Rewl Publications, Inc., New York, N. Y. Magazines. Serial No. 470,736; Aug. 29. Class 38.
Reyes & Betita Co., Arroya Grande, Calif. Fresh vegetables. Serial No. 467,208; Aug. 29. Class 46.
Rieser Company, Inc., The, New York, N. Y. Abrasive blocks. Serial No. 461,617; Aug. 29. Class 44.
Rose Exterminator Co., Chicago, Ill. Bait for exterminating rodents and like pests. Serial No. 469,692; Aug. 29. Class 6.
Rubin, Daniel, doing business as Belt Modes, New York, N. Y. Ladies' handbags. Serial No. 471,686; Aug. 29. Class 3.
Rushbrook Farm Products Co., New York, N. Y. Cheese. Serial No. 471,633; Aug. 29. Class 46.
Schabelitz, Ernest J., doing business as Schabelitz Research Laboratories, San Diego, Calif. Container containing a prophylactic rubber article, a tube of jelly, etc. Serial No. 467,619; Aug. 29. Class 44.
Schabelitz Research Laboratories. (See Schabelitz, Ernest J.)
Sears, Roebuck and Co., Chicago, Ill. Diamonds. Serial No. 471,104; Aug. 29. Class 28.
Selman & Birch, New York, N. Y. Finger rings, articles of jewelry. Serial No. 470,122; Aug. 29. Class 28.
Semco, William. (See Page & Dixon Drug Co., Inc., assignor.)
Seydel Chemical Company, Jersey City, N. J. Antispasmodic used in seasickness, etc. Serial No. 470,550; Aug. 29. Class 6.
Shellmar Products Company, Mount Vernon, Ohio. Merchandise bags. Serial No. 466,590; Aug. 29. Class 2.
Sorenson, P. C., doing business as United Mint Products Co., Milwaukee, Wis. Vitamin preparation. Serial No. 469,097; Aug. 29. Class 6.
Spiegel Bros., New York, N. Y. Men's and boys' neckties, mufflers, and sport shirts. Serial No. 465,272; Aug. 29. Class 39.
Sunnytown Togs, Inc., Casselberry and Fern Park, Fla. Boys' overalls, jumpers, suits, etc. Serial No. 471,238; Aug. 29. Class 39.
Ulmer Pharmacal Company. (See Physicians & Hospitals Supply Company, Inc.)
Union Oil Company of California, Los Angeles, Calif. Petroleum asphalts. Serial No. 465,052; Aug. 29. Class 12.
Union Oil Company of California, Los Angeles, Calif. Petroleum wax. Serial No. 466,112; Aug. 29. Class 15.
United Mint Products Co. (See Sorenson, P. C.)
Universal Utilities Products. (See Mandell, Irving.)
Vernan Manufacturing Company, Johnstown, Pa. Preparation or tonic for the hair. Serial No. 470,588; Aug. 29. Class 6.
Weidman, Richard J., doing business as Alo-Cresco Products, Richmond Hill, N. Y. Preparation for the conditioning of the hair. Serial No. 470,547; Aug. 29. Class 6.
Weinstein, Morris, New York, N. Y. Children's and juniors', misses' and infants' coats and suits. Serial No. 471,110; Aug. 29. Class 39.
Wilson, William M., Sons, Philadelphia, Pa. Self-closing fauc[illegible] Serial No. 469,978; Aug. 29. Class 13.
World Wide Vitamin Company, Newark, N. J. Vitamin preparation. Serial No. 470,059; Aug. 29. Class 6.
Wyler, Alfred, New York, N. Y. Watches. Serial Nos. 471,378–9; Aug. 29. Class 27.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Laboratories, Inc., Chicago, Ill. Tooth-powder. 408,882; Aug. 29. Class 6.
Adel Precision Products Corp., Burbank, Calif. Hydraulic control valves. 408,710; Aug. 29; Serial No. 460,512; published June 13, 1944. Class 13.
Adler Co., The, Cincinnati, Ohio. Knitted cotton tubing. 408,812; Aug. 29; Serial No. 468,059; published May 23, 1944. Class 42.
American Blue Stone Co., Warsaw and New York, to American Blue Stone Co., Portageville, N. Y. Blue stone treads, stair landings, slabs, etc. 192,966; renewed Dec. 16, 1944.
American Soil Products Co., Inc., New York, N. Y. Soil testing set. 408,760; Aug. 29; Serial No. 466,474; published June 20, 1944. Class 50.
American Zyloptic Co. (See Kaesz, Stefan.)
Ams, Max, Inc., New York, N. Y. Honey, bottled olives, pancake syrup, etc. 408,856; Aug. 29; Serial No. 469,103; published June 20, 1944. Class 46.
Anglo-American Packing Corp., New York, N. Y. Chile con carne, corned beef hash. 408,782; Aug. 29; Serial No. 467,306; published June 20, 1944. Class 46.
Arnesto Paint Co., Inc., New York, N. Y. Ready-mixed paints. 193,339; renewed Dec. 23, 1944.
Associated Lace Corporation, New York, N. Y. Shiffli embroidered laces in the piece, and shiffli embroidered medallions. 408,764; Aug. 29; Serial No. 466,665; published May 9, 1944. Class 42.
Astlett, H. A., & Co., New York, N. Y. Men's and ladies' hosiery. 408,857; Aug. 29; Serial No. 469,112; published June 6, 1944. Class 39.
Az-Nu Electro-Mend Co., doing business as No Darn Co., Chicago, Ill. Cloth patches. 408,896; Aug. 29. Class 40.
B. V. D. Corporation, The, Baltimore, Md. Cotton piece goods. 408,765; Aug. 29; Serial No. 466,687; published May 23, 1944. Class 42.
B. V. D. Corporation, The, Baltimore, Md. Cotton piece goods. 408,771; Aug. 29; Serial No. 466,968; published Apr. 25, 1944. Class 42.
Barkin, Levin & Co. Inc., New York, N. Y. Ladies' and misses' coats and suits. 408,745; Aug. 29; Serial No. 465,175; published Feb. 29, 1944. Class 39.
Bath, John, & Company, Worcester, Mass. Taps and dies. 192,947; renewed Dec. 16, 1944.
Bedney, Boris M., doing business as The Buyer's Secretary, to The Buyer's Secretary, Incorporated, New York, N. Y., successor. Periodic publications. 188,842; renewed Sept. 2, 1944.
Bendel, Henri, Inc., New York, N. Y. Lipstick. 408,858; Aug. 29; Serial No. 469,144; published June 6, 1944. Class 6.
Bettman Nut Co., Inc., to Bettman Nut Co., New York, N. Y., successor. Nuts. 193,232; renewed Dec. 23, 1944.
Binky Baby Products Company, New York, N. Y. Baby pants, bibs, booties, etc. 408,815; Aug. 29; Serial No. 468,105; published June 20, 1944. Class 39.
Biochemical Products Corporation, New York, N. Y. Pharmaceutical preparations. 408,785; Aug. 29; Serial No. 467,444; published June 13, 1944. Class 6.
Blatchford Company, The. (See Blatchford, James E.)
Blatchford, James E., doing business as The Blatchford Company, Altoona, Pa. Women's and misses' fur coats, fur scarfs, fur-trimmed coats, etc. 408,727; Aug. 29; Serial No. 463,412; published May 23, 1944. Class 39.
Bonwit Teller, Inc., New York, N. Y. Women's and misses' blouses; neckwear—i. e., scarfs; handkerchiefs, etc. 408,709; Aug. 29; Serial No. 460,468; published June 20, 1944. Class 39.
Boston, Wilma M., Detroit, Mich. Hair grower. 408,823; Aug. 29; Serial No. 468,336; published June 13, 1944. Class 6.
Botany Worsted Mills, Passaic, N. J. Woolen blankets and blanketing cloths. 408,737; Aug. 29; Serial No. 465,523; published Feb. 8, 1944. Class 42.
Botany Worsted Mills, Passaic, N. J. Woolen piece goods. 408,813; Aug. 29; Serial No. 468,062; published June 20, 1944. Class 42.
Bowen, L. R., doing business as Li-Cut Live Bait Co., Los Angeles, Calif. Fish bait. 408,824; Aug. 29; Serial No. 468,372; published June 20, 1944. Class 22.
Brand & Oppenheimer, Incorporated, New York, N. Y. Fabrics and piece goods. 408,814; Aug. 29; Serial No. 468,064; published June 20, 1944. Class 42.
Brian Fabrics Corporation, New York, N. Y. Scarves and fascinators. 408,835; Aug. 29; Serial No. 468,592; published June 20, 1944. Class 39.
Brignall, Guy E., doing business as Lite Soap Company, Aurora, Ill. Household soap. 408,861; Aug. 29; Serial No. 469,243; published June 20, 1944. Class 4.
Brooks Bank Note Company, Springfield, Mass. Writing and printing paper. 408,899; Aug. 29. Class 37.
Browning Manufacturing Co., Incorporated, Maysville, Ky. Power transmission belting. 408,889; Aug. 29. Class 35.
Bruno, C., & Son, Inc., New York, N. Y. Accordions. 193,191; renewed Dec. 23, 1944.
Bruno, C., & Son, Inc., New York, N. Y. Banjos. 193,288; renewed Dec. 23, 1944.
Buffalo Foundry & Machine Co., Buffalo, N. Y. Castings. 408,772; Aug. 29; Serial No. 466,974; published June 20, 1944. Class 14.
Buyer's Secretary, The. (See Bedney, Boris M.)

Buyer's Secretary, Incorporated, The. (See Bedney, Boris M.)
Celanese Corporation of America, New York, N. Y. Piece goods. 408,692; Aug. 29; Serial No. 455,172; published Apr. 25, 1944. Class 42.
Cemetery Legal Compass, Los Angeles, Calif. Periodical publications. 408,853; Aug. 29; Serial No. 469,003; published June 13, 1944. Class 38.
Central Screw Company, Chicago, Ill. Screws, nuts, bolts, etc. 408,753; Aug. 29; Serial No. 466,192; published June 20, 1944. Class 13.
Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics in the piece. 192,254; renewed Dec. 2, 1944.
Christian Science Publishing Society, The, Boston, Mass. Newspaper column. 408,860; Aug. 29; Serial No. 469,222; published May 30, 1944. Class 38.
Christian Science Publishing Society, The, Boston, Mass. Monthly publication. 408,862; Aug. 29; Serial No. 469,247; published Jue 20, 1944. Class 38.
Chromat-O-Scope Company, Los Angeles, Calif. Chromoscopes and viewing boxes. 408,809; Aug. 29; Serial No. 467,998; published June 20, 1944. Class 26.
Churchill, O. H., Co., Los Angeles, Calif. Fresh grapes. 192,862; renewed Dec. 16, 1944.
Ciba Pharmaceutical Products, Inc., Summit, N. J. Antiseptic, bactericidal, and fungicidal ointment. 408,828; Aug. 29; Serial No. 468,502; published June 6, 1944. Class 6.
Cinema Engineering Company. (See Davis, Arthur C.)
City Engineering Company, The, Dayton, Ohio. Gages. 408,820; Aug. 29; Serial No. 466,429; published June 27, 1944. Class 26.
Cliff, Jabez, & Company Limited, Walsall, England. Football covers. 193,322; renewed Dec. 23, 1944.
Climax Manufacturing Company, Castorland, N. Y. Folding paper boxes and fiber drums. 186,148; renewed July 1, 1944.
Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and outer shirts. 408,695; Aug. 29; Serial No. 457,432; published Apr. 25, 1944. Class 39.
Cluett, Peabody & Co., Inc., Troy, N. Y. Wearing apparel. 408,780; Aug. 29; Serial No. 467,268; published June 20, 1944. Class 39.
Cluett, Peabody & Co., Inc., Troy, N. Y. Piece goods. 408,781; Aug. 29; Serial No. 467,269; published May 23, 1944. Class 42.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods of cotton, rayon and/or silk. 408,711; Aug. 29; Serial No. 460,733; published Jan. 18, 1944. Class 42.
Collins, Robert B., doing business as Siatico Company, Charlotte, Mich. Medicinal preparation. 408,898; Aug. 29. Class 6.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Pistols. 408,712; Aug. 29; Serial No. 461,014; published June 20, 1944. Class 9.
Columbia Phonograph Company, Inc., Bridgeport, Conn., assignor, by mesne assignments, to Columbia Recording Corporation, New York, N. Y. Radio receiving, detecting and transmitting sets and parts thereof, crystal receiving sets, etc. 191,603; renewed Nov. 11, 1944.
Columbia Phonograph Company, Inc., Bridgeport, Conn., assignor, by mesne assignments, to Columbia Recording Corporation, New York, N. Y. Radio receiving, detecting and transmitting sets and parts thereof, crystal receiving setss. 191,632; renewed Nov. 11, 1944.
Columbia Recording Corporation. (See Columbia Phonograph Company, Inc., assignor.)
Consolidated Orange Growers. (See Red Fox Orchards, assignor.)
Coon, W. B., Co., Rochester, N. Y. Boots, shoes, and slippers. 192,585; renewed Dec. 9, 1944.
Corn Products Refining Company, New York, N. Y. Protein material. 408,871; Aug. 29; Serial No. 469,806; published June 20, 1944. Class 5.
County Perfumery Company, Inc., The, Bloomfield, N. J. Preparations for use in the dressing, care, and treatment of the hair. 408,839; Aug. 29; Serial No. 468,664; published June 13, 1944. Class 6.
Craighead, John R., Denver, Colo. Leather garment belts for ordinary wear. 408,689; Aug. 29; Serial No. 450,133; published Apr. 25, 1944. Class 39.
Crest Fabrics Corp., New York, N. Y. Textile fabrics. 408,788; Aug. 29; Serial No. 467,594; published May 9, 1944. Class 42.
Crown Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 408,733; Aug. 29; Serial No. 464,159; published Apr. 25, 1944. Class 42.
Crown Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 408,795; Aug. 29; Serial No. 467,649; published May 16, 1944. Class 42.
Crystal, David, Inc., New York, N. Y. Made-up plackets. 408,887; Aug. 29. Class 40.
Cushman Chuck Company, Hartford, Conn. Chucks. 193,088; renewed Dec. 16, 1944.
Daneluzzi, Libero J., Bridgeton, N. J. Lithographed and printed labels. 408,724; Aug. 29; Serial No. 462,908; published June 6, 1944. Class 38.
Davis, Arthur C., doing business as Cinema Engineering Company, Burbank, Calif. Variable attenuators. 408,822; Aug. 29; Serial No. 468,319; published June 20, 1944. Class 21.
Defiance Dairy Products Company, The, to The Defiance Milk Products Company, Defiance, Ohio. Evaporated milk. 187,904; renewed Aug. 12, 1944.
Defiance Milk Products Company, The. (See Defiance Dairy Products Company, The.)
Delapenha, R. U., & Co. Inc., New York, N. Y. Sherry. 408,761; Aug. 29; Serial No. 466,482; published June 13, 1944. Class 47.
Dellaria, Guy T., doing business as The Rheumatkill Co., New York, N. Y. Liniment. 408,718; Aug. 29; Serial No. 462,179; published June 6, 1944. Class 6.
Delta Tau Delta Fraternity, New York, N. Y., to Delta Tau Delta Fraternity, Indianapolis, Ind. News and Literary publication. 188,826; renewed Sept. 2, 1944.
De Nido, Conchita G., Santurce, P. R. Infants' and children's dresses, blouses, handkerchiefs and scarfs. 408,800; Aug. 29; Serial No. 467,753; published May 2, 1944. Class 39.
Dessy Jewelers, Inc., New York, N. Y. Jewelry. 408,784; Aug. 29; Serial No. 467,428; published June 20, 1944. Class 28.
Destruxol Corporation, Ltd., Pasadena, Calif. Chemical composition for spray purposes and for spraying furs, garments, and fabrics. 408,686; Aug. 29; Serial No. 443,755; published Nov. 4, 1941. Class 6.
Detona Medicine Co. (See Rupert, Floyd J.)
Diadem, Inc., Leominster, Mass. Coiffure combs. 408,840–2; Aug. 29; Serial Nos. 468,666–8; published June 20, 1944. Class 40.
Dillinger Distilleries, Inc., Ruffsdale and Philadelphia, Pa., Whiskey. 408,704; Aug. 29; Serial No. 459,902; published June 13, 1944. Class 49.
Distribution and Warehousing Publications, Inc., New York, N. Y. Section of a periodical appearing at irregular intervals. 408,736; Aug. 29; Serial No. 464,813; published June 6, 1944. Class 38.
Ditzler Color Company, Detroit, Mich., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Finish in the nature of a paint. 190,845; renewed Oct. 28, 1944.
Domestic Stoker Company, New York, assignor to Electric Furnace-Man, Inc., New York, N. Y., and Emmaus, Pa. Electric automatic stokers. 188,711; renewed Sept. 2, 1944.
Drug Products Co., Inc., The, Long Island City, N. Y. Combination of desiccated hypophysis cerebri and epinephrin in physiological salt solution and containing chlorbutanol (chlor. der.). 188,686; renewed Sept. 2, 1944.
Drug Products Co. Inc., The, Long Island City, N. Y. Uncoated pulverous tablets. 188,687; renewed Sept. 2, 1944.
Duvan Vital Products Co. (See Van Pelt, Charles H. C.)
Eaton-Tomlinson Co., Avondale, Colo. Fresh vegetables and melons. 408,866; Aug. 29; Serial No. 469,558; published June 20, 1944. Class 46.
Eavey Co., The. (See Eavey Company, The.)
Eavey Company, The, Xenia, Ohio, Fort Wayne, Richmond, and Huntington, Ind., and Sturgis, Mich., to The Eavey Co., Xenia, Ohio, and Richmond, Ind. Gloss starch and salt. 187,398; renewed Aug. 5, 1944.
Eavey Co., The, Xenia, to The Eavey Co., Xenia, Ohio, and Richmond, Ind. Coffee, breakfast cereals, canned milk, etc. 187,962; renewed Aug. 12, 1944.
Eddy Co., The. (See Eddy, E. J.)
Eddy, E. J., doing business as The Eddy Co., Long Beach, Calif. Liniment. 408,817; Aug. 29; Serial No. 468,233; published June 13, 1944. Class 6.
Electric Furnace-Man, Inc. (See Domestic Stoker Company, assignor.)
Electric Machinery Mfg. Company, Minneapolis, Minn. Electrical machines and apparatus. 408,777–8; Aug. 29; Serial Nos. 467,123–4; published June 20, 1944. Class 21.
Elmwood Farm Co. (See Lamson & Co. Incorporated.)
Emsley, J., & Company Limited, Bradford, England. Piece goods. 408,725; Aug. 29; Serial No. 463,067; published May 9, 1944. Class 42.
Epstein, I., & Sons, Inc. (See Epstein, Isaac.)
Epstein, Isaac, to I. Epstein & Sons, Inc., Newark, N. J., successor. Canned and preserved fish. 191,473; renewed Nov. 11, 1944.
Essex Cheese. (See Meeker, Lawrance A.)
Everfast Fabrics, Inc., New York, N. Y. Textile fabrics. 408,790; Aug. 29; Serial No. 467,605; published May 23, 1944. Class 42.
Everfast Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 408,789; Aug. 29; Serial No. 467,603; published May 16, 1944. Class 42.
Everfast Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 408,796; Aug. 29; Serial No. 467,659; published May 16, 1944. Class 42.
Everfast Fabrics, Inc., New York, N. Y. Textile fabrics. 408,808; Aug. 29; Serial No. 467,917; published May 23, 1944. Class 42.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 408,829; Aug. 29; Serial No. 468,506; published June 13, 1944. Class 38.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 408,830; Aug. 29; Serial No. 468,510; published May 30, 1944. Class 38.

Fidelity Chemical Corporation, Houston, Tex. Fertilizers. 408,834; Aug. 29; Serial No. 468,561; published June 20, 1944. Class 10.
Field & Flint Co., Boston and Brockton, Mass. Shoes. 192,168; renewed Nov. 25, 1944.
Firestone Industrial Products Company. (See Firestone Tire & Rubber Company, The.)
Firestone Tire & Rubber Company, The, doing business as Firestone Industrial Products Company, Akron, Ohio. Adhesives. 408,818–19; Aug. 29; Serial Nos. 468,249–50; published June 20, 1944. Class 5.
Fort Wayne Printing Company, Inc., Fort Wayne, Ind. Calendars. 408,863; Aug. 29; Serial No. 469,392; published June 13, 1944. Class 38.
Fredriksen, Fred, doing business as Fredriksen Service Co., Chicago, Ill. Safety seals for fire extinguishers. 408,774; Aug. 29; Serial No. 467,029; published June 20, 1944. Class 25.
Fredriksen Service Co. (See Fredriksen, Fred.)
Freund, Freund & Co., Inc., New York, N. Y. Piece goods of cotton, and mixtures of cotton and rayon, etc. 408,734–5; Aug. 29; Serial Nos. 464,648–9; published Feb. 22. 1944. Class 42.
Fromm Bros., Inc., Hamburg, Wis. Ladies' garments made of fur. 408,687; Aug. 29; Serial No. 444,868; published Nov. 15, 1943. Class 39.
Garfinckel, Julius, & Co., Incorporated, Washington, D. C. Ladies', misses', and girls' suits, dresses, shirts, etc. 408,767; Aug. 29; Serial No. 466,788; published Apr. 25, 1944. Class 39.
General Motors Corporation. (See Ternstedt Manufacturing Company, assignor.)
Gengler, Edwin J., Milwaukee, Wis. Milking timers. 408,877; Aug. 29. Class 27.
Georgia Kaolin Company, Elizabeth, N. J. Clay for use in the manufacture of paper, rubber, and ceramics. 408,696; Aug. 29; Serial No. 457,436; published June 20, 1944. Class 1.
Gill, William, Oklahoma City, Okla. Photocopies of articles and news items. 408,891; Aug. 29. Class 38.
Globe Lighting Fixture Mfg. Company, New York, to Globe Lighting Fixture Mfg. Company, Brooklyn, N. Y. Electric-lighting fixtures and parts thereof. 193,257; renewed Dec. 23, 1944.
Glove Corporation, The, Alexandria, Ind. Gloves. 408,854; Aug. 29; Serial No. 469,046; published June 20, 1944. Class 39.
Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Heels, soles and half soles of rubber. 408,746; Aug. 29; Serial No. 465,319; published Apr. 25, 1944. Class 39.
Gorham Manufacturing Company, Providence, R. I. Electric lamps and electroliers. 193,167; renewed Dec. 23, 1944.
Gorton, George, Machine Company, Racine, Wis. Electric arc etching machines, etc. 408,730; Aug. 29; Serial No. 463,997; published June 20, 1944. Class 21.
Great Lakes Button Co. Inc., Brockport, N. Y. Buttons. 408,786; Aug. 29; Serial No. 467,523; published June 20, 1944. Class 40.
Great Lakes Varnish Works, Inc., Chicago, Ill. Varnish. 408,849; Aug. 29; Serial No. 468,886; published June 20, 1944. Class 16.
Grey Hosiery Mills. (See Grey, James P., & Co., assignor.)
Grey, James P., & Co., assignor to Grey Hosiery Mills, Hendersonville, N. C. Hosiery. 192,005; renewed Nov. 25, 1944.
Grolier Society, Inc., The, New York, N. Y. Books, booklets, and children's encyclopedia. 408,804; Aug. 29; Serial No. 467,886; published June 13, 1944. Class 38.
Gutterman, Silverite, Co., doing business as Stepsoft Products Company, Boston, Mass. Heel cushions, insoles, stocking protectors, etc. 408,879; Aug. 29. Class 39.
Hahn, Harold V., doing business as Phillips Brush Company, Cleveland, Ohio. Coiffure combs. 408,846; Aug. 29; Serial No. 468,795; published June 20, 1944. Class 40.
Harrison, Robert, New York, N. Y. Pictorial humorous periodical. 408,847; Aug. 29; Serial No. 468,796; published June 13, 1944. Class 38.
Hayward-Schuster Co., Inc., New York, N. Y. Woolen piece goods. 408,773; Aug. 29; Serial No. 466,987; published May 2, 1944. Class 42.
Hayward-Schuster Co., Inc., New York, N. Y. Woolen piece goods. 408,895; Aug. 29. Class 42.
Hercules Powder Company, Wilmington, Del. Magazine. 408,732; Aug. 29; Serial No. 464,970; published Jan. 11, 1944. Class 38.
Heyman, W. M., Phoenix, Ariz. Fresh vegetables and melons. 408,697; Aug. 29; Serial No. 457,974; published June 20, 1944. Class 46.
Hoffman, Rube P., Los Angeles, Calif. Piece goods. 408,851; Aug. 29; Serial No. 468,920; published June 20, 1944. Class 42.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 193,212–20; renewed Dec. 23, 1944.
Holophane Company, Inc., New York, N. Y. Glass lamp panels and screens, globes, lenses and reflectors. 408,700; Aug. 29; Serial No. 458,493; published June 13, 1944. Class 34.
House of Westmore, Inc., New York, N. Y. Lipsticks and dry or cake rouge. 408,708; Aug. 29; Serial No. 460,402; published July 20, 1942. Class 6.
Hudnut, Richard, New York, N. Y. Cream rouge, dry rouge and lipstick. 408,747; Aug. 29; Serial No. 465,478; published Feb. 15, 1944. Class 6.
Humbert, Alfred, & Son, Philadelphia, Pa. Wedding rings. 193,226–7; renewed Dec. 23, 1944.
Hyman Bros., Philadelphia, Pa. Ladies' and misses' dresses. 408,855; Aug. 29; Serial No. 469,049; published June 6, 1944. Class 39.
Idris Ltd., London, England. Nonalcoholic beverages. 408,721; Aug. 29; Serial No. 462,797; published June 13, 1944. Class 45.
Imperial Importers, Inc., Chicago, Ill. Whiskey. 408,748–50; Aug. 29; Serial Nos. 466,042–4; published June 13, 1944. Class 40.
Indiana Arts and Crafts Board, Washington, D. C. Garment belts, collar and cuff sets, costumes, etc. 408,776; Aug. 29; Serial No. 467,084; published May 9, 1944. Class 39.
Infilco Incorporated, Chicago, Ill. Filters. 408,873; Aug. 29; Serial No. 470,030; published June 20, 1944. Class 31.
J N T Mfg. Company Inc., New York, N. Y. Cleaner. 408,752; Aug. 29; Serial No. 466,162; published June 20, 1944. Class 4.
Jaeger Watch Company, Inc., New York, N. Y. Timepieces. 408,690; Aug. 29; Serial No. 453,841; published June 20, 1944. Class 26.
Johns-Manville Corporation. (See Johns-Manville, Incorporated.)
Johns-Manville, Incorporated, assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Gasketing tape. 187,675; renewed Aug. 12, 1944.
Kaesz, Stefan, doing business as American Zyloptic Co., New York, N. Y. Lenses, spectacle frames and parts therefor. 408,845; Aug. 29; Serial No. 468,757; published June 20, 1944. Class 26.
Keyes Fibre Company, Waterville, Maine. Molded pulp protective packing sheets and pads. 408,864; Aug. 29; Serial No. 469,402; published June 20, 1944. Class 50.
Kinetic Chemicals, Inc., Wilmington, Del. Monochlorodifluoromethane, being fluorinated hydrocarbons. 408,801; Aug. 29; Serial No. 467,759; published June 13, 1944. Class 6.
Koch, Fred, Brewery, Dunkirk, N. Y. Beer and ale. 408,894; Aug. 29. Class 48.
Kramer-Brandeis, Inc., New York, N. Y. Men's neckties and mufflers. 408,880; Aug. 29. Class 39.
Kresge Dept. Store Inc., Newark, N. J. Overcoats, coats, suits, etc. 408,738; Aug. 29; Serial No. 465,684; published Apr. 25, 1944. Class 39.
Kresge, S. S., Company, Detroit, Mich. Writing tablets. 408,798; Aug. 29; Serial No. 467,695; published June 20, 1944. Class 37.
Krieger, A. H., Los Angeles, Calif., to Arthur H. Krieger, New York, N. Y. Diatomaceous earth. 184,399; renewed May 20, 1944.
Krieger, Arthur H. (See Krieger, A. H.)
Lafond, Chocolatier, New York, N. Y. Candy. 408,810; Aug. 29; Serial No. 468,035; published June 20, 1944. Class 46.
Lamson & Co. Incorporated, doing business as Elmwood Farm Co., Leominster, Mass. Canned chicken, egg noodles, sandwich spread, etc. 408,874; Aug. 29. Class 46.
La Resista Corset Company, The, Bridgeport, Conn. Ladies' corsets, corselets, girdles, and combination foundation under-garments. 408,713–14; Aug. 29; Serial Nos. 461,464–5; published June 20, 1944. Class 39.
Legendre & Company. (See Legendre, J. Marion.)
Legendre, J. Marion, doing business as Legendre & Company, New Orleans, La. Rum. 408,742; Aug. 29; Serial No. 465,113; published June 13, 1944. Class 49.
Lehmann & Naegeli, New York, N. Y. Schiffli embroidered trimmings. 408,759; Aug. 29; Serial No. 466,450; published June 6, 1944. Class 40.
Leichter, Emil, New York, N. Y. Watches. 408,878; Aug. 29. Class 27.
Leron, Inc., New York, N. Y. Towels, wash cloths and bath mats. 408,867; Aug. 29; Serial No. 469,570; published June 20, 1944. Class 42.
Levin, Nathan, Pittsburgh, Pa., assignor to J. C. Penney Company, New York, N. Y. Corsets, girdles, aprons, etc. 191,017; renewed Oct. 28, 1944.
Li-Cut Live Bait Co. (See Bowen, L. R.)
Liebman, Chas. H., & Bro., Philadelphia, Pa. Men's suits and overcoats. 193,259; renewed Dec. 23, 1944.
Lilee Products Company, Chicago, Ill. Vitamin capsules. 408,831; Aug. 29; Serial No. 468,518; published June 6, 1944. Class 6.
Lindenbaum, I. D., Inc., New York, N. Y. Ladies' and girls' hats. 408,883; Aug. 29. Class 39.
Liondale Shirt Company, New York, N. Y. Men's and boys' dress, sport and negligee shirts. 408,843; Aug. 29; Serial No. 468,676; published May 30, 1944. Class 39.
Lionel Trading Co. Inc., assignor to Parfums Corday, Inc., New York, N. Y. Face powders and rouges. 187,302; renewed July 29, 1944.
Lionel Trading Co. Inc., assignor, by mesne assignments, to Parfums Corday, Inc., New York, N. Y. Perfumes. 189,508; renewed Sept. 23, 1944.
Lite Soap Company. (See Brignall, Guy E.)

Lloyd, E. D., Paper Company, Chicago, Ill. Writing paper. 185,432; renewed June 17, 1944.
Lord Jeff Knitting Company, Incorporated, New York, N. Y. Sweaters, mufflers and wristlets. 408,694; Aug. 29; Serial No. 457,096; published June 8, 1943. Class 39.
M & N Cigar Manufacturers, Inc., Cleveland, Ohio. Cigars. 408,755; Aug. 29; Serial No. 466,263; published June 20, 1944. Class 17.
Magnavox Co., The, Oakland, Calif., assignor, by mesne assignments, to The Magnavox Company, Fort Wayne, Ind. Vacuum tubes. 193,292–3; renewed Dec. 23, 1944.
Magnavox Company, The. (See Magnavox Co., The.)
Magnolia Metal Company, New York, N. Y., to Magnolia Metal Company, Elizabeth, N. J. Railroad brasses, journal-boxes and metals or alloys of metal therefor. 25,747; re-renewed Dec. 25, 1944.
Mallinckrodt, L. K., Inc. (See Wood, C. Wilson, assignor.)
Mallory Hat Company, The, Danbury, Conn. Hats. 192,606–8; renewed Dec. 9, 1944.
Mallory, P. R., & Co., Inc., Indianapolis, Ind. Copper alloy stock. 408,836; Aug. 29; Serial No. 468,618; published June 20, 1944. Class 14.
Marco Importing Co., Chicago, Ill. Whiskey. 408,832; Aug. 29; Serial No. 468,526; published June 13, 1944. Class 49.
Marvlo Fabrics, Inc., New York, N. Y. Piece goods. 408,762; Aug. 29; Serial No. 466,505; published May 9, 1944. Class 42.
Mason Blouse and Sportswear, New York, N. Y. Toddlers', girls', junior misses', and misses' playsuits, pinafores, and blouses. 408,859; Aug. 29; Serial No. 469,163; published June 6, 1944. Class 39.
Matthews, W. N., Corporation, St. Louis, Mo. Height-measuring instruments. 408,900; Aug. 29. Class 26.
Maxwell & Hitchcock, Atlanta, Ga. Metallic timber joint clips. 408,754; Aug. 29; Serial No. 466,203; published June 20, 1944. Class 13.
McCabe, Montclair, doing business as Montclair Products, Los Angeles, Calif. Brushes. 408,751; Aug. 29; Serial No. 466,095; published June 20, 1944. Class 29.
McCutcheon, James, & Company, New York, N. Y. Linen and cotton goods in the piece, tablecloths, napkins, etc. 186,424; renewed July 8, 1944.
Meeker, Lawrance A., doing business as Essex Cheese, St. Albans, Vt. Cheese. 408,881; Aug. 29. Class 46.
Melville Shoe Corporation, New York, N. Y. Men's hats. 189,169–70; renewed Sept. 16, 1944.
Mergenthaler Linotype Company, New York and Brooklyn, N. Y. Matrices. 408,875; Aug. 29. Class 50.
Meyer, H. H., Packing Company, The, Cincinnati, Ohio. Pork and pork products. 190,926; renewed Oct. 28, 1944.
Michaels, Stern & Company, Inc., Rochester, N. Y. Men's suits, vests, trousers, etc. 408,850; Aug. 29; Serial No. 468,894; published June 6, 1944. Class 39.
Mid-West Abrasive Company, Detroit, Mich. Coated abrasive papers. 408,868; Aug. 29; Serial No. 469,607; published June 20, 1944. Class 4.
Milio, Louis R., Baltimore, Md. Newspaper articles. 408,716; Aug. 29; Serial No. 461,892; published June 6, 1944. Class 38.
Mission Dry Corporation. (See Southwestern Coca-Cola Bottling Company, assignor.)
Montclair Products. (See McCabe, Montclair.)
Muffet, Mary, Inc., St. Louis, Mo. Ladies' and misses' dresses. 408,706; Aug. 29; Serial No. 459,940; published May 2, 1944. Class 39.
Mullen & Bluett, Inc., Los Angeles, Calif. Women's suits, topcoats, hats, slacks, and slack suits. 408,707; Aug. 29; Serial No. 460,378; published Dec. 21, 1943. Class 39.
Mutual Citrus Products Co. Inc., Anaheim, Calif. Powdered fruit base. 408,701; Aug. 29; Serial No. 458,634; published June 20, 1944. Class 46.
National Plastic Products Company, Odenton, Md. Curled plastic strip. 408,756; Aug. 29; Serial No. 466,352; published June 20, 1944. Class 4.
National Plastic Products Company, Odenton, Md. Plastic drawer pulls of synthetic resin. 408,757; Aug. 29; Serial No. 466,354; published June 20, 1944. Class 13.
National Plastic Products Company, Odenton, Md. Fabrics in the piece. 408,758; Aug. 29; Serial No. 466,357; published June 20, 1944. Class 42.
Neff, Grace V., Chicago, Ill. Perfumes, toilet water, and cold cream. 408,802; Aug. 29; Serial No. 467,852; published June 13, 1944. Class 6.
Neff, H. L., doing business as H. L. Neff & Co., Red Lion, Pa. Cigars. 408,844; Aug. 29; Serial No. 468,717; published June 20, 1944. Class 17.
Neff, H. L., & Co. (See Neff, H. L.)
New England Lime Company, Danbury, Conn., to New England Lime Company, Adams, Mass., successor. Building materials. 186,137; renewed July 1, 1944.
New Process Mills, Inc., New York, N. Y. Textile fabrics. 408,741; Aug. 29; Serial No. 465,954; published May 23, 1944. Class 42.
No Darn Co. (See Az-Nu Electro-Mend Co.)
Nusrala-Bowen Shoe Co., Inc., St. Louis, Mo. Shoes. 408,726; Aug. 29; Serial No. 463,151; published Apr. 25, 1944. Class 39.
Nyanza Color & Chemical Co., Inc., New York, N. Y. Dyestuffs, aniline colors, and chemicals. 408,729; Aug. 29; Serial No. 463,794; published June 6, 1944. Class 6.
Oconomowoc Canning Company, Oconomowoc, Wis. Canned vegetables. 188,704; renewed Sept. 2, 1944.
Oconomowoc Canning Company, Oconomowoc, Wis. Canned vegetables. 189,207; renewed Sept. 16, 1944.
Pacific Mills, Boston, Mass., and New York, N. Y. Woolen fabrics in the piece. 408,848; Aug. 29; Serial No. 468,850; published June 13, 1944. Class 42.
Parfums Corday, Inc. (See Lionel Trading Co. Inc., assignor.)
Penney, J. C., Company. (See Levin, Nathan, assignor.)
Phillips Brush Company. (See Hahn, Harold V.)
Phillips Roofing Co., Inc., Baltimore, Md. Asbestos asphalt roof cement, asbestos fibre plastic coating. 408,766; Aug. 29; Serial No. 466,743; published June 20, 1944. Class 12.
Pierce Renewable Fuses, Inc., Buffalo, N. Y. Electric fuses. 408,799; Aug. 29; Serial No. 467,699; published June 20, 1944. Class 21.
Pittsburgh Plate Glass Company. (See Ditzler Color Company, assignor.)
Pittsburgh Plate Glass Company of Michigan. (See Sunset Paint Company, assignor.)
Platt, Arthur I., doing business as Arthur I. Platt & Company, Fairfield, Conn. Wall tool and article holding clips. 408,803; Aug. 29; Serial No. 467,854; published June 20, 1944. Class 13.
Platt, Arthur I., & Company. (See Platt, Arthur I.)
Pochapin, Max M., New York, N. Y. Paintings, prints, water colors, etc. 408,770; Aug. 29; Serial No. 466,927; published June 13, 1944. Class 38.
Pollak, Henry, Inc., New York, N. Y. Braids for millinery. 408,722; Aug. 29; Serial No. 462,855; published June 20, 1944. Class 40.
Princeton Silk Co., New York, N. Y. Rayon piece goods. 408,740; Aug. 29; Serial No. 465,928; published May 9, 1944. Class 42.
Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 408,865; Aug. 29; Serial No. 469,510; published June 20, 1944. Class 4.
Pulitzer, Ben., New York, N. Y. Men's neckties. 408,797; Aug. 29; Serial No. 467,673; published June 20, 1944. Class 39.
Radiator Specialty Company, Charlotte, N. C. Caulking compound. 408,893; Aug. 29. Class 12.
Rainbow Shops, Inc., Brooklyn, N. Y. Bed jackets, pajamas, nightgowns, etc. 408,886; Aug. 29. Class 39.
Red Fox Orchards, assignor to Consolidated Orange Growers, Orange, Calif. Fresh citrous fruits. 193,204; renewed Dec. 23, 1944.
Reichhold Chemicals, Inc., Detroit, Mich. Synthetic plastic resins. 408,699; Aug. 29; Serial No. 458,339; published June 20, 1944. Class 1.
Rheumatkill Co., The. (See Dellaria, Guy T.)
Risvold, Anna, Chicago, Ill. Woven rugs. 408,768; Aug. 29; Serial No. 466,806; published June 6, 1944. Class 42.
Rosenbluth Brothers, New York, N. Y. Curtains. 408,723; Aug. 29; Serial No. 462,889; published June 20, 1944. Class 42.
Roth, Ernst Heinrich, Co., Inc., New York, N. Y., assignor to Scheri & Roth, Inc., Cleveland, Ohio. Violins, violas, violoncellos, etc. 191,316; renewed Nov. 14, 1944.
Rubber and Plastics Compound Co. Inc., New York, N. Y. Compound used as a base in the manufacture of rubber cement. 408,816; Aug. 29; Serial No. 468,162; published June 6, 1944. Class 6.
Rupert, Floyd J., doing business as Detona Medicine Co., Columbus, Ohio. Laxative medicinal compounds. 408,825; Aug. 29; Serial No. 468,419; published June 13, 1944. Class 6.
Russell-Newman Manufacturing Company, Denton, Tex. Women's and children's panties, vests, bloomers, etc. 408,705; Aug. 29; Serial No. 459,911; published July 6, 1943. Class 39.
Rystan Company, New York, N. Y. Therapeutic chlorophyll and chlorophyll derivatives preparations in various forms. 408,787; Aug. 29; Serial No. 467,539; published June 6, 1944. Class 6.
S & S Chemical Company, Newark, N. J. Water-repellent preparation. 408,805; Aug. 29; Serial No. 467,898; published June 6, 1944. Class 6.
St. Christopher Wine Corporation, Charlotte, N. C. Wines. 408,807; Aug. 29; Serial No. 467,900; published June 20, 1944. Class 47.
Sandler Bros. Specialties Co., Boston, Mass. Shoes. 408,702; Aug. 29; Serial No. 459,030; published May 23, 1944. Class 39.
Saniwax Paper Company, Kalamazoo, Mich. Wrapping paper. 408,719; Aug. 29; Serial No. 462,233; published June 20, 1944. Class 37.
Saunders Archery Target Co. (See Saunders, Charles A.)
Saunders, Charles A., doing business as Saunders Archery Target Co., Manilla, Iowa. Archery target butts. 408,872; Aug. 29; Serial No. 469,972; published June 20, 1944. Class 22.
Scheri & Roth, Inc. (See Roth, Ernst Heinrich, Co., Inc., assignor.)
Scheri & Roth, Inc. (See Simson & Frey, Inc., assignor.)
Schmidt, H. H., Glove Co., Inc., New York, N. Y. Gloves. 408,885; Aug. 29. Class 39.

Schnipper, Robert, Brooklyn, N. Y. Shoes. 408,892; Aug. 29. Class 39.
Schukl & Co., Inc., San Francisco, to Schukl & Co., Inc., Sunnyvale, Calif. Canned fruits. 193,202; renewed Dec. 23, 1944.
Sears, Roebuck and Co., Chicago, Ill. Crib sheets, pillowcases, quilts, etc. 408,688; Aug. 29; Serial No. 448,661; published Sept. 28, 1943. Class 42.
Sears, Roebuck and Co., Chicago, Ill. Radio power packs. 408,876; Aug. 29. Class 21.
Selby Shoe Company, The, Portsmouth, Ohio. Shoes. 408,806; Aug. 29; Serial No. 467,899; published June 6, 1944. Class 39.
Shapleigh Hardware Company, St. Louis, Mo. Fishlines. 193,320; renewed Dec. 23, 1944.
Sherwin-Williams Company, The, Cleveland, Ohio. Wallpaper. 408,720; Aug. 29; Serial No. 462,520; published June 20, 1944. Class 37.
Siatico Company. (See Collins, Robert B.)
Siegel Bros. Garment Corp., New York, N. Y. Woolen and worsted fabrics in the piece. 408,852; Aug. 29; Serial No. 468,984; published June 20, 1944. Class 42.
Silent Glow Oil Burner Corporation, The, West Hartford, to The Silent Glow Oil Burner Corporation, Hartford, Conn. Oil burners. 189,624; renewed Sept. 23, 1944.
Simonin's, C. F., Sons, Inc., Philadelphia, Pa. Corn oil. 192,897; renewed Dec. 16, 1944.
Simson & Frey, Inc., New York, N. Y., assignor to Scherl & Roth, Inc., Cleveland, Ohio. Music stand. 191,987; renewed Nov. 25, 1944.
Sinclair Refining Company, New York, N. Y. Cutting oils. 408,869; Aug. 29; Serial No. 469,704; published June 20, 1944. Class 15.
Société Anonyme Ed. Laurens "Le Khedive" Extension Belge. Brussels, Belgium. Cigarettes. 190,947; renewed Oct. 28, 1944.
Solomon Brothers Co., New York, N. Y. Outer shirts, jackets, trousers, sweaters. 408,731; Aug. 29; Serial No. 464,034; published May 30, 1944. Class 39.
Solowey, Meyer, Philadelphia, Pa. Women's and misses' dresses. 408,779; Aug. 29; Serial No. 467,255; published June 20, 1944. Class 39.
South Coast Fisheries, Inc., Terminal Island, Calif. Canned fish. 408,884; Aug. 29. Class 46.
Southern Airways, Inc., Atlanta, Ga. Publication or bulletin. 408,888; Aug. 29. Class 38.
Southwestern Coca-Cola Bottling Company, Deming, N. Mex., assignor, by mesne assignments, to Mission Dry Corporation, Los Angeles, Calif. Ginger ale. 186,453; renewed July 8, 1944.
Spear Box Company Incorporated, New York, N. Y. Folding paper and cardboard boxes. 408,827; Aug. 29; Serial No. 468,494; published June 20, 1944. Class 2.
Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electronic gryo-compasses, electronic gyropilots, electronic direction indicating instruments, etc. 408,717; Aug. 29; Serial No. 461,937; published June 20, 1944. Class 26.
Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electronic tubes. 408,728 Aug. 29; Serial No. 463,638; published June 20, 1944. Class 21.
Standard Brands Incorporated. (See Widlar Company, The, assignor.)
Standard Chemical Products, Inc., Hoboken, N. J. Chemical preparation used in the finishing of textile fibers, twisted and untwisted yarns, etc. 408,693; Aug. 29; Serial No. 455,487; published Dec. 29, 1942. Class 6.
Starr Fruit Products Co., Portland, Ore. Canned fruits, canned berries, jams, and jellies, etc. 192,618; renewed Dec. 9, 1944.
Steinam, A., Company, Inc., New York, N. Y. Cotton piece goods, rayon piece goods, etc. 408,833; Aug. 29; Serial No. 468,546; published June 20, 1944. Class 42.
Stepsoft Products Company. (See Gutterman, Silverite, Co.)
Street & Smith Publications, Inc., New York, N. Y. Magazine. 408,739; Aug. 29; Serial No. 465,854; published June 6, 1944. Class 38.
Sulqu Chemical Company, Kansas City, Mo. Remedy for indigestion, rheumatism, stomach and kidney disorders. 408,775; Aug. 29; Serial No. 467,051; published June 13, 1944. Class 6.
Sun-Maid Raisin Growers of California, Fresno, Calif. Dried raisins and dried fruits. 193,185; renewed Dec. 23, 1944.
Sunset Paint Company, Los Angeles, Calif., assignor to Pittsburgh Plate Glass Company of Michigan, Pittsburgh, Pa. Interior and exterior house paint, roof paints, paint thinners, etc. 191,760; renewed Nov. 18, 1944.
Swift and Company, Chicago, Ill. Cleansing soda compound. 187,369; renewed Aug. 5, 1944.
Swift & Company, Chicago, Ill. Bacon. 188,158; renewed Aug. 19, 1944.
Swift and Company, Chicago, Ill. Butter. 191,249; renewed Nov. 4, 1944.
Swift and Company, Chicago, Ill. Soap. 191,698; renewed Nov. 18, 1944.
Swift and Company, Chicago, Ill. Cooked tongue, cooked meat roll, sausage, picnics, and luncheon tongue. 191,867; renewed Nov. 18, 1944.
Swift and Company, Chicago, Ill. Fresh and cured pork and sausage. 192,258; renewed Dec. 2, 1944.
Swift and Company, Chicago, Ill. Sausage. 193,207; renewed Dec. 23, 1944.
Tatnall, Edward C., New York, N. Y. Reach extending match or taper holding lighters. 408,743; Aug. 29; Serial No. 465,158; published June 20, 1944. Class 34.
Terhune, Yereance & Wolff, Inc., New York, N. Y. Woolen and worsted fabrics. 408,826; Aug. 29; Serial No. 468,422; published June 13, 1944. Class 42.
Ternstedt Manufacturing Company, assignor to General Motors Corporation, Detroit, Mich. Automobile dome lights and corner lights. 193,254; renewed Dec. 23, 1944.
Tremco Manufacturing Company, The, Cleveland, Ohio. Pliable, elastic, material for coating roofs, for protecting metal surfaces, etc. 408,763; Aug. 29; Serial No. 466,557; published June 13, 1944. Class 12.
Trosept Company, The, Huntington Park, Calif. Pharmaceutical preparation. 408,783; Aug. 29; Serial No. 467,361; published June 6, 1944. Class 6.
Two Boys Fruit & Produce, Yakima, Wash. Potatoes, fresh fruits and vegetables. 408,685; Aug. 29; Serial No. 420,435; published June 20, 1944. Class 46.
Unger, Milton, Boston, Mass. Women's hats. 408,698; Aug. 29; Serial No. 458,024; published May, 2, 1944. Class 39.
Union Aircraft Products Corp., assignor to Union Aircraft Products Corp., New York, N. Y. Metal pipe fittings. 407,715; Aug. 29; Serial No. 461,580; published June 20, 1944. Class 13.
United States Shoe Corporation, The, Cincinnati, Ohio. Shoes. 408,691 Aug. 29; Serial No. 454,386; published May 2, 1944. Class 39.
Van Pelt, Charles H. C., doing business as Duvan Vital Products Co., Winter Park, Fla. Packaged citrus fruit juice for beverages. 408,890; Aug. 29, 1944. Class 45.
Walker, Wendell, Chicago, Ill. Travel booklets, and for monologues and radio broadcasts. 408,744; Aug. 29; Serial No. 465,165; published June 13, 1944. Class 38.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods, sheets, and pillow cases. 408,811; Aug. 29; Serial No. 468,055; published May 16, 1944. Class 42.
Wansco Paper Products Co. Inc., New York, N. Y. Typewriting papers, writing paper, envelopes, etc. 408,837–8; Aug. 29; Serial Nos. 468,648–9; published June 20, 1944. Class 37.
Watchemoket Optical Co. Inc., Providence, R. I. Industrial safety goggles. 408,769; Aug. 29; Serial No. 466,816; published June 20, 1944. Class 26.
Weinman Brothers, Chicago, Ill. Baskets. 408,901; Aug. 29. Class 2.
Western Auto Supply Company, Los Angeles, Calif. All types of fishing tackle. 408,870; Aug. 29; Serial No. 469,741; published June 20, 1944. Class 22.
Whiting, Harris E., doing business as Whiting Leather and Belting Company, Long Island City, to Whiting Leather & Belting Co., Incorporated, New York, N. Y., successor. Leather belting. 186,413; renewed July 8, 1944.
Whiting Leather & Belting Co., Incorporated. (See Whiting, Harris E.)
Whiting Leather and Belting Company. (See Whiting, Harris E.)
Widlar Company, The, Cleveland, Ohio, assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Sandwich spread. 192,307; renewed Dec. 2, 1944.
Wimelbacher & Rice, New York, N. Y. Ladies' fabric gloves. 408,703; Aug. 29; Serial No. 459,588; published May 23, 1944. Class 30.
Wolf's, M., Sons, Inc., Brooklyn, N. Y. Ladies' shoes. 408,879; Aug. 29. Class 39.
Wood, C. Wilson, doing business as L. K. Mallinckrodt, assignor to L. K. Mallinckrodt, Inc., Baltimore, Md. Wrapping paper, toilet paper, paper towels, etc. 408,791–3; Aug. 29; Serial Nos. 467,632–4; published June 20, 1944. Class 37.
Wood, C. Wilson, doing business as L. K. Mallinckrodt, assignor to L. K. Mallinckrodt, Inc., Baltimore, Md. Wrapping paper and waxed paper. 408,821; Aug. 29; Serial No. 468,314; published June 20, 1944. Class 37.
Zendman, L., Inc., New York, N. Y. Lace and netted fabrics in the piece. 408,794; Aug. 29; Serial No. 467,637; published May 16, 1944. Class 42.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay for use in the manufacture of paper, rubber, and ceramics. Georgia Kaolin Company. 408,696; Aug. 29; Serial No. 457,436; published June 20, 1944.
Earth, Diatomaceous. A. H. Krieger. 184,399; renewed May 20, 1944.
Resins, Synthetic plastic. Reichhold Chemicals, Inc. 408,699; Aug. 29; Serial No. 458,339; published June 20, 1944.

CLASS 2

Baskets. Weinman Brothers. 408,901; Aug. 29.
Boxes and fiber drums, Folding paper. Climax Manufacturing Company. 186,148; renewed July 1, 1944.
Boxes, Folding paper and cardboard. Spear Box Company Incorporated. 408,827; Aug. 29; Serial No. 468,494; published June 20, 1944.

CLASS 4

Abrasive papers, Coated. Mid-West Abrasive Company. 408,868; Aug. 29; Serial No. 469,607; published June 20, 1944.
Cleaner. J N T Mfg. Company Inc. 408,752; Aug. 29; Serial No. 466,162; published June 20, 1944.
Plastic strip, Curled. National Plastic Products Company. 408,756; Aug. 29; Serial No. 466,352; published June 20, 1944.
Soap. Procter & Gamble Company. 408,865; Aug. 29; Serial No. 469,510; published June 20, 1944.
Soap. Swift and Company. 191,698; renewed Nov. 18, 1944.
Soap, Household. G. E. Brignall. 408,861; Aug. 29; Serial No. 469,243; published June 20, 1944.

CLASS 5

Adhesives. Firestone Tire & Rubber Company. 408,818–19; Aug. 29; Serial Nos. 468,249–50; published June 20, 1944.
Protein material. Corn Products Refining Company. 408,871; Aug. 29; Serial No. 469,806; published June 20, 1944.

CLASS 6

Chemical composition for spray purposes and for spraying furs, garments, etc. Destruxol Corporation, Ltd. 408,686; Aug. 29; Serial No. 443,755; published Nov. 4, 1941.
Chemical preparation used in the finishing of textile fibers, twisted and untwisted yarns, etc. Standard Chemical Products, Inc. 408,693; Aug. 29; Serial No. 455,487; published Dec. 29, 1942.
Cleansing soda compound. Swift and Company. 187,369; renewed Aug. 5, 1944.
Combination of desiccated hypophysis cerebri and epinephrin in physiological salt solution and containing chlorbutanol (chlor. der.). Drug Products Co. Inc. 188,686; renewed Sept. 2, 1944.
Compound used as a base in the manufacture of rubber cement. Rubber and Plastics Compound Co. Inc. 408,816; Aug. 29; Serial No. 468,162; published June 6, 1944.
Dyestuffs, aniline colors, and chemicals. Nyanza Color & Chemical Co. 408,729; Aug. 29; Serial No. 463,794; published June 6, 1944.
Hair grower. W. M. Boston. 408,823; Aug. 29; Serial No. 468,336; published June 13, 1944.
Laxative medicinal compounds. F. J. Rupert. 408,825; Aug. 29; Serial No. 468,419; published June 13, 1944.
Liniment. G. T. Dellaria. 408,718; Aug. 29; Serial No. 462,179; published June 6, 1944.
Liniment. E. J. Eddy. 408,817; Aug. 29; Serial No. 468,233; published June 13, 1944.
Lipstick. Henri Bendel, Inc. 408,858; Aug. 29; Serial No. 469,144; published June 6, 1944.
Lipsticks and dry cake rouge. House of Westmore, Inc. 408,708; Aug. 29; Serial No. 460,402; published July 20, 1943.
Medicinal preparation. R. B. Collins. 408,898; Aug. 29.
Monochlorodifluoromethane, being fluorinated hydrocarbons. Kinetic Chemicals, Inc. 408,801; Aug. 29; Serial No. 467,759; published June 13, 1944.
Ointment, Antiseptic, bactericidal, and fungicidal. Ciba Pharmaceutical Products, Inc. 408,828; Aug. 29; Serial No. 468,502; published June 6, 1944.
Perfumes. Lionel Trading Co. Inc. 189,508; renewed Sept. 23, 1944.
Perfumes, toilet water and cold cream. G. V. Neff. 408,802; Aug. 29; Serial No. 467,852; published June 13, 1944.
Pharmaceutical preparation. Trosept Company. 408,783; Aug. 29; Serial No. 467,361; published June 6, 1944.
Pharmaceutical preparations. Biochemical Products Corporation. 408,785; Aug. 29; Serial No. 467,444; published June 13, 1944.
Powders and rouges, Face. Lionel Trading Co. Inc. 187,302; renewed July 29, 1944.
Preparations for use in the dressing, care, and treatment of the hair. County Perfumery Company. 408,839; Aug. 29; Serial No. 468,664; published June 13, 1944.
Remedy for indigestion, rheumatism, stomach and kidney disorders. Sulqu Chemical Company. 408,775; Aug. 29; Serial No. 467,051; published June 13, 1944.
Rouge, dry rouge and lipstick, Cream. R. Hudnut. 408,747; Aug. 29; Serial No. 465,478; published Feb. 15, 1944.
Starch and salt, Gloss. Envey Company. 187,398; renewed Aug. 5, 1944.
Tablets, Uncoated pulverous. Drug Products Co. Inc. 188,687; renewed Sept. 2, 1944.
Therapeutic chlorophyll and chlorophyll derivatives preparations in various forms. Rystan Company. 408,787; Aug. 29; Serial No. 467,539; published June 6, 1944.
Tooth-powder. Acme Laboratories, Inc. 408,882; Aug. 29.
Vitamin capsules. Lilee Products Company. 408,831; Aug. 29; Serial No. 468,518; published June 6, 1944.
Water-repellent preparation. S & S Chemical Company. 408,805; Aug. 29; Serial No. 467,898; published June 6, 1944.

CLASS 9

Pistols. Colt's Patent Fire Arms Manufacturing Company. 408,712; Aug. 29; Serial No. 461,014; published June 20, 1944.

CLASS 10

Fertilizers. Fidelity Chemical Corporation. 408,834; Aug. 29; Serial No. 468,561; published June 20, 1944.

CLASS 12

Building materials. New England Lime Company. 186,137; renewed July 1, 1944.
Caulking compound. Radiator Specialty Company. 408,893; Aug. 29.
Cement, asbestos fibre plastic coating, Asbestos asphalt roof. Phillips Roofing Co., Inc. 408,766; Aug. 29; Serial No. 466,743; published June 20, 1944.
Material for coating roofs, for protecting metal surfaces, etc., Pliable, elastic. Tremco Manufacturing Company. 408,763; Aug. 29; Serial No. 466,557; published June 13, 1944.
Treads, stair landings, slabs, etc., Blue stone. American Blue Stone Co. 192,966; renewed Dec. 16, 1944.

CLASS 13

Clips, Metallic timber joint. Maxwell & Hitchcock. 408,754; Aug. 29; Serial No. 466,203; published June 20, 1944.
Pipe fittings, Metal. Union Aircraft Products Corp. 408,715; Aug. 29; Serial No. 461,580; published June 20, 1944.
Plastic drawer pulls of synthetic resin. National Plastic Products Company. 408,757; Aug. 29; Serial No. 466,354; published June 20, 1944.
Screws, nuts, bolts, etc. Central Screw Company. 408,753; Aug. 29; Serial No. 466,192; published June 20, 1944.
Tool and article holding clips, Wall. A. I. Platt. 408,803; Aug. 29; Serial No. 467,854; published June 20, 1944.
Valves, Hydraulic control. Adel Precision Products Corp. 408,710; Aug. 29; Serial No. 460,512; published June 13, 1944.

CLASS 14

Brasses, journal-boxes and metals or alloys of metal therefor, Railroad. Magnolia Metal Company. 25,747; renewed Dec. 25, 1944.
Castings. Buffalo Foundry & Machine Co. 408,772; Aug. 29; Serial No. 466,974; published June 20, 1944.
Copper alloy stock. P. R. Mallory & Co. 408,836; Aug. 29; Serial No. 468,618; published June 20, 1944.

CLASS 15

Oils, Cutting. Sinclair Refining Company. 408 869; Aug. 29; Serial No. 469,704; published June 20, 1944.

CLASS 16

Finish in the nature of a paint. Ditzler Color Company. 190,845; renewed Oct. 28, 1944.
Paint, roof paints, paint thinners, etc., Interior and exterior house. Sunset Paint Company. 191,760; renewed Nov. 18, 1944.
Paints, Ready-mixed. Arnesto Paint Co., Inc. 193,339; renewed Dec. 23, 1944.
Varnish. Great Lakes Varnish Works. 408,849; Aug. 29; Serial No. 468,886; published June 20, 1944.

CLASS 17

Cigarettes. Société Anonyme Ed. Laurens "Le Khedive" Extension Belge. 190,947; renewed Oct. 28, 1944.
Cigars. M & N Cigar Manufacturers, Inc. 408,755; Aug. 29; Serial No. 466,263; published June 20, 1944.
Cigars. H. L. Neff. 408,844; Aug. 29; Serial No. 468,717; published June 20, 1944.

CLASS 19

Railroad brasses, journal-boxes and metals or alloys of metal therefor. Magnolia Metal Company. 25,747; re-renewed Dec. 26, 1944.

CLASS 21

Attenuators, Variable. A. C. Davis. 408,822; Aug. 29; Serial No. 468,319; published June 20, 1944.
Automobile dome lights and corner lights. Ternstedt Manufacturing Company. 193,254; renewed Dec. 23, 1944.
Electric automatic stokers. Domestic Stoker Company. 188,711; renewed Sept. 2, 1944.
Electric lamps and electroliers. Gorham Manufacturing Company. 193,167; renewed Dec. 23, 1944.
Electric-lighting fixtures and parts thereof. Globe Lighting Fixture Mfg. Company. 193,257; renewed Dec. 23, 1944.
Electrical machines and apparatus. Electric Machinery Mfg. Company. 408,777–8; Aug. 29; Serial Nos. 467,123–4; published June 20, 1944.
Etching machines, etc., Electric arc. George Gorton Machine Company. 408,730; Aug. 29; Serial No. 463,997; published June 20, 1944.
Fuses, Electric. Pierce Renewable Fuses, Inc. 408,799; Aug. 29; Serial No. 467,699; published June 20, 1944.
Radio power packs. Sears, Roebuck and Co. 408,876; Aug. 29.
Radio receiving, detecting, and transmitting sets and parts thereof, crystal receiving sets. Columbia Phonograph Company. 191,632; renewed Nov. 11, 1944.
Radio receiving, detecting, and transmitting sets and parts thereof, crystal receiving sets, etc. Columbia Phonograph Company. 191,603; renewed Nov. 11, 1944.
Tubes, Electronic. Sperry Gyroscope Company. 408,728; Aug. 29; Serial No. 463,638; published June 20, 1944.
Tubes, Vacuum. Magnavox Co. 193,292–3; renewed Dec. 23 1944.

CLASS 22

Archery target butts. C. A. Saunders. 408,872; Aug. 29; Serial No. 469,972; published June 20, 1944.
Bait, Fish. L. R. Bowen. 408,824; Aug. 29; Serial No. 468,372; published June 20, 1944.
Fishlines. Shapleigh Hardware Company. 193,320; renewed Dec. 23, 1944.
Fishing tackle. All types of. Western Auto Supply Company. 408,870; Aug. 29; Serial No. 469,741; published June 20, 1944.
Football covers. Jabez Cliff & Company Limited. 193,322; renewed Dec. 23, 1944.

CLASS 23

Chucks. Cushman Chuck Company. 193,088; renewed Dec. 16, 1944.
Taps and dies. John Bath & Company. 192,947; renewed Dec. 16 1944.

CLASS 25

Seals for fire extinguishers, Safety. F. Fredriksen. 408,774; Aug. 29; Serial No. 467,029; published June 20, 1944.

CLASS 26

Chromoscopes and viewing boxes. Chromat-O-Scope Company. 408,809; Aug. 29; Serial No. 467,998; published June 20, 1944.
Gages. City Engineering Company. 408,820; Aug. 29; Serial No. 466,429; published June 27, 1944.
Goggles, Industrial safety. Watchemoket Optical Co. Inc. 408,769; Aug. 29; Serial No. 466,816; published June 20, 1944.
Gyro-compasses, electronic gyropilots, electronic direction indicating instruments, Electronic, etc. Sperry Gyroscope Company. 408,717; Aug. 29; Serial No. 461,937; published June 20, 1944.
Height-measuring instruments. W. N. Matthews Corporation. 408,900; Aug. 29.
Lenses, spectacle frames and parts therefor. S. Kaesz. 408,845; Aug. 29; Serial No. 468,757; published June 20, 1944.
Timepieces. Jaeger Watch Company. 408,690; Aug. 29; Serial No. 453,841; published June 20, 1944.

CLASS 27

Timers, Milking. E. J. Gengler. 408,877; Aug. 29.
Watches. E. Leichter. 408,878; Aug. 29.

CLASS 28

Jewelry. Deesy Jewelers, Inc. 408,784; Aug. 29; Serial No. 467,428; published June 20, 1944.
Rings, Wedding. Alfred Humbert & Son. 193,226–7; renewed Dec. 23, 1944.

CLASS 29

Brushes. M. McCabe. 408,751; Aug. 29; Serial No. 466,095; published June 20, 1944.

CLASS 31

Filters. Infilco Incorporated. 408,873; Aug. 29; Serial No. 470,030; published June 20, 1944.

CLASS 34

Burners, Oil. Silent Glow Oil Burner Corporation. 189,624; renewed Sept. 23, 1944.
Glass lamp panels and screens, globes, lenses and reflectors, etc. Holophane Company. 408,700; Aug. 29; Serial No. 458,493; published June 13, 1944.
Lighters. E. C. Tatnall. 408,743; Aug. 29; Serial No. 465,158; published June 21, 1944.

CLASS 35

Belting, Leather. H. E. Whiting. 186,413; renewed July 8, 1944.
Belting, Power transmission. Browning Manufacturing Co. 408,889; Aug. 29.
Tape, Gasketing. Johns-Manville, Incorporated. 187,675; renewed Aug. 12, 1944.

CLASS 36

Accordions. C. Bruno & Son, Inc. 193,191; renewed Dec. 23, 1944.
Banjos. C. Bruno & Son, Inc. 193,288; renewed Dec. 23, 1944.
Harmonicas, Mouth. M. Hohner, Inc. 193,212–20; renewed Dec. 23 1944.
Stands, Music. Simson & Frey, Inc. 191,987; renewed Nov. 25, 1944.
Violins, violas, violoncellos, etc. Ernst Heinrich Roth Co. 191,316; renewed Nov. 4, 1944.

CLASS 37

Paper and waxed paper, Wrapping. C. W. Wood. 408,821; Aug. 29; Serial No. 468,314; published June 20, 1944.
Paper, toilet paper, paper towels, etc., Wrapping. C. W. Wood. 408,791–3; Aug. 29; Serial Nos. 467,632–4; published June 20, 1944.
Paper, Wrapping. Saniwax Paper Company. 408,719; Aug. 29; Serial No. 462,233; published June 20, 1944.
Paper, Writing. E. E. Lloyd Paper Company. 185,432; renewed June 17, 1944.
Paper, Writing and printing. Brooks Bank Note Company. 408,699; Aug. 29.
Papers, writing paper, envelopes, etc. Typewriting. Wansco Paper Products Co. Inc. 408,837–8; Aug. 29; Serial Nos. 468,648–9; published June 20, 1944.
Tablets, Writing. S. S. Kresge Company. 408,798; Aug. 29; Serial No. 467,695; published June 20, 1944.
Wallpaper. Sherwin-Williams Company. 408,720; Aug. 29; Serial No. 462,520; published June 20, 1944.

CLASS 38

Booklets, and for monologues and radio broadcasts, Travel. W. Walker. 408,744; Aug. 29; Serial No. 465,165; published June 13, 1944.
Books, booklets, and children's encyclopedia. Grolier Society Inc. 408,804; Aug. 29; Serial No. 467,886; published June 13, 1944.
Calendars. Fort Wayne Printing Company. 408,863; Aug. 29; Serial No. 469,392; published June 13, 1944.
Labels, Lithographed and printed. L. J. Daneluzzi. 408,724; Aug. 29; Serial No. 462,908; published June 6, 1944.
Magazine. Hercules Powder Company. 408,732; Aug. 29; Serial No. 464,970; published Jan. 11, 1944.
Magazine. Street & Smith Publications, Inc. 408,739; Aug. 29; Serial No. 465,854; published June 6, 1944.
Magazine column. F-R Publishing Corporation. 408,829; Aug. 29; Serial No. 468,506; published June 13, 1944.
Magazine column. F-R Publishing Corporation. 408,830; Aug. 29; Serial No. 468,510; published May 30, 1944.
Newspaper articles. L. R. Millo. 408,716; Aug. 29; Serial No. 461,892; published June 6, 1944.
Newspaper column. Christian Science Publishing Society. 408,860; Aug. 29; Serial No. 469,222; published May 30, 1944.
Paintings, prints, water colors. M. M. Pochapin. 408,770; Aug. 29; Serial No. 466,927; published June 13, 1944.
Periodical appearing at irregular intervals, Section of a. Distribution and Warehousing Publications, Inc. 408,736; Aug. 29; Serial No. 464,813; published June 6, 1944.
Periodical, Pictorial humorous. R. Harrison. 408,847; Aug. 29; Serial No. 468,796; published June 13, 1944.
Photocopies of articles and news items. W. Gill. 408,891; Aug. 29.
Publication, Monthly. Christian Science Publishing Society. 408,862; Aug. 29; Serial No. 469,247; published June 20, 1944.
Publication, News and literary. Delta Tau Delta Fraternity. 188,826; renewed Sept. 2, 1944.
Publication or bulletin. Southern Airways, Inc. 408,888; Aug. 29.
Publication, Periodic. B. M. Bedney. 188,842; renewed Sept. 2, 1944.
Publications, Periodical. Cemetery Legal Compass. 408,853; Aug. 29; Serial No. 469,003; published June 13, 1944.

CLASS 39

Belts, collar and cuff sets, costumes, etc., Garment. Indian Arts and Crafts Board. 408,776; Aug. 29; Serial No. 467,084; published May 9, 1944.
Belts for ordinary wear, Leather garment. J. R. Craighead. 408,689; Aug. 29; Serial No. 450,133; published Apr. 25, 1944.
Blouses; neckwear—i. e., scarfs; handkerchiefs, etc., Women's and misses'. Bonwit Teller, Inc. 408,709; Aug. 29; Serial No. 460,468; published June 20, 1944.
Boots, shoes, and slippers. W. B. Coon Co. 192,585; renewed Dec. 9, 1944.
Coats and shirts, Ladies' and misses. Barkin, Levin & Co. Inc. 408,745; Aug. 29; Serial No. 465,175; published Feb. 29, 1944.
Coats, fur scarfs, fur-trimmed coats, etc., Women's and misses. J. E. Blatchford. 408,727; Aug. 29; Serial No. 463,412; published May 23, 1944.
Collars and outer shirts. Cluett, Peabody & Co. 408,695; Aug. 29; Serial No. 457,432; published Apr. 25, 1944.
Corsets, corselets, girdles, and combination foundation under-garments, Ladies'. La Resista Corset Company. 408,712–14; Aug. 29; Serial Nos. 461,464–5; published June 20, 1944.
Corsets, girdles, aprons, etc. N. Levin. 191,017; renewed Oct. 28, 1944.
Dresses, blouses, handkerchiefs, and scarfs, Infants' and children's. C. G. de Nido. 408,800; Aug. 29; Serial No. 467,753; published May 2, 1943.
Dresses, Ladies' and misses'. Mary Muffett, Inc. 408,706; Aug. 29; Serial No. 459,940; published May 2, 1944.
Dresses, Ladies' and misses'. Hyman Bros. 408,855; Aug. 29; Serial No. 469,049; published June 6, 1944.
Dresses, Women's and misses'. M. Solowey. 408,779; Aug. 29; Serial No. 467,255; published June 20, 1944.
Garments made of fur, Ladies'. Fromm Bros., Inc. 408,687; Aug. 29; Serial No. 444,868; published Nov. 16, 1943.
Gloves. Glove Corporation. 408,854; Aug. 29; Serial No. 469,046; published June 20, 1944.
Gloves. H. H. Schmidt Glove Co. 408,885; Aug. 29.
Gloves, Ladies' fabric. Wimelbacher & Rice. 408,703; Aug. 29; Serial No. 459,588; published May 23, 1944.
Hats. Mallory Hat Company. 192,606–8; renewed Dec. 9, 1944.
Hats, Ladies' and girls'. I. D. Lindenbaum, Inc. 408,883; Aug. 29.
Hats, Men's. Melville Shoe Corporation. 189,169–70; renewed Sept. 16, 1944.
Hats, Women's. M. Unger. 408,698; Aug. 29; Serial No. 458,024; published May 2, 1944.
Heel cushions, insoles, stocking protectors, etc. Silverite Gutterman Co. 408,879; Aug. 29.
Heels, soles, and half soles of rubber. B. F. Goodrich Company. 408,746; Aug. 29; Serial No. 465,319; published Apr. 25, 1944.
Hosiery. James P. Grey & Co. 192,005; renewed Nov. 25, 1944.
Hosiery, Men's and ladies'. H. A. Astlett & Co. 408,857; Aug. 29; Serial No. 469,112; published June 6, 1944.
Jackets, pajamas, nightgowns, etc., Bed. Rainbow Shops, Inc. 408,886; Aug. 29.
Linen and cotton goods in the piece, tablecloths, napkins, etc. James McCutcheon & Company. 186,424; renewed July 8, 1944.
Neckties and mufflers, Men's. Kramer-Brandeis, Inc. 408,880; Aug. 29.
Neckties, Men's. B. Pulitzer. 408,797; Aug. 29; Serial No. 467,673; published June 20, 1944.
Overcoats, coats, suits, etc. Kresge Dept. Store Inc. 408,738; Aug. 29; Serial No. 465,684; published Apr. 25, 1944.
Panties, vests, bloomers, etc., Women's and children's. Russell-Newman Manufacturing Company. 408,705; Aug. 29; Serial No. 459,911; published July 6, 1943.
Pants, bibs, booties, etc., Baby. Binky Baby Products Company. 408,815; Aug. 29; Serial No. 468,105; published June 20, 1944.
Playsuits, pinafores, and blouses, Toddlers', girls', junior misses'. Mason Blouse and Sportswear. 408,859; Aug. 29; Serial No. 469,163; published June 6, 1944.
Scarves and fascinators. Brian Fabrics Corporation. 408,835; Aug. 29; Serial No. 468,592; published June 20, 1944.
Shirts, jackets, trousers, sweaters, Outer. Solomon Brothers Co. 408,731; Aug. 29; Serial No. 464,034; published May 30, 1944.
Shirts, Men's and boys' dress, sport and negligee. Llondale Shirt Company. 408,843; Aug. 29; Serial No. 468,676; published May 30, 1944.
Shoes. Field & Flint Co. 192,168; renewed Nov. 25, 1944.
Shoes. Nusrala-Bowen Shoe Co. 408,726; Aug. 29; Serial No. 463,151; published Apr. 25, 1944.
Shoes. Sandler Bros. Specialties Co. 408,702; Aug. 29; Serial No. 459,030; published May 23, 1944.
Shoes. R. Schnipper. 408,892; Aug. 29.
Shoes. Selby Shoe Company. 408,806; Aug. 29; Serial No. 467,899; published June 6, 1944.
Shoes. United States Shoe Corporation. 408,691; Aug. 29; Serial No. 454,386; published May 2, 1944.
Shoes, Ladies'. M. Wolf's Sons, Inc. 408,897; Aug. 29.
Suits and overcoats, Men's. Chas. H. Liebman & Bro. 193,259; renewed Dec. 23, 1944.
Suits, dresses, skirts, etc., Ladies', misses', and girls'. Julius Garfinckel & Co., Incorporated. 408,767; Aug. 29; Serial No. 466,788; published Apr. 25, 1944.
Suits, topcoats, hats, slacks, and slack suits, Women's. Mullen & Bluett, Inc. 408,707; Aug. 29; Serial No. 460,378; published Dec. 21, 1943.
Suits, vests, trousers, etc., Men's. Michaels, Stern & Company. 408,850; Aug. 29; Serial No. 468,894; published June 6, 1944.
Sweaters, mufflers, and wristlets. Lord Jeff Knitting Company. 408,694; Aug. 29; Serial No. 457,096; published June 8, 1943.
Wearing apparel. Cluett, Peabody & Co. 408,780; Aug. 29; Serial No. 467,268; published June 20, 1944.

CLASS 40

Braids for millinery. Henry Pollak, Inc. 408,722; Aug. 29; Serial No. 462,855; published June 20, 1944.
Buttons. Great Lakes Button Co. Inc. 408,786; Aug. 29; Serial No. 467,523; published June 20, 1944.
Cloth patches. As-Nu Electro-Mend Co. 408,896; Aug. 29.
Combs, Coiffure. Diadem, Inc. 408,840–2; Aug. 29; Serial Nos. 468,666–8; published June 20, 1944.
Combs, Coiffure. H. V. Hahn. 408,846; Aug. 29; Serial No. 468,795; published June 20, 1944.
Plackets, Made-up. David Crystal, Inc. 408,887; Aug. 29.
Trimmings, Schiffli embroidered. Lehmann & Naegeli. 408,759; Aug. 29; Serial No. 466,450; published June 6, 1944.

CLASS 42

Blankets and blanketing cloths, Woolen. Botany Worsted Mills. 408,737; Aug. 29; Serial No. 465,523; published Feb. 8, 1944.
Cotton piece goods. B. V. D. Corporation. 408,765; Aug. 29; Serial No. 466,687; published May 23, 1944.
Cotton piece goods. B. V. D. Corporation. 408,771; Aug. 29; Serial No. 466,968; published Apr. 25, 1944.
Cotton piece goods, rayon piece goods, etc. A. Steinam Company, Inc. 408,833; Aug. 29; Serial No. 468,546; published June 20, 1944.
Cotton piece goods, sheets and pillow cases. Wamsutta Mills. 408,811; Aug. 29; Serial No. 468,055; published May 16, 1944.
Curtains. Rosenbluth Brothers. 408,723; Aug. 29; Serial No. 462,889; published June 20, 1944.
Fabrics and piece goods. Brand & Oppenheimer, Incorporated. 408,814; Aug. 29; Serial No. 468,064; published June 20, 1944.
Fabrics in the piece. National Plastic Products Company. 408,758; Aug. 29; Serial No. 466,357; published June 20, 1944.
Fabrics in the piece, Textile. Crown Fabrics Corporation. 408,795; Aug. 29; Serial No. 467,649; published May 16, 1944.
Fabrics in the piece, Textile. Everfast Fabrics, Inc. 408,789; Aug. 29; Serial No. 467,603; published May 16, 1944.
Fabrics in the piece, Textile. Everfast Fabrics, Inc. 408,796; Aug. 29; Serial No. 467,659; published May 16, 1944.
Fabrics in the piece, Woolen and worsted. Siegel Bros. Garment Corp. 408,852; Aug. 29; Serial No. 468,984; published June 20, 1944.
Fabrics in the piece, Woven, knitted, netted, textile, and pile. Cheney Brothers. 192,254; renewed Dec. 2, 1944.
Fabrics, Textile. Crest Fabrics Corp. 408,788; Aug. 29; Serial No. 467,594; published May 9, 1944.
Fabrics, Textile. Everfast Fabrics, Inc. 408,790; Aug. 29; Serial No. 467,605; published May 23, 1944.
Fabrics, Textile. Everfast Fabrics, Inc. 408,808; Aug. 29; Serial No. 467,917; published May 23, 1944.
Fabrics, Textile. New Process Mills, Inc. 408,741; Aug. 29; Serial No. 465,954; published May 23, 1944.
Fabrics, Woolen and worsted. Terhune, Yereance & Wolff, Inc. 408,826; Aug. 29; Serial No. 468,422; published June 13, 1944.
Lace and netted fabrics in the piece. I. Zendman, Inc. 408,794; Aug. 29; Serial No. 467,637; published May 16, 1944.
Laces in the piece, and shiffli embroidered medallions, Shiffli embroidered. Associated Lace Corporation. 408,764; Aug. 29; Serial No. 466,665; published May 9, 1944.
Linen and cotton goods in the piece, tablecloths, napkins, etc. James McCutcheon & Company. 186,424; renewed July 8, 1944.
Piece goods. Celanese Corporation of America. 408,692; Aug. 29; Serial No. 455,172; published Apr. 25, 1944.
Piece goods. Cluett, Peabody & Co. 408,781; Aug. 29; Serial No. 467,269; published May 23, 1944.
Piece goods. J. Emsley & Company Limited. 408,725; Aug. 29; Serial No. 463,067; published May 9, 1944.
Piece goods. R. P. Hoffman. 408,851; Aug. 29; Serial No. 468,920; published June 20, 1944.
Piece goods. Marvlo Fabrics, Inc. 408,762; Aug. 29; Serial No. 466,505; published May 9, 1944.

Piece goods of cotton, and mixtures of cotton and rayon, etc. Freund, Freund & Co. 408,734–5; Aug. 29; Serial Nos. 464,648–9; published Feb. 22, 1944.
Piece goods of cotton, rayon, and/or silk. Cohn-Hall-Marx Co. 408,711; Aug. 29; Serial No. 460,733; published Jan. 18, 1944.
Rayon piece goods. Princeton Silk Co. 408,740; Aug. 29; Serial No. 465,928; published May 9, 1944.
Rugs. A. Risvold. 408,768; Aug. 29; Serial No. 466,806; published June 6, 1944.
Sheets, pillowcases, quilts, etc., Crib. Sears, Roebuck and Co. 408,688; Aug. 29; Serial No. 448,661; published Sept. 28, 1943.
Textile fabrics in the piece. Crown Fabrics Corporation. 408,733; Aug. 29; Serial No. 464,159; published Apr. 25, 1944.
Towels, wash cloths, and bath mats. Leron, Inc. 408,867; Aug. 29; Serial No. 469,570; published June 20, 1944.
Tubing, Knitted cotton. Adler Co. 408,812; Aug. 29; Serial No. 468,059; published May 23, 1944.
Woolen fabrics in the piece. Pacific Mills. 408,848; Aug. 29; Serial No. 468,850; published June 13, 1944.
Woolen piece goods. Botany Worsted Mills. 408,813; Aug. 29; Serial No. 468,062; published June 20, 1944.
Woolen piece goods. Hayward-Schuster Co. 408,773; Aug. 29; Serial No. 466,987; published May 2, 1944.
Woolen piece goods. Hayward-Schuster Co. 408,895; Aug. 29.

CLASS 45

Beverages, Nonalcoholic. Idris Ltd. 408,721; Aug. 29; Serial No. 462,797; published June 13, 1944.
Fruit juice for beverages, Packaged citrus. C. H. C. Van Pelt. 408,890; Aug. 29.
Ginger ale. Southwestern Coca-Cola Bottling Company. 186,453; renewed July 8, 1944.

CLASS 46

Bacon. Swift and Company. 188,158; renewed Aug. 19, 1944.
Butter. Swift and Company. 191,249; renewed Nov. 4, 1944.
Candy. Lafond Chocolatier. 408,810; Aug. 29; Serial No. 468,035; published June 20, 1944.
Canned and preserved fish. I. Epstein. 191,473; renewed Nov. 11, 1944.
Canned chicken, egg noodles, sandwich spread, etc. Lamson & Co. Incorporated. 408,874; Aug. 29.
Canned fish. South Coast Fisheries, Inc. 408,884; Aug. 29.
Canned fruits. Schukl & Co., Inc. 193,202; renewed Dec. 23, 1944.
Canned fruits, canned berries, jams and jellies, etc. Starr Fruit Products Co. 192,618; renewed Dec. 9, 1944.
Canned vegetables. Oconomowoc Canning Company. 188,704; renewed Sept. 2, 1944.
Canned vegetables. Oconomowoc Canning Company. 189,207; renewed Sept. 16, 1944.
Cheese. L. A. Meeker. 408,881; Aug. 29.
Chile con carne, corned beef hash. Anglo-American Packing Corp. 408,782; Aug. 29; Serial No. 467,306; published June 20, 1944.
Coffee, breakfast cereals, canned milk, etc. Eavey Co. 187,962; renewed Aug. 12, 1944.
Fruit base, Powdered. Mutual Citrus Products Co. Inc. 408,701; Aug. 29; Serial No. 458,634; published June 20, 1944.
Fruits, Fresh citrous. Red Fox Orchards. 193,204; renewed Dec. 23, 1944.
Gloss starch and salt. Eavey Company. 187,398; renewed Aug. 5, 1944.
Grapes, Fresh. O. H. Churchill Co. 192,862; renewed Dec. 16, 1944.
Honey, bottled olives, pancake syrup, etc. Max Ams, Inc. 408,856; Aug. 29; Serial No. 469,103; published June 20, 1944.
Milk, Evaporated. Defiance Dairy Products Company. 187,904; renewed Aug. 12, 1944.
Nuts: Bettman Nut Co. 193,232; renewed Dec. 23, 1944.
Oil, Corn. C. F. Simonin's Sons, Inc. 192,897; renewed Dec. 16, 1944.
Pork and pork products. H. H. Meyer Packing Company. 190,926; renewed Oct. 28, 1944.
Pork and sausage, Fresh and cured. Swift and Company. 192,258; renewed Dec. 2, 1944.
Potatoes, fresh fruits, and vegetables. Two Boys Fruit & Produce. 408,685; Aug. 29; Serial No. 420,435; published June 20, 1944.
Raisins and dried fruit, Dried. Sun-Maid Raisin Growers of California. 193,185; renewed Dec. 23, 1944.
Sandwich spread. Widlar Company. 192,307; renewed Dec. 2, 1944.
Sausage. Swift and Company. 193,207; renewed Dec. 23, 1944.
Tongue, cooked meat roll, sausage, picnics, and luncheon tongue, Cooked. Swift and Company. 191,867; renewed Nov. 18, 1944.
Vegetables and melons, Fresh. W. M. Heyman. 408,697; Aug. 29; Serial No. 457,974; published June 20, 1944.
Vegetables and melons, Fresh. Eaton-Tomlinson Co. 408,866; Aug. 29; Serial No. 469,558; published June 20, 1944.

CLASS 47

Sherry. R. U. Delapenha & Co. Inc. 408,761; Aug. 29; Serial No. 466,482; published June 13, 1944.
Wines. St. Christopher Wine Corporation. 408,807; Aug. 29; Serial No. 467,900; published June 20, 1944.

CLASS 48

Beer and ale. Fred Koch Brewery. 408,894; Aug. 29.

CLASS 49

Rum. J. M. Legendre. 408,742; Aug. 29; Serial No. 465,113; published June 13, 1944.
Whiskey. Dillinger Distilleries, Inc. 408,704; Aug. 29; Serial No. 459,902; published June 13, 1944.
Whiskey. Imperial Importers, Inc. 408,748–50; Aug. 29; Serial Nos. 466,042–4; published June 13, 1944.
Whiskey. Marco Importing Co. 408,832; Aug. 29; Serial No. 468,526; published June 13, 1944.

CLASS 50

Matrices. Mergenthaler Linotype Company. 408,875; Aug. 29.
Packing sheets and pads, Molded pulp protective. Keyes Fibre Company. 408,864; Aug. 29; Serial No. 469,402; published June 20, 1944.
Soil testing set. American Soil Products Co. 408,760; Aug. 29; Serial No. 466,474; published June 20, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. Re. 22,536; Aug. 29.
Dreyer, John F., Jr., Oceanside, N. Y., assignor to Radio Corporation of America. Automatic volume control circuits. Re. 22,537; Aug. 29.
Kautz, Frederick, Philadelphia, Pa. Shelf bracket support for adjustable and releasable shelving. Re. 22,538; Aug. 29.
Radio Corporation of America. (See Dreyer, John F., Jr., assignor.)
Sullivan Machinery Company. (See Curtis, John C., assignor.)

LIST OF DESIGN PATENTEES

Adams, Wilbur H., Millcreek Township, Erie County, Pa. Support for toilet accessories or the like. 138,619; Aug. 29.
Annable, Oliver S., Brooklyn, N. Y., assignor of one-half to Spotswood Specialty Company, Inc., Lexington, Ky., Toy commando tommy gun. 138,667; Aug. 29.
Baker, Abraham M., Providence, R. I. Manicuring device or similar article. 138,640; Aug. 29.
Baker, Samuel H., Brockton, Mass. Cap. 138,641; Aug. 29.
Bates, Clifford L., Des Moines, Iowa. Toy truck. 138,668; Aug. 29.
Bauerle, George, Chicago, Ill. Push toy. 138,642; Aug. 29.
Belmont Casket Manufacturing Company, The. (See Neff, Harry A., assignor.)
Buck, Robert H., Oakland, Calif. Welding electrode holder. 138,643; Aug. 29.
Cade, John W., La Canada, assignor to Sturgess, Inc., Glendale, Calif. Cable tension regulator. 138,644; Aug. 29.
Calderon, Federico, Jr., N. Laredo, Tamps, Mexico. Pen and pencil guard. 138,645; Aug. 29.
Comptor Company, The. (See Hunter, William B., assignor.)
Davis, G. W., Corporation. (See Davis, George W., assignor.)
Davis, George W., assignor to G. W. Davis Corporation, Richmond, Ind. Lawn mower. 138,669; Aug. 29.
Dorfman, John, New York, N. Y. Game board or similar article. 138,646; Aug. 29.
Dubke, Frank J., Detroit, Mich. Combined weather vane and figure. 138,647; Aug. 29.
Duran, Charles A. (See McLarn, E. S., and Duran.)
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,627; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,628; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or similar article. 138,629; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,630; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,631; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,632; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,633; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,634; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,635; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,636; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,637; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,638; Aug. 29.
Erbe, Alfred J. F., Weston, W. Va. Drinking glass or the like. 138,639; Aug. 29.
Gerhart, Charles T. (See Werner, W. G., and Gerhart.)
Golden, Harry, New York, N. Y. End plate for bicycle pedals. 138,648; Aug. 29.
Golden, Zelma, New York, N. Y. Dress. 138,670; Aug. 29.
Golden, Zelma, New York, N. Y. Dress. 138,671; Aug. 29.
Golden, Zelma, New York, N. Y. Dress. 138,672; Aug. 29.
Goodman Manufacturing Company. (See Wood, Frank J., assignor.)
Halpern, Joseph, New York, N. Y. Handbag or similar article. 138,649; Aug. 29.
Hunter, William B., Wellesley Hills, assignor to The Comptor Company, Waltham, Mass. Case for micrometer caliper. 138,673; Aug. 29.
International Standard Electric Corporation. (See McLarn, E. S., and Duran, assignors.)
Keeth, Roy C., McPherson, Kans. Building. 138,650; Aug. 29.
Kimble Glass Company. (See Smith, Winfield F., assignor.)
Korotev, Dean H. and J. M., Waukesha, Wis. Urine specimen apparatus. 138,651; Aug. 29.
Korotev, Jane M. (See Korotev, Dean H. and J. M.)
Leibold, Leo J. (See Mason, Dale W., assignor.)
Lionel Corporation, The. (See Peruggi, Ernesto, assignor.)
Litt, Sam, New York, N. Y. Dress. 138,674; Aug. 29.
Litt, Sam, New York, N. Y. Dress. 138,675; Aug. 29.
Litt, Sam, New York, N. Y. Dress. 138,676; Aug. 29.
Litt, Sam, New York, N. Y. Dress. 138,677; Aug. 29.
Lubow, Bernard, New York, N. Y. Combined magnifying glass and paper weight. 138,678; Aug. 29.
Mabold Mfg. Co. (See Mason, Dale W.)
Mason, Dale W., assignor to L. J. Leibold and himself, co-partners doing business as Mabold Mfg. Co., Lake Villa, Ill. Toy airplane. 138,653; Aug. 29.
McGregor, William G., Corpus Christi, Tex. Badge or similar article. 138,654; Aug. 29.
McLarn, Ernest S., Manhasset, and C. A. Duran, Brooklyn, assignors to International Standard Electric Corporation, New York, N. Y. Telephone desk stand. 138,679; Aug. 29.
Miller Meters, Inc. (See Nelson, Ernest V., assignor.)
Moeller, Henry H., Omaha, Nebr. Tool handle. 138,655; Aug. 29.
Montague, Renee B., New York, N. Y. Slipper. 138,680; Aug. 29.
Morley, Charles E., Detroit, Mich. Combination kitchen stool and stepladder. 138,620; Aug. 29.
Neff, Harry A., Bellaire, assignor to The Belmont Casket Manufacturing Company, Columbus, Ohio. Burial casket or similar article. 138,656; Aug. 29.
Nelson, Ernest V., Clarendon Hills, assignor to Miller Meters, Inc., Chicago, Ill. Parking meter housing or similar article. 138,681; Aug. 29.
Orsett, Coy, Boston, Mass. Automobile spring shackle. 138,682; Aug. 29.
Peruggi, Ernesto, Brooklyn, assignor to The Lionel Corporation, New York, N. Y. Figure wheeled toy. 138,657; Aug. 29.
Peruggi, Ernesto, Brooklyn, assignor to The Lionel Corporation, New York, N. Y. Figure wheeled toy. 138,658; Aug. 29.
Philippe, Alfred, Providence, R. I. Brooch pin. 138,652; Aug. 29.
Procter & Gamble Company, The. (See Werner, W. G., and Gerhart, assignors.)
Rolfes, Fritz H., Johannesburg, Transvaal, Union of South Africa. Blasting cap fastener. 138,683; Aug. 29.
Rubel, John, New York, N. Y. Compact. 138,659; Aug. 29.
Savage Tool Company. (See Wilkie, James W.)
Schulhof, Rudolph, New York, N. Y. Foldable miniature Christmas crib. 138,660; Aug. 29.
Schweid, Eli, New York, N. Y. Game board. 138,684; Aug. 29.
Sheinbaum, Ben, New York, N. Y. Dress. 138,685; Aug. 29.
Silfen, Benjamin, Chicago, Ill. Shoe polishing device. 138,661; Aug. 29.
Smith, Winfield F., assignor to Kimble Glass Company, Vineland, N. J. Bottle. 138,686; Aug. 29.
Spotswood Specialty Company. (See Annable, Oliver S., assignor.)

Sturgess, Inc. (See Cade, John W., assignor.)
Swanstrom, Otto, Duluth, Minn. Wrench. 138,662; Aug. 29.
Teuniss, William C., Grand Rapids, Mich. Bottle. 138,663; Aug. 29.
Weksler, Harry, assignor to Weksler Thermometer Corporation, New York, N. Y. Thermometer case. 138,664; Aug. 29.
Weksler Thermometer Corporation. (See Weksler, Harry, assignor.)
Werner, William G., and C. T. Gerhart, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Bar of soap. 138,687; Aug. 29.
White, Paul W., Fort Lauderdale, Fla. Buckle. 138,621; Aug. 29.
White, Paul W., Fort Lauderdale, Fla. Buckle. 138,622; Aug. 29.
White, Paul W., Fort Lauderdale, Fla. Buckle. 138,623; Aug. 29.
White, Paul W., Fort Lauderdale, Fla. Buckle. 138,624; Aug. 29.
White, Paul W., Fort Lauderdale, Fla. Buckle. 138,625; Aug. 29.
White, Paul W., Fort Lauderdale, Fla. Buckle. 138,626; Aug. 29.
Wilkie, James W., Bloomington, assignor to Savage Tool Company, Savage, Minn. Box for precision gauge block sets. 138,665; Aug. 29.
Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Grid block for a metal treatment trough. 138,666; Aug. 29.
Young, Fred M., Racine, Wis. Aviation engine oil temperature regulator housing. 138,688; Aug. 29.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF AUGUST, 1944

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Abbott, Amen D. (See Mason, Williams C., assignor.)
Adams, Elmer W. (See MacLaren, F. H., and Adams.)
Adams, Frederick V., Branford, Conn. Micrometer caliper. 2,357,066; Aug. 29.
Adams, James W., Dallas, Tex., assignor to Oil Well Supply Company. Forced draft burner for portable boiler flame chambers. 2,356,729; Aug. 29.
Adams, Roger, Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 1,3-diarylisobenzofurans and preparing the same. 2,356,907; Aug. 29.
Addressograph-Multigraph Corporation. (See Gollwitzer, Walter T., assignor.)
Agriculture of the United States of America, and his successors in office. Claude R. Wickard, as Secretary of. (See Reed, Jesse O., assignor.)
Agriculture of the United States of America, and his successors in office, Claude R. Wickard, Secretary of. (See Travis, B. V., and Jones, assignors.)
Alderfer, Sterling W., assignor of one-half to E. D. Andrews, Akron, Ohio. Loom. 2,356,964; Aug. 29.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric valve translating system. 2,357,067; Aug. 29.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric ship propulsion system. 2,357,087; Aug. 29.
Alien Property Custodian. (See Freijacques, Jean L. M.)
Alien Property Custodian. (See Gfeller, Ernst.)
Alien Property Custodian. (See Hagedorn, Max.)
Alien Property Custodian. (See Kern, Rudolf.)
Alien Property Custodian. (See Lanciani, Ettore.)
Alien Property Custodian. (See Pense, W., Asch, May, and Stärk.)
Alien Property Custodian. (See Rendelstein, Max.)
Allen, Holly H., Charleston, W. Va. Orthopedic shoe and filler therefor. 2,356,808; Aug. 29.
Allied Chemical & Dye Corporation. (See Miller, Stuart P., assignor.)
Allied Control Company. (See Ebert, Joseph F., assignor.)
Allied Equipment Company. (See Turner, James H., assignor.)
Allison Company, The. (See Allison, Hugh V., assignor.)
Allison, Hugh V., Fairfield, assignor to The Allison Company, Bridgeport, Conn. Making abrasive articles. 2,356,965; Aug. 29.
Aluminum Company of America. (See Miller, Mike A., assignor.)
American Cyanamid Company. (See Anderson, George W., assignor.)
American Cyanamid Company. (See Christmann, L. J., Jayne, and Erickson, assignors.)
American Cyanamid Company. (See Faith, H. E., and Winnek, assignors.)
American Cyanamid Company. (See Kaiser, Donald W., assignor.)
American Cyanamid Company. (See Kropa, Edward L., assignor.)
American Cyanamid Company. (See Peiker, Alfred L., assignor.)
American Cyanamid Company. (See Roblin, R. O., Jr., and Anderson, assignors.)
American Cyanamid Company. (See Thurston, Jack T., assignor.)
American Hardware Corporation, The. (See Gold, Russell S., assignor.)
American Steel Foundries. (See Bachman, Fred E., assignor.)
American Steel Foundries. (See Light, David M., assignor.)
American Window Glass Company. (See Klages, Norman H., assignor.)
Anaconda Wire and Cable Company. (See Bruining, Carl, assignor.)
Anderson - George W. (See Roblin, R. O., Jr., and Anderson.)
Anderson, George W., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing sulphanilyl aryl guanidines. 2,357,249; Aug. 29.
Andreef, Alexis D., Montreal, Quebec, Canada. Skis. 2,356,809; Aug. 29.
Andrews, Edward D. (See Alderfer, Sterling W., assignor.)
Angel, Henry S. (See Berger, H. G., Nygaard, and Angel.)
Armour and Company. (See Ralston, A. W., and McCorkle, assignors.)
Arrowsmith, Forrest, Munster, Ind. Clothesline prop. 2,356,908; Aug. 29.
Asch, Werner. (See Pense, W., Asch, May, and Stärk.)
Aske, Irving E., Muskegon, Mich. Piston. 2,356,909; Aug. 29.
Atlas Powder Company. (See Brown, Kenneth R., assignor.)
Auten, Claude L., Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Prefabricated metal doorway. 2,356,730; Aug. 29.
"Automatic" Sprinkler Company of America. (See Rider, Harry N., assignor.)
Automotive Products Company Limited. (See Chouings, Leslie C., assignor.)
Babcock & Wilcox Company, The. (See Behr, Robert K., assignor.)
Babcock & Wilcox, The. (See Maxwell, Carl A., assignor.)
Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,356,742; Aug. 29.
Bailey Meter Company. (See Hines, Robert B., assignor.)
Bailey, Richard S., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Etched crystaline hone. 2,356,910; Aug. 29.
Baker, Bernard R. (See Carlson, G. H., and Baker.)
Baker, Walter L., Covington, Va., assignor to West Virginia Pulp and Paper Company, New York, N. Y. Coated welding rod. 2,357,250; Aug. 29.
Balanon, Agaton A., Kalaheo, Kauai, Hawaii. Goggle. 2,356,731; Aug. 29.
Baldwin Locomotive Works, The. (See Link, Harry W., assignor.)
Baldwin Locomotive Works, The. (See Sims, John C., Jr., assignor.)
Baldwin Locomotive Works, The. (See Tate, Malcolm C., assignor.)
Bales, James E. (See O'Connor, J. B., and Bales.)
Ball, Charles P., Jr., assignor to The Torrington Company, Torrington, Conn. Forming seat mast clusters and like structures, and products thereof. 2,356,732; Aug. 29.
Banker, John R., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Electronic voltmeter and ohmmeter. 2,356,733; Aug. 29.
Bannister, Bryant, Mount Lebanon, Pa., assignor to National Tube Company. Tube mill. 2,356,734; Aug. 29.
Bannon, Thomas W. (See Nowak, A. K., and Bannon.)
Barab, Jacob, assignor to Hercules Powder Company, Wilmington, Del. Blasting cartridge. 2,357,068; Aug. 29.
Barackman, Rufus A., Chicago Heights, Ill., assignor to Victor Chemical Works. Iron fortification of flour. 2,357,069; Aug. 29.
Barber-Colman Company. (See Edgar, John, assignor.)
Barber-Colman Company. (See Purvin, Benjamin R., assignor.)
Barbieri, Cesare, New York, N. Y., assignor to Dixie Cup Company. Paper cup. 2,357,161; Aug. 29.
Barbour, Roswell P., assignor of one-half to C. Beckman, Jr., Lodi, Calif. Lug box. 2,357,162; Aug. 29.
Bardell, Nicholas J., Chicago Heights, assignor to Mid-West Forging & Mfg. Co., Chicago, Ill. Making shot. 2,356,966; Aug. 29.
Barnes, Walter C., Lake Bluff, and H. W. Keevil, Highland Park, Ill. Flaw detecting apparatus. 2,356,967; Aug. 29.
Barnes, Walter C., Lake Bluff, and H. W. Keevil, Highland Park, Ill. Rail flaw detecting unit. 2,356,968; Aug. 29.
Barrett, Guy, Market Harborough, assignor to Wycliffe Foundry & Engineering Co. Limited, Lutterworth, England. Step-by-step controlling mechanism. 2,357,163; Aug. 29.
Barron, Joseph M., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Combination catalytic and thermal cracking. 2,356,744; Aug. 29.
Barth, Robert H., Rochelle Park, and H. Burrell, Clifton, N. J., assignors, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y. Polyhydric alcohol esters. 2,356,745; Aug. 29.
Bastian, Glenn G., Elsinore, Calif. Ventilator. 2,356,735; Aug. 29.
Bates, Charles J., Englewood, N. J., assignor to Diebold, Incorporated. File folder and index tab construction. 2,357,070; Aug. 29.
Baner, Benjamin B., Chicago, Ill., assignor to S. N. Shure and Frances Shure, trustee, doing business as Shure Brothers. Electromagnetic translating device. 2,356,810; Aug. 29.
Bauer Brothers Company, The. (See Mechlin, William H., assignor.)

Bawden Brothers, Inc. (See Bawden, Harry E., assignor.)

Bawden, Harry E., Bettendorf, assignor, to Bawden Brothers, Inc., Davenport, Iowa. Adjustable picture hanger. 2,357,071; Aug. 29.

Beck, Bjorn O., Newark, Ohio, H. L. Beck, Western Springs, Ill., and C. H. Gunthorp, Indianapolis, Ind. Electrical insulating compositions. 2,357,072; Aug. 29.

Beck, Hubert L. (See Beck, Bjorn O. and H. L., and Gunthorp.)

Beckman, Charles, Jr. (See Barbour, Roswell P., assignor.)

Behar, Sam, Berwyn, assignor to A. F. Dormeyer Mfg. Co., Chicago, Ill. Turntable slide support. 2,357,160; Aug. 29.

Behr, Robert K., Tuckahoe, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Multiflue heat exchanger. 2,357,251; Aug. 29.

Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)

Bell & Howell Company, The. (See Zuber, John G., assignor.)

Bell Telephone Laboratories, Incorporated. (See De Monte, R. W., and Milarta, assignors.)

Bell Telephone Laboratories, Incorporated. (See Hartley, Ralph V. L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Holbrook, Bernard D., assignor.)

Bell Telephone Laboratories, Incorporated. (See Kent, Robert J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Meyers, Stanley T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Norwine, Andrew C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Thurber, E. A., and Wooten, assignors.)

Bellrose, Norman G., Long Beach, Calif. Cutting torch holder. 2,356,811; Aug. 29.

Beloit Iron Works. (See Hornbostel, Lloyd, assignor.)

Bendix Aviation Corporation. (See Bailey, Richard S., assignor.)

Bendix Aviation Corporation. (See Eltgroth, George V., assignor.)

Benner, Raymond C. (See Melton, R. L., and Benner.)

Bennett Incorporated. (See Porter, Rotheous B., Jr., assignor.)

Bennett, Walter E., Jr. (See Wauson, H. C., and Bennett.)

Bennett, William O., Jr., assignor to Hamilton Watch Company, Lancaster, Pa. Balance wheel. 2,356,911; Aug. 29.

Bennett, William O., Jr., Lancaster, and E. W. Drescher, Manheim, assignors to Hamilton Watch Company, Lancaster, Pa. Spring processing device. 2,356,912; Aug. 29.

Bennington, Clyde, Ferndale, Mich. Double gaff or spur as used on pole climbers. 2,357,159; Aug. 29.

Berg, Gustav, Glasgow, Scotland, assignor of one-half to E. Low-Beer, "Sunnyside," Melrose, Roxburghshire, England. Blanket. 2,357,164; Aug. 29.

Berger, Henry G., E. M. Nygaard, and H. S. Angel, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Recovery of phenols. 2,357,252; Aug. 29.

Berman, Joseph. (See Mestel, N., and Berman.)

Berman, Louis, Evansville, Ind. Pin game lift. 2,356,913; Aug. 29.

Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Starting switch for electrical discharge lamps. 2,356,812; Aug. 29.

Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Starting switch for electrical discharge lamps. 2,356,813; Aug. 29.

Bialosky, Jerome M. (See Merlub-Sobel, M., and Bialosky.)

Billing, Wylv M., assignor to Hercules Powder Company, Wilmington, Del. Adhesive composition. 2,357,073; Aug. 29.

Bimmerman, Harry G., Wilmington, Del., and A. L. Fox, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of molds and compositions therefor. 2,356,814; Aug. 29.

Bischoff, Robert, Troy, N. Y. Check valve. 2,356,815; Aug. 29.

Blaes, Edward G., Glendale, N. Y., assignor of one-third to G. V. Oldham, Summit, and one-third to S. H. Rust, New Brunswick, N. J. Roller skate. 2,356,736; Aug. 29.

Blancha, Felix C., Manoa, Pa., assignor to Radio Corporation of America. Counting mechanism. 2,356,914; Aug. 29.

Bland, Thomas W., assignor of one-fourth to R. E. Cavins, San Jose, Calif. Can filling machine. 2,356,737; Aug. 29.

Blum, Jerome J., assignor to The Fibre Forming Corporation, Olean, N. Y. Container. 2,356,969; Aug. 29.

Borg, George W. (See Gibbs, T. B., Brown, and Wickham, assignors.)

Borg, George W., Corporation. (See Fink, J., and Gibbs, assignors.)

Boulton Paul Aircraft Limited. (See North, John D., assignor.)

Bousbey, Homer A., Hamilton Field, Calif. Jet propulsion device. 2,356,746; Aug. 29.

Bowen Research Corporation. (See McCrum, Walter I., assignor.)

Bowman, Max I., and H. Packer, Dayton, Ohio. Cleaning composition and process. 2,356,747; Aug. 29.

Boynton, Alexander, San Antonio, Tex. Pressure regulator. 2,356,748; Aug. 29.

Brady, Henry, Beckley, W. Va. Tripod base. 2,357,165; Aug. 29.

Breckenridge, Frank, and E. K. Clark, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Laundry apparatus. 2,356,816; Aug. 29.

Breckenridge, Frank, Mansfield, Ohio, and R. J. Ridge, Lansdowne, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cleaning apparatus. 2,356,817; Aug. 29.

Brewster, Casse. (See Brewster, Percy D., assignor.)

Brewster, Percy D., Holmdel, N. J., assignor to C. Brewster, East Orange, N. J. Rotary pump and compressor. 2,356,915; Aug. 29.

Brewster, Percy D., Holmdel, N. J., assignor to C. Brewster, East Orange, N. J. Variable capacity pumps or motor. 2,356,916; Aug. 29.

Brickley, James L., Spokane, Wash., assignor of one-third to S. A. Wheeler, Hamilton, Mont., and one-third to L. T. Wheeler, Spokane, Wash. Hand sanding machine. 2,357,166; Aug. 29.

Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)

Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)

Briggs, John C., Harrogate, England. Cutting tool. 2,357,074; Aug. 29.

Brinton, Thomas E., Cedar Falls, Iowa. Pump. 2,357,075; Aug. 29.

Briskin, Theodore S., and P. F. Sperry, deceased, by H. B. Sperry, executrix, assignors to Revere Camera Company, Chicago, Ill. Magazine ejector mechanism for cameras. 2,357,076; Aug. 29.

Brockett, Glenn F., assignor to Fisher Governor Company, Marshalltown, Iowa. Pilot means for liquid level controls and the like. 2,356,970; Aug. 29.

Broido, Daniel, Cockfosters, near Barnet, England. Calculating machine. 2,357,167; Aug. 29.

Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)

Brown Instrument Company, The. (See Keeler, Earl A., assignor.)

Brown Instrument Company, The. (See Wagner, Frederick P. A., assignor.)

Brown, Kenneth R., Kennett Square, Pa., assignor to Atlas Powder Company, Wilmington, Del. Organic parasiticidal compositions. 2,357,077; Aug. 29.

Brown, Kenneth R., Kennett Square, Pa., assignor to Atlas Powder Company, Wilmington, Del. Parasite control. 2,357,078; Aug. 29.

Brown, Morris E. (See Gibbs, T. B., Brown, and Wickham.)

Brown, Odell T., Old Hickory, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Winding apparatus. 2,357,079; Aug. 29.

Bruckman, William C., Yellow Springs, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cleaning apparatus. 2,356,818; Aug. 29.

Brugger, Hans C., Orangeburg, N. Y. Pump. 2,356,738; Aug. 29.

Bruining, Carl, Muskegon, Mich., assignor to Anaconda Wire and Cable Company. Wire-enameling apparatus. 2,357,168; Aug. 29.

Buckeye Traction Ditcher Company, The. (See Magee, Robert B., assignor.)

Budd, Edward G., Manufacturing Company, The. (See Ledwinka, J., and Kelly, assignors.)

Budd, Edward G., Manufacturing Company. (See Whiteseli, John C., Jr., assignor.)

Budd, Roy S., Slater Mo. Valve. 2,357,169; Aug. 29.

Budd Wheel Company. (See Ledwinka, Joseph, assignor.)

Buffalo Electro-Chemical Company. (See Kauffmann, Hans O., assignor.)

Bulldog Electric Products Company. (See Frank, William H., assignor.)

Burggraf, Albert W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Arc welding chill. 2,357,170; Aug. 29.

Burns, Charles R., West Reading, Pa., assignor to Vanity Fair Mills, Inc. Warp knit fabric and making the same. 2,356,819; Aug. 29.

Burpee, Dorothy R. (See Whiting, Walter R., assignor.)

Burrell, Harry. (See Barth, R. H., and Burrell.)

Cady, George H., Wadsworth, Ohio, assignor to Pittsburgh Plate Glass Company, Alleghany County, Pa. Preparation of hypochlorites. 2,356,820; Aug. 29.

Cain, Basil S., Erie, Pa., assignor to General Electric Company. Restraint device. 2,357,080; Aug. 29.

Cain, Basil S., Erie, Pa., assignor to General Electric Company. Restraint and equalizing device. 2,357,081; Aug. 29.

California Fruit Growers Exchange. (See McCracken, John H., assignor.)

Carborundum Company, The. (See Melton, R. L., and Benner, assignors.)

Carlson, Elmer T., Wyoming, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Bus bar connecting clamp. 2,357,171; Aug. 29.

Carlson, Gustaf H., Pearl River, and B. R. Baker, Nanuet, assignors to Lederle Laboratories, Inc., New York, N. Y. Mono-glycosides of 2-methyl-1,4-naphthohydroquinone. 2,357,172; Aug. 29.

Carnegie-Illinois Steel Corporation. (See Muddiman, Earll R., assignor.)

Carolin, Guy, New York, N. Y. Memorizer. 2,357,082; Aug. 29.

Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic erection device. 2,356,749; Aug. 29.

Case, J. I., Company. (See Krause, Norman R., assignor.)

Case, Rogers, Orange, N. J. Wire-transposing device. 2,356,750; Aug. 29.

Cavins, Roy E. (See Bland, Thomas W., assignor.)

Celanese Corporation of America. (See Horback, William, assignor.)

Chandler & Price Company, The. (See Johnson, Lawrence R., assignor.)

Chouings, Leslie C., assignor to Automotive Products Company Limited, Leamington Spa, England. Liquid pressure actuated pump. 2,356,917; Aug. 29.

Chow, Bacon F. (See van Dyke, H. B., Greep, and Chow.)

Christensen, James, Englewood, Colo. Cigarette holder. 2,356,971; Aug. 29.

Christmann, Ludwig J., Yonkers, N. Y., D. W. Jayne, Jr., Old Greenwich, and S. E. Erickson, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Froth flotation of acidic minerals. 2,356,821; Aug. 29.

Chromogen, Incorporated. (See Gáspár, Béla, assignor.)

Chubbuck, Horace A., assignor to Ford Motor Company, Dearborn, Mich. Electrical apparatus. 2,356,972; Aug. 29.

Chubbuck, Horace A. (See Miller, L., and Chubbuck.)

Chyle, John J., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric arc welding. 2,356,822; Aug. 29.

Cincinnati Shaper Company, The. (See Hazelton, M. W., and Diserens, assignors.)

Clagett, William H., Jr., Mason City, Wash., assignor to Koehring Company, Milwaukee, Wis. Determining the consistency of concrete mixtures. 2,357,083; Aug. 29.

Clark, Earl K. (See Breckenridge, F., and Clark.)

Clark Equipment Company. (See Mills, Burton L., assignor.)

Clark Equipment Company. (See Williams, Alfred O., assignor.)

Clayton, James O. (See Farrington, B. B., Clayton, and Etzler.)

Clearing Machine Corporation. (See Nowak, A. K., and Bannon, assignors.)

Cleofe, Lawrence, New York, N. Y. Paddle wheel structure. 2,357,084; Aug. 29.

Cleveland Pneumatic Tool Company, The. (See Hope, John A., assignor.)

Cleveland Pneumatic Tool Company, The. (See Johnson, Arthur B., assignor.)

Cleveland Pneumatic Tool Company, The. (See Lear, Earl B., assignor.)

Cleveland Pneumatic Tool Company, The. (See Wallace, John F., assignor.)

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Rubbert hydrochloride. 2,356,973; Aug. 29.

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Diene interpolymers and preparing the same. 2,356,974; Aug. 29.

Coca, Arthur F., Oradell, N. J., assignor to Lederle Laboratories, Inc., New York, N. Y. Preservation of dried blood grouping serum. 2,357,253; Aug. 29.

Cohen, Morris, Kansas City, Mo., and D. W. Enoch, G. Hasty, and G. A. Jorgenson, Chicago, Ill., assignors to Interstate Bakeries Corporation, Kansas City, Mo. Sheeting and elongating dough. 2,357,085; Aug. 29.

Colby, Joseph M., U. S. Army, Lake Mills, Iowa. Gun mount. 2,356,751; Aug. 29.

Cole, John E., and B. F. Skiles, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic dyestuffs of the thionaphthenone series, and making the same. 2,356,823; Aug. 29.

Cole, John E., and B. F. Skiles, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic dyestuffs of the thionaphthenone series, and making the same. 2,356,824; Aug. 29.

Columbian Carbon Company. (See Fireman, Peter, assignor.)

Comptois, Gedeon R., New York, N. Y. Pipe. 2,356,975; Aug. 29.

Conlon, James L., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Automobile door construction. 2,356,976; Aug. 29.

Connolly, Francis J., London, England. Strip affixing device. 2,357,173; Aug. 29.

Consolidated Gas Electric Light and Power Company of Baltimore. (See Betz, Paul L., assignor.)

Consolidated Vultee Aircraft Corporation. (See Joyner, George F., assignor.)

Consolidated Water Power & Paper Company. (See Muggleton, Gerald D., assignor.)

Continental Oil Company. (See Lincoln, B. H., and Steiner, assignors.)

Continental Research Corporation. (See Gayer, F. H., and Fawkes, assignors.)

Coons, Burton C., assignor to Food Machinery Corporation, San Jose, Calif. Fruit reshaping mechanism. 2,356,977; Aug. 29.

Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)

Copeman, Lloyd G., Lapeer, assignor to Copeman Laboratories Company, Flint, Mich. Closure member and applying same. 2,356,825; Aug. 29.

Coss, Harold T., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for insulating structures. 2,356,827; Aug. 29.

Coss, Harold T., Somerville, L. A. Hawthorne, Hillside, and J. H. Zettel, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Manufacturing felted mineral wool products. 2,357,042; Aug. 29.

Coss, Harold T., and W. M. MacAlpine, Somerville, and L. A. Hawthorne, Hillside, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Manufacturing Mineral wool and product. 2,356,826; Aug. 26.

Courtney, Orley R., Lansing, Mich. Airplane wing construction. 2,356,918; Aug. 29.

Coventry Climax Engines Limited. (See Hathaway, Lawrence, assignor.)

Crane, Carl J., Fairfield, and R. K. Stout, Dayton, Ohio. Navigational control means. 2,356,828; Aug. 29.

Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Electric ship propulsion system. 2,357,086; Aug. 29.

Croninger, George J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Method and apparatus for feeding plastic clay to molds in the manufacture of pottery ware. 2,356,829; Aug. 29.

Crowther, George A., Manhasset, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Fire control computer. 2,356,830; Aug. 29.

Cunningham, M. E., Company. (See Hauer, Leon C., assignor.)

Curtis, Frank W., Springfield, Mass., assignor to Van Norman Company. Cutting tool. 2,357,088; Aug. 29.

Curtis Pump Company. (See Curtis, Russell R., assignor.)

Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Fuel pumping system. 2,357,174; Aug. 29.

Daae, Reinhardt, Youngstown, Ohio. Fuel-feeding means for gas producers. 2,357,175; Aug. 29.

Daiger, William H., Linthicum Heights, and G. R. Seidel, Baltimore, Md., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of improved pigments. 2,357,089; Aug. 29.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Preparing a lignin-phenol-formaldehyde resin dispersion. 2,357,090; Aug. 29.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Dispersion of pine-wood pitch-phenolformaldehyde resinous reaction products. 2,357,091; Aug. 29.

Danforth, Joseph D., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,356,978; Aug. 29.

Danforth, Joseph D., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,357,254; Aug. 29.

Della Corte, Joseph P. (See Kubert, E. J., and Della, Corte.)

Delp, Myers Z., South Bend, Ind., and L. A. McCormick, Niles, Mich., assignors to The Studebaker Corporation, South Bend, Ind. Bumper. 2,356,979; Aug. 29.

De Mian, Stanley, and C. E. Taylor, New York, N. Y., assignors to Gaylord Container Corporation, St. Louis, Mo. Container. 2,357,092; Aug. 29.

De Mian, Stanley, Teaneck, N. J., and C. E. Taylor, Harrison, N. Y., assignors to Gaylord Container Corporation, St. Louis, Mo. Container. 2,357,093; Aug. 29.

De Monte, Robert W., Glen Ridge, N. J., and L. E. Milarta, Hollis, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Leakproof terminal structure. 2,356,831; Aug. 29.

De Ridder, Gysbert F., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Toluene sweetening. 2,356,980; Aug. 29.

Detroit Harvester Company. (See Kost, Harold W., assignor.)

Detroit Lubricator Company. (See Hann, Albert G., assignor.)

Detroit Lubricator Company. (See von Wangenheim, Adolf, assignor.)

De Vilbiss Company, The. (See Peeps, Donald J., assignor.)

Deysher, Harvey M., Lansdale, Pa. Electric plug and receptacle. 2,356,752; Aug. 29.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Anthraquinone compounds. 2,357,176; Aug. 29.

Diebold, Incorporated. (See Bates, Charles J., assignor.)

Dietrich, John A., Peoria, Ill. Small hole gauge. 2,356,832; Aug. 29.

Diserens, Ralph S. (See Hazelton, M. W., and Diserens.)

Dixie Cup Company. (See Barbieri, Cesare, assignor.)
Dodson, William C. (See Drum, H. S., and Dodson.)
Doe, Hans H., Milwaukee, Wis. Roofing joint. 2,356,833; Aug. 29.
Doll, Henri G., Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Method and apparatus for conducting different investigations simultaneously in bore holes. 2,357,177; Aug. 29.
Doll, Henri G., Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Method and apparatus for investigating bore holes. 2,357,178; Aug. 29.
Dono, George E., and R. H. Goddard, assignors to Morris Motors Limited, Cowley, Oxford, England. Heat interchange apparatus. 2,356,919; Aug. 29.
Dormeyer, A. F., Mfg. Co. (See Behar, Sam, assignor.)
Dotzer, Leonard, Milton, Mass. Grinding mill. 2,356,753; Aug. 29.
Drescher, Ernest W. (See Bennett, W. O., Jr., and Drescher.)
Drescher, John F., Los Angeles, Calif. Glider coupling. 2,356,920; Aug. 29.
Drescher, John F., West Los Angeles, and W. E. Hirtensteiner, Inglewood, Calif., assignors to Interstate Aircraft and Engineering Corp. Hydraulic gun charger. 2,356,981; Aug. 29.
Drum, Harry S., and W. C. Dodson, Abington, assignors to Smith, Drum and Company, Philadelphia, Pa. Yarn drying apparatus. 2,356,834; Aug. 29.
Duckett, Cecil H., Brooklyn, N. Y. Tapered sleeve or socket for drills and other tapered shank tools. 2,356,835; Aug. 29.
Dudley Lock Corporation. (See Machinist, Harold, assignor.)
Du Mont, Allen B., Laboratories, Inc. (See Banker, John R., assignor.)
Dunham, George S., Merion, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Reactor with separator of entrained solids from gases. 2,357,255; Aug. 29.
Du Pont, E. I. de Nemours & Company. (See Adams, Roger, assignor.)
Du Pont, E. I., de Nemours & Company. (See Bimmerman, H. G., and Fox, assignors.)
Du Pont, E. I., de Nemours & Company. (See Brown, Odell T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Cole, J. E., and Skiles, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dalger, W. H., and Seidel, assignors.)
Du Pont, E. I., de Nemours & Company. (See Geddes, John A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Herrmann, Carl V., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rossander, S. S., Sparks, and Maynard, assignors.)
Durand & Huguenin A. G. (See Glenz, K., and Neitzel, assignors.)
East, Edward H., deceased, Edinburg, Tex.; F. A. East, independent executrix of said E. H. East. Float valve. 2,356,982; Aug. 29.
East, Florence A., independent executrix. (See East, Edward H.)
Eastman Kodak Company. (See Dickey, Joseph B., assignor.)
Eaton Manufacturing Company. (See Voorhies, Carl, assignor.)
Ebeling, Frederick J., Staunton, Va. Toy. 2,357,179; Aug. 29.
Ebert, Joseph F., Hollis, assignor to Allied Control Company, Inc., New York, N. Y. Equalized double contact arm. 2,356,836; Aug. 29.
Edgar, David. (See Knowlton, C. D., and Edgar.)
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Broaching method. 2,357,094; Aug. 29.
Edison General Electric Appliance Company. (See Vogel, Oliver G., assignor.)
Edison, Thomas A., Incorporated. (See Huenlich, Charles, assignor.)
Edwards, Arthur O., Villanova, Pa. Drill. 2,356,921; Aug. 29.
Edwards, Caleb M. (See Edwards, James G., assignor.)
Edwards, James G., Wilkes-Barre, Pa., assignor to C. M. Edwards, Glencoe, Ill. Automatic air coupler. 2,357,180; Aug. 29.
Ehret, John, Jr., Trenton, N. J., and C. W. Maurer, Freeport, assignors to Western Electric Company, Incorporated, New York, N. Y. Material treating apparatus. 2,356,837; Aug. 29.
Eidt, John N., Elyria, Ohio. Applicator. 2,357,256; Aug. 29.
Eilers, Louis K. (See Gebauer-Fuelnegg, E., Eilers, and Moffett.)
Ekco Products Company. (See Jackson, Joseph G., assignor.)
Electrical Products Corporation. (See Owen, Harold R., assignor.)
Eltgroth, George V., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Direction finding apparatus. 2,356,922; Aug. 29.
Empire Box Corporation. (See Klein, Stanley J., assignor.)
Endo Products, Inc. (See Gordon, S. M., and Kipnis, assignors.)
English Electric Company Limited, The. (See Seewer, Paul W., assignor.)
English, John M., Norwich, Conn. Hub for coaster brakes. 2,357,188; Aug. 29.
Enoch, Duard W. (See Cohen, M., Enoch, Hasty, and Jorgenson.)
Erasmus, Errol D. (See Reid, Oliver W.)
Erdman, Allen G. (See Taylor, G. E., and Erdman.)
Erickson, Stephen E. (See Christmann, L. J., Jayne, and Erickson.)
Ericsson, Knut A., Elyria, Ohio, and W. T. Mahla, McKeesport, Pa., assignors to National Tube Company. Sinker device for continuous galvanizing apparatus. 2,356,739; Aug. 29.
Erwin, Ransome W., Tyler, assignor to Salt Water Control, Inc., Fort Worth, Tex. Flow regulation apparatus for brine injection wells. 2,357,189; Aug. 29.
Etsler, Dorr H. (See Farrington, B. B., Clayton, and Etsler.)
Euclid Road Machinery Co., The. (See Snow, Virgil L., assignor.)
Evans, Frank C., Farnham Common, assignor to Langley Alloys Limited, Langley, England. Copper base alloys. 2,357,190; Aug. 29.
Evans, Theodore W., Oakland, and H. de V. Finch, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Manufacture of anhydrous hydrogen halide. 2,357,095; Aug. 29.
Excelsior Hardware Company, The. (See Komenak, Albert J., assignor.)
Fairchild Camera and Instrument Corporation. (See Kuebert, E. J., and Della Corte, assignors.)
Faith, Herman E., Stamford, and P. S. Winnek, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of sulphanilylaminoguanidines. 2,357,181; Aug. 29.
Farmer, George G., Washington, D. C. Sling. 2,357,182; Aug. 29.
Farmer, James W. (See Jones, J. L., and Farmer.)
Farrell, Joseph E., Toms River, N. J., assignor to National Engineering Foundation, Inc., Washington, D. C. Gaseous fuel burner. 2,356,838; Aug. 29.
Farrington, Bruce B., and J. O. Clayton, Berkeley, and D. H. Etsler, Albany, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded oil. 2,356,754; Aug. 29.
Fawkes, Charles E. (See Gayer, F. H., and Fawkes.)
Faximile, Inc. (See Hogan, John V. L., assignor.)
Fazekas, Oscar M., Ann Arbor, Mich., assignor to Universag Technische A. G., Glarus, Switzerland. Dispenser for liquids. 2,356,755; Aug. 29.
Fehrer, Harold. (See Taylor, H. S., Fehrer, and Turkevich.)
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Fibre Forming Corporation, The. (See Blum, Jerome J., assignor.)
Finch, Harry de V. (See Evans, T. W., and Finch.)
Fink, Jean, and T. B. Gibbs, Delavan, Wis., assignors to George W. Borg Corporation, Chicago, Ill. Electric clock. 2,356,983; Aug. 29.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for pressing soles upon shoe bottoms. 2,356,756; Aug. 29.
Fireman, Peter, Lambertville, N. J., assignor, by mesne assignments, to Columbian Carbon Company, New York, N. Y. Transparent iron oxide pigments. 2,357,096; Aug. 29.
Firestone, Harley H., South Bend, Ind. Measuring device. 2,356,923; Aug. 29.
Fisher Governor Company. (See Brockett, Glenn F., assignor.)
Fitz Gerald, John W., deceased, by M. C. Fitz Gerald, executrix, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,356,984; Aug. 29.
Fitz Gerald, John W., deceased, by M. C. Fitz Gerald, executrix, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,356,985; Aug. 29.
Fitz Gerald, Mary C., executrix. (See Fitz Gerald, John W.)
Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Tailstock. 2,356,839; Aug. 29.
Fleisher, Walter L., New City, N. Y. Air conditioning apparatus. 2,356,757; Aug. 29.
Fleuriel, Paul M., Stow, assignor to Union-Baystate Co. Inc., Cambridge, Mass. Apparatus for dehydrating liquid coating products and the like. 2,356,758; Aug. 29.
Food Machinery Corporation. (See Coons, Burton C., assignor.)
Ford Instrument Company. (See Crowther, George A., assignor.)
Ford Motor Company. (See Chubbuck, Horace A., assignor.)
Ford Motor Company. (See Miller, L., and Chubbuck, assignors.)
Ford Motor Company. (See Treese, L. S., and Schubert.)
Foster, Lee R. (See Goller, E. E., and Foster.)
Fox, Arthur L. (See Bimmerman, H. G., and Fox.)
Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Switch. 2,357,183; Aug. 29.

Frejacques, Jean L. M., Paris, France; vested in the Alien Property Custodian. Fuel for motor vehicles. 2,357,184; Aug. 29.
Frey, Frederick E., and R. D. Snow, Bartlesville, Okla., assignors to Phillips Petroleum Company. Concentrating diolefins. 2,356,840; Aug. 29.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating hydrocarbons. 2,356,986; Aug. 29.
Froelich, George E., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Adjustable stand for draftsmen or the like. 2,356,924; Aug. 29.
Fryling, Charles F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of vinyl halides. 2,356,925; Aug. 29.
Funtan, Charles L., Paterson, N. J. Valve structure for steam conducting systems. 2,357,097; Aug. 29.
G. C. A. Manufacturing Co., The. (See Grinnell, Harold D., assignor.)
Gallop, Joseph W., East St. Louis, Ill., assignor to Key Company, East St. Louis, Mo. Plug type pipe closure. 2,356,987; Aug. 29.
Garin, Alexis N., Pittsfield, Mass., assignor to General Electric Company. Transformer. 2,357,098; Aug. 29.
Garvin, William D., Charlestown, W. Va., assignor to The Standard Lime and Stone Company, Baltimore, Md. Hydrating dolomitic limes. 2,356,760; Aug. 29.
Gáspár, Béla, Hollywood, Calif., assignor to Chromogen, Incorporated. Color photographic material and producing same. 2,356,759; Aug. 29.
Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,357,099; Aug. 29.
Gayer, Frederick H., and C. E. Fawkes, Chicago, assignors to Continental Research Corporation, Chicago Heights, Ill. Separation of the constituents of tall oil. 2,356,988; Aug. 29.
Gaylord Container Corporation. (See de Mian, S., and Taylor, assignors.)
Gaylord Container Corporation. (See Williams, B. M., and Rushing, assignors.)
Gebauer-Fuelnegg, Erich, Evanston, Ill., L. K. Eilers, and E. W. Moffett, Gary, Ind., assignors, by mesne assignments to Marbon Corporation. Transparent sheet material and making same. 2,357,100; Aug. 29.
Geddes, John A., Richardson Park, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium pigments and producing the same. 2,357,101; Aug. 29.
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Cain, Basil S., assignor.)
General Electric Company. (See Crever, Frederick E., assignor.)
General Electric Company. (See D'Alelio, Gaetano F., assignor.)
General Electric Company. (See Garin, Alexis N., assignor.)
General Electric Company. (See Hemphill, Lawrence F., assignor.)
General Electric Company. (See Schneider, Fred B., assignor.)
General Electric Company. (See Seeley, Harold T., assignor.)
General Electric Company. (See Sias, Frederick R., assignor.)
General Electric Company. (See Tuttle, Frank B., assignor.)
General Electric Company. (See von Hoorn, Fred G., assignor.)
General Motors Corporation. (See Gaugler, Richard S., assignor.)
General Motors Corporation. (See Muller, Lloyd E., assignor.)
General Printing Ink Corporation. (See Wekeman, Stephen N., assignor.)
Gessner, David, deceased; G. C. Gessner, executrix, assignor to David Gessner Company, Worcester, Mass. Rotary cloth finishing press. 2,357,185; Aug. 29.
Gessner, David, Company. (See Gessner, David, assignor.)
Gessner, Gertrude C., executrix. (See Gessner, David.)
Getz, Charles A., Glen Ellyn, and E. K. Kuhles, Wilmette, assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Control box for fire extinguisher. 2,356,989; Aug. 29.
Getz, Charles A., Glen Ellyn, assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Fire extinguishing system. 2,356,990; Aug. 29.
Gfeller, Ernst, Pratteln, near Basel, Switzerland; vested in the Alien Property Custodian. Method and apparatus for cooling and drying acetylene. 2,357,186; Aug. 29.
Gibbs, Thomas B. (See Fink, J., and Gibbs.)
Gibbs, Thomas B., M. E. Brown, and P. B. Wickham, Delavan, Wis., assignors, by mesne assignments, to George W. Borg Corporation, Chicago, Ill. Timing apparatus. 2,356,991; Aug. 29.
Gilson, Irving R., Liverpool, N. Y., assignor of one-fifth to T. E. Simonton, Syracuse, N. Y. Projectile trapping method and apparatus. 2,356,992; Aug. 29.
Gits, Joseph A. (See Gits, Jules P., assignor.)
Gits, Jules P., assignor, by mesne assignments, to J. A. Gits and himself, Chicago, Ill. Match case. 2,356,926; Aug. 29.
Glasner, Rudolph W., Chicago, and E. K. Johansen, Oak Park, assignors, by mesne assignments, to Midwest Hydraulics, Inc., Chicago, Ill. Radial pump. 2,356,993; Aug. 29.
Gleason Works. (See Wildhaber, Ernest, assignor.)
Glenz, Karl, and F. Neitzel, assignors to the Swiss firm of Durand & Huguenin A. G., Basel, Switzerland. Mordant dyestuffs and their manufacture. 2,356,740; Aug. 29.
Glidden Company, The. (See Holzmer, M., and Neuhaus, assignors.)
Glidden Company, The. (See Poarch, Arthur E., assignor.)
Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
Goddard, Donald H. (See Dono, G. E., and Goddard.)
Goetze, Frederick W., deceased, Franklin Park; M. C. Goetze, executrix, assignor to Goetze Gasket & Packing Co. Inc., New Brunswick, N. J. Reinforced gasket. 2,357,257; Aug. 29.
Goetze Gasket & Packing Co. (See Goetze, Frederick W., assignor.)
Goetze, Margie C., executrix. (See Goetze, Frederick W.)
Gold, Russell S., Berlin, assignor to The American Hardware Corporation, New Britain, Conn. Lock device. 2,357,102; Aug. 29.
Goller, Eugene E., and L. R. Foster, assignors to Unique Manufacturing Co., Inc., Chicago, Ill. Hydrocarbon fuel burning device. 2,356,994; Aug. 29.
Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,356,995; Aug. 29.
Goodman Manufacturing Company. (See Wood, Frank J., assignor.)
Goodrich, B. F., Company, The. (See Fryling, Charles F., assignor.)
Goodrich, B. F., Company, The. (See Jones, P. C., and Mathes, assignors.)
Goodson, Luke B. (See Montgomery, J. V., Goodson, and Henry.)
Gordon, Samuel M., Forest Hills, and F. Kipnis, Brooklyn, assignors to Endo Products, Inc., Richmond Hill, N. Y. Pyridine-amine-salts of para-amino-benzoic acid and making the same. 2,356,996; Aug. 29.
Graham, Maurice H., Minneapolis, Minn. Coffee pot. 2,356,784; Aug. 29.
Gray, John S., San Antonio, Tex., assignor to Merck & Co., Inc., Rahway, N. J. Preparation of pyrogen-free urogastrone. 2,357,103; Aug. 29.
Greep, Roy O. (See van Dyke, H. B., Greep, and Chow.)
Gregory, John J., Catonsville, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Filament cutting apparatus. 2,356,841; Aug. 29.
Grenot, Leo D., Oakland, assignor to Shell Development Company, San Francisco, Calif. Bearing construction. 2,357,106; Aug. 29.
Griffith, Raymond C. (See Harrington, F. T., and Griffith.)
Grinnell, Harold D., assignor to The G. C. A. Manufacturing Co., Pittsfield, Mass. Universal screw type lamp replacer. 2,357,104; Aug. 29.
Grinnell, Harold D., assignor to The G. C. A. Manufacturing Co., Pittsfield, Mass. Pull type lamp replacer. 2,357,105; Aug. 29.
Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Tool feeding mechanism. 2,356,997; Aug. 29.
Grossman, Darwin B., Lock Haven, Pa., assignor to Roxalin Flexible Finishes, Inc. Aircraft part and covering therefor. 2,356,927; Aug. 29.
Guiberson Corporation, The. (See Pranger, A., and Guiberson, assignor.)
Guiberson, Samuel A. (See Pranger, A., and Guiberson.)
Gulf Publishing Company, et al. (See Wauson, H. C., and Bennett, assignors.)
Gunthorp, Cecil H. (See Beck, Bjorn O. and H. L., and Gunthorp.)
Hagedorn, Max, Dessau, Germany; vested in the Alien Property Custodian. Manufacture of hydrophilic polymerization products of the superpolyamide type. 2,357,187; Aug. 29.
Hamilton Manufacturing Company. (See Froelich, George E., assignor.)
Hamilton Watch Company. (See Bennett, William O., Jr., assignor.)
Hamilton Watch Company. (See Bennett, W. O., Jr., and Drescher, assignors.)
Hamilton Manufacturing Company. (See Merrett, Earle E., assignor.)
Hammond Instrument Company. (See Hanert, John M., assignor.)
Hammond, John A. S., Glenbrook, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Manufacture of dichlorethane. 2,356,785; Aug. 29.
Hanert, John M., Wilmette, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,357,191; Aug. 29.
Haniquet, George, Glendale, Calif. Towing attachment. 2,356,998; Aug. 29.

Hann, Albert G., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,356,928; Aug. 29.

Hanson, C. H., Company, The. (See Jonsson, Helge S., assignor.)

Harbison-Walker Refractories Company. (See Pike, Robert D., assignor.)

Harley, Stanley Jaffa, and J. E. Wainwright, Coventry, England. Producing relief in screw threads. 2,357,192; Aug. 29.

Harman, Leonard F., Osborn, Ohio, and O. H. Snyder, San Diego, Calif. Airplane fuel system. 2,356,786; Aug. 29.

Harrington, Ferris T., and R. C. Griffith, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,357,107; Aug. 29.

Harris, Clifford G., Binghamton, N. Y. Bakery flavoring product and making same. 2,357,258; Aug. 29.

Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Radiation pyrometer. 2,357,193; Aug. 29.

Hart, Edwin J., Cedar Grove, N. J., assignor to United States Rubber Company, New York, N. Y. Anti-flex-cracking agents. 2,356,929; Aug. 29.

Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching mechanism. 2,357,108; Aug. 29.

Hasty, George. (See Cohen, M., Enoch, Hasty, and Jorgenson.)

Hathaway, Lawrence, assignor to Coventry Climax Engines Limited, Coventry, England. Trailer. 2,356,741; Aug. 29.

Hauer, Leon C., Pittsburgh, Pa., assignor to M. E. Cunningham Company. Tool holder. 2,357,045; Aug. 29.

Hawthorne, Louis A. (See Coss, H. T., MacAlpine, and Hawthorne.)

Hawthorne, Louis A. (See Coss, H. T., Hawthorne, and Zettel.)

Hayes Industries, Inc. (See Hollerith, Charles, assignor.)

Hazelton, Merrill W., Cincinnati, and R. S. Diserens, Mount Healthy, assignors to The Cincinnati Shaper Company, Cincinnati, Ohio. Gauging device. 2,357,194; Aug. 29.

Heath, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Grinding machine. 2,357,109; Aug. 29.

Heineman, Warren F., assignor to A. O. Smith Corporation, Milwaukee, Wis. Making bombshells. 2,357,110; Aug. 29.

Hellyar, Edwin G., assignor of seven-eighths to M. J. Hellyar and one-eighth to M. E. Hellyar, Norwichtown, Conn. Frame for transporting fabrics. 2,356,787; Aug. 29.

Hellyar, Miriam E., et al. (See Hellyar, Edwin G., assignor.)

Hellyar, Miriam J., et al. (See Hellyar, Edwin G., assignor.)

Helmond, William F., Clinton, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,356,842; Aug. 29.

Hemphill, Lawrence E., Fort Wayne, Ind., assignor to General Electric Company. Commutator. 2,357,111; Aug. 29.

Henry, Robert W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of improved lubricating oils. 2,356,843; Aug. 29.

Henry, Robert W. (See Montgomery, J. V., Goodson, and Henry.)

Hercules Powder Company. (See Barab, Jacob, assignor.)

Hercules Powder Company. (See Billing, Wyly M., assignor.)

Hercules Powder Company. (See Miller, Abraham B., assignor.)

Herrmann, Carl V., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Contact process for manufacturing sulphuric acid. 2,357,195; Aug. 29.

Herron, Albert O., assignor to Safety-Fuel Incorporated, West Cheshire, Conn. Stove for burning solidified hydrocarbon fuel. 2,356,788; Aug. 29.

Hewitt, Robert B., Marysville, Calif. Adjustable stool carriage. 2,357,046; Aug. 29.

Heyden Chemical Corporation. (See Barth, R. H., and Burrell, assignors.)

Heymann, Seymour E., assignor to Stewart-Warner Corporation, Chicago, Ill. Airplane heating system. 2,357,112; Aug. 29.

Hickling, Frederick O., West Bridgford, Nottingham, assignor to Ransom and Marles Bearing Company Limited, Newark-on-Trent, Nottingham, England. Cage for use in ball bearings. 2,357,196; Aug. 29.

Higgins, Andrew J., New Orleans, La. Heat dissipator for marine engines. 2,356,844; Aug. 29.

Hines, Robert B., Cleveland, Ohio, assignor to Bailey Meter Company. Gas analyzing apparatus. 2,356,845; Aug. 29.

Hirtensteiner, Walter E. (See Drescher, J. F., and Hirtensteiner.)

Hoe, R., & Co. (See Huck, W. F., and Wicking, assignors.)

Hoewischer, Frederick W. (See Woodberry, J. H., and Hoewischer.)

Hogan, John V. L., Forest Hills, assignor to Faximile, Inc., New York, N. Y. Facsimile scanner drum. 2,356,999; Aug. 29.

Holbrook, Bernard D., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,356,846; Aug. 29.

Hollerith, Charles, assignor to Hayes Industries, Inc., Jackson, Mich. Wheel construction. 2,357,000; Aug. 29.

Hollingsworth, Campbell, New York, N. Y. Aircraft. 2,357,200; Aug. 29.

Holst, Knute A., Astoria, assignor to Pitometer Log Corporation, New York, N. Y. Ship's speed indicator. 2,357,199; Aug. 29.

Holthe, John, Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Stall warning device. 2,356,847; Aug. 29.

Holtz, Ireneus B., Ashville, Pa. Buckle. 2,356,848; Aug. 29.

Holzmer, Matthew, Cleveland, and T. A. Neuhaus, Lakewood, assignors to The Glidden Company, Cleveland, Ohio. Varnish. 2,356,789; Aug. 29.

Hood, Arthur J., Reno, Nev. Shearing device. 2,357,197; Aug. 29.

Hooey, William C., South Orange, N. J., assignor to The New Jersey Zinc Company, New York, N. Y. Sintering. 2,357,198; Aug. 29.

Hope, John A., Lakewood, assignor, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland Ohio. Drill steel centralizer. 2,357,001; Aug. 29.

Horan, Timothy F., New Haven, Conn., assignor to Savage Arms Corporation, Utica, N. Y. Automatic firearm. 2,357,047; Aug. 29.

Horback, William, Newark, N. J., assignor to Celanese Corporation of America. Materials impermeable to ultra-violet radiations. 2,356,849; Aug. 29.

Horberg, William, Bridgeport, Conn. Forming conical frustums by progressive chamfering. 2,356,850; Aug. 29.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Drive for papermaking machines. 2,357,201; Aug. 29.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Apparatus for winding web materials. 2,357,202; Aug. 29.

Horne, Robert A., Gretna, La. Power press. 2,356,790; Aug. 29.

Horstkotte, William E., Spokane, Wash. Clothes drier. 2,356,930; Aug. 29.

Houdaille-Hershey Corporation. (See O'Connor, Bernard E., assignor.)

Houghland, Glen S., New York, N. Y., and C. C. King, Roselle, assignors to The M. W. Kellogg Company, Jersey City, N. J. Apparatus for distillation control. 2,357,113; Aug. 29.

Houser, William T., Memphis, Tenn. Valve. 2,357,002; Aug. 29.

Howe, Andrew F., University City, assignor of one-third to R. J. Niehaus, Jennings, and one-third to W. F. Niehaus, St. Louis, Mo. Shovel. 2,357,114; Aug. 29.

Huck, William F., Richmond Hill, and W. C. Wicking, Woodhaven, assignors to R. Hoe & Co., Inc., New York, N. Y. Web roll supporting mechanism. 2,357,259; Aug. 29.

Huenlich, Charles, Bloomfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonographic translating device. 2,356,851; Aug. 29.

Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Relay. 2,356,791; Aug. 29.

Hughes Tool Company. (See Lewis, William L., assignor.)

Hunter, Charles W., Bryn Mawr, Pa. Nonskid device. 2,356,931; Aug. 29.

Hurndall, John P., assignor to Petroleum Instrument Corporation, Los Angeles, Calif. Apparatus for measuring the viscosity and density of liquids. 2,357,003; Aug. 29.

Hutchinson, George W., Raleigh, N. C. Method and apparatus for making concrete pipe. 2,356,852; Aug. 29.

Interchemical Corporation. (See Opp, Carl, assignor.)

International Harvester Company. (See Scarlett, Arthur A., assignor.)

Interstate Aircraft and Engineering Corp. (See Drescher, J. F., and Hirtensteiner, assignors.)

Interstate Bakeries Corporation. (See Cohen, M., Enoch, Hasty, and Jorgenson, assignors.)

Jack & Heintz, Inc. (See Parks, Wesley E., assignor.)

Jack & Heintz, Inc. (See Seme, John J., assignor.)

Jack, William A., 3rd, North Plainfield, and A. Menzak, Jr., Manville, N. J. Sound-absorbing unit. 2,357,115; Aug. 29.

Jackson, Joseph G., Chicago, Ill., assignor to Ekco Products Company. Baking pan reinforcement. 2,357,048; Aug. 29.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock device. 2,357,004; Aug. 29.

Jacobs, James M. H., deceased, Dayton, Ohio; R. A. Jacobs, administratrix. Toy airplane. 2,357,005; Aug. 29.

Jacobs, Ruth A., administratrix. (See Jacobs, James M. H.)

Jasco, Incorporated. (See Thomas, R. M., and Sparks, assignors.)

Jayne, David W., Jr. (See Christmann, L. J., Jayne, and Erickson.)

Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded railway signaling apparatus. 2,357,235; Aug. 29.

Jimmes, Earl F. P., Milwaukee, Wis. Motor vehicle top carrier. 2,357,203; Aug. 29.

Johansen, Einar K. (See Glasner, R. W., and Johansen.)

Johns-Manville Corporation. (See Coss, Harold T., assignor.)

Johns-Manville Corporation. (See Coss, H. T., Hawthorne, and Zettel.)

Johns-Manville Corporation. (See Coss, H. T., MacAlpine, and Hawthorne, assignors.)

Johnson, Arthur B., Cleveland Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Tube bending machine. 2,357,006; Aug. 29.

Johnson, Ava J. (See Shiras, R. N., and Johnson.)

Johnson, Lawrence R., assignor to The Chandler & Price Company, Cleveland, Ohio. Platen printing press. 2,357,116; Aug. 29.

Jones, Howard A. (See Travis, B. V., and Jones.)

Jones, John L., Billerica, and J. W. Farmer, Watertown, assignors to Stockton Profile Gauge Corporation, Lowell, Mass. Area measuring machine. 2,356,761; Aug. 29.

Jones & Lamson Machine Company. (See Flanders, Ralph E., assignor.)

Jones, Paul C., Silver Lake, and R. A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Zinc salts of mercaptothiazolines. 2,356,932; Aug. 29.

Jones Paul C., and R. A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Vulcanization of rubber. 2,356,933; Aug. 29.

Jones, Richard E., Rapid City, S. Dak. Closure fastener. 2,357,007; Aug. 29.

Jonsson, Helge S., Villa Park, assignor to The C. H. Hanson Company, Chicago, Ill. Graduating and engraving machine. 2,357,117; Aug. 29.

Jorgenson, Gerald A. (See Cohen, M. Enoch, Hasty, and Jorgenson.)

Joyce, Percy E., Calcutta, India, assignor to Shell Development Company, San Francisco, Calif. Insecticide. 2,357,260; Aug. 29.

Joyner, George F., Norwalk, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation. Sheet metal shrinking machine. 2,357,204; Aug. 29.

Joyner, George O., St. Louis, and D. S. Myers, Kirkwood, Mo. Cam adjusting device. 2,357,008; Aug. 29.

Kaiser, Donald W., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of dicyandiamide salts. 2,357,261; Aug. 29.

Kalix, John, Dayton, Ohio. Hoist. 2,356,762; Aug. 29.

Kannee, Henry M. (See Lampe Charles E., Sr., assignor.)

Kaolin, Georgia, Company. (See Lyons, S. C., and Young, assignors.)

Kauffmann, Hans O., Eggertsville, assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Treating textiles and apparatus therefor. 2,357,262; Aug. 29.

Kearney & Trecker Corporation. (See Parson, Fred A., assignor.)

Keeler, Earl A., Norristown, assignor to The Brown Instrument Company, Philadelphia Pa. Measuring and control apparatus. 2,357,205; Aug. 29.

Keevil, Henry W. (See Barnes, W. C., and Keevil.)

Keinath, George, Larchmont, N. Y. Testing materials. 2,356,763; Aug. 29.

Keller, Gregory H., Helena, Ark., assignor of fifty per cent to R. E. McCormack, Albany, Ga. Sandwich making machine. 2,356,853; Aug. 29.

Kellogg, M. W., Company, The. (See Houghland, G. S., and King, assignors.)

Kellogg, M. W., Company, The. (See Rubin, Louis C., assignor.)

Kelly, John W. (See Ledwinka, J., and Kelly.)

Kendall, Paul D. (See Tresise, R. E., and Kendall.)

Kent Robert J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Lineman's cable car. 2,357,118; Aug. 29.

Kern, Rudolf, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Producing film-forming diamine-carbon disulphide condensation products. 2,356,764; Aug. 29.

Ketcham, Lyman G., Oaklyn, N. J., assignor to Radio Corporation of America. Mounting hollow structures. 2,356,934; Aug. 29.

Key Company. (See Gallop, Joseph W., assignor.)

Kimball, A., Company. (See Weimont, Joseph, assignor.)

King, Charles C. (See Houghland, G. S., and King.)

Kipnis, Frank. (See Gordon, S. M., and Kipnis.)

Kirk, Stanley B., New Rochelle, N. Y., assignor to The Linde Air Products Company. Treating welds. 2,356,854; Aug. 29.

Kirkpatrick, Scott C., Indianapolis, Ind. Storm sash and window screen structure. 2,357,119; Aug. 29.

Klages, Norman H., assignor to American Window Glass Company, Pittsburgh, Pa. Apparatus for scoring cover glass. 2,357,206; Aug. 29.

Klein, Stanley J., Englewood, assignor to Empire Box Corporation, Garfield, N. J. Carton. 2,357,009; Aug. 29.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,356,765; Aug. 29.

Kluson, John E., Chicago, Ill. Tuning head for stringed instruments. 2,356,766; Aug. 29.

Knapp-Monarch Company. (See Moeller, George L., assignor.)

Knowlton, Cutler D., Rockport, and D. Edgar, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating upon hides, skins, and leather. 2,356,855; Aug. 29.

Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Tuning mechanism. 2,356,935; Aug. 29.

Koehring Company. (See Clagett, William H., Jr., assignor.)

Komenak, Albert J., assignor to The Excelsior Hardware Company, Stamford, Conn. Detection seal. 2,356,856; Aug. 29.

Konrad, Alexander, Cleveland, Ohio. Washing bottle filling machines. 2,356,857; Aug. 29.

Kost, Harold W., Birmingham, assignor to Detroit Harvester Company, Detroit, Mich. Fastener applying tool. 2,357,207; Aug. 29.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Bale tie. 2,356,936; Aug. 29.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Producing polymeric materials. 2,356,767; Aug. 29.

Krueger, Erwin K., Denver, Colo. Loom picker. 2,357,010; Aug. 29.

Kuebert, Edward J., Bellmore, and J. P. Della Corte, Brooklyn, N. Y., assignors to Fairchild Camera and Instrument Corporation. Shock absorbing supporting device. 2,357,120; Aug. 29.

Kuhles, Edward K. (See Getz, C. A., and Kuhles.)

Kuhnl, Leopold, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Razor blade stack. 2,357,208; Aug. 29.

Kyle, Stanley C. (See Russell, D. A., and Kyle.)

Ladon, Aaron A., Evanston, Ill., assignor to Masonite Corporation, Laurel, Mich. Building construction. 2,356,768; Aug. 29.

Lamar Slide Fastener Corp. (See Natzke, Alfred G., assignor.)

Lampe, Charles E., Sr., Philadelphia, Pa., assignor of four-tenths to C. Lovejoy and one-tenth to H. M. Kannee, Washington, D. C. Mandrel. 2,357,011; Aug. 29.

Lanciani, Ettore, Milan, Italy; vested in the Alien Property Custodian. Armed rotating turret for aircraft. 2,357,209; Aug. 29.

Langley Alloys Limited. (See Evans, Frank C., assignor.)

Laurence, Ralph E., Fresno, Calif. Portable vulcanizer. 2,356,858; Aug. 29.

Layne, Leslie A., Houston, Tex. Washing gravel out of perforate well casings. 2,356,769; Aug. 29.

Lear, Earl B., Garfield Heights, assignor, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Capstan. 2,357,012; Aug. 29.

Leathers, Chester F., and G. E. Undy, assignors to Progressive Welder Company, Detroit, Mich. Welding method and apparatus. 2,356,859; Aug. 29.

Le Blonde, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)

Lederle Laboratories, Inc. (See Carlson, G. H., and Baker, assignors.)

Lederle Laboratories, Inc. (See Coca, Arthur F., assignor.)

Ledwinka, Joseph, assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,357,263; Aug. 29.

Ledwinka, Joseph, and J. W. Kelly, assignors to The Edward G. Budd Manufacturing Company, Philadelphia, Pa. Body and chassis underframe. 2,357,043; Aug. 29.

Leonard, Albert J., Hollywood, Calif. Lock with recessed handle for aircraft. 2,357,049; Aug. 29.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,357,210; Aug. 29.

Lewis, William L., Glendale, Calif., assignor to Hughes Tool Company, Houston, Tex. Mold for hollow bodies and constructing the mold. 2,356,860; Aug. 29.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Friction device. 2,356,743; Aug. 29.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,357,264; Aug. 29.

Lincoln, Bert H., and W. L. Steiner, assignors to Continental Oil Company, Ponca City, Okla. Sulphurized oils. 2,357,211; Aug. 29.

Linde Air Products Company, The. (See Kirk, Stanley B., assignor.)

Link, Harry W., Merion, Pa., assignor to The Baldwin Locomotive Works. Mechanical limit stop. 2,356,861; Aug. 29.

Locomotive Firebox Company. (See Pyle, Leslie R., assignor.)

Lohman, Henry E., Salina, Kans. Colter. 2,356,770; Aug. 29.
Lombard, Robert H., assignor to Norton Company, Worcester, Mass. Vitrified diamond grinding wheel. 2,356,937; Aug. 29.
Lombard, Robert H., assignor to Norton Company, Worcester, Mass. Vitrified diamond grinding wheel. 2,356,938; Aug. 29.
Lovejoy, Charles. (See Lampe, Charles E., Sr., assignor.)
Lovell, Lawrence L., Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif. Desulphurizing a hydrocarbon distillate. 2,357,121; Aug. 29.
Low-Beer, Eric. (See Berg, Gustav, assignor.)
Lucas, Noah. (See Lucas, Noah E., assignor.)
Lucas, Noah E., Norwich, assignor to N. Lucas, New Britain, Conn. Undercleaner roll. 2,357,265; Aug. 29.
Lyon Metal Products, Incorporated. (See O'Connor, J. B., and Bales, assignors.)
Lyons, Sanford C., Bennington, Vt., and D. H. Young, Dry Branch, Ga., assignors to Georgia Kaolin Company, Elizabeth, N. J. Mechanism for extruding moist clay and the like. 2,356,862; Aug. 29.
MacAlpine, William M. (See Coss, H. T., MacAlpine, and Hawthorne.)
Machinist, Harold, assignor to Dudley Lock Corporation, Chicago, Ill. Electric control device. 2,357,122; Aug. 29.
MacLaren, Frederick H., Munster, and E. W. Adams, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Coating composition. 2,356,863; Aug. 29.
Magazine Repeating Razor Company. (See Kuhnl, Leopold, assignor.)
Magee, Robert B., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Brake band structure for winches. 2,357,212; Aug. 29.
Magee, Robert C., Dayton, Ohio. Aircraft propeller. 2,356,772; Aug. 29.
Magnesium Elektron Limited. (See Roper-Lowe, Frank, and Sandison, assignors.)
Mahla, Walter T. (See Ericsson, K. A., and Mahla.)
Maige, George D., El Dorado, Ark. Flush valve actuator. 2,357,213; Aug. 29.
Malcolm, Harold O., Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mixing jet apparatus. 2,357,266; Aug. 29.
Mallory, P. R., Co. (See Huetten, Clarence, assignor.)
Mansell, Harvey C., Bristol, England. Sleeve-valve internal-combustion engine. 2,357,052; Aug. 29.
Marbon Corporation. (See Gebauer-Fuelnegg, E., Eilers, and Moffett.)
Marison, John A., San Jose, Calif. Vehicle wheel. 2,356,940; Aug. 29.
Markey, Roscoe I., East Orange, assignor to Pollak Manufacturing Company, Arlington, N. J. Disconnect plug receptacle. 2,357,216; Aug. 29.
Maronek, Frank R., Whitefish Bay, assignor to A. O. Smith Corporation, Milwaukee, Wis. Pilot control valve for gas heaters. 2,357,215; Aug. 29.
Marshall, Morris D., Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of sols. 2,356,773; Aug. 29.
Marshall, Morris D., Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of sols. 2,356,774; Aug. 29.
Martin, Glenn L., Company, The. (See Holthe, John, assignor.)
Martin, Glenn L., Company, The. (See Zitza, Curt L., assignor.)
Martin, Samuel M., and J. G. Miller, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Article manipulating apparatus. 2,356,864; Aug. 29.
Mason, William C., Slingerlands, assignor to A. D. Abbott, Albany, N. Y. Spray gun. 2,365,865; Aug. 29.
Masonite Corporation. (See Ladon, Aaron A., assignor.)
Mathes, Roger A. (See Jones, P. C., and Mathes.)
Maurer, Carl W. (See Ehret, J., Jr., and Maurer.)
Maxwell, Carl A., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Apparatus for producing pressure-tight tube and tube seat connections. 2,357,123; Aug. 29.
May, John W., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,357,217; Aug. 29.
May, Philipp. (See Pense, W., Asch, May, and Stärk.)
Maynard, Carl W., Jr. (See Rossander, S. S., Sparks, and Maynard.)
McCorkle, Miles R. (See Ralston, A. W., and McCorkle.)
McCormack, Robert E. (See Keller, Gregory H., assignor.)
McCormick, Lloyd A. (See Delp, M. Z., and McCormick.)
McCracken, John H., Oakland, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Orchard heater. 2,356,939; Aug. 29.
McCrum, Walter I., Belmar, assignor to Bowen Research Corporation, Garwood, N. J. Atomizer head. 2,357,050; Aug. 29.
McDole, John K. Bradner, Ohio. Fishing tackle box and chair. 2,357,214; Aug. 29.
McKinley, Rex V., Vicksburg, Miss. Stencil washing apparatus. 2,356,771; Aug. 29.
McKinnis Foods. (See McKinnis, Ronald B., assignor.)
McKinnis, Ronald B., assignor, by mesne assignments, to R. B. McKinnis, doing business as McKinnis Foods, Winter Haven, Fla. Control system for fillers. 2,357,013; Aug. 29.
McLaine, William L., Los Angeles, Calif. Drilling speed recorder. 2,357,051; Aug. 29.
McQuay, Inc. (See Wilson, Donald P., assignor.)
Mechlin, William H., assignor to The Bauer Brothers Company, Springfield, Ohio. Separator. 2,356,775; Aug. 29.
Melton, Romie L., and R. C. Benner, assignors to The Carborundum Company, Niagara Falls, N. Y. Manufacture of abrasive disk materials. 2,356,866; Aug. 29.
Menzak, Andrew, Jr. (See Jack, W. A., 3d, and Menzak.)
Merck & Co. (See Gray, John S., assignor.)
Merck & Co. (See van de Kamp, Jacob, assignor.)
Merlub-Sobel, Menahem, Jersey City, N. J., and J. M. Bialosky, Portsmouth, assignors to W. L. Ulmer, Cleveland Heights, Ohio. Flux composition. 2,357,014; Aug. 29.
Merrett, Earle E., Manitowoc, assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Crib construction. 2,357,218; Aug. 29.
Mestel, Aaron A. (See Mestel, N., and Berman, assignors.)
Mestel, Nathan, and J. Berman, New York, assignors to A. A. Mestel, Brooklyn, N. Y. Garment case. 2,357,015; Aug. 29.
Meyer, Frank F., near San Jose, Calif. Trailer support. 2,356,941; Aug. 29.
Meyers, Stanley T., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative resistance loading. 2,356,867; Aug. 29.
Mid-West Forging & Mfg. Co. (See Bardell, Nicholas J., assignor.)
Midwest Hydraulics, Inc. (See Glasner, R. W., and Johansen, assignors.)
Milarta, Louis E. (See De Monte, R. W., and Milarta.)
Miller, Abraham B., Newark, assignor to Hercules Powder Company, Wilmington, Del. Binding agents for linoleum, mastic tile, etc. 2,357,016; Aug. 29.
Miller, Abraham B., deceased, by H. E. Miller, Newark, assignor to Hercules Powder Company, Wilmington, Del. Stabilization of soil. 2,357,124; Aug. 29.
Miller, Demont G. (See Miller, George, assignor.)
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear finishing tool. 2,356,868; Aug. 29.
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Method and apparatus for generating gears by planetary motion. 2,356,869; Aug. 29.
Miller, George, San Marino, assignor to D. G. Miller, Los Angeles County, Calif. Composition for preparation of oil base drilling fluid. 2,356,776; Aug. 29.
Miller, Hazel E., administratrix. (See Miller, Abraham B.)
Miller, John G. (See Martin, S. M., and Miller.)
Miller, Logan C., Ann Arbor, and H. A. Chubbuck, assignors to Ford Motor Company, Dearborn, Mich. Electrical apparatus and method. 2,357,017; Aug. 29.
Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Light metal flux. 2,357,125; Aug. 29.
Miller Pottery Engineering Company. (See Croninger, George J., assignor.)
Miller, Raymond J., Detroit, Mich. Smoking appliance. 2,357,018; Aug. 29.
Miller, Stuart P., Scarsdale, N. Y., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Mastic composition and flooring. 2,356,870; Aug. 29.
Mills, Burton L., assignor to Clark Equipment Company, Buchanan, Mich. Dual wheel mounting. 2,356,942; Aug. 29.
Minneapolis-Honeywell Regulator Company. (See Pond, Bertram P., assignor.)
Minnesota Mining & Manufacturing Company. (See Oakes, B. J., and Murray, assignors.)
Moeller, George L., assignor to Knapp-Monarch Company, St. Louis, Mo. Fan construction. 2,357,053; Aug. 29.
Moffett, Eugene W. (See Gebauer-Fuelnegg, E., Eilers, and Moffett.)
Moffett, Eugene W., and R. E. Smith, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Conjoint polymerization products. 2,356,871; Aug. 29.
Monaco, Antonio, Maspeth, Long Island, N. Y. Knife. 2,356,872; Aug. 29.
Monsanto Chemical Company. (See Marshall, Morris D., assignor.)
Monsanto Chemical Company. (See Taylor, G. E., and Erdman, assignors.)
Montgomery, James V., Okmulgee, Okla., L. B. Goodson, Borger, Tex., and R. W. Henry, Bartlesville, Okla., assignors to Phillips Petroleum Company. Refining mineral oils. 2,356,777; Aug. 29.
Moran, Joseph P. (See Mott, Norman S., assignor.)
Morang, E. N., et al. (See Steinharter, Stanley S., assignor.)
Morris Motors Limited. (See Dono, G. E., and Goddard, assignors.)
Morrison, Willard L., Lake Forest, Ill. Evaporator unit construction. 2,356,778; Aug. 29.
Morrison, Willard L., Lake Forest, Ill. Apparatus for freezing foods. 2,356,779; Aug. 29.

Morrison, Willard L., Lake Forest, Ill. Apparatus for freezing foods. 2,356,780; Aug. 29.
Morrison, Willard L., Lake Forest, Ill. Refrigerating apparatus. 2,356,781; Aug. 29.
Mott, Norman S., assignor of one-half to J. P. Moran, Westfield, N. J. Corrosion-resistant ferrous alloys. 2,357,219; Aug. 29.
Muddiman, Earll R., Wilkinsburg, Pa., assignor to Carnegie-Illinois Steel Corporation. Hoisting hook for apertured articles. 2,357,054; Aug. 29.
Muggleton, Gerald D., Appleton, assignor to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis. Coating apparatus. 2,356,873; Aug. 29.
Muller, Lloyd E., Flint, assignor to General Motors Corporation, Detroit, Mich. Internal-combustion engine exhaust system. 2,356,782; Aug. 29.
Murray, Dean K. (See Oakes, B. J., and Murray.)
Mydans, William E., Cambridge, Mass. Speed control and synchronizing device. 2,357,055; Aug. 29.
Myers, Donald S. (See Joyner, G. O., and Myers.)
Myers, Joseph W. (See Roesch, S. J., and Myers.)
Nachtman, John S., Beaver, Pa. Alloying and fusing process. 2,357,126; Aug. 29.
Nageotte, Rene F., Waterbury, Conn. Dispensing container. 2,356,874; Aug. 29.
Nassau Smelting & Refining Company. (See Stack, James R.)
National Engineering Foundation, Inc. (See Farrell, Joseph E., assignor.)
National Tube Company. (See Bannister, Bryant, assignor.)
National Tube Company. (See Ericsson, K. A., and Mahla, assignors.)
Natzke, Alfred G., Lynbrook, assignor to Lamar Slide Fastener Corp., New York, N. Y. Mechanism for rolling wire. 2,356,783; Aug. 29.
Nefzger, Hans A., Hackensack, assignor to New Jersey Machine Corporation, Hoboken, N. J. Labeling machine. 2,356,875; Aug. 29.
Neitzel, Franz. (See Glenz, K., and Neitzel.)
Nelson, Virginia P., New York, N. Y. Attaching bracket for canopy supports and canopies. 2,357,056; Aug. 29.
Neuhaus, Theodore A. (See Holzmer, M., and Neuhaus.)
New Jersey Machine Corporation. (See Nefzger, Hans A., assignor.)
New Jersey Zinc Company, The. (See Hooey, William C., assignor.)
Newkirk, Clarence E., Orange, Calif. Disk harrow. 2,356,876; Aug. 29.
Niehaus, Ralph J. (See Howe, Andrew F., assignor.)
Niehaus, William F. (See Howe, Andrew F., assignor.)
North American Aviation, Inc. (See Seifried, Richard, assignor.)
North, John D., assignor to Boulton Paul Aircraft Limited, Wolverhampton, England. Feeding belt ammunition to heavy machine guns. 2,357,127; Aug. 29.
Norton Company. (See Lombard, Robert H., assignor.)
Norwine, Andrew C., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in two-way signaling systems. 2,356,943; Aug. 29.
Nowak, Alois K., and T. W. Bannon, Berwyn, assignors to Clearing Machine Corporation, Chicago, Ill. Hydraulic double-action draw press. 2,357,019; Aug. 29.
Nygaard, Edwin M. (See Berger, H. G., Nygaard, and Angel.)
Nystrom, Karl F., Milwaukee, Wis. Car truck side frames. 2,357,020; Aug. 29.
Oakes, Alfred C., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Automatic cutting apparatus. 2,356,877; Aug. 29.
Oakes, Byron J., and D. K. Murray, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Liquid composition of polishing and the like. 2,356,792; Aug. 29.
O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic damper. 2,357,278; Aug. 29.
O'Connor, John B., and J. E. Bales, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Collapsible chair. 2,356,793; Aug. 29.
Oil Well Supply Company. (See Adams, James W., assignor.)
Oldham, Gordon V., et al. (See Blaes, Edward G., assignor.)
Olson, Albin N., Oshkosh, Nebr. Grain elevator. 2,357,220; Aug. 29.
Opp, Carl, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y. Alkyd resin as plasticizer. 2,357,221; Aug. 29.
Owen, Harold R., assignor to Electrical Products Corporation, Los Angeles, Calif. Lighting fixture. 2,357,057; Aug. 29.
Packer, Howard. (See Bowman, M. I., and Packer.)
Painter, Frank F., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Vehicular glazing construction. 2,356,878; Aug. 29.
Paraphone Hearing Aid, Inc. (See Tresise, R. E., and Kendall, assignors.)
Parks, Wesley E., Bedford, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Work holder. 2,357,128; Aug. 29.
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Transmission and control mechanism. 2,357,222; Aug. 29.
Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray nozzle. 2,356,944; Aug. 29.
Peiker, Alfred L., East Bound Brook, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Resin emulsion vehicle. 2,356,794; Aug. 29.
Pense, Walter, and W. Asch, Frankfort-on-the-Main, P. May, Ludwigshafen-on-the-Rhine, and H. Stärk, Bad Sodden in Taunus, Germany; vested in the Alien Property Custodian. Preparing lustrous coatings. 2,356,879; Aug. 29.
Perlman, Abraham J., Brooklyn, N. Y. Removable partition carrier for bottles. 2,357,129; Aug. 29.
Pesznecker, Stephen P., Portland, Oreg. Vegetable and fruit graders. 2,356,945; Aug. 29.
Petroleum Instrument Corporation. (See Hurndall, John P., assignor.)
Philco Radio and Television Corporation. (See Thompson, Milton L., assignor.)
Phillips Petroleum Company. (See Frey, Frederick E., assignor.)
Phillips Petroleum Company. (See Frey, F. E., and Snow, assignors.)
Phillips Petroleum Company. (See Henry, Robert W., assignor.)
Phillips Petroleum Company. (See Montgomery, J. V., Goodson, and Henry, assignors.)
Phillips Petroleum Company. (See Schulze, Walter A., assignor.)
Pignone, Joseph, Brooklyn, assignor to Universal Camera Corporation, New York, N. Y. Reflex camera. 2,356,880; Aug. 29.
Pike, Robert D., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Production of magnesium chloride from calcium chloride and dolomite. 2,357,130; Aug. 29.
Pitometer Log Corporation. (See Holst, Knute A., assignor.)
Pittsburgh Plate Glass Company. (See Cady, George H., assignor.)
Pittsburgh Plate Glass Company. (See Gregory, John J., assignor.)
Pittsburgh Plate Glass Company. (See Moffett, E. W., and Smith, assignors.)
Pittsburgh Plate Glass Company. (See Oakes, Alfred C., assignor.)
Pittsburgh Plate Glass Company. (See Painter, Frank F., assignor.)
Pittsburgh Plate Glass Company. (See Reis, Joseph J., Jr., assignor.)
Pittsburgh Plate Glass Company. (See Shomperlen, Albert L., assignor.)
Pittsburgh Plate Glass Company. (See Smith, Roy E., assignor.)
Poarch, Arthur E., Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio. Treating protein. 2,356,795; Aug. 29.
Pollak Manufacturing Company. (See Markey, Roscoe I., assignor.)
Pollock, Leo, New York, N. Y. Tool. 2,356,881; Aug. 29.
Pond, Bertram P., River Forest, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor. 2,357,021; Aug. 29.
Porter, Rotheus B., Jr., Stamford, Conn., assignor to Bennett Incorporated, Cambridge, Mass. Dispersions of thermoplastic hydrocarbons. 2,356,882; Aug. 29.
Powers, Frank T., Glen Cove, N. Y. Plate whirler. 2,356,946; Aug. 29.
Pranger, Albert, and S. A. Guiberson, III, assignors to The Guiberson Corporation, Dallas, Tex. Packer for pressure drilling head. 2,356,947; Aug. 29.
Process Management Company. (See Taylor, H. S., Fehrer, and Turkevich, assignors.)
Procter & Gamble Company, The. (See Wood, Richard C., assignor.)
Proctor & Schwartz, Inc. (See Roesch, S. J., and Myers, assignors.)
Productive Inventions, Inc. (See Smulski, Theodore J., assignor.)
Progressive Welder Company. (See Leathers, C. F., and Undy, assignors.)
Prue, Walter W., Auburn, Maine, assignors to United Shoe Machinery Corporation, Flemington, N. J. Work holding and masking device. 2,356,883; Aug. 29.
Purvin, Benjamin R., assignor to Barber-Colman Company, Rockford, Ill. Metal-cutting tool. 2,356,796; Aug. 29.
Putnam, John P., assignor to The Reece Button Hole Machine Company, Boston, Mass. Navigation instrument. 2,357,131; Aug. 29.
Pyle, Leslie R., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive front end. 2,357,223; Aug. 29.
Radio Corporation of America. (See Biancha, Felix C., assignor.)
Radio Corporation of America. (See Ketcham, Lyman G., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)

Radio Corporation of America. (See Young, Charles J., assignor.)
Ralston, Anderson W., and M. R. McCorkle, assignors to Armour and Company, Chicago, Ill. Mercurated allphatic amines. 2,356,884; Aug. 29.
Ramsay, Charles S., Gary, Ind. Apparatus for rolling rounds. 2,357,058; Aug. 29.
Ransome and Marles Bearing Company Limited. (See Hickling, Frederick O., assignor.)
Ray, William A., Los Angeles, Calif. Indicator for manual reset valves. 2,357,059; Aug. 29.
Raybon, Sidney C., Pensacola, Fla. Valve. 2,357,022; Aug. 29.
Raytheon Manufacturing Company. (See Klemperer, Hans, assignor.)
Reany, Burney V., Kansas City, Mo. Vertical blade attachment for elevating graders. 2,356,797; Aug. 29.
Reconstruction Finance Corporation. (See Getz, C. A., and Kuhles, assignors.)
Reconstruction Finance Corporation. (See Getz, Charles A., assignor.)
Reconstruction Finance Corporation. (See Williamson, Hilding V., assignor.)
Reece Button Hole Machine Company, The. (See Putnam, John P., assignor.)
Reed, Exa G., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Covering articles. 2,356,948; Aug. 29.
Reed, Jesse O., Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office. Apparatus for melting and processing crude oleoresin. 2,356,798; Aug. 29.
Reeve, Murlin, Royal Oak, Mich. Taper boring tool. 2,357,132; Aug. 29.
Reeves, Arthur E., Los Angeles, Calif. Light change apparatus. 2,356,885; Aug. 29.
Reichstein, Tadeus, Basel, Switzerland, assignor to the firm of Roche-Organon Incorporated, Nutley, N. J. Manufacture of esters of the suprarenal cortical hormone series. 2,357,224; Aug. 29.
Reid, Oliver W., and E. D. Erasmus, Germiston, Union of South Africa. Liquid level measuring apparatus. 2,357,023; Aug. 29.
Reis, Joseph J., Jr., Catonsville, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Process and apparatus for producing filaments. 2,356,886; Aug. 29.
Rendelstein, Max, Brussels, Belgium; vested in the Alien Property Custodian. Blower. 2,357,279; Aug. 29.
Revere Camera Company. (See Briskin, T. S., and Sperry, assignors.)
Richardson, Eric. (See Wilkinson, Albert R. J., assignor.)
Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Pressure actuated valve. 2,357,133; Aug. 29.
Ridge, Raymond J. (See Breckenridge, F., and Ridge.)
Robins, Adolf, White Plains, assignor to Tip Top Toy Company, New York, N. Y. Helicopter toy. 2,357,134; Aug. 29.
Robins, Stanley J., New York, N. Y. Gauge. 2,357,024; Aug. 29.
Robinson, John, Altadena, Calif. Rate of ascent and descent indicator for aircraft. 2,357,060; Aug. 29.
Roblin, Richard O., Jr., Old Greenwich, and G. W. Anderson, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing sulphanilylalkylisoureas. 2,356,949; Aug. 29.
Roblin, Richard O., Jr., Old Greenwich, and G. W. Anderson, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of sulphonyl aryl biguanides. 2,357,268; Aug. 29.
Roche-Organon Incorporated. (See Reichstein, Tadeus, assignor.)
Roesch, Stephen J., and J. W. Myers, assignors to Proctor & Schwartz, Inc., Philadelphia, Pa. Electrical switch. 2,357,225; Aug. 29.
Rohrbach, John J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Top arm spectacles. 2,357,267; Aug. 29.
Root Manufacturing Company, The. (See Root, Ralph R., assignor.)
Root, Ralph R., Lakewood, assignor to The Root Manufacturing Company, Cleveland, Ohio. Dusting and spraying apparatus. 2,356,950; Aug. 29.
Roper, Geo. D., Corporation. (See Sandberg, Folke, assignor.)
Roper-Lowe, Frank, Burnham, and R. Sandison, Worsley, near Manchester, assignors to Magnesium Elektron Limited, London, England. High temperature reaction and furnace therefor. 2,357,135; Aug. 29.
Rossander, Swanie S., C. E. Sparks, and C. W. Maynard, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized diazo printing pastes. 2,357,226; Aug. 29.
Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Atomizing spreader for sprinkler heads. 2,357,227; Aug. 29.
Roxalin Flexible Finishes, Inc. (See Grossman, Darwin B., assignor.)
Rubin, Louis C., West Caldwell, assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalytically converting hydrocarbon oils. 2,357,136; Aug. 29.
Runton, Leslie A., Dracut, assignor to M. T. Stevens & Sons Co., North Andover, Mass. Marking machine. 2,356,951; Aug. 29.
Rushing, Fred L. (See Williams, B. M., and Rushing.)
Russell, David A., and S. C. Kyle, Youngstown, Ohio. Treating ferrous metal articles. 2,357,269; Aug. 29.
Rust, Schuyler H., et al. (See Blaes, Edward G., assignor.)
Rutishauser, Georg, Triboltingen, Switzerland. Manufacture of strongly curled, woollike twisted yarns of endless threads. 2,356,887; Aug. 29.
Ryan, George F., Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Link for hinge lasts. 2,356,888; Aug. 29.
Safety-Fuel Incorporated. (See Herron, Albert O., assignor.)
Salt Water Control, Inc. (See Erwin, Ransome W., assignor.)
Sammons, John M. (See Sohaney, J. J., and Sammons.)
Sandberg, Folke, assignor to Geo. D. Roper Corporation, Rockford, Ill. Reinforced sheet metal cabinet construction. 2,357,025; Aug. 29.
Sandison, Robert. (See Roper-Lowe, Frank, and Sandison.)
Savage Arms Corporation. (See Horan, Timothy F., assignor.)
Scarlett, Arthur A., assignor to International Harvester Company, Chicago, Ill. Agricultural implement. 2,356,889; Aug. 29.
Scherbatskoy, Serge A., Tulsa, Okla. Phonograph. 2,357,026; Aug. 29.
Schlumberger Well Surveying Corporation. (See Doll, Henri G., assignor.)
Schneider, Fred B., Wesleyville, Pa., assignor to General Electric Company. Shutter construction. 2,357,137; Aug. 29.
Schubert, Elmer G. (See Treese, L. S., and Schubert.)
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydration of fluids. 2,356,890; Aug. 29.
Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Protective system. 2,357,138; Aug. 29.
Seewer, Paul W., Rugby, assignor to The English Electric Company Limited, London, England. Operating gear for adjustable propeller blades. 2,357,229; Aug. 29.
Seewer, Paul W., Rugby, assignor to The English Electric Company Limited, London, England. Hydraulic turbine. 2,357,228; Aug. 29.
Seidel, George R. (See Daiger, W. H., and Seidel.)
Seiffert, Otto E., Detroit, Mich. Key for locks. 2,356,891; Aug. 29.
Selfried, Richard, assignor to North American Aviation, Inc., Inglewood, Calif. Bending and beveling machine. 2,357,027; Aug. 29.
Seme, John J., Maple Heights, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Snap ring assembling tool. 2,357,139; Aug. 29.
Shade, Robert W., Vancouver, British Columbia, Canada. Power chain saw. 2,357,230; Aug. 29.
Shannon, James F., Bellevue, Wash. Fireplace screen. 2,356,892; Aug. 29.
Sheffield, Washington K. (See Wetherby-Williams, A. V., and Sheffield.)
Shell Development Company. (See de Ridder, Gysbert F., assignor.)
Shell Development Company. (See Evans, T. W., and Finch, assignors.)
Shell Development Company. (See Grenot, Leo D., assignor.)
Shell Development Company. (See Joyce, Percy E., assignor.)
Shell Development Company. (See Lovell, Lawrence L., assignor.)
Shell Development Company. (See Shiras, R. N., and Johnson, assignors.)
Shell Development Company. (See Standefer, Rufus B., assignor.)
Shell Development Company. (See Wachter, Aaron, assignor.)
Shiras, Russell N., and A. J. Johnson, Oakland, assignors to Shell Development Company, San Francisco, Calif. Solvent extraction process. 2,357,028; Aug. 29.
Shomperlen, Albert L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheney County, Pa. Capping apparatus. 2,356,893; Aug. 29.
Shure Brothers. (See Bauer, Benjamin B., assignor.)
Shure, Frances, et al., trustee. (See Bauer, Benjamin B., assignor.)
Shure, S. N., et al. (See Bauer, Benjamin B., assignor.)
Shuron Optical Company. (See Rohrbach, John J., assignor.)
Sias, Frederick R., Marblehead, Mass., assignor to General Electric Company. Temperature indicator. 2,357,140; Aug. 29.
Simonton, Theodore E. (See Gilson, Irving R., assignor.)
Sims, John C., Jr., Philadelphia, Pa., assignor to The Baldwin Locomotive Works. Universal resonant type fatigue testing machine. 2,356,894; Aug. 29.

Sinclair Refining Company. (See Teter, John W., assignor.)
Singleton, John H., Prattville, Ala. Poison or fertilizer distributing machine. 2,357,141; Aug. 29.
Skiles, Benjamin F. (See Cole, J. E., and Skiles.)
Sleeper, Henry A., Sacramento, Calif. Badge. 2,357,231; Aug. 29.
Smith, A. O., Corporation. (See Burggraf, Albert W., assignor.)
Smith, A. O., Corporation. (See Chyle, John J., assignor.)
Smith, A. O., Corporation. (See Heath, William C., assignor.)
Smith, A. O., Corporation. (See Heineman, Warren F., assignor.)
Smith, A. O., Corporation. (See Maronek, Frank R., assignor.)
Smith, Drum and Company. (See Drum, H. S., and Dodson, assignors.)
Smith, Howard B., Washington, D. C. Typewriting machine. 2,357,142; Aug. 29.
Smith-Johnson Corporation. (See Smith, Neil V., assignor.)
Smith, Neil V., assignor to Smith-Johnson Corporation, Los Angeles, Los Angeles, Calif. Lubricant handling device. 2,357,029; Aug. 29.
Smith, Neil V., assignor to Smith-Johnson Corporation, Los Angeles, Calif. Lubricant pumping apparatus. 2,357,030; Aug. 29.
Smith, Richard G., Amsterdam, N. Y. Discharge and pickup apparatus for traveling toy railway cars. 2,356,895; Aug. 29.
Smith, Robert C., New Haven, Conn. Adjustable gauge. 2,357,143; Aug. 29.
Smith, Roy E. (See Moffett, E. W., and Smith.)
Smith, Roy E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheney County, Pa. Preparation of powders from plastic materials. 2,356,896; Aug. 29.
Smith, William A., Hamburg, N. Y. Conversion of petroleum oils. 2,356,952; Aug. 29.
Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper arm. 2,357,280; Aug. 29.
Snow, Robert D. (See Frey, F. E., and Snow.)
Snow, Virgil L., assignor to The Euclid Road Machinery Co., Euclid, Ohio. Filter and solids trap. 2,356,953; Aug. 29.
Snyder, Jacob R., and A. Townhill, assignors to Thompson Products Incorporated, Clevenand, Ohio. Quick disconnect coupling. 2,357,232; Aug. 29.
Snyder, Orval H. (See Harman, L. F., and Snyder.)
Socony-Vacuum Oil Company. (See Berger, H. G., Nygaard, and Angel, assignors.)
Socony-Vacuum Oil Company. (See Dunham, George S., assignor.)
Socony-Vacuum Oil Company. (See Malcolm, Harold O., assignor.)
Sohaney, John J., and J. M. Sammons, Williamson, W. Va. Waste retainer. 2,357,233; Aug. 29.
Soundscriber Corporation, The. (See Thompson, Lincoln, assignor.)
Subscriber Corporation, The. (See Thompson, L., and Stone, assignors.)
Sparks, Chiles E. (See Rossander, S. S., Sparks, and Maynard.)
Sparks, William J. (See Thomas, R. M., and Sparks.)
Sperry Gyroscope Company. (See Carter, Leslie F., assignor.)
Sperry, Helen B., executrix. (See Briskin, T. S., and Sperry.)
Sperry, Philmore F. (See Briskin, T. S., and Sperry.)
Squibb, E. R., & Sons. (See van Dyke, H. B., Greep, and Chow, assignors.)
Stabler, Dwight W., Venice, Calif. Internal-combustion engine. 2,357,031; Aug. 29.
Stack, Alvilda L., executrix. (See Stack, James R.)
Stack, James R., deceased, Montpelier, Vt., by A. L. Stack, Pittsburgh, Pa., executrix, assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Electrodeposition of metal. 2,356,897; Aug. 29.
Stair, Carlyle B., Downers Grove, Ill. Surface treating apparatus for poles. 2,357,144; Aug. 29.
Stambaugh, Paul H., assignor to Union Starch & Refining Co., Columbus, Ind. Dispensing discrete quantities of corn syrup. 2,357,270; Aug. 29.
Standard Lime and Stone Company, The. (See Garvin, William D., assignor.)
Standard Oil Company. (See MacLaren, F. H., and Adams, assignors.)
Standard Oil Company of California. (See Farrington, B. B., Clayton, and Eetzler, assignors.)
Standefer, Rufus B., Mene Grande, Venezuela, assignor to Shell Development Company, San Francisco, Calif. Full hole cementing device. 2,357,145; Aug. 29.
Staples, Crawford E., Pittsburgh, assignor to The Union Swith & Signal Company, Swissvale, Pa. Coded railway signaling apparatus. 2,357,234; Aug. 29.
Stärk, Hermann. (See Pense, W., Asch, May, and Stärk.)
Stattner, Joseph T., New York, N. Y. Clock control for radios. 2,357,061; Aug. 29.
Stechbart, Bruno, Park Ridge, assignor to The Bell & Howell Company, Chicago, Ill. Signal device. 2,357,146; Aug. 29.
Steiner, Waldo L. (See Lincoln, B. H., and Steiner.)
Steinharter, Augusta K., et al. (See Steinharter, Stanley S., assignor.)
Steinharter, Carlisle Y., et al. (See Steinharter, Stanley S., assignor.)
Steinharter, Stanley S., assignor of one-fifth to A. K. Steinharter, and one-fifth to C. Y. Steinharter, Cincinnati, Ohio, and one-fifth to N. P. Swift, one-fifth to E. N. Morang, and one-fifth to A. West, Detroit, Mich. Wool pulling and sorting. 2,356,898; Aug. 29.
Stelzer, William Detroit, Mich. Hydraulic booster. 2,357,032; Aug. 29.
Stevens, M. T., & Sons Co. (See Runton, Leslie A., assignor.)
Stewart-Warner Corporation. (See Heymann, Seymour E., assignor.)
Stewart-Warner Corporation. (See Whitted, John B., assignor.)
Stockton Profile Gauge Corporation. (See Jones, J. L., and Farmer, assignors.)
Stoll, Henry C., Jackson Heights, N. Y. Angle plate for lathes. 2,357,062; Aug. 29.
Stone, Robert L. (See Thompson, L., and Stone.)
Stout, Raymond K. (See Crane, C. J., and Stout.)
Studebaker Corporation, The. (See Delp, M. Z., and McCormick, assignors.)
Studebaker Corporation, The. (See Wagner, Edward F., assignor.)
Stutter, Clinton, Maspeth, N. Y. Hydraulic jack. 2,356,899; Aug. 29.
Swift, Parker N., et al. (See Steinharter, Stanley S., assignor.)
Swing, Raymond F., Seattle, Wash. Ice-guard. 2,357,063; Aug. 29.
Tate, Malcolm C., Stamford, Conn., assignor to The Baldwin Locomotive Works. Multiple load range weighing system. 2,357,272; Aug. 29.
Taylor, Cecil E. (See de Mian, S. and Taylor.)
Taylor, George E., and A. G. Erdman, Anniston, Ala., assignors to Monsanto Chemical Company. Producing insoluble sodium metaphosphate. 2,356,799; Aug. 29.
Taylor, George W., Leeds, England. Wrapper for bottles or phials. 2,357,147; Aug. 29.
Taylor, Hugh S., H. Fehrer, and J. Turkevich, Princeton, N. J., assignors to Process Management Company, Inc., Wilmington, Del. Hydrocarbon conversion. 2,357,271; Aug. 29.
Taylor Stoker Company Limited. (See Watson, Thomas G. W., assignor.)
Teletype Corporation. (See Zenner, Walter J., assignor.)
Tennessee Coal, Iron and Railroad Company. (See Auten, Claude I., assignor.)
Ternstedt Manufacturing Company. (See Conlon, James L. assignor.)
Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalytic cracking. 2,356,954; Aug. 29.
Texas Company, The. (See Barron, Joseph M., assignor.)
Thomas, Robert M., Union, N. J., and W. J. Sparks, Alexandria, Va., assignors, by mesne assignments, to Jasco, Incorporated. Compositions. 2,356,955; Aug. 29.
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,357,236; Aug. 29.
Thompson, Lincoln, Cheshire, assignor to The Soundscriber Corporation, New Haven, Conn. Pickup feed mechanism for phonographs. 2,357,033; Aug. 29.
Thompson Lincoln, Cheshire, and R. L. Stone, Orange, assignors to The Soundscriber Corporation, New Haven, Conn. Counterbalanced pickup arm. 2,357,034; Aug. 29.
Thompson, Milton L., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Remote control system for radio receivers and the like. 2,357,237; Aug. 29.
Thompson Products Incorporated. (See Snyder, J. R., and Townhill, assignors.)
Thorne, Robert W., U. S. Army, Schofield Barracks, Hawaii. Hoist. 2,356,800; Aug. 29.
Thurber, Elmer A., Brooklyn, N. Y., and L. A. Wooten, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carbonizing. 2,356,956; Aug. 29.
Thurston, Jack T. Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Textile finishing. 2,357,273; Aug. 29.
Tip Top Toy Company. (See Robins, Adolf, assignor.)
Torrington Company, The. (See Ball, Charles P., Jr., assignor.)
Townhill, Arthur. (See Snyder, J. R., and Townhill.)
Travis, Bernard V., and H. A. Jones, Orlando, Fla., assignors to the United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Insect repellent composition. 2,356,801; Aug. 29.
Treese, Lee S., Dearborn, and E. G. Schubert, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Variable speed drive. 2,357,035; Aug. 29.

Tresise, Raleigh E., Cleveland Heights, and P. D. Kendall, Maple Heights, assignors to Paraphone Hearing Aid, Inc., Cleveland, Ohio. Battery box or container. 2,357,274; Aug. 29.
Trimble, Averal T., St. Petersburg, Fla. Process and apparatus for treating blood. 2,357,238; Aug. 29.
Trumbull Electric Manufacturing Company, The. (See Carlson, Elmer T. assignor.)
Turinsky, Otto, Palatine, Ill. Smoking pipe. 2,357,239; Aug. 29.
Turkevich, John. (See Taylor, H. S., Fehrer, and Turkevich.)
Turner, David, Cedar Rapids, Iowa. Burial vault. 2,356,957; Aug. 29.
Turner, James H., assignor to Allied Equipment Company, Detroit, Mich. Tank mounting. 2,357,148; Aug. 29.
Tuttle, Frank B., Norristown, Pa., assignor to General Electric Company. Arc welding apparatus. 2,356,802; Aug. 29.
Ulmer, William L. (See Merlub-Sobel, M., and Bialosky, assignors.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Undy, Gustav E. (See Leathers, C. F., and Undy.)
Union-Baystate Co. Inc. (See Fleuriel, Paul M., assignor.)
Union Starch & Refining Co. (See Stambaugh Paul H., assignor.)
Union Switch & Signal Company, The. (See Jerome, Arthur L., assignor.)
Union Switch & Signal Company, The. (See Staples, Crawford E., assignor.)
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
Union Switch & Signal Company, The. (See Van Horn, James J., assignor.)
Unique Manufacturing Co. (See Goller, E. E., and Foster, assignors.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Knowlton, C. D. and Edgar, assignors.)
United Shoe Machinery Corporation. (See Prue, Walter W., assignor.)
United Shoe Machinery Corporation. (See Ryan, George F., assignor.)
U. S. Industrial Chemicals, Inc. (See Hammond, John A. S., assignor.)
United States Rubber Company. (See Hart, Edwin J., assignor.)
Universag Technische A. G. (See Fazekas, Oscar M., assignor.)
Universal Camera Corporation. (See Pignone, Joseph, assignor.)
Universal Oil Products Company. (See Danforth, Joseph D., assignor.)
Van de Kamp, Jacob, Westfield assignor to Merck & Co., Inc., Rahway, N. J. Production of thiourea. 2,357,149; Aug. 29.
Van Dyke, Harry B., and R. O. Greep, Stelton, and B. F. Chow, Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Gonad-stimulating hormones, and obtaining and separating them. 2,356,803; Aug. 29.
Vanity Fair Mills, Inc. (See Burns, Charles R., assignor.)
Van Horn, James J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,357,240; Aug. 29.
Van Norman Company. (See Curtis, Frank W., assignor.)
Vickers Incorporated. (See Harrington, F. T., and Griffith, assignors.)
Victor Chemical Works. (See Barackman, Rufus A., assignor.)
Vogel, Oliver G., Oak Park, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Heater. 2,357,150; Aug. 29.
Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Circuit breaker. 2,357,151; Aug. 29.
Von Wangenheim, Adolf, assignor to Detroit Lubricator Company, Detroit, Mich. Valve. 2,356,958; Aug. 29.
Voorhies, Carl, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Tappet construction. 2,356,900; Aug. 29.
Wachter, Aaron, assignor to Shell Development Company, San Francisco, Calif. Corrosion inhibition coating composition. 2,357,275; Aug. 29.
Wachter, Aaron, assignor to Shell Development Company, San Francisco, Calif. Corrosion inhibiting coating composition. 2,357,276; Aug. 29.
Wackman, Louis B., Richmond Heights, Mo. Constructing bushing fixtures for metallic containers. 2,356,901; Aug. 29.
Wagner, Edward F., Lakeville, assignor to The Studebaker Corporation, South Bend, Ind. Door operating mechanism. 2,357,044; Aug. 29.
Wagner, Frederick P. A., Ateo, N. J., assignor to The Brown Instrument Company, Philadelphia, Pa. Impedance element. 2,357,241; Aug. 29.
Wahl, Frank F., Monroe, Mich. Folding bed. 2,357,242; Aug. 29.
Wainwright, John E. (See Harley, S. J., and Wainwright.)
Walker, Arthur, Oldham, England. Drawing apparatus for textile spinning and like textile frames. 2,357,243; Aug. 29.
Wallace, John F., University Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorbing strut. 2,357,036; Aug. 29.
Walter, Zachary T., Los Angeles, Calif. Molding plastic articles. 2,356,902; Aug. 29.
Watson, Thomas G. W., Brookman's Park, assignor to Taylor Stoker Company Limited, London County, England. Reciprocable retort base. 2,357,244; Aug. 29.
Wauson, Horace C., and W. E. Bennett, Jr., assignor of three-fourths to Gulf Publishing Company, Houston, Tex., and one-fourth to said Bennett, Jr. Duplex rail assembly elevator. 2,356,959; Aug. 29.
Weimont, Joseph, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y. Marking machine. 2,357,277; Aug. 29.
Wekeman, Stephen N., Saddle River Township, Bergen County, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Camera. 2,356,960; Aug. 29.
West, Al, et al. (See Steinharter, Stanley S., assignor.)
Western Electric Company. (See Ehret, J., Jr., and Maurer, assignors.)
Western Electric Company. (See Martin, S. M., and Miller, assignors.)
Westinghouse Electric & Manufacturing Company. (See Breckenridge, F., and Clark, assignors.)
Westinghouse Electric & Manufacturing Company. (See Breckenridge, F., and Ridge, assignors.)
Westinghouse Electric & Manufacturing Company. (See Bruckman, William C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Leonard, Merrill G., assignor.)
Westinghouse Electric & Manufacturing Company. (See May, John W., assignor.)
West Virginia Pulp and Paper Company. (See Baker, Walter L., assignor.)
Wetherby-Williams, Arthur V., New York, N. Y., and W. K. Sheffield, New London, Conn. Apparatus for filling and closing containers. 2,357,245; Aug. 29.
Weyandt, Carl S., Homer City, Pa. Vibratory electric motor. 2,356,961; Aug. 29.
Wheary, George H., Jr., Racine, Wis., assignor to Wheary, Incorporated. Hand luggage. 2,357,037; Aug. 29.
Wheary, Incorporated. (See Wheary, George H., Jr., assignor.)
Wheeler, Leslie T., et al. (See Brickley, James L., assignor.)
Wheeler, Sidney A., et al. (See Brickley, James L., assignor.)
Whitesell, John C., Jr., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automatic electrode dressing means. 2,357,038; Aug. 29.
Whiting, Walter R., assignor to D. G. Burpee, Hingham, Mass. Safe-deposit vault. 2,356,804; Aug. 29.
Whitmyer, Roy H., Patchogue, N. Y. Container. 2,357,246; Aug. 29.
Whitted, John B., Glencoe, assignor to Stewart-Warner Corporation, Chicago, Ill. Electric windshield wiper. 2,357,152; Aug. 29.
Wickham, Parker B. (See Gibbs, T. B., Brown, and Wickham.)
Wieking, William C. (See Huck, W. F., and Wieking.)
Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Cutting gears. 2,357,153; Aug. 29.
Wilhelm, Paul, Waterbury, Conn. Lens grinding machine. 2,357,154; Aug. 29.
Wilkinson, Albert R. J., Twickenham, assignor of one-half to E. Richardson, Richmond, Surrey, England. Eccentric driving gear. 2,357,247; Aug. 29.
Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Spring unit. 2,356,962; Aug. 29.
Williams, Benjamin M., St. Louis, Mo., and F. L. Rushing, Tampa, Fla., assignors to Gaylord Container Corporation, St. Louis, Mo. Container. 2,357,155; Aug. 29.
Williams, Villor P., Chicago, Ill. Shoe heel. 2,357,281; Aug. 29.
Williamson, Hilding V., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Fire extinguishing method and apparatus. 2,357,039; Aug. 29.
Williamson, Hilding V., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Fire extinguishing method and apparatus. 2,357,040; Aug. 29.
Wilson, Donald P., St. Louis Park, assignor to McQuay, Inc., Minneapolis, Minn. Radiator. 2,357,156; Aug. 29.
Wilson, William W., Los Angeles, Calif. Pipe elevator. 2,356,805; Aug. 29.
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Reed, Exa G., assignor.)
Winnek, Philip S. (See Faith, H. E., and Winnek.)
Wolf, Rudolf, Fajardo, P. R. Submarine escape and communication device. 2,357,064; Aug. 29.

Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Belt wrapper. 2,357,157; Aug. 29.
Wood, Richard C., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Soap-free detergents in bar form. 2,356,903; Aug. 29.
Woodberry, John H., and F. W. Hoewischer, Metuchen, N. J. Cartridge feeder. 2,356,806; Aug. 29.
Woolley, Raymond L., Los Angeles, Calif. Power plant. 2,357,041; Aug. 29.
Wooten, Leland A. (See Thurber, E. A., and Wooten.)
Workman, Ernest R., Chicago, Ill. Banding machine. 2,356,904; Aug. 29.
Wulff, John, Cambridge, Mass. High-grade alloy powder production. 2,356,807; Aug. 29.
Wycliffe Foundry & Engineering Co. Limited. (See Barrett, Guy, assignor.)
Young, Charles J., Ardmore, Pa., assignor to Radio Corporation of America. Electron microscope viewing chamber. 2,356,963; Aug. 29.
Young, David H. (See Lyons, S. C., and Young.)
Young, Leonard A., Detroit, Mich. Spring structure. 2,357,248; Aug. 29.
Zaica, Frank S., Bethany, Conn. Take-up block. 2,357,065; Aug. 29.
Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Integer storage mechanism. 2,356,905; Aug. 29.
Zettel, Joseph H. (See Coss, H. T., Hawthorne, and Zettel.)
Zitza, Curt L., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Fuel cell vent system. 2,356,906; Aug. 29.
Zuber, John G., assignor to The Bell & Howell Company, Chicago, Ill. Photographic camera. 2,357,158; Aug. 29.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Automatic volume control circuits. J. F. Dreyer, Jr. Re. 22,537; Aug. 29.

Bracket support for adjustable and releasable shelving. Shelf. F. Kautz. Re. 22,538; Aug. 29.

Rock drill. J. C. Curtis. Re. 22,536; Aug. 29.

LIST OF DESIGN INVENTIONS

Badge or similar article. W. G. McGregor. 138,654; Aug. 29.

Bar of soap. W. G. Werner and C. T. Gerhart. 138,687; Aug. 29.

Block for a metal treatment trough, Grid. F. J. Wood. 138,666; Aug. 29.

Bottle. W. C. Teunisz. 138,663; Aug. 29.

Bottle. W. F. Smith. 138,680; Aug. 29.

Box for precision gauge block sets. J. W. Wilkie. 138,665; Aug. 29.

Buckle. P. W. White. 138,621–6; Aug. 29.

Building. R. C. Keeth. 138,650; Aug. 29.

Cap. S. H. Baker. 138,641; Aug. 29.

Case for micrometer caliper. W. B. Hunter. 138,673; Aug. 29.

Case, Thermometer. H. Weksler. 138,664; Aug. 29.

Casket or similar article, Burial. H. A. Neff. 138,656; Aug. 29.

Compact. J. Rubel. 138,659; Aug. 29.

Crib, Foldable miniature Christmas. R. Schulhof. 138,660; Aug. 29.

Dress. Z. Golden. 138,670–2; Aug. 29.

Dress. S. Litt. 138,674–7; Aug. 29.

Dress. B. Sheinbaum. 138,685; Aug. 29.

Fastener, Blasting cap. F. H. Rolfes. 138,683; Aug. 29.

Game board. E. Schweid. 138,684; Aug. 29.

Game board or similar article. J. Dorfman. 138,646; Aug. 29.

Glass and paper weight, Combined magnifying. B. Lubow. 138,678; Aug. 29.

Glass or the like, Drinking. A. J. F. Erbe. 138,627–39; Aug. 29.

Guard, Pen and pencil. F. Calderon, Jr. 138,645; Aug. 29.

Handbag or similar article. J. Halpern. 138,649; Aug. 29.

Handle, Tool. H. H. Moeller. 138,655; Aug. 29.

Holder, Welding electrode. R. H. Buck. 138,643; Aug. 29.

Housing, Aviation engine oil temperature regulator. F. M. Young. 138,688; Aug. 29.

Lawn mower. G. W. Davis. 138,669; Aug. 29.

Manicuring device or similar article. A. M. Baker. 138,640; Aug. 29.

Meter housing or similar article, Parking. E. V. Nelson. 138,681; Aug. 29.

Pin, Brooch. A. Philippe. 138,652; Aug. 29.

Plate for bicycle pedals, End. H. Golden. 138,648; Aug. 29.

Regulator, Cable tension. J. W. Cade. 138,644; Aug. 29.

Shoe polishing device. B. Silfen. 138,661; Aug. 29.

Slipper. R. B. Montague. 138,680; Aug. 29.

Specimen apparatus, Urine. D. H. and J. M. Korotev. 138,651; Aug. 29.

Spring shackle, Automobile. C. Orsett. 138,682; Aug. 29.

Stand, Telephone desk. E. S. McLarn and C. A. Duran. 138,697; Aug. 29.

Stool and stepladder, Combination kitchen. C. E. Morley. 138,620; Aug. 29.

Support for toilet accessories or the like. W. H. Adams. 138,619; Aug. 29.

Toy airplane. D. W. Mason. 138,653; Aug. 29.

Toy commando tommy gun. O. S. Annable. 138,667; Aug. 29.

Toy, Figure wheeled. E. Peruggi. 138,657–8; Aug. 29.

Toy, Push. G. Bauerle. 138,642; Aug. 29.

Toy truck. C. L. Bates. 138,668; Aug. 29.

Weather vane and figure, Combined. F. J. Dubka. 138,647; Aug. 29.

Wrench. O. Swanstrom. 138,662; Aug. 29.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF AUGUST, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Making. H. V. Allison. 2,356,965; Aug. 29.

Acetylene, Method and apparatus for cooling and drying. E. Gfeller. 2,357,186; Aug. 29.

Acid, Contact process for manufacturing sulphuric. C. V. Herrmann. 2,357,195; Aug. 29.

Actuator, Flush valve. G. D. Maige. 2,357,213; Aug. 29.

Adhesive composition. W. M. Billing. 2,357,073; Aug. 29.

Adjustable gauge. R. C. Smith. 2,357,143; Aug. 29.

Adjustable picture hanger. H. E. Bawden. 2,357,071; Aug. 29.

Agricultural implement. A. A. Scarlett. 2,356,889; Aug. 29.

Air conditioning apparatus. W. L. Fleisher. 2,356,757; Aug. 29.

Air coupler, Automatic. J. G. Edwards. 2,357,180; Aug. 29.

Aircraft. C. Hollingsworth. 2,357,200; Aug. 29.

Aircraft part and covering therefor. D. B. Grossman. 2,356,927; Aug. 29.

Airplane heating system. S. E. Heymann. 2,357,112; Aug. 29.

Airplane wing construction. O. R. Courtney. 2,356,918; Aug. 29.

Aliphatic amines, Mercurated. A. W. Ralston and M. R. McCorkle. 2,356,884; Aug. 29.

Alkyd resin as plasticizer. C. Opp. 2,357,221; Aug. 29.

Alloy powder production, High-grade. J. Wulff. 2,356,807; Aug. 29.

Alloying and fusing process. J. S. Nachtman. 2,357,126; Aug. 29.

Alloys, Copper base. F. C. Evans. 2,357,190; Aug. 29.

Ammunition to heavy machine guns, Feeding belt. J. D. North 2,357,127; Aug 29.

Angle plate for lathes. H. C. Stoll. 2,357,062; Aug. 29.

Anhydrous hydrogen halide, Manufacture of. T. W. Evans and H. de V. Finch. 2,357,095; Aug 29.

Anthraquinone compounds. J. B. Dickey. 2,357,176; Aug. 29.

Anti-flex-cracking agents. E. J. Hart. 2,356,929; Aug. 29.

Apparatus for dehydrating liquid coating products and the like. P. M. Fleuriel. 2,356,758; Aug. 29

Apparatus for distillation control. G. S. Houghland and C. C. King. 2,357,113; Aug. 29.

Apparatus for filling and closing containers. A. V. Wetherby-Williams and W. K. Sheffield. 2,357,245; Aug. 29

Apparatus for freezing foods. W. L. Morrison. 2,356,779–80; Aug. 29.

Apparatus for measuring the viscosity and density of liquids. J. P. Hurndall. 2,357,003; Aug. 29.

Apparatus for melting and processing crude oleoresin. J. O. Reed. 2,356,798; Aug. 29.

Apparatus for producing pressure-tight tube and tube seat connections. C. A. Maxwell. 2,357,123; Aug. 29.

Apparatus for rolling rounds. C. S. Ramsay. 2,357,038; Aug. 29.

Apparatus for winding web materials. L. Hornbostel. 2,357,202; Aug. 29.

Applicator. J. N. Eldt. 2,357,256; Aug. 29.

Arc welding apparatus. F. B. Tuttle. 2,356,802; Aug. 29.

Area measuring machine. J. L. Jones and J. W. Farmer. 2,356,761; Aug. 29.

Armed rotating turret for aircraft. E. Lanciani. 2,357,209; Aug. 29.

Article manipulating apparatus. S. M. Martin and J. G. Miller. 2,356,864; Aug. 29.

Atomizer head. W. I. McCrum. 2,357,050; Aug. 29.

Atomizing spreader for sprinkler heads. A. C. Rowley. 2,357,227; Aug. 29.

Automatic cutting apparatus. A. C. Oakes. 2,356,877; Aug. 29.

Automobile door construction. J. L. Conlon. 2,356,976; Aug. 29.

Badge. H. A. Sleeper. 2,357,231; Aug. 29.

Bakery flavoring product and making same. C. G. Harris. 2,357,258; Aug. 29.

Balance wheel. W. O. Bennett, Jr. 2,356,911; Aug. 29.

Bale tie. N. R. Krause. 2,356,936; Aug. 29.

Banding machine. E. R. Workman. 2,356,904; Aug. 29.

Base, Reciprocable retort. T. G. W. Watson. 2,357,244; Aug. 29.

Battery box or container. R. E. Tresise and P. D. Kendall. 2,357,274; Aug. 29.

Bearing construction. L. D. Grenot. 2,357,106; Aug. 29.

Belt wrapper. F. J. Wood. 2,357,157; Aug. 29.

Bending and beveling machine. R. Seifried. 2,357,027; Aug. 29.

Binding agents for linoleum, mastic tile, etc. A. B. Miller. 2,357,016; Aug. 29.

Blade attachment for elevating graders, Vertical. B. V. Reany. 2,356,979; Aug. 29.

Blanket. G. Berg. 2,357,164; Aug. 29.

Block: *See*—
Take-up block.

Blood, Process and apparatus for treating. A. T. Trimble. 2,357,238; Aug. 29.

Blower. M. Rendelstein. 2,357,279; Aug. 29.

Body and chassis underframe. J. Ledwinka and J. W. Kelly. 2,357,043; Aug. 29.

Bombshells, Making. W. F. Heineman. 2,357,110; Aug. 29.

Bore holes, Method and apparatus for. H. G. Doll. 2,357,178; Aug. 29.

Bottle filling machines, Washing. A. Konrad. 2,356,857; Aug. 29.

Box: *See*—
Lug box.

Bracket for canopy supports and canopies, Attaching. V. P. Nelson. 2,357,056; Aug. 29.

Brake band structures for winches. R. B. Magee. 2,357,212; Aug. 29.

Brake mechanism. J. Ledwinka. 2,357,263; Aug. 29.

Broaching method. J. Edgar. 2,357,094; Aug. 29.

Buckle. I. B. Holtz. 2,356,848; Aug. 29.

Building construction. A. A. Ladon. 2,356,768; Aug. 29.

Bumper. M. Z. Delp and L. A. McCormick. 2,356,979; Aug. 29.

Burner: *See*—
Gaseous fuel burner.

Burner for portable boiler flame chambers, Forced draft. J. W. Adams. 2,356,729; Aug. 29.

Bus bar connecting clamp. E. T. Carlson. 2,357,171; Aug. 29.

Cabinet construction, Reinforced sheet metal. F. Sandberg. 2,357,025; Aug. 29.

Cage for use in ball bearings. F. O. Hickling. 2,357,196; Aug. 29.

Calculating machine. D. Broido. 2,357,167; Aug. 29.

Cam adjusting device. G. O. Joyner and D. S. Myers. 2,357,008; Aug. 29.

Camera. S. N. Wekeman. 2,356,960; Aug. 29.

Camera, Reflex. J. Pignone. 2,356,880; Aug. 29.

Can filling machine. T. W. Bland. 2,356,737; Aug. 29.

Capping apparatus. A. I. Shomperlen. 2,356,893; Aug. 29.

Capstan. E. B. Lear. 2,357,012; Aug. 29.

Car: *See*—
Lineman's cable car.

Car truck side frame. K. F. Nystrom. 2,357,020; Aug. 29.

Carbonizing. E. A. Thurber and L. A. Wooten. 2,356,956; Aug. 29.

Carton. S. J. Klein. 2,357,009; Aug. 29.

Carrier: *See*—
Motor vehicle top carrier.

Cartridge, Blasting. J. Barab. 2,357,068; Aug. 29.

Cartridge feeder. J. H. Woodberry and F. W. Hoewischer. 2,356,806; Aug. 29.

Case: *See*—
Garment case. Match case.

Catalytic and thermal cracking, Combination. J. M. Barron. 2,356,744; Aug. 29.

Catalytic cracking. J. W. Teter. 2,356,954; Aug. 29.

Catalysts, Manufacture of. J. D. Danforth. 2,357,254; Aug. 29.

Cementing device, Full hole. R. B. Standefer. 2,357,145; Aug. 29.

Chair: *See*—
Collapsible chair.

Check valve. R. Bischoff. 2,356,815; Aug. 29.

Chill, Arc welding. A. W. Burggraf. 2,357,170; Aug. 29.

Cigarette holder. J. Christensen. 2,356,971; Aug. 29.

Circuit breaker. M. G. Leonard. 2,357,210; Aug. 29.

Circuit breaker. J. W. May. 2,357,217; Aug. 29.

Circuit breaker. F. G. von Hoorn. 2,357,151; Aug. 29.

Clamp: *See*—
Bus bar connecting clamp.

Clay to molds in the manufacture of pottery ware, Method and apparatus for feeding plastic. G. J. Groninger. 2,356,829; Aug. 29.

Cleaning apparatus. F. Breckenridge and R. J. Ridge. 2,356,817; Aug. 29.

Cleaning apparatus. W. C. Bruckman. 2,356,818; Aug. 29.

Cleaning composition and process. M. I. Bowman and H. Packer. 2,356,747; Aug. 29.

Clock control for radios. J. T. Stattner. 2,357,061; Aug. 29.
Closure fastener. R. B. Jones. 2,357,007; Aug. 29.
Closure member and applying same. L. G. Copeman. 2,356,825; Aug. 29.
Closure, Plug type pipe. J. W. Gallop. 2,356,987; Aug. 29.
Clothes drier. W. E. Horstkotte. 2,356,930; Aug. 29.
Clothesline prop. F. Arrowsmith. 2,356,908; Aug. 29.
Coated welding rod. W. L. Baker. 2,357,250; Aug. 29.
Coating apparatus. G. D. Muggleton. 2,356,873; Aug. 29.
Coating composition. F. H. MacLaren and E. W. Adams. 2,356,863; Aug. 29.
Collapsible chair. J. B. O'Connor and J. E. Bales. 2,356,793; Aug. 29.
Colter. H. E. Lohman. 2,356,770; Aug. 29.
Commutator. L. E. Hemphill. 2,357,111; Aug. 29.
Composition for preparation of oil base drilling fluid. G. Miller. 2,356,776; Aug. 29.
Compositions. R. M. Thomas and W. J. Sparks. 2,356,955; Aug. 29.
Computer, Fire control. G. A. Crowther. 2,356,830; Aug. 29.
Concrete mixtures, Determining the consistency of. W. H. Clagett, Jr. 2,357,083; Aug. 29.
Concrete pipe, Method and apparatus for making. G. W. Hutchinson. 2,356,852; Aug. 29.
Conducting different investigations simultaneously in bore holes, Method and apparatus for. H. G. Doll. 2 357,177; Aug. 29.
Conical frustums by progressive chamfering, Forming. W. Horberg. 2,356,850; Aug. 29.
Conjoint polymerization products. E. W. Moffett and R. E. Smith. 2,356,871; Aug. 29.
Container: *See*—
Dispensing container.
Container. J. J. Blum. 2,356,969; Aug. 29.
Container. S. de Mian and C. E. Taylor. 2,357,092–3; Aug. 29.
Container. R. H. Whitmyer. 2,357,246; Aug. 29.
Container. B. M. Williams and F. L. Rushing. 2,357,155; Aug. 29.
Control box for fire extinguisher systems. C. A. Getz and E. K. Kuhles. 2,356,989; Aug. 29.
Control device. A. G. Hann. 2,356,928; Aug. 29.
Control system for fillers. R. B. McKinnis. 2,357,913; Aug. 29.
Controlling mechanism, Step-by-step. G. Barrett. 2,357,163; Aug. 29.
Corrosion inhibition coating composition. A. Wachter. 2,357,275; Aug. 29.
Corrosion inhibiting coating composition. A. Wachter. 2,357,276; Aug. 29.
Counting mechanism. F. C. Biancha. 2,356,914; Aug. 29.
Coupling: *See*—
Glider coupling. Quick disconnect coupling.
Cover glass, Apparatus for scoring. N. H. Klages. 2,357,206; Aug. 29.
Covering articles. E. G. Reed. 2,356,948; Aug. 29.
Crib construction. E. E. Merrett. 2,358,218; Aug. 29.
Cutting tool. J. C. Briggs. 2,357 074; Aug. 29.
Cutting tool. F. W. Curtis. 2,357,088; Aug. 29.
Cutting torch holder. N. G. Bellrose. 2,356,811; Aug. 29.
Damper, Hydraulic. B. E. O'Connor. 2,357,278; Aug. 29.
Detection seal. A. J. Komenak. 2,356,856; Aug. 29.
Detergents in bar form, Soap-free. R. C. Wood. 2,356,903; Aug. 29.
Diamine-carbon disulphide condensation products, Producing film-forming. R. Kern. 2,356,764; Aug. 29.
Diazo printing pastes, Stabilized. S. S. Rossander, C. E. Sparks and C. W. Maynard, Jr. 2,357,226; Aug. 29.
Dichlorethane, Manufacture of. J. A. S. Hammond. 2,356,785; Aug. 29.
Diene interpolymers and preparing the same. A. M. Clifford. 2,356,974; Aug. 29.
Diolefin, Concentrating. F. E. Frey and R. D. Snow. 2,356,840; Aug. 29.
Direction finding apparatus. G. V. Eltgroth. 2,356,922; Aug. 29.
Disc materials, Manufacture of abrasive. R. L. Melton and R. C. Benher. 2,356,866; Aug. 29.
Discharge and pickup apparatus for traveling toy railway cars. R. G. Smith. 2,356,895; Aug. 29.
Disconnect plug receptacle. R. I. Markey. 2,357,216; Aug. 29.
Disk harrow. C. E. Newkirk. 2,356,876; Aug. 29.
Dispenser for liquids. O. M. Faxekas. 2,356,755; Aug. 29.
Dispensing container. R. F. Nageotte. 2,356,874; Aug. 29.
Dispensing discrete quantities of corn syrup. P. H. Stambaugh. 2,357,270; Aug. 29.
Door operating mechanism. E. F. Wagner. 2,357,044; Aug. 29.
Dough, Sheeting and elongating. M. Cohen, D. W. Enoch, G. Hasty, and G. A. Jorgenson. 2,357,085; Aug. 29.
Drawing apparatus for textile spinning and like textile frames. A. Walker. 2,357,243; Aug. 29.
Drier: *See*—
Clothes drier.
Drill: *See*—
Rock drill.
Drill. A. O. Edwards. 2,356 921; Aug. 29.
Drill steel centraliser. J. A. Hope. 2,357,001; Aug. 29.
Drum, Facsimile scanner. J. V. L. Hogan. 2,356,999; Aug. 29.
Dual wheel mounting. B. L. Mills. 2,356,942; Aug. 29.
Dusting and spraying apparatus. R. R. Root. 2,356,950; Aug. 29.
Eccentric driving gear. A. R. J. Wilkinson. 2,357,247; Aug. 29.
Electric clock. J. Fink and T. B. Gibbs. 2,356,983; Aug. 29.
Electric control device. H. Machinist. 2,357,122; Aug. 29.
Electric ship propulsion system. E. F. W. Alexanderson. 2,357,087; Aug. 29.
Electric ship propulsion system. F. E. Crever. 2,357,086; Aug. 29.
Electric valve translating system. E. F. W. Alexanderson. 2,357,067; Aug. 29.
Electrical apparatus. H. A. Chubbuck. 2,356,972; Aug. 29.
Electrical apparatus and method. L. C. Miller and H. A. Chubbuck. 2,357,017; Aug. 29.
Electrical insulating compositions. B. O. and H. L. Beck, and C. H. Gunthorp. 2,357,072; Aug. 29.
Electrical switch. S. J. Roesch and J. W. Myers. 2,357.225; Aug. 29.
Electrode dressing means, Automatic. J. C. Whitesell, Jr. 2,357,038; Aug. 29.
Electromagnetic translating device. B. B. Bauer. 2,356,810; Aug. 29.
Elevator, Duplex rail assembly. H. C. Wauson and W. E. Bennett Jr. 2,356,950; Aug. 29.
Elevator, Grain. A. N. Olson. 2,357,220; Aug. 29.
Elevator, Pipe. W. W. Wilson. 2,356,805; Aug. 29.
Engine: *See*—
Internal-combustion engine. Sleeve-valve internal-combustion engine.
Engine starter. J. W. Fitz Gerald. 2,356,984–5; Aug. 29.
Equalized double contact arm. J. F. Ebert. 2,356,836; Aug. 29.
Esters of the suprarenal cortical hormone series, Manufacture of. T. Reichstein. 2,357,224; Aug. 29.
Etched crystalline hone. R. S. Bailey. 2,356,910; Aug. 29.
Evaporator unit construction. W. L. Morrison. 2,356,778; Aug. 29.
Exhaust system, Internal-combustion engine. L. E. Muller. 2 356,782; Aug. 29.
Fabric and making the same, Warp knit. C. R. Burns. 2,356,819; Aug. 29.
Fan construction. G. L. Moeller. 2,357,053; Aug. 29.
Fastener: *See*—
Closure fastener.
Fastener applying tool. H. W. Kost. 2,357,207; Aug. 29.
Feed mechanism for phonographs, Pickup. L. Thompson. 2,357,033; Aug. 29.
Feeder: *See*—
Cartridge feeder.
Ferrous alloys, Corrosion-resistant. N. S. Mott. 2,357,219; Aug. 29.
Ferrous metal articles, Treating. D. A. Russell and S. C. Kyle. 2,357,260; Aug. 29.
Filament cutting apparatus. J. J. Gregory. 2,356,841; Aug. 29.
Filaments, Process and apparatus for producing. J. J. Reis, Jr. 2,356,886; Aug. 29.
File folder and index tab construction. C. J. Bates. 2,357,070; Aug. 29.
Filter and solids trap. V. L. Snow. 2,356,953; Aug. 29.
Firearm, Automatic. T. F. Horan. 2,357,047; Aug. 29.
Fire extinguishing method and apparatus. H. V. Williamson. 2,357,039–40; Aug. 29.
Fire extinguishing system. C. A. Getz. 2,356,990; Aug. 29.
Fireplace screen. J. F. Shannon. 2,356,892; Aug. 29.
Fixtures for metallic containers, Constructing bushing. L. B. Wackman. 2,356 901; Aug. 29.
Flaw detecting apparatus. W. C. Barnes and H. W. Keevil. 2,356,987; Aug. 29.
Float valve. E. H. East. 2,356,982; Aug. 29.
Flour, Iron fortification of. R. A. Barackman. 2,357,069; Aug. 29.
Flow regulation apparatus for brine injection wells. R. W. Erwin. 2,357,189; Aug. 29.
Fluids, Dehydration of. W. A. Schulze. 2,356,890; Aug. 29.
Flux composition. M. Merlub-Sobel and J. M. Bialosky. 2,357,014; Aug. 29.
Folding bed. F. F. Wahl. 2,357,242; Aug. 29.
Frame: *See*—
Car truck side frame.
Frame for transporting fabrics. E. G. Hellyar. 2,356,787; Aug. 29.
Friction device. D. M. Light. 2,356,743; Aug. 29.
Froth flotation of acidic minerals. L. J. Christmann, D. W. Jayne, Jr., and S. E. Erickson. 2,356,821; Aug. 29.

Fruit reshaping mechanism. B. C. Coons. 2,356,977; Aug. 29.
Fuel-feeding means for gas producers. R. Daae. 2,357,175; Aug. 29.
Fuel for motor vehicles. J. L. M. Frejacques. 2,357,184; Aug. 29.
Fuel system, Airplane. L. F. Harman and O. H. Snyder. 2,356,786; Aug. 29.
Gaff or spur as used on pole climbers, Double. C. Bennington. 2,357,159; Aug. 29.
Garment case. N. Mestel and J. Berman. 2,357,015; Aug. 29.
Gas analyzing apparatus. R. B. Hines. 2,356,845; Aug. 29.
Gaseous fuel burner. J. E. Farrell. 2,356,838; Aug. 29.
Gasket, Reinforced. F. W. Goetze. 2,357,257; Aug. 29.
Gauge: *See*—
Adjustable gauge. Small hole gauge.
Gauge. S. J. Robins. 2,357,024; Aug. 29.
Gauging device. M. W. Haselton and R. S. Diserens. 2,357,194; Aug. 29.
Gear: *See*—
Eccentric driving gear.
Gear finishing tool. E. W. Miller. 2,356,868; Aug. 29.
Gears, Cutting. E. Wildhaber. 2,357,153; Aug. 29.
Generating gears by planetary motion, Method and apparatus for. E. W. Miller. 2,356,869; Aug. 29.
Glider coupling. J. F. Drescher. 2,356,920; Aug. 29.
Goggle. A. A. Balanon. 2,356,731; Aug. 29.
Graduating and engraving machine. H. S. Jonsson. 2,357,117; Aug. 29.
Grinding machine. W. C. Heath. 2,357,109; Aug. 29.
Grinding mill. L. Dotzer. 2,356,753; Aug. 29.
Gun mount. J. M. Colby. 2,356,751; Aug. 29.
Gyroscopic erection device. L. F. Carter. 2,356,749; Aug. 29.
Hand sanding machine. J. L. Brickley. 2,357,166; Aug. 29.
Hanger: *See*—
Adjustable picture hanger.
Heat dissipator for marine engines. A. J. Higgins. 2,356,844; Aug. 29.
Heat exchanger, Multiflue. R. K. Behr. 2,357,251; Aug. 29.
Heat interchange apparatus. G. E. Dono and R. H. Goddard. 2,356,919; Aug. 29.
Heater: *See*—
Orchard heater.
Heater. O. G. Vogel. 2,357,150; Aug. 29.
Heel, Shoe. V. P. Williams. 2,357,281; Aug. 29.
Helicopter toy. A. Robins. 2,357,134; Aug. 29.
Hoist. J. Kalix. 2,356,762; Aug. 29.
Hoist. R. W. Thorne. 2,356,800; Aug. 29.
Holder: *See*—
Cigarette holder. Tool holder.
Cutting torch holder. Work holder.
Hollow structures, Mounting. L. G. Ketcham. 2,356,934; Aug. 29.
Hook for apertured articles, Hoisting. E. R. Muddiman. 2,357,054; Aug. 29.
Hormones, and obtaining and separating them, Gonad-stimulating. H. B. van Dyke, R. O. Greep, and B. F. Chow. 2,356,803; Aug. 29.
Hub for coaster brakes. J. M. English. 2,357,188; Aug. 29.
Hydraulic booster. W. Stelzer. 2,357,032; Aug. 29.
Hydraulic double-action draw press. A. K. Nowak and T. W. Bannon. 2,357,019; Aug. 29.
Hydraulic gun charger. J. F. Drescher and W. E. Hirtensteiner. 2,356,981; Aug. 29.
Hydraulic jack. C. Stutter. 2,356,899; Aug. 29.
Hydrocarbon conversion. H. S. Taylor, H. Fehrer, and J. Turkevich. 2,357,271; Aug. 29.
Hydrocarbon distillate, Disulphurizing. L. L. Lovell. 2,357,121; Aug. 29.
Hydrocarbon fuel burning device. E. E. Goller and L. R. Foster. 2,356,994; Aug. 29.
Hydrocarbons, Catalytic conversion of. J. D. Danforth. 2,356,978; Aug. 29.
Hydrophilic polymerization products of the superpolyamide type, Manufacture of. M. Hagedorn. 2,357,187; Aug. 29.
Hypochlorites, Preparation of. G. H. Cady. 2,356,820; Aug. 29.
Ice guard. R. F. Swing. 2,357,063; Aug. 29.
Impedance element. F. P. A. Wagner. 2,357,241; Aug. 29.
Indicator: *See*—
Ship's speed indicator. Temperature indicator.
Indicator for aircraft, Rate of ascent and descent. J. Robinson. 2,357,060; Aug. 29.
Indicator for manual reset valves. W. A. Ray. 2,357,059; Aug. 29.
Insect repellent composition. B. V. Travis and H. A. Jones. 2,356,801; Aug. 29.
Insecticide. P. E. Joyce. 2,357,260; Aug. 29.
Insulating structures, Method and apparatus for. H. T. Coss. 2,356,827; Aug. 29.
Integer storage mechanism. W. J. Zenner. 2,356,905; Aug. 29.
Internal-combustion engine. D. W. Stabler. 2,357,031; Aug. 29.
Iron oxide pigments, Transparent. P. Fireman. 2,357,096; Aug. 29.
Jet propulsion device. H. A. Boushey. 2,356,746; Aug. 29.
Joint: *See*—
Roofing joint.
Key for locks. O. E. Seiffert. 2,356,891; Aug. 29.
Knife. A. Monaco. 2,356,872; Aug. 29.
Labeling machine. H. A. Nefzger. 2,356,875; Aug. 29.
Lamp replacer, Pull type. H. D. Grinnell. 2,357,105; Aug. 29.
Lamp replacer, Universal screw type. H. D. Grinnell. 2,357,104; Aug. 29.
Laundry apparatus. F. Breckenridge and E. K. Clark. 2,356,816; Aug. 29.
Lens grinding machine. P. Wilhelm. 2,357,154; Aug. 29.
Light change apparatus. A. E. Reeves. 2,356,885; Aug. 29.
Lighting fixture. H. R. Owen. 2,357,057; Aug. 29.
Lignin-phenol-formaldehyde resin dispersion, Preparing. G. F. D'Alelio. 2,357,090; Aug. 29.
Limes, Hydrating dolomitic. W. D. Garvin. 2,356,760; Aug. 29.
Lineman's cable car. R. J. Kent. 2,357,118; Aug. 29.
Link for hinge lasts. G. F. Ryan. 2,356,888; Aug. 29.
Liquid level measuring apparatus. O. W. Reid and E. D. Erasmus. 2,357,023; Aug. 29.
Liquid pressure actuated pump. L. C. Chouings. 2,356,917; Aug. 29.
Lock device. R. S. Gold. 2,357,102; Aug. 29.
Lock device. E. N. Jacobi. 2,357,004; Aug. 29.
Lock with recessed handle for aircraft. A. J. Leonard. 2,357,049; Aug. 29.
Locomotive front end. L. R. Pyle. 2,357,223; Aug. 29.
Loom. S. W. Alderfer. 2,356,964; Aug. 29.
Loom picker. E. K. Krueger. 2,357,010; Aug. 29.
Lubricant handling device. N. V. Smith. 2,357,029; Aug. 29.
Lubricant pumping apparatus. N. V. Smith. 2,357,030; Aug. 29.
Lug box. R. P. Barbour. 2,357,162; Aug. 29.
Luggage, Hand. G. H. Wheary, Jr. 2,357,037; Aug. 29.
Lustrous coatings, Preparing. W. Penso, W. Asch, P. May and H. Stärk. 2,356,879; Aug. 29.
Machine for operating upon hides, skins, and leather. C. D. Knowlton and D. Edgar. 2,356,855; Aug. 29.
Machine for pressing soles upon shoe bottoms. S. J. Finn. 2,356,756; Aug. 29.
Magazine ejector mechanism for cameras. T. S. Briskin and P. F. Sperry. 2,357,076; Aug. 29.
Magnesium chloride from calcium chloride and dolomite, Production of. R. D. Pike. 2,357,130; Aug. 29.
Mandrel. C. E. Lampe, Sr. 2,357,011; Aug. 29.
Marking machine. L. A. Runton. 2,356,951; Aug. 29.
Marking machine. J. Welmont. 2,357,277; Aug. 29.
Mastic composition and flooring. S. P. Miller. 2,356,870; Aug. 29.
Match case. J. P. Gits. 2,356,926; Aug. 29.
Material treating apparatus. J. Ehret, Jr., and C. W. Maurer. 2,356,837; Aug. 29.
Materials impermeable to ultra-violet radiations. W. Horback. 2,356,849; Aug. 29.
Measuring and control apparatus. E. A. Keeler. 2,357,205; Aug. 29.
Measuring device. H. H. Firestone. 2,356,923; Aug. 29.
Mechanical limit stop. H. W. Link. 2,356,861; Aug. 29.
Mechanism for extruding moist clay and the like. S. C. Lyons and D. H. Young. 2,356,862; Aug. 29.
Mechanism for rolling wire. A. G. Natzke. 2,356,783; Aug. 29.
Memorizer. G. Carolin. 2,357,082; Aug. 29.
Metal-cutting tool. B. R. Purvin. 2,356,796; Aug. 29.
Metal doorway, Prefabricated. C. I. Auten. 2,356,730; Aug. 29.
Metal, Electrodeposition. J. R. Stack. 2,356,897; Aug. 29.
Metal flux, Light. M. A. Miller. 2,357,125; Aug. 29.
Micrometer caliper. F. V. Adams. 2,357,066; Aug. 29.
Microscope viewing chamber, Electron. C. J. Young. 2,356,963; Aug. 29.
Mill: *See*—
Grinding mill. Tube mill.
Mineral wool and product, Manufacturing. H. T. Coss, W. M. MacAlpine, and L. A. Hawthorne. 2,356,826; Aug. 29.
Mineral wool products, Manufacturing felted. H. T. Coss, L. A. Hawthorne, and J. H. Zettel. 2,357,042; Aug. 29.
Mixing jet apparatus. H. O. Malcolm. 2,357,266; Aug. 29.
Mold for hollow bodies and constructing the mold. W. L. Lewis. 2,356,860; Aug. 29.
Mono-glycosides of 2-methyl-1,4-naphthohydroquinone. G. H. Carlson and B. R. Baker. 2,357,172; Aug. 29.
Mordant dyestuffs and their manufacture. K. Glenz and F. Neitzel. 2,356,740; Aug. 29.
Motor: *See*—
Vibratory electric motor.
Motor. B. P. Pond. 2,357,021; Aug. 29.

Motor vehicle top carrier. E. F. P. Jimmes. 2,357,203; Aug. 29.
Mounting: *See*—
Dual wheel mounting. Tank mounting.
Multiple load range weighing system. M. C. Tate. 2,357,272; Aug. 29.
Musical instrument, Electrical. J. M. Hanert. 2,357,191; Aug. 29.
Navigational control means. C. J. Crane and R. K. Stout. 2,356,828; Aug. 29.
Navigation instrument. J. P. Putnam. 2,357,131; Aug. 29.
Nonskid device. C. W. Hunter. 2,356,931; Aug. 29.
Oil, Compounded. B. B. Farrington, J. O. Clayton, and D. H. Etzler. 2,356,754; Aug. 29.
Oil, Separation of the constituents of tall. F. H. Gayer and C. E. Fawkes. 2,356,988; Aug. 29.
Oils, Catalytically converting hydrocarbon. L. C. Rubin. 2,357,136; Aug. 29.
Oils, Conversion of petroleum. W. A. Smith. 2,356,952; Aug. 29.
Oils, Manufacture of improved lubricating. R. W. Henry. 2,356,843; Aug. 29.
Oils, Refining mineral. J. V. Montgomery, L. B. Goodson, and R. W. Henry. 2,356,777; Aug. 29.
Oils, Sulphurized. B. H. Lincoln and W. L. Steiner. 2,357,211; Aug. 29.
1.3-diarylisobenzofurans and preparing the same. R. Adams. 2,356,907; Aug. 29.
Operating gear for adjustable propeller blades. P. W. Seewer. 2,357,229; Aug. 29.
Orchard heater. J. H. McCracken. 2,356,939; Aug. 29.
Organic dyestuffs of the thionaphthenone series, and making the same. J. E. Cole and B. F. Skiles. 2,356,823–24; Aug. 29.
Organic parasiticidal compositions. K. R. Brown. 2,357,077; Aug. 29.
Packer for pressure drilling head. A. Pranger and S. A. Guiberson, III. 2,356,947; Aug. 29.
Paddle wheel structure. L. Cleofe. 2,357,084; Aug. 29.
Pan reinforcement, Baking. J. G. Jackson. 2,357,048; Aug. 29.
Paper cup. C. Barbieri. 2,357,161; Aug. 29.
Papermaking machines, Drive for. L. Hornbostel. 2,357,201; Aug. 29.
Parasite control. K. R. Brown. 2,357,078; Aug. 29.
Partition carrier for bottles, Removable. A. J. Perlman. 2,357,129; Aug. 29.
Phenols, Recovery of. H. G. Berger, E. M. Nygaard, and H. S. Angel. 2,357,252; Aug. 29.
Phonograph. S. A. Scherbatskoy. 2,357,026; Aug. 29.
Phonographic translating device. C. Huenlich. 2,356,851; Aug. 29.
Photographic camera. J. G. Zuber. 2,357,158; Aug. 29.
Photographic material and producing same, Color. B. Gáspár. 2,356,759; Aug. 29.
Pickup arm, Counterbalanced. L. Thompson and R. L. Stone. 2,357,034; Aug. 29.
Pigments, Production of improved. W. H. Daiger and G. R. Seidel. 2,357,089; Aug. 29.
Pilot means for liquid level controls and the like. G. F. Brockett. 2,356,970; Aug. 29.
Pin game lift. L. Berman. 2,356,913; Aug. 29.
Pine-wood pitch-pheno-formaldehyde resinous reaction products, Dispersion of. G. F. D'Alelio. 2,357,091; Aug. 29.
Pipe: *See*—
Smoking pipe.
Pipe. G. R. Comptois. 2,356,975; Aug. 29.
Piston. I. E. Aske. 2,356,909; Aug. 29.
Plastic articles, Molding. Z. T. Walter. 2,356,902; Aug. 29.
Plate whirler. F. T. Powers. 2,356,946; Aug. 29.
Platen printing press. L. R. Johnson. 2,357,116; Aug. 29.
Plug and receptacle, Electric. H. M. Deysher. 2,356,752; Aug. 29.
Poison or fertilizer distributing machine. J. H. Singleton. 2,357,141; Aug. 29.
Polishing and the like, Liquid composition for. B. J. Oakes and D. K. Murray. 2,356,792; Aug. 29.
Polyhydric alcohol esters. R. H. Barth and H. Burrell. 2,356,745; Aug. 29.
Polymeric materials, Producing. E. L. Kropa. 2,356,767; Aug. 29.
Pot, Coffee. M. H. Graham. 2,356,784; Aug. 29.
Powders from plastic materials, Preparation. R. E. Smith. 2,356,896; Aug. 29.
Power plant. R. L. Woolley. 2,357,041; Aug. 29.
Power press. R. A. Horne. 2,356,790; Aug. 29.
Power transmission. F. T. Harrington and R. C. Griffith. 2,357,107; Aug. 29.
Preparation of sulphanilylaminoguanidines. H. E. Faith and P. S. Winnek. 2,357,181; Aug. 29.
Preservation of dried blood grouping serum. A. F. Coca. 2,357,253; Aug. 29.
Press: *See*—
Hydraulic double-action draw press. Power press.
Platen printing press. Rotary cloth finishing press.
Pressure actuated valve. H. N. Rider. 2,357,133; Aug. 29.
Pressure regulator. A. Boynton. 2,356,748; Aug. 29.
Printing machine. W. T. Gollwitzer. 2,356,995; Aug. 29.
Projectile trapping method and apparatus. I. R. Gilson. 2,356,992; Aug. 29.
Propeller, Aircraft. R. C. Magee. 2,356,772; Aug. 29.
Protective system. H. T. Seeley. 2,357,138; Aug. 29.
Protein, Treating. A. E. Poarch. 2,356,795; Aug. 29.
Pump: *See*—
Liquid pressure actuated pump. Radial pump.
Pump. T. E. Brinton. 2,357,075; Aug. 29.
Pump. H. C. Brugger. 2,356,738; Aug. 29.
Pump and compressor, Rotary. P. D. Brewster. 2,356,915; Aug. 29.
Pump or motor, Variable capacity. P. D. Brewster. 2,356,916; Aug. 29.
Pumping system, Fuel. R. R. Curtis. 2,357,174; Aug. 29.
Pyridine-amine-salts of para-amino-benzoic acid and making same. S. M. Gordon and F. Kipnis. 2,356,996; Aug. 29.
Pyrogen-free urogastrone, Preparation of. J. S. Gray. 2,357,103; Aug. 29.
Quick disconnect coupling. J. R. Snyder and A. Townhill. 2,357,232; Aug. 29.
Radial pump. R. W. Glasner and E. K. Johansen. 2,356,993; Aug. 29.
Radiation pyrometer. T. R. Harrison. 2,357,193; Aug. 29.
Radiator. D. P. Wilson. 2,357,156; Aug. 29.
Rail flaw detecting unit. W. C. Barnes and H. W. Keevil. 2,356,968; Aug. 29.
Railway signaling apparatus, Coded. C. E. Staples. 2,357,234; Aug. 29.
Railway signaling apparatus, Coded. A. L. Jerome. 2,357,235; Aug. 29.
Railway signaling system. H. A. Thompson. 2,357,236; Aug. 29.
Railway traffic controlling apparatus. J. J. Van Horn. 2,357,240; Aug. 29.
Razor blade stack. L. Kuhni. 2,357,208; Aug. 29.
Reactor with separator of entrained solids from gases. G. S. Dunham. 2,357,255; Aug. 29.
Receptacle: *See*—
Disconnect plug receptacle.
Recorder, Drilling speed. W. L. McLaine. 2,357,051; Aug. 29.
Refrigerating apparatus. R. S. Gaugler. 2,357,099; Aug. 29.
Refrigerating apparatus. W. L. Morrison. 2,356,781; Aug. 29.
Regulator: *See*—
Pressure regulator.
Relay. C. Huetten. 2,356,791; Aug. 29.
Remote control system for radio receivers and the like. M. L. Thompson. 2,357,237; Aug. 29.
Resin emulsion vehicle. A. L. Peiker. 2,356,794; Aug. 29.
Resistance loading, Negative. S. T. Meyers. 2,356,867; Aug. 29.
Restraint device. B. S. Cain. 2,357,080; Aug. 29.
Restraint and equalizing device. B. S. Cain. 2,357,081; Aug. 29.
Retainer, Waste. J. J. Sohaney and J. M. Sammons. 2,357,233; Aug. 29.
Rod: *See*—
Coated welding rod.
Roll, Undercierer. N. E. Lucas. 2,357,265; Aug. 29.
Roofing joint. H. H. Hoe. 2,356,833; Aug. 29.
Rotary cloth finishing press. D. Gessner. 2,357,185; Aug. 29.
Rubber hydrochloride. A. M. Clifford. 2,356,973; Aug. 29.
Salts, Preparation of dicyandiamide. D. W. Kaiser. 2,357,261; Aug. 29.
Sandwich making machine. G. H. Keller. 2,356,853; Aug. 29.
Saw, Power chain. R. W. Shade. 2,357,230; Aug. 29.
Screw threads, Producing relief in. S. J. Harley and J. E. Wainwright. 2,357,192; Aug. 29.
Seat mast clusters and like structures, and product thereof, Forming. C. P. Ball, Jr. 2,356,732; Aug. 29.
Separating hydrocarbons. F. E. Frey. 2,356,986; Aug. 29.
Separator. W. H. Mechlin. 2,356,775; Aug. 29.
Shearing device. A. J. Hood. 2,357,197; Aug. 29.
Sheet material and making same, Transparent. E. Gebauer-Fuelnegg, L. K. Ellers, and E. W. Moffett. 2,357,100; Aug. 29.
Sheet metal shrinking machine. G. F. Joyner. 2,357,204; Aug. 29.
Ship's speed indicator. K. A. Holst. 2,357,199; Aug. 29.
Shock absorbing supporting device. E. J. Kuebert and J. P. Della Corte. 2,357,120; Aug. 29.
Shoe and filler therefor, Orthopedic. H. H. Allen. 2,356,808; Aug. 29.
Shot, Making. N. J. Bardell. 2,356,966; Aug. 29.
Shovel. A. F. Howe. 2,357,114; Aug. 29.
Shutter construction. F. B. Schneider. 2,357,137; Aug. 29.
Signal device. B. Stechbart. 2,357,146; Aug. 29.

Sinker device for continuous galvanizing apparatus. K. A. Ericsson and W. T. Mahla. 2,356,739; Aug. 29.
Sintering. W. C. Hooey. 2,357,198; Aug. 29.
Skate, Roller. E. G. Blaes. 2,356,736; Aug. 29.
Ski. A. D. Andreef. 2,356,809; Aug. 29.
Sleeve or socket for drills and other tapered shank tools. Tapered. C. H. Duckett. 2,356,835; Aug. 29.
Sleeve-valve internal-combustion engine. H. C. Mansell. 2,357,052; Aug. 29.
Sling. G. G. Farmer. 2,357,182; Aug. 29.
Small hole gauge. J. A. Dietrich. 2,356,832; Aug. 29.
Smoking appliance. R. J. Miller. 2,357,018; Aug. 29.
Smoking pipe. O. Turinsky. 2,357,239; Aug. 29.
Snap ring assembling tool. J. H. Seme. 2,357,139; Aug. 29.
Sodium methaphosphate, Producing insoluble. G. E. Taylor and A. G. Erdman. 2,356,799; Aug. 29.
Soil, Stabilization of. A. B. Miller. 2,357,124; Aug. 29.
Sols, Preparation of. M. D. Marshall. 2,356,773–4; Aug. 29.
Solvent extraction process. R. N. Shiras and A. J. Johnson. 2,357,028; Aug. 29.
Sound-absorbing unit. W. A. Jack, 3rd, and A. Menzak, Jr. 2,357,115; Aug. 29.
Spectacles, Top arm. J. J. Rohrbach. 2,357,267; Aug. 29.
Speed control and synchronizing device. W. E. Mydans. 2,357,055; Aug. 29.
Spray gun. W. C. Mason. 2,356,865; Aug. 29.
Spray nozzle. D. J. Peeps. 2,356,944; Aug. 29.
Spring group. F. E. Bachman. 2,356,742; Aug. 29.
Spring group. D. M. Light. 2,357,264; Aug. 29.
Spring processing device. W. O. Bennett, Jr., and E. W. Drescher. 2,356,912; Aug. 29.
Spring structure. L. A. Young. 2,357,248; Aug. 29.
Spring unit. A. O. Williams. 2,356,962; Aug. 29.
Stall warning device. J. Holthe. 2,356,847; Aug. 29.
Stand for draftsmen or the like, Adjustable. G. E. Froelich. 2,356,924; Aug. 29.
Stencil washing apparatus. R. V. McKinley. 2,356,771; Aug. 29.
Stool carriage, Adjustable. R. B. Hewitt. 2,357,046; Aug. 29.
Storm sash and window screen structure. S. C. Kirkpatrick. 2,357,119; Aug. 29.
Stove for burning solidified hydrocarbon fuel. A. O. Herron. 2,356,788; Aug. 29.
Strip affixing device. F. J. Connolly. 2,357,173; Aug. 29.
Strut, Shock absorbing. J. F. Wallace. 2,357,036; Aug. 29.
Submarine escape and communication device. R. Wolf. 2,357,064; Aug. 29.
Sulphanilyl aryl guanidines, Preparing. G. W. Anderson. 2,357,249; Aug. 29.
Sulphanilylaikylisoureas, Preparing. R. O. Roblin, Jr., and G. W. Anderson. 2,356,949; Aug. 29.
Sulphonyl aryl biguanides, Preparation of. R. O. Roblin, Jr. 2,357,268; Aug. 29.
Support: *See*—
Trailer support. Turntable slide support.
Surface treating apparatus for poles. C. B. Stair. 2,357,144; Aug. 29.
Switch: *See*—
Electrical switch.
Switch. W. H. Frank. 2,357,183; Aug. 29.
Switch for electrical discharge lamps, Starting. P. L. Betz. 2,356,812–3; Aug. 29.
Switching mechanism. R. V. L. Hartley. 2,357,108; Aug. 29.
Tackle box and chair, Fishing. J. K. McDole. 2,357,214; Aug. 29.
Tailstock. R. E. Flanders. 2,356,839; Aug. 29.
Take-up block. F. S. Zaica. 2,357,065; Aug. 29.
Tank mounting. J. H. Turner. 2,357,148; Aug. 29.
Taper boring tool. M. Reeve. 2,357,132; Aug. 29.
Tappet construction. C. Voorhies. 2,356,900; Aug. 29.
Telephone system. B. D. Holbrook. 2,356,846; Aug. 29.
Temperature indicator. F. R. Sias. 2,257,140; Aug. 29.
Temperatnre reaction and furnace therefor, High. F. Roper-Lowe and R. Sandison. 2,357,135; Aug. 29.
Terminal structure, Leakproof. R. W. De Monte and L. E. Milarta. 2,356,831; Aug. 29.
Testing materials. G. Keinath. 2,356,763; Aug. 29.
Textile finishing. J. T. Thurston. 2,357,273; Aug. 29.
Textiles and apparatus therefor, Treating. H. O. Kauffmann. 2,357,262; Aug. 29.
Thermoplastic hydrocarbons, Dispersions of. R. B. Porter, Jr. 2,356,882; Aug. 29.
Thiourea, Production of. J. van de Kamp. 2,357,149; Aug. 29.
Timing apparatus. T. B. Gibbs, M. E. Brown, and P. B. Wickham. 2,356,991; Aug. 29.
Titanium pigments and producing the same. J. A. Geddes. 2,357,101; Aug. 29.
Toluene sweetening. G. F. de Ridder. 2,356,980; Aug. 29.
Tool: *See*—
Cutting tool. Resin tool.
Fastener applying tool. Snap ring assembling tool.
Gear finishing tool. Taper boring tool.
Tool. L. Pollock. 2,356,881; Aug. 29.
Tool feeding mechanism. W. F. Groene. 2,356,997; Aug. 29.
Tool holder. L. C. Hauer. 2,357,045; Aug. 29.
Towing attachment. G. Haniquet. 2,356,998; Aug. 29.
Toy. F. J. Ebeling. 2,357,179; Aug. 29.
Toy airplane. J. M. H. Jacobs. 2,357,005; Aug. 29.
Trailer. L. Hathaway. 2,356,741; Aug. 29.
Trailer support. F. F. Meyer. 2,356,941; Aug. 29.
Transformer. A. N. Garin. 2,357,098; Aug. 29.
Transmission and control mechanism. F. A. Parsons. 2,357,222; Aug. 29.
Transmission control in two-way signaling systems. A. C. Norwine. 2,356,943; Aug. 29.
Trap: *See*—
Filter and solids trap.
Treatment of molds and compositions therefor. H. G. Bimmerman and A. L. Fox. 2,356,814; Aug. 29.
Tripod base. H. Brady. 2,357,165; Aug. 29.
Tube bending machine. A. B. Johnson. 2,357,006; Aug. 29.
Tube mill. B. Bannister. 2,356,734; Aug. 29.
Tuning head for stringed instruments. J. E. Kluson. 2,356,766; Aug. 29.
Tuning mechanism. W. R. Koch. 2,356,935; Aug. 29.
Turbine, Hydraulic. P. W. Seewer. 2,357,228; Aug. 29.
Turntable slide support. S. Behar. 2,357,160; Aug. 29.
Typewriting machine. W. F. Helmond. 2,356,842; Aug 29.
Typewriting machine. H. B. Smith. 2,357,142; Aug. 29.
Universal resonant type fatigue testing machine. J. C. Sims, Jr. 2,356,894; Aug. 29.
Valve: *See*—
Check valve. Pressure actuated valve.
Float valve.
Valve. R. S. Budd. 2,357,169; Aug. 29.
Valve. W. T Houser. 2,357,002; Aug. 29.
Valve. S. C. Raybon. 2,357,022; Aug. 29.
Valve. A. von Wangenheim. 2,356,958; Aug. 29.
Valve for gas heaters, Pilot control. F. R. Maronek. 2,357,215; Aug. 29.
Valve structure for steam conducting systems. C. L. Funtan. 2,357,097; Aug. 29.
Variable speed drive. L. S. Treese and E. G. Schubert. 2,357,035; Aug. 29.
Varnish. M. Holzmer and T. A. Neuhaus. 2,356,789; Aug. 29.
Vault, Burial. D. Turner. 2,356,957; Aug. 29.
Vault, Safe-deposit. W. R. Whiting. 2,356,804; Aug. 29.
Vegetable and fruit grader. S. P. Pesznecker. 2,356,945; Aug. 29.
Vehicle: *See*—
Resin emulsion vehicle.
Vehicle wheel. J. A. Marison. 2,356,940; Aug. 29.
Vehicular glazing construction. F. F. Painter. 2,356,878; Aug. 29.
Vent system, Fuel cell. C. L. Zitza. 2,356,906; Aug. 29.
Ventilator. G. G. Bastian. 2,356,735; Aug. 29.
Vibratory electric motor. C. S. Weyandt. 2,356,961; Aug. 29.
Vinyl halides, Polymerization of. C. F. Fryling. 2,356,925; Aug. 29.
Vitrified diamond grinding wheel. R. H. Lombard. 2,356,937–8; Aug. 29.
Voltmeter and ohmmeter, Electronic. J. R. Banker. 2,356,733; Aug. 29.
Vulcanization of rubber. P. C. Jones and R. A. Mathes. 2,356,933; Aug. 29.
Vulcanizer, Portable. R. E. Laurence. 2,356,858; Aug 29.
Web roll supporting mechanism. W. F. Huck and W. C. Wieking. 2,357,259; Aug. 29.
Welding, Electric arc. J. J. Chyle. 2,356,822; Aug. 29.
Welding method and apparatus. C. F. Leathers and G. E. Undy. 2,356,859; Aug. 29.
Welding system. H. Klemperer. 2,356,765; Aug. 29.
Welds, Treating. S. B. Kirk. 2,356,854; Aug. 29.
Well casings, Washing gravel out of perforate. L. A. Layne. 2,356,769; Aug. 29.
Wheel: *See*—
Balance wheel. Vehicle wheel.
Wheel construction. C. Hollerith. 2,357,000; Aug. 29.
Winding apparatus. O. T. Brown. 2,357,079; Aug. 29.
Windshield wiper, Electric. J. B. Whitted. 2,357,152; Aug. 29.
Wiper arm, Windshield. T. J. Smulski. 2,357,280; Aug. 29.
Wire-enameling apparatus. C. Bruining. 2,357,168; Aug. 29.
Wire-transposing device. R. Case. 2,356,750; Aug. 29.
Wool pulling and sorting. S. S. Steinharter. 2,356,898; Aug. 29.
Work holder. W. E. Parks. 2,357,128; Aug. 29.
Work holding and masking device. W. W. Prue. 2,356,883; Aug. 29.
Wrapper for bottles or phials. G. W. Taylor. 2,357,147; Aug. 29.
Yarn drying apparatus. H. S. Drum and W. C. Dodson. 2,356,834; Aug. 29.
Yarns of endless threads, Manufacture of strongly curled, woollike twisted. G. Rutishauser. 2,356,887; Aug. 29.
Zinc salts of mercaptothiazolines. P. C. Jones and R. A. Mathes. 2,356,932; Aug. 29.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 29, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1944

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

BOGOSLOWSKY v. HUSE

No. 4,871. Decided April 4, 1944

[142 F.(2d) 75]

1. INTERFERENCE—CONCEALMENT.

The doctrine of concealment and suppression laid down in *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147, *Held* not to apply to one who has merely conceived an invention and has concealed and suppressed such conception.

2. SAME—SAME.

"There is good reason for the rule that said doctrine is applicable only where there has been an actual reduction to practice of an invention which requires physical embodiment in a structure and testing to demonstrate its operability and utility, or, in the case of a process, the operation of such process for like purposes. In the eyes of the law the invention is not completed until it has been reduced to practice."

3. SAME—REDUCTION TO PRACTICE—CORROBORATION.

Where appellant testified that he made a number of golf balls according to the method set forth in the counts, exhibited these balls to two witnesses, explained to these witnesses the method of making the balls, tested the balls in their presence, and found the balls very satisfactory; and this testimony was corroborated by said witnesses, but neither professed to know how the balls were made except from statements made to them by appellant, *Held* that the testimony of the witnesses could not be relied upon for corroboration of appellant's testimony respecting reduction to practice of the method.

4. SAME—SAME—EVIDENCE TO ESTABLISH REDUCTION TO PRACTICE.

Where appellant contended that an examination of a dissected ball, claimed by him to have been made according to the method described in the counts, would disclose that it must have been made by said method "because of the characteristic softness of the shrunken center of the dissected ball" and the brief for appellant stated that "no balls made by any other method, either before or since, exhibit this characteristic," *Held* that such statement by appellant's counsel could not be accepted and that such statement "if correct, should have been established by evidence."

5. SAME—PRIORITY.

Evidence reviewed and *Held* that appellee was the first to conceive and the first to reduce to practice and that priority properly was awarded to him.

APPEAL from the Patent Office. Affirmed.

Messrs. Emery, Varney, Whittemore & Dix (*Mr. Nichol M. Sandoe* of counsel for Bogoslowsky.

Mr. Henry T. Hornidge for Huse.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Interference Examiners of the United States Patent Office in an interference proceeding awarding to appellee priority of invention of the subject matter of the six counts of the interference constituting the issue.

The interference is between an application of appellee filed on February 24, 1938, and an application of appellant filed on April 11, 1938.

Appellant being the junior party, the burden was upon him to establish priority of invention by a preponderance of evidence.

Count 2 is illustrative of the subject matter involved and reads as follows:

2. In the manufacture of cores for playing balls, the method which comprises winding elastic thread under tension about and in direct contact with a sphere of frozen liquid, applying the thread with sufficient tension so that as the frozen liquid melts and is allowed to escape from the core the cavity thereby formed will be automatically filled with tensioned thread, and continuing the winding until a core of the desired diameter has been built up.

The involved invention is sufficiently described in said count.

The Board held that appellee had established a date of conception of the invention prior to the earliest date alleged in the preliminary statement of appellant; that neither of the parties had established actual reduction to practice of the invention, and that appellee, being the first to constructively reduce it to practice by the filing of his application, was entitled to the award of priority of invention.

Appellant does not challenge the holdings of the Board with respect to appellee's reduction to practice.

Upon this point counsel for appellant, in their brief, state:

The Board of Interference Examiners, after a searching analysis of the testimony on behalf of Huse, held that Huse has not established an actual reduction to practice prior to his filing date (Rec. p. 803). And since we see no error either in the reasoning of the Board or in the facts as found, we submit that this holding should be affirmed. Furthermore, in view of the extended discussion by the Board, to which we have nothing to add, we shall merely adopt the Board's discussion as a satisfactory statement of our position on this phase of the case.

Appellee before us does not challenge the finding of the Board that he had not established actual reduction to practice of the invention.

Appellant urges reversal of the decision of the Board upon two grounds, viz:

1. That appellee concealed and suppressed the invention, and that under the doctrine declared in *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147, and many times approved by this court, appellee is estopped from claiming priority of invention, and

2. That the Board erred in holding that appellant had not established reduction to practice of the invention prior to appellee's constructive reduction to practice, and that it should have held that appellant reduced the invention to practice in November 1936.

[1][2] Appellant's contention that appellee concealed and suppressed the invention will first be considered.

As hereinbefore stated, there is no contention by either of the parties that the Board erred in holding that appellee had not established an actual reduction to practice of the invention, and is confined to his filing date for constructive reduction to practice.

Appellant's contention, therefore, is that said doctrine of concealment and suppression applies not only to one who has reduced an invention to practice and then concealed and suppressed it, but that it applies also to one who has merely conceived an invention and has concealed and suppressed such conception.

Appellant has cited no case of any court where the doctrine has been applied to the mere conception of an invention. On the contrary, in every case cited by appellant and, so far as we are aware, in every case decided by the courts where the doctrine has been applied, there has been a previous reduction to practice of the invention involved.

In the case of *Wirshing et al.* v. *Pine et al.*, 28 C. C. P. A. (Patents) 1052, 118 F.(2d) 916, 530 O. G. 3, we said:

> Nor is it necessary here to consider the question of the applicability of the principle akin to the doctrine of equitable estoppel laid down in *Mason* v. *Hepburn*, 13 App. D. C. 86, because the principle is never applied where there is no reduction to practice.

Appellant cites a number of cases in which it was held that there was no reduction to practice of the invention by the party charged with concealment and suppression, but, assuming that there was such reduction, the doctrine of concealment and suppression was applicable.

In each of such cases, however, one of the issues in the case was whether there had been an actual reduction to practice, and it was held that assuming that the party claiming such reduction to practice was right in such contention it would avail him nothing because, in that event, the doctrine of estoppel through concealment and suppression would be applicable.

In the case at bar, however, there is no ground for assuming an actual reduction to practice by appellee, for neither party here claims that there was such.

There is good reason for the rule that said doctrine is applicable only where there has been an actual reduction to practice of an invention which requires physical embodiment in a structure and testing to demonstrate its operability and utility, or, in the case of a process, the operation of such process for like purposes. In the eyes of the law the invention is not completed until it has been reduced to practice.

In the case of *Clark Thread Company* v. *Willimantic Linen Company*, 140 U. S. 481, 56 O. G. 395, the court said:

> A conception of the mind is not an invention until represented in some physical form, and unsuccessful experiments or projects, abandoned by the inventor, are equally destitute of that character. These propositions have been so often reiterated as to be elementary.

In Walker on Patents (Deller's Edition), p. 110, it is stated:

> An invention is the result of an inventive act; it consists in (1) a mental operation involving the conception of an idea and (2) a physical operation involving the reduction to practice of the inventive concept.

Indeed, the foregoing statement is so elementary as not to require the citation of authority in support of the same.

If then a party has not made an invention we cannot understand how he could be charged with concealing and suppressing something which had no existence, so far as he was concerned, at the time of the alleged concealment and suppression.

In the case of *Altorfer and Dehle* v. *Haag*, 22 C. C. P. A. (Patents) 806, 74 F.(2d) 129, 453 O. G. 959, we said:

> We have frequently discussed the doctrine of *Mason* v. *Hepburn*, supra, and have definitely indicated that we will not extend it. We said in *Miller* v. *Haymen*, 18 C. C. P. A. (Patents) 848, 46 F.(2d) 188, that the doctrine of estoppel (or the doctrine akin to equitable estoppel, *Consolidated Fruit-Jar Company* v. *Wright*, 94 U. S. 92) was not favored, since estoppels preclude a party from showing the truth.

In the case of *Severson* v. *Olson*, 20 C. C. P. A. (Patents) 946, 64 F.(2d) 694, 434 O. G. 253, we said that

> "we are not disposed to extend the doctrine or make more liberal application of it in interference cases than was made in *Mason* v. *Hepburn*, supra. On the contrary we recognize the danger that might flow from its loose application, and that, unless great caution is observed, it might be gradually extended until its application resulted in far greater inequities than it was designed to cure."

So, to apply the doctrine to one who has merely conceived an invention and has not completed it by reducing it to practice might result in far greater inequities than it was designed to cure, and we will not so apply it.

For the reasons stated, we are in agreement with the holding of the Board that the doctrine of concealment and suppression is not applicable to the case at bar, there being no contention before us by either of the parties that appellee had reduced the invention to practice at the time that it is contended that he had concealed and suppressed the invention.

[3][4] We next come to appellant's second contention, that the Board erred in failing to hold that appellant was the first to conceive the invention and the first to reduce it to practice.

With regard to conception, the Board held that appellee had established conception prior to any dates alleged by appellant in his preliminary statement. This is not seriously challenged by appellant, and at any rate it is abundantly established by the evidence that the Board was correct in its holding.

With respect to actual reduction to practice of the invention by appellant, little need be said. Appellant testified that in the summer of 1936 he made a certain number of golf balls according to the method set forth in the counts and exhibited them to one George Oakley and to his (appellant's) associate in business, Louis F. Muccino; that he explained to them the method of making the balls, and that they were tested in their presence and found very satisfactory.

This testimony was corroborated by said Oakley and Muccino, but neither of said witnesses professed to know how the balls were made except from statements made to them by appellant. In other words, there is no corroboration of appellant's testimony of the method used by him in making the balls.

Four of the balls claimed by appellant to have been made according to the method described in the counts were introduced in evidence. One of the balls was cut open shortly prior to the taking of the testimony.

It is the contention of appellant that an examination of the dissected ball discloses that it must have been made by the method described in the counts, "because," to quote from appellant's brief, "of the characteristic softness of the shrunken center of the dissected ball." Appellant's brief states that

> "No balls made by any other method, either before or since, exhibit this characteristic. It is an exclusive characteristic of ice center balls, inherent in the peculiar method of manufacture."

We find nothing in the record supporting the statement last above quoted, and obviously we may not accept a statement of appellant's counsel which, if correct, should have been established by evidence.

There being no corroboration of appellant's testimony with respect to the method of making the balls, the testimony of Oakley and Muccino cannot be relied upon for corroboration of appellant's testimony respecting reduction to practice of the invention. See *Wirshing et al.* v. *Pine et al.*, supra; *Collins* v. *Olson*, 26 C. C. P. A. (Patents) 1017, 102 F.(2d) 828, 503 O. G. 3.

We, therefore, hold that the Board correctly decided that appellant had not established a reduction to practice of the invention prior to his filing date.

[5] For the reasons stated, the decision appealed from is affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

U. S. Court of Customs and Patent Appeals

IN RE THOMPSON, ET AL.

No. 4,828. Decided April 27, 1944

[— F.(2d) —]

1. APPEAL—REMAND.
   Case remanded for the purpose of having the tribunals of the Patent Office plainly decide why the claims on appeal, which group together zinc, manganese, trivalent chromium, aluminum, magnesium, cadmium, calcium and nickel, and the salts of these metals, are not proper Markush type claims.

2. SAME—SAME.
   "We do not understand from the decisions below the statement that 'It is quite obvious that these metals are not grouped in any recognized classification.' Neither the Primary Examiner nor the Board of Appeals gave any other reason or cited any technical authorities in support of their holdings that the appealed claims * * * were not of the proper Markush type. Why the experts in the Patent Office, in rejecting claims such as those here involved, should not explain their views, and cite authorities in support of their holdings, is difficult for us to understand. So far as we have been able to ascertain there has never been any explanation by the Patent Office tribunals how it is determined that substances in a Markush type claim possess or do not possess 'a community of chemical or physical characteristics definitely recognized in scientific classification,' as held in the case of *Ex parte Burke*, 1934 C. D. 5, 21 U. S. P. Q. 399, 441 O. G. 509. It would be to the benefit of all concerned with the patent system to get a more explicit definition of proper groupings under the Markush doctrine from the experts of the Patent Office than can now be found."

3. SAME—SECTION 4913 R. S.
   "The failure of the tribunals below to state the reasons for their decisions is in our opinion contrary to section 4913 R. S."

APPEAL from the Patent Office. Reversed and remanded.

Messrs. Owen & Owen (*Mr. Scott H. Lilly* of counsel) for Thompson et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

Appellants filed an application for a patent for "new and useful improvements in a Corrosion-Resistant Metallic Article and Method of Making the Same."

The Primary Examiner rejected claims 1 to 9, inclusive, and 11 to 15, inclusive, all of the claims in the case. Some of the claims he rejected in view of prior art, which it is not necessary to set out in view of the issue here. Other claims he rejected as being indefinite and "broader than the disclosure warrants with respect to the metal which is treated." In this connection the Examiner stated only that

> The substances recited in lines 5 and 6 of claim 2 and lines 4 and 5 of claim 4 cannot be grouped together without doing violence to the generally accepted principles of chemical and scientific classification. *Ex parte Dahlen*, 1934 C. D. 9 [21 U. S. P. Q. 397], and *Ex parte Burke*, 441 O. G. 509 [21 U. S. P. Q. 399].

The Board of Appeals affirmed the Examiner as to claims 2 and 4, but reversed him as to the remainder of the claims. In affirming the decision of the Examiner as aforesaid the Board merely stated

> * * * We sustain the Examiner only to the extent that claim 2, as an example, refers to the metals of a group which group is obviously not drawn in accord with the Markush doctrine. Appellants' statement that the metals are in a group because they have four characteristics in common, that is, that they are metals and each has a valence of at least two and each forms a phosphate or a chromate or dichromate, is no satisfactory reason, in our opinion, for collecting them as a Markush group. It is quite obvious that these metals are not grouped in any recognized classification.

From that decision involving claims 2 and 4 this appeal was taken. Those claims read as follows:

> 2. A process which comprises applying to an industrial metallic surface a film of an acidulous aqueous solution the chief components in the solution as applied containing the PO_4 radical, hexavalent chromium and a metal of the group consisting of zinc, manganese, trivalent chromium, aluminum, magnesium, cadmium, calcium and nickel, said film containing sufficient chemicals to form a corrosion-resistant paint-holding coat when dried, and drying the film on the metallic surface.
>
> 4. A process which comprises applying to an industrial metallic surface a solution containing as its chief ingredients when applied phosphoric acid, chromic acid and a salt of a metal of the group consisting of zinc, manganese, trivalent chromium, aluminum, magnesium, cadmium, calcium and nickel, said film containing sufficient chemicals to form a corrosion-resistant paint-holding coat when dried, and drying the film on the metallic surface.

[1][2][3] The sole question here is whether or not it is proper to include in claims of the Markush type the following group of metals and the salts thereof: zinc, manganese, trivalent chromium, aluminum, magnesium, cadmium, calcium and nickel.

From the statement of the Board hereinbefore quoted, the Board apparently was of opinion that the metals involved in appealed claims 2 and 4 have four characteristics in common, and even if that were so the metals nevertheless were not grouped in any recognized classification.

We do not understand from the decisions below the statement that "It is quite obvious that these metals are not grouped in any recognized classification." Neither the Primary Examiner nor the Board of Appeals gave any other reason or cited any technical authorities in support of their holdings that the appealed claims, 2 and 4, were not of the proper Markush type. Why the experts in the Patent Office, in rejecting claims such as those here involved, should not explain their views, and cite authorities in support of their holdings, is difficult for us to understand. So far as we have been able to ascertain there has never been any explanation by the Patent Office tribunals how it is determined that substances in a Markush type claim possess or do not possess "a community of chemical or physical characteristics definitely recognized in scientific classification," as held in the case of *Ex parte Burke*, 441 O. G. 509, 1934 C. D. 5, 21 U. S. P. Q. 399. It would be to the benefit of all concerned with the patent system to get a more explicit definition of proper groupings under the Markush doctrine from the experts of the Patent Office than can now be found.

In view of the failure of either of the tribunals below to state such reasons the court is unable to give proper consideration to the technical questions presented and the failure of the tribunals below to state the reasons for their decisions is in our opinion contrary to section 4913 R. S. That section states in part as follows:

> • • • The party appealing shall lay before the court certified copies of all the original papers and evidence in the case, and the Commissioner shall furnish the court with the grounds of his decision, fully set forth in writing, touching all the points involved by the reasons of appeal.

We are not aided by other previous decisions of the Patent Office with respect to proper Markush groupings of metals, for the reason that they appear to accept as proper the grouping of metals from various groups of the periodic system. In the case of *Ex parte Larson*, 422 O. G. 3, 15 U. S. P. Q. 68, the group includes metals from the second, sixth and seventh periodic groups; the case of *Ex parte Schwarzkopf*, 35 U. S. P. Q. 292, includes a group of metals taken from the first, second, third, fourth and eighth periodic groups; and the case of *Ex parte Kharasch*, 39 U. S. P. Q. 123, includes an approved group of metals from the first, second and third periodic groups. The metals involved in the appealed claims 2 and 4 are from the second, third, sixth, seventh and eighth periodic groups.

The allowed claims, of course, are not before the court and have been given no consideration. Our remand is for the sole purpose of having the tribunals of the Patent Office plainly decide why claims 2 and 4 are not proper Markush type claims.

For the reasons stated the decision of the Board of Appeals is reversed with respect to claims 2 and 4, and the case is remanded for further proceedings consistent with what has been said herein.

Reversed and remanded.

U. S. Court of Customs and Patent Appeals

IN RE HELTZEL

No. 4,873. Decided April 27, 1944

[142 F.(2d) 688]

1. APPLICATION—DISCLOSURE—RIGHT OF APPLICANT TO MAKE CLAIMS COPIED FROM PATENT.

Certain claims to an expansion joint assembly copied by appellant from a patent granted to another *Held* not to read upon the disclosure of appellant's application.

2. SAME—SAME—SAME.

Held that the doctrine of equivalency is irrelevent in consideration of the question whether applicant has the right to make claims copied from a patent.

APPEAL from the Patent Office. Affirmed.

Mr. Eugene E. Stevens for Heltzel.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

Appellant herein copied claims 1, 2 and 4 of a patent to William S. Godwin, No. 2,267,023, issued December 23, 1941 on an application dated November 10, 1937, Serial No. 173,785, for the purpose of an interference. Both the Primary Examiner and the Board of Appeals of the United States Patent Office held that the said claims did not read on the application and therefore rejected them. From the decision of the Board this appeal was taken.

The involved claims are numbered 122, 123 and 124. Claim 122 is illustrative and reads as follows:

> 122. An expansion joint assembly for sectional concrete pavements, comprising a filler strip member adapted to be located within the narrow opening between the vertical edges of the said sections, rectangular elongated dowels extending through said filler strip at spaced intervals having their long cross-sectional dimensions perpendicular to the upper surface of the pavement, said dowels being adapted to have one end thereof imbedded in and adjacent the edge of one of the said concrete sections, elongated rectangular bars of substantially the same width as the said dowels imbedded adjacent the edge of an adjoining concrete section and extending parallel to the said dowel and positioned to provide sliding surfaces for the upper and lower horizontal faces of the opposite ends of the dowels, closure plates secured to the said bars to form rigid sockets for keeping the said dowels and bar members in alignment, the dowels being spaced from the rear end of the sockets to permit a limited movement of the dowels in and out of the socket members.

Appellant's application is a continuation-in-part of a former application and relates to alleged improvements in removable expansion and dowel rod installations. Its principal object is stated to be a provision for a removable expansion joint plate or form between abutting slabs of concrete, together with means for forming an expansion cushion and sealed joint, for use in connection with concrete roads, floors, roofs, walls and similar plastic structures. The involved claims relate more particularly to dowels. The dowels are rods embedded in abutting slabs of concrete. Each dowel has its ends embedded within the said slabs so that they are held against relative lateral or vertical shifting while at the same time expansion and contraction of the slabs is permitted. One end of the dowel is embedded in one slab and a hollow member is provided for the abutting slab, into which hollow member the dowel may move as the slabs contract or expand.

The application discloses both cylindrical and rectangular dowels, but it is to the latter construction that the issue here is presented.

Appellant's rectangular dowel structure comprises an I-beam embedded in one of the slabs and a pair of rectangular bars secured in the abutting slab and slidably positioned between the top and bottom flanges of the I-beam. In his specification appellant states that the I-beams on both sides and at the end are enclosed by a strip of thin material to prevent the entry of concrete during the pouring thereof.

The Godwin patent relates to the use of dowels for concrete pavements. The dowels are embedded in the concrete below the road surface and extend across the joints between the concrete slabs. The structure of the patent shows the dowels to be of rectangular elongated bar form embedded in one slab of concrete while the socket which is embedded in the abutting slab comprises a top and a bottom bar to which side plates have been secured, thus forming the socket in which the dowels may move.

The Primary Examiner stated it was not apparent that the flange of an I-beam could be called a bar member in the sense intended by the patentee. He also noted that the plates in the patent are "secured" to the bars to form a rigid socket, but that there is no disclosure by appellant that the thin material enclosing his I-beams is secured to form a rigid socket, the Examiner stating that appellant discloses that such enclosing material or plates may be of wood, fibre or metal.

The Board of Appeals, after having described the dowel structure of the patent, pointed out that the appellant disclosed an I-beam and that his so-called closure plates were not stated in his specification to be secured to the flanges of the said beam. The Board affirmed the reasoning of the Examiner.

[1] It is clear to us that the flanges of the I-beam cannot be considered as bar members as shown by and understood from the patent disclosure. Appellant contends that his strip of thin material enclosing the I-beams must of necessity be secured to the beams and be rigid, for the reason that otherwise in the pouring of concrete it would collapse. That contention may be true enough, and it may be that such securing of the thin material to the I-beam may be inherent from the nature of the structure. Nevertheless there is nothing in the application specifically disclosing a securing of said covering material to the I-beam. Even if such contention could be considered as meeting the securing of the bars by metal plates as shown by the patent, it would not be sufficient, in our opinion, to compel a reading of the claims upon appellant's structure for the reason that the thin flanges of the I-beam cannot be designated as bar members.

[2] It might well be that the structure of appellant could be considered as an equivalent of the structure disclosed in the patent, but we think that the doctrine of equivalency is irrelevant here. *In re Key*, 22 C. C. P. A. (Patents) 1098, 76 F.(2d) 398, 25 U. S. P. Q. 100, 459 O. G. 5, and cases there cited.

The decision of the Board of Appeals is affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,729,068, H. Fischer, Process of removing soap from its container; 1,751,301, R. M. Bagley, Apparatus for making soap solutions, D. C., E. D. Pa., Doc. 175, *R. M. Hollingshead Corp.* v. *Harley Soap Co.* Dismissed May 29, 1944.

1,751,301. (See 1,729,068.)

1,883,767, S. Crewe, Ratchet mechanism, filed July 19, 1944, D. C., E. D. Mich., S. Div., Doc. 4285, *Crewe Mfg. & Tool Co.* v. *Seal Tite Caulking Co.*

1,989,922. (See 2,203,280.)

1,992,214, D. Katz, Traffic detector, appeal filed July 1, 1944, C. C. A., 2d Cir., Doc. —, *D. Katz* v. *Horni Signal Mfg. Corp.*

2,003,196, H. A. Jackson, Welding electrode holder, D. C., E. D. Mich., S. Div., Doc. 3897, *The Detroit Electrode Holder Mfg. Co.* v. *H. A. Jackson.* Patent held not infringed July 19, 1944.

2,056,045, Fausek & Fausek, Electrode holder, filed July 3, 1944, D. C., E. D. Mich., S. Div., Doc. 4260, *H. A. Jackson* v. *Detroit Electrode Holders Mfg. Co. et al.*

2,107,347, Sloane & Sloane, Reversible handbag cover, D. C., S. D. N. Y., Doc. 25/264, *Sloane Bros.* v. *A. S. Beck Shoe Corp. et al.* Stipulation and order of discontinuance (notice July 10, 1944).

2.132,399, H. Cooper, Leather cemented articles, D. C., S. D. N. Y., Doc. 20/349, *H. Cooper* v. *Sheepskin Lining Co., Inc.* Judgment dismissing complaint and counterclaim July 19, 1944.

2,200,568, C. B. Weedon, Storm window, D. C., E. D. Mich., S. Div., Doc. 3863, *Superior Screen Co.* v. *Budman Sash & Hardware Co.* Order setting aside default and judgment, May 15, 1944.

2,201,068, G. Wintritz, Manufacture of slide fasteners; 2,318,445, same, Method and apparatus for making die rolls; 2,221,740, F. Ulrich, Manufacture of slide fastener elements, filed June 28, 1944, D. C., E. D. Pa., Doc. 3799, *Conmar Products Corp.* v. *Seltzer Fastener Co.*

2,203,280, A. A. Heath, Stencil film; 1,989,922, same, Stencil cutting sheet, D. C., S. D. Calif., C. Div., Doc. 1205–B, *A. A. Heath* v. *H. G. Frankel et al.* Complaint and cross-complaint dismissed, Patent 1,989,922 and claims 1 to 12 inclusive, 13, 15, 18, and 19 of 2,203,280 held invalid July 12, 1944.

2,221,740. (See 2,201,068.)

2,258,501, J. W. Miller, Ink pad, D. C., E. D. Pa., Doc. 2494, *J. M. Miller*, v. *U. S. Fingerprint Systems et al.* Dismissed July 21, 1944.

2,283,147, P. Hutchinson, Combined cigarette package wrapper and match package holder, C. C. A., 8th Cir., Doc. 12849, *P. Hutchinson* v. *Universal Match Corp.* Decree dismissed on stipulation of parties July 13, 1944.

2,318,445. (See 2,201,068.)

2,345,706, A. Kurnit, Portable trackage system, filed July 11, 1944, D. C., S. D. N. Y., Doc. 26/348, *A. Kurnit* v. *The Searching Wind Co.*

Re. 20,086, J. B. Des Rosiers. Vehicle brake controlling means, C. C. A., 1st Cir., Doc. 3891, *J. B. Des Rosiers* v. *Ford Motor Co.* Judgment of district court affirmed July 20, 1944.

Des. 121,563, A. M. Bressler, Sunglasses, D. C., S. D. N. Y., Doc. 15/97, *A. M. Bressler* v. *Lapin Products, Inc.* Stipulation discontinuing action July 11, 1944. Same, Doc. 15/80, *A. M. Bressler* v. *F. W. Woolworth Co.* Decree same as above (notice July 11, 1944).

Des. 136,983, A. M. Katz, Coat, D. C., S. D. N. Y., Doc. 25/182, *Duchess Royal* v. *M. Kaufmann.* Stipulation of discontinuance (notice July 8, 1944).

T. M. 75,098, V. Schmidt, Cough mixture; T. M. 258,605, W. H. Noll, Cough-balsam, filed July 18, 1944, D. C., W. D. Pa., Doc. 3106, *The Pines Co.* v. *The Pennes Products Co.*

T. M. 258,605. (See T. M. 75,098.)

T. M. 373,764, G. F. Heublein & Bro., Whiskey, D. C., M. D. Pa., Doc. 595, *G. F. Heublein & Bro.* v. *Bushmill Wine & Products Co. et al.* Injunction June 29, 1944.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., July 28, 1944.*

Oval E. Hall, his assigns or legal representatives, take notice:

Interferences have been declared by this Office between the application for patent of Oval E. Hall, General Delivery, Bremerton, Washington, and applications for patent filed by James A. Roberts, 6201 Second Boulevard, Detroit, Michigan, Ray L. Blossom, 1421 De Soto Avenue, Burlingame, California, and a joint application of Edward F. Hinkle, 22700 Alexandrine, Dearborn, Michigan, and Alan Stewart, 1207 Pearl Street, Ypsilanti, Michigan. The attorneys who represented the party Hall have withdrawn from the case and are unable to give any other address for Hall than that given in the application papers. Copies of Office actions sent to said Hall, at the above-mentioned address, have been returned by the post-office authorities as undeliverable. Notice is hereby given that unless said Hall, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interferences will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Changes in Classification

Order No. 3,841, August 2, 1944, directs:

The following changes in the classification of inventions are hereby directed to take place immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *class 133, Coin Handling* (Division 41):

9 Packages
11 Receptacles
12 Mats and trays
13 Counter
14 Mounted

ABOLISH SUBCLASS TITLE

In *class 29, Metal Working* (Divisions 13, 14, 29), the unnumbered subclass title

Processes

which immediately follows subclass 187.

CHANGE SUBCLASS TITLES

In *class 29, Metal Working* (Divisions 13, 14, 29), subclasses 148, 148.4, and 180 should read as follows:

148 Processes of manufacture, assembly, and disassembly
148.4 Balls, rolls, races, and cages
180 Metal stock and blanks

In *class 234, Recorders* (Division 41), the title of subclass 62 should read:

62 Thermal application to record receiver

ESTABLISH SUBCLASSES

In *class 78, Metal Forging and Welding* (Division 45):

0.5 Briquetting (e. g., powder, scrap)

In *class 116, Signals and Indicators* (Division 34):

Indicators
136.5 Pointers or indicator arms

In *class 206, Special Receptacles and Packages* (Division 40):

0.80 For coins (e. g., mats)
0.81 Combined
0.82 With closing or fastening means
0.83 Multiple pocket or compartment
0.84 Multiple pocket or compartment

In *class 232, Deposit and Collection Receptacles* (Division 41):

64 Coin deliverers (e. g., for dumping into collector's hand)
65 Swingable or tiltable delivering element
66 With controlled discharge outlet

In *class 235, Registers* (Divisions 23, 41):

Calculators
64.3 Decimal point locators (Division 41)
64.7 Photographic

MISCELLANEOUS CHANGES

In *class 29, Metal Working* (Divisions 13, 14, 29), subclasses "188 Compound bars and tubes" and "189 Compound plate" should appear, in order, immediately following subclass 179.5 and coordinate therewith.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
133	9	206	0.80+
133	9	229	87.2
133	11	45	7
133	11	211	49
133	12, 13	206	0.80+
133	13, 14	232	64+

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Sources	
Class	*Subclass*	*Class*	*Subclass*
78	0.5	29	1
78	0.5	78	13, 42
116	136.5	116	129
206	0.80+	133	9, 11+
232	64+	133	13, 14
235	64.3	235	69, 70, 83, 84, 88
235	64.7	235	70, 88, 89

IN THE DEFINITIONS:

15, Brushing, Scrubbing, and General Cleaning (Division 27)

in subclass 236, under "(2) Search Classes", add:

158—LIQUID AND GASEOUS FUEL, subclass 13.6, for scrapers combined with a fluid fuel burner.
219—ELECTRIC HEATING, subclasses 21 and 29 for scrapers combined with electric heating means.

18, Plastics (Division 15)

in the main class definition, third paragraph, second sentence, correct the spelling of "exists";

under "Search Class", in the reference to class 29, Metal Working, cancel "blanks and" and add:

78—METAL FORGING AND WELDING, subclass 0.5, for apparatus peculiar to the pressing of comminuted metal and see the notes thereto for the line.;

in subclass 47.5, under "Search Class", in the reference to class 29, Metal Working, cancel "blanks and";

in subclass 54.5, under "Search Class", in the reference to class 29, Metal Working, cancel "blanks and" each occurrence;

in subclass 54.7, under "Search Class", in the reference to class 29, Metal Working, cancel "blanks and";

in subclass 59, under "(2) Search Classes", in the reference to class 29, Metal Working, cancel "blanks and".

29, Metal Working (Divisions 13, 14, 29)

in the main class definition, under paragraph II, in the reference to subclasses 148+, change "Blanks and processes" to *Processes*;

in subclass 25.10, (6) Note, change "subclass 89" to *subclasses 234+*;

in subclass 25.11, under "Search This Class, Subclass", in the reference to subclass 148, cancel "blanks and", each occurrence, and, in numerical order, add:

180+—for metal stock and blanks.;

in subclass 25.13, under "Search This Class, Subclass", in the reference to subclass 180, change "processes of making the same" to *blanks*;

in subclass 25.17, under "Search This Class, Subclass" in the reference to subclass 155.41, cancel "blanks and" and in the reference to subclass 155.55, cancel "blanks and";

in subclass 25.41, under "Search This Class, Subclass", in the reference to subclasses 148+, cancel "blanks and", each occurrence;

in subclass 148, after "process", change the comma (,) to a period (.) and cancel the remainder of the sentence, and under "Search This Class, Subclass", in numerical order, add:

180+—for metal stock and blanks.;

in subclass 148.4, after "rolls", first occurrence, insert: *, the races against which anti-friction ball and rolls bear,*;

in subclass 149.5, under "Search This Class, Subclass" in the reference to subclass 148.4, after "rolls" insert *, races*;

in subclasses 150, 151, 152.1, 152.2, 153, 153.1, 154, 155, 155.41, 155.5, 155.52, 155.53, 155.54, 155.55, 156.61, 156.62, 156.63, 156.8, 157.1, 157.3, 158, 159, 159.01, 159.02, 159.03, 159.1, 159.2, 159.3, 160, 161, 162, 165, 166, 167, 168, 169, 169.2, 170, 171, 172, 173, 175, 176, 178, 179, and 179.5, change "Blanks and processes" to *Processes*;

in subclasses 152, 164, and 177, cancel "blanks and";

in subclass 155.41, (3) Note, cancel "or blank", and under "Search This Class, Subclass", in the reference to subclass 155.5, cancel "blanks and";

in subclass 156, add:

(4) Note.—For processes of manufacturing races for anti-friction bearings, see this class, subclass 148.4.;

in subclass 160.5, add:

(3) Note.—For apparatus peculiar to the pressing of particulate metal, search class 78, METAL FORGING AND WELDING, subclass 0.5 and see the notes thereto for the lines.;

in subclass 179.5, "(3) Note.", cancel "or blank" and under "Search This Class, Subclass", in the reference to subclasses 180+, after "metal" insert *blanks*, and under "Search Class", in the reference to class 154 Laminated Fabrics and Analogous Manufactures, add:

Subclass 2.22 provides for the methods for joining or splicing two or more conductors to one another, and subclass 2.22 therefore includes the patents in class 154 for joining a non-metallic conductor to a metallic conductor by a class 154 method. Where the method of making the bonded joint between the metal part and the non-metallic part includes another operation in addition to the class 154 operation, the patent is classified in this subclass in class 29.;

in subclass 180, at the end of the definition, cancel the period (.) and insert:

and this is the generic place for blanks, i. e., incomplete products of manufacture requiring further processing to convert them into final form.;

cancel (1) Note and substitute:

(1) Note.—Articles which are essentially completed but require further processing only to the extent of assembling with other devices with which they are used, are classified in the appropriate article class even though the articles are designated as blanks.;

in (1.5) Note.—cancel "blanks and", and add:

(1.7) Note.—Many of the preceding subclasses, except subclasses 148+ include blanks in addition to apparatus and processes, but see particularly the subclasses indented under the title "Special Work".

in subclass 181, add:

Search this class, subclass—
188, 189—for processes of making compound stock material.

Search this class, subclass—
188—for processes of making compound bars and tubes.;

in subclass 284, under "Search Class", insert in numerical order:

304—SCAFFOLDS, subclasses 9 and 29 for temporary holders for use in fastening sheet material to an overhead member or surface, e. g., to a ceiling.

35, Education (Division 53)

in subclass 36, in the note, after "per se" insert:

, subclasses 53+, for hand and arm rests intended for constant use, and subclasses 106+, for devices attached to the hand or fingers and supporting a pen or pencil in slant position for use.

42, Firearms (Division 22)

in subclass 77, under "Search Class", add:

102—AMMUNITION AND EXPLOSIVE DEVICES, subclass 41, for auxiliary barrels having a subcaliber bore and adapted to be loaded or otherwise handled like a practice cartridge.;

in subclass 85, under "Search Class", in numerical order, add:

224—PACKAGE AND ARTICLE CARRIERS, subclasses 1+, for gun slings and carriers not claiming significant gun structure.;

in subclass 87, add:

Search Class—
224—PACKAGE AND ARTICLE CARRIERS, subclasses 13+, for cartridge holders combined with carrying means.

44, Fuel and Igniting Devices (Division 64)

in subclass 11, add:

Search Class—
18—PLASTICS, subclasses 16+, for apparatus for molding non-metallic plastics.
25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, appropriate subclasses.
78—METAL FORGING AND WELDING, subclass 0.5, for apparatus for agglomerating particulate metal.

49, Glass (Division 5)

in subclass 81, under "(4) Search Classes", in the reference to class 29, Metal Working, cancel "blanks and".

51, Abrading (Division 58)

in subclass 277, add:

Search Class—
82—TURNING, subclass 45, for work centering devices not otherwise classified, and see the notes thereto.

68, Textiles, Fluid Treating Apparatus (Divisions 2, 27)

in subclass 5, add:

(6) Note.—For hand manipulable fluid mixing and spraying devices, see class 299, FLUID SPRINKLING, SPRAYING AND DIFFUSING, the sprayer subclasses.

74, Machine Elements and Mechanisms (Divisions 12, 45)

in subclass 573, add:

(6) Note.—Search class 116, SIGNALS AND INDICATORS, subclass 136.5 for balancing means on indicators or pointers.

75, Metallurgy (Division 3)

in subclass 22, (4) Note, change the semicolon (;) to a period and cancel the remainder of the sentence, and add:

(7) Note.—For apparatus for consolidating metal powders, search class 78, METAL FORGING AND WELDING, subclass 0.5.;

in subclass 44, add:

(3) Note.—See class 78, METAL FORGING AND WELDING, subclass 0.5, for apparatus for briquetting metal particles.

78, Metal Forging and Welding (Division 45)

establish the following subclass definition:

0.5. Apparatus under the main class definition peculiar to the pressing of particulate metal (e. g., scrap, cuttings or powder), or compositions containing particulate metal as the sole bonding agent, into an agglomerate mass, article or shape at temperatures below the fusion temperature of the particulate metal and without the use of non-metallic bonding agents or external binding devices.

(1) Note.—An invention in apparatus for agglomerating material is construed as peculiar to the pressing of particulated metal when (1) the claims comprehend a metal only, (2) the claims comprehend both a metal and a material whose manner of identification is insufficient to admit of a determination of any affirmative characteristic thereof,

(3) the claims do not identify a material but the sole disclosure is of a metal or of both a metal and a material which cannot be identified as in (2) above, and (4) the entire bondable material of a composition is identified as in (1), (2), or (3) above.

(2) Note.—Processes corresponding to the apparatus of this subclass are classified as follows:

(I) Processes of agglomerating particulate metal only
(a) *By pressure only*
29, METAL WORKING, subclasses 148+, but particularly subclass 160.5.
(b) *By heat or heat pressure*
75, METALLURGY, subclass 22.
(II) Process of agglomerating particulate metal with non-particulate metal present
(a) *By pressure, heat or heat and pressure*
29, METAL WORKING, subclasses 148+, for articles and metal stock;
117, COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, subclasses 22 and 31, for coatings.
(III) Processes of agglomerating particulate metal with non-metal present
(a) *Non-metal constitutes inert filler or is carried by particulate metal*
29, METAL WORKING, subclasses 148+, for articles and metal stock;
51, ABRADING, subclass 309, for abrasive tool making;
117, COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, subclasses 22 and 31, for coatings.
(b) *Non-metal bondable*
18, PLASTICS, subclasses 54+, 55+;
75, METALLURGY, subclass 22.
(IV) Processes of agglomerating particulate metal plus a manufacturing step
29, METAL WORKING, subclasses 148+, particularly subclasses 149.5 and 160.5, for agglomerating plus shaping or other metal working;
148, METAL TREATMENT, subclasses 4+, for agglomerating plus metallurgical production of the particles or other chemical treatment.

Search this class, subclass—
18—for apparatus which shapes by pressing non-particulate metal in an inclosed die.
60—for dies which shape non-particulate metal.
81—for processes of forging, including the uniting or assembly of two or more non-particulate metal bodies.

Search Class—
17—BUTCHERING, subclass 32, for meat briquetting presses.
18—PLASTICS, appropriate subclasses, for apparatus and processes for agglomerating particulate material where the material is (1) claimed as including a non-metal only, (2) claimed generically as either a metal or a non-metal, but the disclosure includes a non-metal and (3) a composition, in which at least one of the bondable materials thereof is identified as in (1) or (2) above, and see note (2) above.
22—METAL FOUNDING, subclasses 42+, for presses for packing molding sand, subclasses 67+, for apparatus for die casting metal at temperatures above the fusion temperature.
25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 22+ and 45+ for presses for shaping pottery or plastic blocks.
29—METAL WORKING, see note (2) above.
44—FUEL AND IGNITING DEVICES, subclasses 10+, for apparatus and processes of briquetting fuels.
51—ABRADING, see note (2) above.
75—METALLURGY, subclasses 3+, for processes of agglomerating ores, subclass 22, for processes of agglomerating particulate metal and see note (2) above, and subclass 44, for processes of briquetting iron for melting.
92—PAPER MAKING AND FIBER LIBERATION, subclasses 59+, for paper pulp molding.
107—BREAD, PASTRY AND CONFECTION MAKING, subclasses 15+, for food presses.
127—SUGAR, STARCH AND CARBOHYDRATES, subclasses 18+, for purging and molding of sugars.
131—TOBACCO, subclasses 11+, for compressed or plug tobacco making.
153—METAL BENDING, subclass 10, for apparatus for flattening hollow bodies such as metal receptacles and metal automobile bodies.

82, Turning (Division 13)

in subclass 45, under "(2) Search Classes", add in numerical order:

51—ABRADING, subclass 277.

85, Driven, Headed, and Screw Threaded Fastenings (Division 57)

in the main class definition, under "Search Class", in numerical order, add:

117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, appropriate subclasses, particularly subclasses 127+, for fastenings defined by name only and having a coating thereon applied by a class 117 process; however, when any characteristic of structure of the fastening is claimed, it is classified in this class (85) even though a coating is also claimed.

106, Compositions, Coating or Plastic (Divisions 38, 64)

in subclass 1, add:

(3) Note.—See class 252, COMPOSITIONS, subclasses 181.1+, for compositions and materials for use as getters for electric lamps, electric space discharge devices and similar evacuated or gas filled containers or for generating a gas or vapor within the container of an electric lamp, an electric space discharge device or similar container. The getter material or gas or vapor generated is sometimes a metal and is intended to be deposited as a coating upon the walls or other parts of the lamp or discharge device.

109, Safes, Bank Protection and Related Devices (Division 20)

in subclass 19, cancel the note and substitute:

Search Class—
206—SPECIAL RECEPTACLES AND PACKAGES, subclasses 0.80+, for coin receptacles and packages, including mats and trays having features to facilitate picking up of coins lying thereon.
232—DEPOSIT AND COLLECTION RECEPTACLES, subclasses 64+ for receptacles upon, or in, which coins are deposited and having one or more movable parts (as tiltable mounting of a tray type receptacle) which when moved will cause delivery of the coins, usually into the customer's hand.

116, Signals and Indicators (Division 34)

establish the following subclass definition:

136.5. Pointers or indicator arms, per se, for indicating, measuring or signalling devices, i. e., disassociated from dials or operating means.

Search Class—
287—ROD JOINTS OR COUPLINGS, subclasses 52+ for pivot supports for pointers.

117, Coating; Processes and Miscellaneous Products (Division 38)

in the main class definition, in the notes, under section "II. Coated Articles Classifiable Elsewhere", under "(2) Search Classes", in numerical order, add:

85—DRIVEN, HEADED, AND SCREW-THREADED FASTENINGS, for coated fastenings, e. g., nails and screws when any characteristic of structure of the fastening is claimed.

120, Stationery (Division 53)

in subclass 53, add:

Search this class, subclass—
106+—for similar devices which also suppport the pen or pencil in a slant position while being used.

Search Class—
35—EDUCATION, subclass 36, for hand and arm rests, per se, which facilitate the teaching of penmanship.
248—SUPPORTS, subclass 118, and the notes thereto, for arm rests not used in writing.;

in subclass 106, add:

Search this class, subclass—
53+—for hand or arm rests which do not directly support the pen or pencil in writing position.

133, Coin Handling (Division 41)

in the main class definition, add:

(7) Note.—For coin packages, receptacles, mats and trays: **Search Class:**
46—AMUSEMENT DEVICES, TOYS, subclasses 2+, for money boxes having toy features.
206—SPECIAL RECEPTACLES AND PACKAGES, subclasses 0.80+.
229—PAPER RECEPTACLES, subclasses 87.2 and 92 for coin wrappers, packages and cards made of paper.
232—DEPOSIT AND COLLECTION RECEPTACLES, particularly subclasses 4+, for savings boxes, 7+, for fare boxes, 33 for letter boxes combined with coin receptacles, 55+, for coin traps, and 64+, for coin deliverers for dumping change into a customer's hand.;

abolish subclasses 9, 11, 12, 13, 14.

134, Cleaning and Liquid Contact With Solids (Division 27)

in subclass 8, change "inferior" to *interior*.

150, Cloth, Leather, and Rubber Receptacles (Division 29)

in subclass 37, under "(2) Search Class", in the reference to class 133, Coin Handling, before the period (.), add: *particularly subclasses 4–6 for coin dispensers, per se*;
and add in numerical order:
206—SPECIAL RECEPTACLES AND PACKAGES, particularly subclasses 0.82+, for coin packages not having dispensing features.
229—PAPER RECEPTACLES AND PACKAGES, subclasses 87.2 and 92.9 for paper coin wrappers, packages and cards.

153, Metal Bending (Division 14)

in the main class definition, under "Search Class", in the reference to class 29, Metal Working, change "of", first occurrence, to *than*.

154, Laminated Fabric and Analogous Manufactures (Divisions 20, 55)

in subclass 2.21, under (3) Note, in the reference to class 29, Metal Working, cancel "blanks and", each occurrence;
in subclass 2.22, add:
(1.5) Note.—For joining metal parts to non-metallic parts by means of a bonded joint, see class 29, METAL WORKING, subclass 179.5 and the classes and subclasses specified in the notes to the definition of that subclass. Where the method claimed includes only joining a metal conductor to a non-metallic conductor by a cementing or laminating operation, and no other operation is included which would exclude the method from class 154, the method is classified in class 154. See the reference to class 154 in the notes to the definition of subclass 179.5 of class 29.;
in subclass 54, under "(2) Search Classes", cancel the reference to class 133, Coin Handling, and add in numerical order:
206—SPECIAL RECEPTACLES AND PACKAGES, particularly subclass 0.80 for mats and pads yieldable transversely to the plane thereof and designed to facilitate the picking up of coins lying thereon.

166, Wells (Division 32)

in subclass 5, under "(3) Search Classes", add:
210—LIQUID SEPARATION OR PURIFICATION, subclasses 154, 169, 170.

179, Telephony (Divisions 16, 51, 65)

in subclass 171, add:

Search Class—
250—RADIANT ENERGY, subclass 36, for oscillators in combination with amplifiers where the amplifier is connected so as to amplify the oscillations generated by the oscillator and where significant oscillator circuit is claimed but the amplifier circuit is recited broadly or by name only. Where an oscillator circuit and an amplifier circuit which is connected so as to amplify the oscillations generated by the oscillator is claimed and the claim recites significant amplifier circuit, the patent will be classified in this subclass in class 179, whether significant oscillator circuit is claimed or not. Class 250, subclass 36 provides for the combination of an amplifier which supplies control currents and/or potentials to any oscillator circuit and the oscillator circuit whether significant oscillator circuit is claimed or not. Any amplifier which as claimed is operated as an oscillator is classified in class 250, subclass 36. Any circuit which may oscillate and amplify simultaneously is classified in class 250, subclass 36. An amplifier circuit which is claimed with the circuit connections to convert it to a self-oscillatory oscillator is classified in class 250, subclass 36. Regenerative amplifiers are in this subclass in class 179.

191, Electricity—Transmission to Vehicles (Division 34)

in subclass 2, under "Search Classes", in the reference to class 171, Electricity, Generation, cancel "303" and substitute *313*.

204, Chemistry, Electrical and Wave Energy (Division 56)

in subclass 16, under "Search Class", in the reference to class 29, Metal Working, change "84+, for assembling in general" to *148+, for processes of manufacture, assembly and disassembly, not elsewhere provided for*.

206, Special Receptacles and Packages (Division 40)

in the main class definition, under (1) Note, cancel the reference to class 133, Coin Handling, and substitute:
133—COIN HANDLING, particularly subclasses 4–6, for coin dispensing receptacles.

establish the following subclass definitions:

0.80. Receptacles and packages under the class definition for containing or holding coins.

(1) Note.—For example, in this subclass are mats or pads specially contructed to facilitate picking up of coins lying thereon.

Search this class, subclass—
37+—for pocket and personal use receptacles for articles other than coins.
72+—for trays for articles other than coins.

Search Class—
45—FURNITURE, subclasses 7+, for coin drawers.
133—COIN HANDLING, for coin receptacles having coin dispensing features.
211—SUPPORTS, RACKS, subclass 49, for racks for stacking poker chips and other disc form devices similar to coins.
229—PAPER RECEPTACLES, particularly subclasses 87.2 and 92.9, for coin receptacles, packages and wrappers of paper and for coin cards.
232—DEPOSIT AND COLLECTION RECEPTACLES, particularly subclasses 55+, for coin traps and 64+, for devices for dumping change into a customer's hand.
235—REGISTERS, subclasses 2 through 49, for cash and fare registers.

0.81. Coin receptacles and packages under subclass 0.80 combined with other features, e. g., with a receptacle or pocket for things other than coins, with indicia, with a mirror, etc.

0.82. Coin receptacles and packages under subclass 0.80 having either means for closing the same or means for fastening the coins in place.

0.83. Devices under subclass 0.82 having two or more compartments or pockets for coins.

Search this class, subclass—
0.81—for devices that have one or more pockets or compartments for coins and one or more for other things.
0.84—for multiple pocket or compartment devices without closing or fastening means.

0.84. Coin receptacles or packages under subclass 0.80 having two or more pockets or compartments for coins.

Search this class, subclass—
0.81—for devices that have one or more pockets or compartments for coins and one or more for other things.
0.83—for multiple pocket or compartment devices with closing or fastening means.

210, Liquid Separation or Purification (Division 49)

in subclass 154, add:

Search Class—
166—WELLS, subclasses 5+.

220, Metallic Receptacles (Division 40)

in subclass 89, cancel (2) Note and add:

Search Class—
122—LIQUID HEATERS AND VAPORIZERS, subclasses 504.1, 504.3, and 506.
137—WATER DISTRIBUTION, subclasses 137 and 139, for frangible trip valves, and 161+, for thermosensitive trip valves that can be reset.
156—LIQUID AND GASEOUS FUEL BURNERS, subclasses 117.1+.
169—FIRE-EXTINGUISHERS, subclasses 19, for automatic valves, 37+, for automatic sprinkler heads, and 42 for fusible connections capable of general application.

222, Dispensing (Division 35)

in subclass 92, under "Search Class", in the reference to class 29, Metal Working, cancel "blanks and".

229, Paper Receptacles (Division 40)

in subclass 87.2, at the end of the definition, before the period (.), add: *and paper packages of coins*;
cancel the note and substitute:

Search Class—
206—SPECIAL RECEPTACLES AND PACKAGES, subclasses 0.82+, for coin packages not made of paper.

222, Deposit and Collection Receptacles (Division 41)

establish the following subclass definitions:

64. Devices under the class definition specially designed to receive coins (as customer's change) and having one or more movable parts which, when moved, will cause delivery of the coins (usually into the customer's hand).

Search this class, subclass—
23—for such devices claimed in combination with a letter box.
55+—for coin traps which deliver to a second coin trap, or receiving box.

Search Class—
206—SPECIAL RECEPTACLES AND PACKAGES, subclasses 0.80+, for those for coins, including mats, trays and other receptacles specially designed to facilitate the picking up of coins lying thereon or contained therein.

65. Devices under subclass 64 in which the element that causes or controls delivery is mounted to tilt or swing.

(1) Note.—For example, in this subclass are trays mounted to be tilted by the customer so that the coins will slide into his hand.

66. Devices under subclass 65 in which a swingable or tiltable element is moved to either form or expose an opening through which the coin is discharged.

(1) Note.—For example, swingable control gates or closures, trays set within the periphery of a counter to be tilted to a position to discharge below the counter, etc., are here.

234, Recorders (Division 41)

in subclass 62, change the definition to read:

62. Recorders wherein a marker, by the application of heat to a record sheet, produces a permanent record upon the record receiver.

and add:

Search Class—
73—MEASURING AND TESTING, subclasses 339+, for temperature responsive devices for measuring and/or including recorders.

235, Registers (Divisions 23, 41)

establish the following subclass definitions:

64.3. Devices either in conjunction with a logarithmic calculator or apart from such calculator, which devices have a scale or scales to determine the location of a decimal point in a calculation.

64.7. Calculators having movable members variably positionable with respect to one another, at least one of said members having an index or scale positionable opposite a point on a scale on the other member and there being at least one scale having values peculiar to the art of photography.

248, Supports (Division 52)

in subclass 247, in (2) Note, cancel "blanks and";
in subclass 300, in (4) Note, cancel "blanks and"

250, Radiant Energy (Divisions 51, 54)

in subclass 36, under "(2) Search Classes", add in numerical order:

179—TELEPHONY, subclass 171, for the combination of an oscillator and an amplifier where the amplifier is connected so as to amplify the oscillations generated by the oscillator and where significant amplifier circuit is claimed. See the reference to class 250, RADIANT ENERGY, subclass 36 in the notes to the definition of class 179, subclass 171, for the line between subclass 36 of class 250 and subclass 171 of class 179.

252, Compositions (Divisions 3, 64)

in the main class definition, add:

(5c) Note.—Class 106, COMPOSITIONS, COATING OR PLASTIC, see note (2) A, 3, under the main class definition for the order of superiority among some of the composition classes.

285, Pipe Joints or Couplings (Division 52)

in the main class definition, in (2) Note, cancel "and the blanks therefor.".

311, Supports, Tables (Division 62)

in subclass 103, cancel "(6) Note.".

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JULY, 1944

ROYCE CHEMICAL COMPANY *v.* SOCONY-VACUUM OIL COMPANY, INCORPORATED, Opposition No. 22,347.

In a decision rendered July 4, 1944 (166 Ms. Dec. 536, 62 U. S. P. Q. 168), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Royce Chemical Company, of Carlton Hill, N. J., to the application of Socony-Vacuum Oil Company, Incorporated, of New York, N. Y., for registration of the word "Fabrisec" as a trade-mark for "waterproofing composition for textile fabrics." Applicant claims to have used this mark since September 19, 1941. Opposer relied upon its ownership of the trade-mark "Fabritex," registered August 2, 1932, for "hydrosulphite for textile purposes," and May 19, 1936, for "gums suitable for the printing of textile fabrics."

It was held in the absence of any evidence on the subject, that it is quite natural to assume that preparations employed in the bleaching, printing, and waterproofing of textile fabrics are not entirely unrelated in use, and that they are all of the same general class of merchandise; but the question not being free from doubt, that doubt must be resolved in opposer's favor.

It was held that the similarity of the marks is too obvious to require discussion. "Fabrisec" and "Fabritex" may suggest slightly different ideas, but they look alike, and in sound they are practically indistinguishable, so that their concurrent use on merchandise of the same descriptive properties would be quite likely to cause confusion.

JOHN HUDSON MOORE, INC. *v.* MAGITEX COMPANY, INCORPORATED, Opposition No. 22,393.

In a decision rendered July 5, 1944 (166 Ms. Dec. 537, 62 U. S. P. Q. 170), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of John Hudson Moore, Inc., of New York, N. Y., to the application of Magitex Company, Incorporated, of Saco, Maine, for registration of the word "Huntsman" as a trade-mark for "after shaving lotion." The opposition was based upon opposer's ownership of the trade-mark "Sportsman," registered for the same goods prior to applicant's claimed date of first use.

While the words "huntsman" and "sportsman" differ somewhat in appearance and in sound, and they do not always have the same meaning, it was held that in one sense the expressions are of identical significance, and the merchandise of the parties being identical, the opposition was properly sustained, especially since it is well established that there is greater likelihood of confusion between contesting trade-marks where the goods to which they are applied are relatively inexpensive, and are consumed in use; and after shaving lotions are goods of that character.

LAWRENCE A. LOCKWOOD *v.* BRODY MFG. CO., Cancelation No. 4172.

In a decision rendered July 8, 1944 (166 Ms. Dec. 538, 62 U. S. P. Q. 186), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of Lawrence A. Lockwood, of Chicago, Ill., to cancel trade-mark registration No. 380,575, issued August 27, 1940, under the provisions of the act of February 20, 1905, to Brody Mfg. Co., also of Chicago, Ill. The registered mark is the word "Babykin," and the goods for which it is registered are "stockinette sheets made with rubber insert, flannel sheets made with rubber insert, mattress covers made of rubberized waterproof flannel, and waterproofed diaper pads made of rubberized flannel." The petitioner uses the same mark on an insulated cardboard container for nursing bottles.

It was held that the ultimate question here to be determined is whether petitioner is injured by the registration sought to be canceled. It was held that petitioner has failed to prove injury, since when he first adopted the mark upon which he relies, respondent was already using the word of that mark, either alone or as a prominent feature of its composite mark; so that its registration to respondent violated no rights of petitioner.

Assuming that the goods of the parties possess the same descriptive properties, which seems extremely doubtful, a rather slavish imitation of certain details of petitioner's mark, occurring just shortly before respondent's application to register was filed, although indicating a deliberate attempt on the part of respondent to profit from petitioner's good will, was held to be a circumstance which alone affords no basis for the cancelation of the respondent's registration.

CONTINENTAL COFFEE COMPANY *v.* EUGENIO GONZALES & COMPANHIA (FILHO), Cancelation Nos. 4109 and 4111.

In a decision rendered July 11, 1944 (166 Ms. Dec. 540, 62 U. S. P. Q. 188), *First Assistant Commissioner Frazer* affirmed the actions of the Examiner of Interferences dismissing the petitions of Continental Coffee Company, of Chicago, Ill., to cancel trade-mark registrations No. 349,486 and No. 349,488, both issued August 31, 1937, under the provisions of the act of February 20, 1905, to Eu-

genio Gonzalez & Companhia (Filho), of Lisbon, Portugal. Since both cases were submitted on the same record and involve the same issues, they were disposed of in a single decision. Both registrations sought to be canceled are for olive oil. One of the registered marks is the word "Oliveira," and the other is dominated by that word.

In response to petitioner's argument that the marks are descriptive of respondent's goods, and that the registrations should be canceled for that reason, it was held that no such ground was pleaded in the petitions; and the proceedings must be determined solely upon the issues raised by the pleadings, since the rule in opposition and interference proceedings, that the right of registration may be determined ex parte, is based upon the express language of section 7 of the act, and has no application to cancelation proceedings.

As to one of the reasons of appeal in each case, that the Examiner of Interferences erred in refusing to strike respondent's answer because counsel for respondent filed no power of attorney, it was held that this same question was raised by petition shortly after the answers were filed, and was decided adversely to petitioner; and since the ruling then made was thought to be correct, it would not be disturbed.

As to the only statutory ground for the cancelation pleaded in either petition, that the mark of the registration sought to be canceled has been abandoned by respondent, it was held that petitioner failed to prove that respondent is no longer in business, but the testimony of respondent's witnesses establishes the fact to be otherwise.

It was held that the fact that no shipments of olive oil bearing either of respondent's trade-marks had been made to the United States since April, 1940, because of an order of the Portuguese Minister of Agriculture, is no sufficient proof that respondent has abandoned its trade-marks, either voluntarily or involuntarily, where it clearly appears that respondent intends to resume shipments to the United States as soon as it is permitted to do so by its home government, and there is nothing in the evidence submitted by petitioner to prove that such permission will be permanently withheld.

FERROCART CORPORATION OF AMERICA *v.* HANS VOGT (ALIEN PROPERTY CUSTODIAN, SUBSTITUTED), Cancelation No. 4060.

In a decision rendered July 11, 1944 (166 Ms. Dec. 544, 62 U. S. P. Q. 187), *First Assistant Commissioner Frazer*, on the petition of Ferrocart Corporation of America, of Hastings-on-Hudson, N. Y., to review and revise the order of the Examiner of Interferences of May 13, 1944, granting respondent's motion of May 12, 1944, for leave to amend the answer, and the order of June 10, 1944, denying petitioner's request for denial of respondent's motion to amend and denying petitioner's alternative request that paragraphs 3 and 4 of the amended answer be stricken, granted the petition only to the extent that the Examiner of Interferences is directed to grant petitioner's motion to strike paragraph 4 of the amended answer.

This proceeding is one brought by petitioner under the provisions of section 13 of the act of February 20, 1905, to cancel a registration to Hans Vogt, of Berlin, Germany (Alien Property Custodian of Washington, D. C., Substituted), of the word "Ferrocart" as a trade-mark for certain radio broadcasting equipment. The registration was issued September 4, 1934, on an application filed March 17, 1934.

It was held that justice required amendment in accordance with paragraph 3 of the amendment, because it might well be that the alleged agreement, if proved, would constitute a complete defense to the petition for cancelation.

It was held that paragraph 4 relates to subject matter that appears to be utterly immaterial to any issue in the case, since petitioner has not asserted that it was ever engaged in the manufacture or sale of any kind of goods, and even were the allegation of paragraph 4 taken as true it could have no bearing on the question to be determined.

NATIONAL NUGRAPE COMPANY *v.* JUDGE & DOLPH, LTD., Cancelation No. 4098.

In a decision rendered July 12, 1944 (166 Ms. Dec. 546, 62 U. S. P. Q. 189), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of National NuGrape Company, of Atlanta, Ga., to cancel the trade-mark registration No. 395,289, issued May 19, 1942, under the provisions of the act of February 20, 1905, to Judge & Dolph, Ltd., of Chicago, Ill. Respondent's mark is the notation "So-Grape," displayed in two lines with the "So-" portion above the word "Grape," which latter word is disclaimed. It is registered for "nonalcoholic maltless bottled beverages and nonalcoholic maltless beverage concentrate." The mark upon which petitioner relies was registered for substantially identical merchandise on February 13, 1923, which registration has been renewed. It is the compound word "NuGrape," underscored with a paraph bearing the disclaimed legend: "A flavor you can't forget."

It was held that aside from the word "Grape," which is admittedly descriptive of the goods of both parties, there is no similarity between the marks as a whole, in sound, appearance, or meaning; and as a descriptive word cannot dominate a trade-mark, purchasers would necessarily look to the words "So" and "Nu" as indicating origin of the respective products.

It was held that in the cancelation proceeding the burden is upon the petitioner to prove itself injured by the registration sought to be canceled, and upon the record here presented, petitioner has failed to discharge that burden.

QUAKER STRETCHER COMPANY *v.* CHICAGO CURTAIN STRETCHER COMPANY, Opposition No. 21,551.

In a decision rendered July 14, 1944 (166 Ms. Dec. 547, 62 U. S. P. Q. 190), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Quaker Stretcher Company, of Kenosha, Wis., to the application of Chicago Curtain Stretcher Company, of Chicago, Ill., for registration of an alleged trade-mark, and further adjudging applicant not entitled to the registration applied for, both on the ground that the mark is descriptive of the goods to which it is appropriated. The mark sought to be registered is the notation "Dome Pin," the word "Pin" being disclaimed "except as shown;" and the goods named in the application are "curtain stretchers." Applicant and opposer are competitors in the manufacture and sale of such devices.

It was held that opposer's exhibit as to applicant's advertising sufficiently demonstrates the fact that applicant has used the word "Dome" not to indicate origin of its merchandise, but to describe the blunted point of its new stretcher pin.

The parties being competitors and the notation sought to be registered being descriptive of the goods of both, it was held that manifestly its registration to applicant under the act of 1905 would thus damage opposer.

INTERSTATE BAKERIES CORPORATION *v.* HOLLYWOOD BRANDS, INC., Cancelation No. 4093.

In a decision rendered July 19, 1944 (166 Ms. Dec. 549, 62 U. S. P. Q. 253), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of Interstate Bakeries Corporation, of Chicago, Ill., to cancel two registrations owned by Hollywood Brands, Inc., of Centralia, Ill., of the notation "Butter-Nut," one for candies and the other for candy bars, both issued under the provisions of the act of March 19, 1920. Petitioner owns the same trade-mark for bread, registered for that product under the act of February 20, 1905, many years before respondent's first use of the mark for candy, and extensively advertised throughout the territory in which petitioner operates, which territory includes respondent's home State of Illinois.

Although it is true that bread and candy are both foods, it was held that they do not have the same descriptive properties; and petitioner's goods being of a different class than respondent's goods, it follows that petitioner has failed to prove itself injured by either of the registrations sought to be canceled.

E. BIERHAUS & SONS *v.* THE GREAT ATLANTIC & PACIFIC TEA CO., Cancelation No. 4169.

In a decision rendered July 21, 1944 (166 Ms. Dec. 552, 62 U. S. P. Q. 254), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of E. Bierhaus & Sons, of Vincennes, Ind., to cancel trade-mark registration No. 259,085, issued July 23, 1929, under the provisions of the act of February 20, 1905, to The Great Atlantic & Pacific Tea Co., of New York, N. Y. Respondent's mark and the mark relied on by the petitioner are both registered for coffee. The former is dominated by the words "Eight O'clock," and the latter by the words "Any Time." Their only feature in common is the representation of a clock dial.

Petitioner's mark was originally registered in 1929. In 1940 petitioner applied for a second registration, incorporating certain minor changes in the mark, and was opposed by respondent, who relied in part on the registration here sought to be canceled. The opposition was dismissed since, aside from the clock feature as to which petitioner had established prior use, the marks of the parties there involved were held to be otherwise dissimilar.

It was held that this petition might be properly dismissed for either one of the reasons that, having finally prevailed in the opposition proceeding, petitioner was not damaged in a legal sense by the institution of the opposition proceeding, or there is no allegation in the petition that respondent's mark as a whole is confusingly similar to petitioner's mark.

Regardless of whether petitioner was bound by its arguments in the opposition proceeding as to the dissimilarity of the marks, inconsistent with its position in the cancelation proceeding, it was held that such inconsistencies cannot be entirely disregarded in applying the rule that petitioner has the burden of proving by a preponderance of the evidence that it is injured by the registration of a mark that it has thus argued to be dissimilar to its own.

After noting that the marks have been in concurrent use for approximately fifteen years, and that no claim has yet been made by either party that any confusion has ever occurred, it was held that a comparison of the marks convinces that no confusion is likely to occur in the future; in any event, petitioner has failed to prove itself injured within the meaning of the statute, and in the absence of such proof, it is not entitled to the relief it seeks.

EX PARTE CHARLESTON MILLING COMPANY, Serial No. 442,650.

In a decision rendered July 24, 1944 (166 Ms. Dec. 555, 62 U. S. P. Q. 256), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Charleston Milling Company, of Charleston, W. Va., a mark comprising a representation of a double spray of heath or heather, tied in the center with a large bow of ribbon, in view of a prior registered mark comprising the notation "White Heath," par-

tially encircled by a wreath-like cluster of nondescript foliage. Both marks are appropriated to wheat flour.

It was held that applicant's design is the pictorial equivalent of the registered words, although probably it would not always be so recognized by purchasers were it not for the fact that in actual use it is associated with the words "White Heather," and while it may be conceded that these words form no part of applicant's trade-mark, nevertheless they do serve unmistakably to identify the design.

ELMO SALES CORPORATION *v.* ELIZABETH KENT, INC., Opposition No. 22,383.

In a decision rendered July 26, 1944 (166 Ms. Dec. 556, 62 U. S. P. Q. 257), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Elmo Sales Corporation, of Philadelphia, Pa., to the application of Elizabeth Kent, Inc., of New York, N. Y., for registration of the notation "Photo•Genic" as a trade-mark for face powder. Opposer relied upon its ownership of the trade-mark "Photo-Finish," registered for make-up powder. Applicant conceded that these goods and its own possess the same descriptive properties, and that opposer had established prior use of its trade-mark.

It was held that "Photo•Genic" so nearly resembles the mark "Photo-Finish" as to be likely to confuse the public or to deceive purchasers, since in each of these notations the word "Photo" is very prominent, if not actually dominant, so that it is more likely to be retained in the mind of the purchasers than either the word "Genic" or "Finish." The most that can be said in applicant's favor is that the likelihood of confusion is probably a matter of doubt, and it is well established that all doubts in that regard must be resolved against the newcomer in the field.

THE R. T. FRENCH COMPANY *v.* JOHN C. STALFORT & SONS, INC., Opposition No. 21,725.

In a decision rendered July 26, 1944 (166 Ms. Dec. 557, 62 U. S. P. Q. 257), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of The R. T. French Company, of Rochester, N. Y., to the application of John C. Stalfort & Sons, Inc., of Baltimore, Md., for registration of the notation "Silv-All" as a trade-mark for silver polish, and further adjudging applicant not entitled to the registration applied for. Opposer relied upon its alleged prior use and ownership of the mark "Silvo" for the same goods.

It was held that opposer proved such use beginning in December, 1935, and that the evidence submitted by applicant fails to establish any earlier use by applicant of the mark sought to be registered.

It was held that although "Silv-All" and "Silvo" differ somewhat in appearance, and to a lesser degree in suggestive significance, nevertheless, in sound they are very nearly alike, while the goods to which they are appropriated are inexpensive, are directly competitive, and are sold in the same stores to the same class of purchasers, so that their concurrent use may well lead to confusion.

As to two registrations issued prior to applicant's earliest date of claimed use, of the word "Silvo," ownership of which was pleaded, but not proven, by opposer, it was held that, until canceled, each registration is a bar to the registration of a confusingly similar mark more recently adopted for merchandise of the same descriptive properties.

As to applicant's argument that "Silvo" is descriptive of opposer's goods, it was noted that, if so, "Silv-All" is equally descriptive of applicant's goods, but it was held that it was unnecessary to pass upon the point, because the registrations to which reference has been made must be presumed to be valid.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 29, 1944

[VOL. 565. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 466,116. AMLING WHOLESALE FLORIST, INC., San Francisco, Calif. Filed Dec. 28, 1943.

Star Dust

FOR GARDENIAS, ORCHIDS, AND CORSAGE BOUQUETS.
Claims use since Sept. 1, 1943.

Ser. No. 470,466. REICHHOLD CHEMICALS, INC., Detroit, Mich. Filed May 20, 1944.

PLYAMINE

Applicant is the owner of Reg. No. 355,739.
FOR SYNTHETIC PLASTIC RESINS.
Claims use since May 13, 1944.

Ser. No. 470,625. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 25, 1944.

CORINOX

FOR SYNTHETIC RESIN COMPOSITIONS IN THE FORM OF UNFINISHED CASTINGS AND MOLDINGS, AND IN THE FORM OF SHEETS, RODS, AND TUBES; AND PARTICULATE SOLIDS SUITABLE FOR MOLDING.
Claims use since May 11, 1944.

Ser. No. 470,626. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 25, 1944.

CEREX

FOR SYNTHETIC RESIN COMPOSITIONS IN THE FORM OF UNFINISHED CASTINGS AND MOLDINGS, AND IN THE FORM OF SHEETS, RODS, AND TUBES; AND PARTICULATE SOLIDS SUITABLE FOR MOLDING.
Claims use since May 11, 1944.

Ser. No. 471,282. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed June 15, 1944.

ALLYMER

FOR POLYMERIZABLE SYNTHETIC RESIN-FORMING MATERIALS FOR USE IN CASTING, MOLDING, IMPREGNATING, LAMINATING, AND LIKE PURPOSES.
Claims use since Apr. 25, 1944.

CLASS 2

RECEPTACLES

Ser. No. 466,590. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Filed Jan. 14, 1944.

Shell-Mark

FOR MERCHANDISE BAGS MADE OF TRANSPARENT MATERIALS WHICH ARE COLOR PRINTED.
Claims use since Dec. 6, 1938.

Ser. No. 471,677. HARRY MORRIS ASSOCIATES, Chicago, Ill. Filed June 26, 1944.

Jewl-Tone

FOR COMPACTS MADE OF BASE METAL AND PLASTICS AND SOLD IN TRADE EMPTY.
Claims use since January 1943.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 469,352. BRADFORD-NORTON, Birmingham, Ala. Filed Apr. 15, 1944.

BEAN BAG

The word "Bag" is disclaimed apart from the mark.
FOR LADIES' HAND BAGS.
Claims use since Mar. 18, 1944.

Ser. No. 471,686. DANIEL RUBIN, doing business as Belt Modes, New York, N. Y. Filed June 26, 1944.

DUETTES FASHIONED BY BELT MODES

The words "Fashioned By Belt Modes" are disclaimed apart from the mark.

FOR LADIES' HANDBAGS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.

Claims use since Mar. 16, 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 465,262. IRVING MANDELL, doing business as Universal Utilities Products, Detroit, Mich. Filed Nov. 24, 1943.

UNIVERSAL

FOR CLEANER FOR STOVES, RANGES, POTS, PANS, METAL, PLATED METAL, UNPAINTED SURFACES, PORCELAIN, ENAMEL—NAMELY, A CLEANING PREPARATION HAVING THE PROPERTIES OF A DETERGENT, AND A RUST REMOVER AND RETARDER.

Claims use since October 1941.

Ser. No. 465,565. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Filed Dec. 6, 1943.

QUALICO LIQUID SOAP

The words "Liquid" and "Soap" are disclaimed except as shown. The drawing is lined for red.

FOR DETERGENT PREPARATION—NAMELY, A PURE COCOANUT AND CASTOR BASE LIQUID SOAP.

Claims use since Aug. 2, 1943.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 464,409. COLLOIDAL LABORATORIES, Little Falls, N. J., assignor to Mycoloid Laboratories, Inc., Little Falls, N. J., a corporation of New Jersey. Filed Oct. 26, 1943.

SOPRONOL

FOR THERAPEUTIC POWDER SOLUTION, LOTION, AND OINTMENT FOR DERMATO-MYCOSES, TINEA PEDIS, TINEA CRURIS, TINEA CAPITIS, TINEA GLABROSA, THRUSH, OTOMYCOSIS, RING WORM OR ATHLETE'S FOOT.

Claims use since July 6, 1942.

Ser. No. 465,428. HART PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 1, 1943.

HARTEX

FOR SOLUBLE OILS, SIZINGS, PENETRANTS, SOFTENERS, AND RESIN FINISHES FOR TREATING TEXTILES.

Claims use since Jan. 1, 1923.

Ser. No. 465,649. P. JOSEPH COLLINS, doing business as Atlas Color & Chemical Co., Boston, Mass. Filed Dec. 9, 1943.

REDUCTALAC

FOR REDUCING AGENTS FOR CHROME IN A DYE BATH.

Claims use since Nov. 23, 1939.

Ser. No. 466,586. PAGE & DIXON DRUG CO., INC., doing business as Cato Perfumers, Chicago, Ill., assignor to William Semco, Chicago, Ill. Filed Jan. 14, 1944.

Junior Guild

FOR COLD CREAM, LIPSTICK, COLOGNE, ROUGE, FACE POWDER, SKIN LOTION.

Claims use on cold cream and cologne since Dec. 14, 1943; and on lipstick, rouge, face powder, and skin lotion since Jan. 7, 1944.

Ser. No. 467,783. JOHN F. CARSE, doing business as J-D Chemical Co., Omaha, Nebr. Filed Feb. 26, 1944.

San-A-Pan

FOR CHEMICAL AND MINERAL PREPARATION USED AS A DEODORANT AND ABSORBER ABOUT POULTRY BROODERS.

Claims use since Jan. 5, 1944.

Ser. No. 468,426. THE ARLINGTON CHEMICAL COMPANY, Yonkers, N. Y. Filed Mar. 20, 1944.

ARL-CU-FER

FOR PHARMACEUTICAL PREPARATION OF IRON AND COPPER FOR USE IN TREATING ANAEMIA.

Claims use since Sept. 7, 1943.

Ser. No. 468,428. THE ARLINGTON CHEMICAL COMPANY, Yonkers, N. Y. Filed Mar. 20, 1944.

PRO-CU-FER

FOR PHARMACEUTICAL PREPARATION OF COPPER AND IRON COMBINED WITH PROTEIN FOR USE IN TREATING ANAEMIA.

Claims use since Sept. 7, 1943.

Ser. No. 469,097. P. C. SORENSON, doing business as United Mint Products Co., Milwaukee, Wis. Filed Apr. 6, 1944.

SUPPLE-MINTS

The word "Mints" is disclaimed apart from the mark.

FOR VITAMIN PREPARATION IN CONFECTIONERY FORM.

Claims use since July 26, 1943.

Ser. No. 469,441. PINAUD, INCORPORATED, New York, N. Y. Filed Apr. 18, 1944.

ENTHRALLING
Ensorceleuse

FOR EAU DE COLOGNE.

Claims use since Apr. 3, 1944.

Ser. No. 469,692. ROSE EXTERMINATOR CO., Chicago, Ill. Filed Apr. 26, 1944.

Rose STAGGERED BAIT

No claim is made to the word "Bait" apart from the mark.

FOR BAIT FOR EXTERMINATING RODENTS AND LIKE PESTS.

Claims use since Mar. 28, 1944.

Ser. No. 469,717. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill. Filed Apr. 27, 1944.

Dalmora

FOR PERFUME AND COLOGNE.

Claims use since May 1, 1928.

Ser. No. 469,808. DOME CHEMICALS INCORPORATED, New York, N. Y. Filed Apr. 29, 1944.

OMNIA

FOR WATER SOLUBLE GREASELESS BASES USED AS VEHICLE FOR PHARMACEUTICAL OINTMENTS.

Claims use since Apr. 14, 1944.

Ser. No. 469,940. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 4, 1944.



FOR OIL OF VITRIOL, SULPHURIC ACID, AMMONIUM PERSULFATE, BLEACHES, SODIUM SILICATES, SODIUM ALUMINATE, CARBON TETRACHLORIDE, OLEUM, MURIATIC ACID, SODIUM ARSENITE, CHEMICAL WEED KILLERS, ANHYDROUS AMMONIA, FERRIC CHLORIDE, LAUNDRY BLUES, LAUNDRY SOURS, SODIUM CHLORATE, SAL AMMONIAC, AMMONIA ALUM, AQUA AMMONIA, HYDROGEN PEROXIDE, CHEMICAL RUST REMOVERS, POTASSIUM CHLORIDE, MOTHPROOFING COMPOUNDS, AND FLY SPRAYS.

Claims use on oil of vitriol since 1927; on sulphuric acid since 1927; on ammonium persulfate since October 1933; on bleaches since February 1934; on sodium silicates since November 1936; on sodium aluminate since 1936; on carbon tetrachloride since July 1937; on oleum since 1938; on muriatic acid since 1938; on sodium arsenite since May 1939; on chemical weed killers since May 1939; on anhydrous ammonia since September 1939; on ferric chloride since June 1940; on laundry blues since July 16, 1940; on laundry sours since July 1940; on sodium chlorate since September 1940; on sal ammoniac since October 1940; on ammonia alum since November 1940; on aqua ammonia since November 1940; on hydrogen peroxide since December 1940; on chemical rust removers since September 1941; on potassium chlorate since September 1941; on mothproofing compounds since February 1942; and on fly sprays since October 1942.

Ser. No. 470,059. WORLD WIDE VITAMIN COMPANY, Newark, N. J. Filed May 8, 1944.

VITA-NINES

FOR VITAMIN PREPARATION IN CAPSULE FORM.

Claims use since Apr. 26, 1944.

Ser. No. 470,535. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Filed May 23, 1944.

BAX

FOR VITAMIN PREPARATION.

Claims use since June 1941.

Ser. No. 470,536. McKESSON & ROBBINS, INCORPORATED, New York, N. Y. Filed May 23, 1944.

CYTAMIN

FOR VITAMIN PREPARATION.
Claims use since September 1940.

Ser. No. 470,537. McKESSON & ROBBINS, INCORPORATED, New York, N. Y. Filed May 23, 1944.

DAROL

FOR PREPARATIONS FOR THE RELIEF OF COUGHS AND COLDS.
Claims use since September 1940.

Ser. No. 470,538. McKESSON & ROBBINS, INCORPORATED, New York, N. Y. Filed May 23, 1944.

SORETONE

FOR ANTISEPTIC AND ANALGESIC, AND SPECIFICALLY A PREPARATION FOR THE RELIEF OF DISCOMFORT DUE TO ATHLETE'S FOOT, SIMPLE MUSCULAR ACHES AND PAINS, MINOR SPRAINS AND BRUISES, MOSQUITO BITES AND STINGS OF SMALL INNOCUOUS INSECTS, AND AS A RUBDOWN AFTER EXERCISE.
Claims use since November 1934.

Ser. No. 470,547. RICHARD J. WEIDMAN, doing business as Alo-Cresco Products, Richmond Hill, N. Y. Filed May 23, 1944.

ALO-CRESCO

FOR PREPARATION FOR THE CONDITIONING OF THE HAIR.
Claims use since June 1943.

Ser. No. 470,550. SEYDEL CHEMICAL COMPANY, Jersey City, N. J. Filed May 23, 1944.

MOBENATE

FOR ANTISPASMODIC USED IN SEA SICKNESS, DYSMENORRHOEA, AND OTHER STOMACH SPASMS.
Claims use since August 1921.

Ser. No. 470,554. WILLIAM T. BRADLEY, Morehead, Ky. Filed May 24, 1944.

W. T. B.

FOR MEDICINE FOR THE TREATMENT OF PILES.
Claims use since Aug. 1, 1940.

Ser. No. 470,581. HELENE PESSL, INC., New York, N. Y. Filed May 24, 1944.

helene Pessl

The name Helene Pessl is written in the facsimile signature of Helene Pessl, president of applicant company.
FOR PERFUMES, COLOGNES, TOILET WATERS, LIPSTICKS, ROUGE, FACE POWDER, TALCUM POWDER, TOILET CREAMS, HAIR TONIC.
Claims use since 1925.

Ser. No. 470,588. VERNAN MANUFACTURING COMPANY, Johnstown, Pa. Filed May 24, 1944.

Vernan's

VEV

Applicant disclaims surname "Vernan's" separately from the mark.
FOR PREPARATION OR TONIC FOR THE HAIR.
Claims use since December 1943.

Ser. No. 470,769. ROBERT B. KAROFF CREATIONS, INC., New York, N. Y. Filed May 29, 1944.

OLD Acquaintance

FOR PERFUME AND COLOGNE.
Claims use since May 15, 1944.

Ser. No. 470,982. THE MARTIN-DENNIS COMPANY, Newark, N. J. Filed June 7, 1944.

VERSENE

FOR WATER SOFTENING AGENTS IN POWDERED AND LIQUID FORM WITH OR WITHOUT DETERGENTS.
Claims use since October 1937.

Ser. No. 470,983. THE MARTIN-DENNIS COMPANY, Newark, N. J. Filed June 7, 1944.

R. P. 26

FOR WATER SOFTENING AGENTS IN POWDERED AND LIQUID FORM (WITH OR WITHOUT DETERGENTS).
Claims use since July 1939.

Ser. No. 470,990. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Filed June 7, 1944.



FOR ZINC OXIDE, ZINC SULPHIDE BASE COMPOSITIONS INCLUDING LITHOPONE AND ZINC SULPHIDE, ZINC TETROXY CHROMATE AND ZINC BORATE, THE ZINC OXIDE BEING USED FOR PHARMACEUTICAL PURPOSES AND THE REST, INCLUDING ZINC OXIDE, HAVING A GENERAL UTILITY IN THE INDUSTRIAL ARTS.
Claims use on zinc oxide since 1855; on zinc sulphide base compositions including lithopone since 1917; on zinc sulphide since 1929; on zinc tetroxy chromate since June 1941; and on zinc borate since June 1943.

Ser. No. 471,222. LEDERLE LABORATORIES, INC., New York, N. Y. Filed June 14, 1944.

VI-MAGNA

FOR MULTI-VITAMIN PREPARATION.
Claims use since June 17, 1943.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 470,830. DOVER HALL CO., INC., New York, N. Y. Filed June 1, 1944.

EMPEROR DE LUXE

The words "De Luxe" are disclaimed separately from the mark as shown.
FOR TOBACCO POUCHES.
Claims use since May 27, 1944.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 470,717. FLOQUIL PRODUCTS, INC., New York, N. Y. Filed May 27, 1944.

SALVAGE KRAFT

FOR PIGMENTED PENETRATING INKS.
Claims use since Feb. 23, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 465,052. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Nov. 16, 1943.

UNOLOX

FOR PETROLEUM ASPHALTS FOR CONSTRUCTION PURPOSES.
Claims use since May 12, 1922.

Ser. No. 468,503. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed Mar. 22, 1944.

DARASEAL

FOR CONCRETE CURING COMPOUND.
Claims use since June 15, 1943.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 469,087. MIDWEST MANUFACTURING AND ENGINEERING CORP., Boston, Mass., and New York, N. Y. Filed Apr. 6, 1944.

M E M C

FOR WALL AND DOOR RACKS FOR TIES, BELTS, COLLAR AND CUFF BUTTONS AND STUDS AND FOR SUPPORTING MISCELLANEOUS ARTICLES.
Claims use since Mar. 20, 1944.

Ser. No. 469,978. WILLIAM M. WILSON'S SONS, Philadelphia, Pa. Filed May 5, 1944.

GASBOY

FOR SELF-CLOSING FAUCETS.
Claims use since Apr. 7, 1944.

CLASS 15

OILS AND GREASES

Ser. No. 466,112. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Dec. 27, 1943.

ARISTOWAX

FOR PETROLEUM WAX.
Claims use since Nov. 6, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 440,521. THE PERVO COMPANY, Los Angeles, Calif. Filed Feb. 10, 1941.



Applicant disclaims the words "It Wears" apart from the mark. The drawing is lined for blue.

FOR PAINT PRODUCTS — NAMELY, ALUMINUM POWDER FOR MAKING PAINT, ALUMINUM PASTE FOR MAKING PAINT, BLACK PAINT, BRONZING LIQUID, CHRISTMAS TREE PAINT, DRY PAINT COLORS, GROUND COLOR, JAPAN DRIERS, PAINT ENAMELS, FLAT PAINT, CRACK FILLER, PASTE WOOD FILLER, FLATTING OIL, GLOSS OIL, GRAPHITE PAINT, KALSOMINE, LIQUID FOR BLENDING PAINTS, CLEAR LACQUER, LINOLEUM LACQUER, TRAFFIC LINE WHITE PAINT, LACQUER THINNER, LINSEED OIL, PIGMENT WALL SEALER, SURFACE SEALING MATERIAL FOR UNDERLYING PAINT MATERIAL, PIGMENT WALL SEALER REDUCER, PREPARED PAINT, LEAD AND ZINC PASTES FOR MAKING PAINT, WHITE AND RED LEAD, RUST INHIBITIVE BROWN METAL PRIMER, ROOF AND BARN PAINT, PAINT AND VARNISH REMOVER, STAINS, PREPARED SHELLAC, PAINT OILS, STAIN KILLING POWDER FOR USE IN MIXING PAINT MATERIAL, TURPENTINE, EXTERIOR UNDERCOATER AND PRIMER, VARNISHES, PROTECTIVE WAX FOR COVERING STRUCTURAL SURFACES, AND WHITING.
Claims use since June 1939.

Ser. No. 470,989. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Filed June 7, 1944.



FOR ZINC OXIDE, ZINC SULPHIDE BASE PIGMENTS INCLUDING LITHOPONE AND ZINC SULPHIDE, ZINC TETROXY CHROMATE, AND ZINC BORATE FOR USE AS PAINT PIGMENTS.
Claims use since 1856 on zinc oxide, since 1917 on zinc sulphide base pigments including lithopone, since 1929 on zinc sulphide, since June 1941 on zinc tetroxy chromate, and since June 1943 on zinc borate.

Ser. No. 471,093. MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y. Filed June 9, 1944.

Flooroleum

FOR VARNISH.
Claims use since 1900.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 467,997. WILLIAM JULIUS CHAMPION, Mystic, Conn. Filed Mar. 6, 1944.



The representations of all pieces used in playing the game are disclaimed apart from the mark.

FOR BOARD GAME WHICH IS PLAYED BY TRANSFERRING COUNTERS FROM PEN TO PEN ACCORDING TO RULES LAID DOWN IN A BOOK OF INSTRUCTIONS SUPPLIED WITH THE GAME.
Claims use since Sept. 6, 1943.

Ser. No. 470,465. ORIGINALITIES, New York, N. Y. Filed May 20, 1944.

Hoopla

FOR TOY CONSISTING OF A ROTARY MEMBER HAVING A STRING AFFIXED TO THE OPPOSITE ENDS THEREOF AND ADAPTED TO BE ROLLED UP AND DOWN THE STRING.
Claims use since Apr. 14, 1944.

Ser. No. 471,451. THE LEDERER INDUSTRIES, INC., New York, N. Y. Filed June 20, 1944.

"HYPNOTOP"

FOR TOY SPINNING TOPS.
Claims use since September 1937.

Ser. No. 471,525. JONES-YOUNG MANUFACTURING CO., New York, N. Y. Filed June 22, 1944.

"Precious"

FOR CANVAS BABY SWINGS, TOY IRONING BOARDS, AND TOY BLOCK SETS.
Claims use since May 1, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 465,383. COLLIERY ENGINEERING LIMITED, Sheffield, England. Filed Nov. 30, 1943.

BARVOYS

FOR MACHINES FOR CLEANING COAL AND THE LIKE MINERAL SUBSTANCES BY GRAVITY CONCENTRATION USING A HEAVY SEPARATING FLUID, AND PARTS OF SUCH MACHINES.
Claims use since May 22, 1935.

Ser. No. 470,843. AMERICAN FOUNDRY EQUIPMENT COMPANY, Mishawaka, Ind. Filed June 2, 1944.

WHEELAPEEN

FOR MACHINES FOR THE SURFACE HARDENING OF METAL PARTS BY IMPINGEMENT, AND IMPINGEMENT HARDENED MACHINE PARTS.
Claims use since Apr. 22, 1944.

Ser. No. 471,130. OHLEN-BISHOP MANUFACTURING COMPANY, Columbus, Ohio. Filed June 10, 1944.

ROCKET

FOR SAWS.
Claims use since Dec. 25, 1934.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 471,682. PRECISION SCIENTIFIC CO., Chicago, Ill. Filed June 26, 1944.

CHEM-OP-TRONICS

FOR TITROMETERS, COLORIMETERS, DENSITOMETERS, AND PHOTOMETERS.
Claims use since June 8, 1944.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 461,370. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed June 14, 1943. Under section 5b of the act of 1905, as amended 1920.

GRUEN
TIMER

No claim is made to the word "Timer" apart from the mark. Applicant is owner of Reg. No. 55,327 (renewed) effected under the 10-year proviso for "Gruen."
FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since June 4, 1943.

Ser. No. 471,350. EMIL LEICHTER, New York, N. Y. Filed June 17, 1944.

TYPHON

FOR WATCHES.
Claims use since May 12, 1944.

Ser. No. 471,378. ALFRED WYLER, New York, N. Y. Filed June 17, 1944.



FOR WATCHES, CASED AND UNCASED.
Claims use since April 1944.

Ser. No. 471,379. ALFRED WYLER, New York, N. Y. Filed June 17, 1944.



FOR WATCHES, CASED AND UNCASED.
Claims use since January 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 470,122. SELMAN & BIRCH, New York, N. Y. Filed May 10, 1944.



FOR FINGER RINGS, ARTICLES OF JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES AND FLATWARE COMPOSED OF GOLD, SILVER, STERLING SILVER AND OTHER PRECIOUS METALS.
Claims use since Feb. 10, 1944.

Ser. No. 471,104. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 9, 1944.

TRADITION

FOR DIAMONDS.
Claims use since June 1941.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 461,547. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill. Filed June 21, 1943.

HOUSEHOLD INSTITUTE

The word "Household" is disclaimed apart from the mark. Applicant is the owner of registered Trade-Mark 381,424 issued September 24, 1940.
FOR CERAMIC TABLE, REFRIGERATOR AND OVEN WARE.
Claims use since on or about Feb. 3, 1943.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 470,700. CAMDEN FURNITURE COMPANY, Camden, Ark. Filed May 27, 1944.

PLASTI-PLANE

FOR HOUSEHOLD FURNITURE MADE PARTIALLY OR WHOLLY OF PLASTICS—NAMELY, BEDS, DRESSERS, TABLES, DRESSING AND VANITY TABLES, VANITIES, CHESTS OF DRAWERS, BENCHES, CHIFFOROBES, NIGHT STANDS, BUFFETS, CHAIR, CORNER, BRACKET AND WALL SHELVES OF THE SUSPENSION TYPE, WALL BRACKETS, DESKS, CABINETS AND CLOTHES CABINETS, END TABLES, DINING TABLES AND CABINETS, CHINA CABINETS AND SERVING TABLES.
Claims use since Apr. 20, 1944.

Ser. No. 470,701. CAMDEN FURNITURE COMPANY, Camden, Ark. Filed May 27, 1944.

PLASTIWOOD

FOR HOUSEHOLD FURNITURE MADE PARTIALLY OR WHOLLY OF PLASTICS—NAMELY, BEDS, DRESSERS, TABLES, DRESSING AND VANITY TABLES, VANITIES, CHESTS OF DRAWERS, BENCHES, CHIFFOROBES, NIGHT STANDS, BUFFETS, CHAIR, CORNER, BRACKET AND WALL SHELVES OF THE SUSPENSION TYPE, WALL BRACKETS, DESKS, CABINETS AND CLOTHES CABINETS, END TABLES, DINING TABLES AND CABINETS, CHINA CABINETS AND SERVING TABLES.
Claims use since Apr. 20, 1944.

Ser. No. 470,953. ADVERTISING NOVELTY MANUFACTURING CO., INC., Philadelphia, Pa. Filed June 7, 1944.

FRESHMASTER

FOR DISPLAY CABINETS.
Claims use since Aug. 1, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 470,249. VICTOR BALATA & TEXTILE BELTING CO., New York, N. Y. Filed May 12, 1944.



Trade-mark consists of one narrow orange stripe with two narrow green stripes closely apposed on each side thereof, longitudinally disposed on one side of the belt and incorporated in the fabric.
FOR SOLID WOVEN BELTING FOR POWER TRANSMISSION, ELEVATING, AND CONVEYING PURPOSES.
Claims use since Apr. 30, 1937.

Ser. No. 470,508. NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md. Filed May 22, 1944.



FOR PLASTIC TUBING USED FOR HOSE.
Claims use since March 1942.

CLASS 37

PAPER AND STATIONERY

Ser. No. 449,433. PROFESSIONAL MANAGEMENT, Battle Creek, Mich. Filed Dec. 12, 1941.

PM

FOR PRINTED AND RULED BLANK FORMS.
Claims use since Dec. 3, 1941.

Ser. No. 469,952. BLAISDELL PENCIL COMPANY, Philadelphia, Pa. Filed May 5, 1944.

"PLASTIX"

FOR LEAD PENCILS IN WHICH THE CASE ENCLOSING THE LEAD IS OF PAPER OR THE LIKE, WHICH MAY BE TORN OFF IN STRIPS.
Claims use since Feb. 17, 1944.

Ser. No. 470,942. FOX RIVER PAPER CORPORATION, Appleton, Wis. Filed June 6, 1944.

INTEREST

FOR WRITING PAPER.
Claims use since Oct. 15, 1923.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 466,422. THE ASSOCIATED PRESS, New York, N. Y. Filed Jan. 10, 1944.

The Associated Press

No claim is made to the word "Press" apart from the mark.
FOR NEWS STORIES AND NEWS PHOTOGRAPHS.
Claims use since 1848.

Ser. No. 470,736. REWL PUBLICATIONS, INC., New York, N. Y. Filed May 27, 1944.



The drawing is lined for red. "Comics" is disclaimed.
FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since May 12, 1944.

Ser. No. 471,207. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed June 14, 1944.

the Celanese Hour

FOR PUBLICATION ISSUED PERIODICALLY AND CONTAINING INFORMATION AS TO WHERE CERTAIN WEARING APPAREL AND OTHER ARTICLES MAY BE PURCHASED.
Claims use since about June 8, 1944.

CLASS 39

CLOTHING

Ser. No. 465,272. SPIEGEL BROS., New York, N. Y. Filed Nov. 24, 1943.

Scotchee

FOR MEN'S AND BOYS' NECKTIES, MUFFLERS, AND SPORT SHIRTS.
Claims use since March 1924.

Ser. No. 471,110. MORRIS WEINSTEIN, New York, N. Y. Filed June 9, 1944.

GIRLYTOWNE

FOR CHILDREN'S AND JUNIORS', MISSES' AND INFANTS' COATS AND SUITS.
Claims use since May 1, 1944.

Ser. No. 471,238. SUNNYTOWN TOGS, INC., Casselberry and Fern Park, Fla. Filed June 14, 1944.



No claim is made to the words "Togs" and "Made in Florida" apart from the mark.
FOR BOYS' OVERALLS, JUMPERS, SUITS, COATS, AND SHIRTS.
Claims use since January 1944.

Ser. No. 471,258. GRAYLEIGH SPORTSWEAR CO., Chicago, Ill. Filed June 15, 1944.

Windion

FOR MEN'S AND BOYS' JACKETS.
Claims use since Feb. 14, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 460,795. FISBA FABRICS, INC., New York, N. Y., assignor to Christian Fischbacher Co., St. Gall, Switzerland. Filed May 21, 1943.



FOR COTTON PIECE GOODS.
Claims use since Feb. 2, 1942.

Ser. No. 469,044. G. H. & E. FREYDBERG, INC., New York, N. Y. Filed Apr. 5, 1944.

Shelfame

FOR SHELVING AND SHELF EDGING OF COTTON OR OTHER TEXTILE MATERIALS FOR USE IN CUPBOARDS AND CLOSETS.
Claims use since Feb. 11, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 461,617. THE RIESER COMPANY, INC., New York, N. Y. Filed June 23, 1943.

MAGIC BLOCK

Applicant disclaims the word "Block" except as shown.
FOR ABRASIVE BLOCKS FOR REMOVING HAIR FROM THE HUMAN BODY.
Claims use since Mar. 2, 1943.

Ser. No. 467,619. ERNEST J. SCHABELITZ, doing business as Schabelitz Research Laboratories, San Diego, Calif. Filed Feb. 21, 1944.

G.U.

FOR CONTAINER CONTAINING A PROPHYLACTIC RUBBER ARTICLE FOR THE PREVENTION OF CONTAGIOUS DISEASES, A TUBE OF JELLY CONTAINING 33⅓% CALOMEL, 25% SULFATHIAZOLE, A SOAP RAG AND INSTRUCTIONS, SOLD AS A UNIT.
Claims use since Oct. 7, 1943.

Ser. No. 468,565. GOODMAN-KLEINER CO. INC., New York, N. Y. Filed Mar. 23, 1944.



No claim is made to "Goodman-Kleiner Co., New York, N. Y." apart from the mark.
FOR CLINICAL THERMOMETERS, HYPODERMIC NEEDLES, HYPODERMIC SYRINGES, SPUTUM CUP REFILLS, SPUTUM CUP HOLDERS, BLOOD COUNTING PIPETTES, BLOOD COUNTING CHAMBERS; HOSPITAL RUBBER GOODS—NAMELY, SURGEONS' GLOVES, HOT WATER BOTTLES, ICE CAPS, SHEETING, CATHETERS, RECTAL TUBES, COLON TUBES, STOMACH TUBES, RUBBER TUBING, OPERATING PADS, INVALID RINGS; HOSPITAL GLASSWARE—NAMELY, GLASS URINALS, RECTAL TIPS, VAGINAL TIPS, DRINKING TUBES, GRUEL TUBES, MURPHY DRIPS, DRESSING JARS, SPECIMEN BOTTLES; HOSPITAL ENAMELWARE—NAMELY, BED PANS, DOUCHE PANS, URINALS, IRRIGATORS, PUS BASINS; SUTURES—NAMELY, SILKWORM GUT, CATGUT; WOOD APPLICATORS, WOOD TONGUE BLADES, WOOD MANICURE STICKS; LABORATORY GLASSWARE—NAMELY, PIPETTES, BOTTLES, GRADUATED CYLINDERS; LABORATORY METALWARE—NAMELY, PINCHCOCKS, SHUT-OFFS, CLAMPS; LABORATORY RUBBER GOODS—NAMELY, TUBING, STOPPERS; SURGICAL GLASSWARE — NAMELY, PLUNGERLESS SYRINGES, ASBESTOS PACKED SYRINGES; DIAGNOSTIC AND THERAPEUTIC INSTRUMENTS—NAMELY, SEDIMENTATION OUTFITS, PNEUMOTHORAX OUTFITS.
Claims use since 1930 for composite mark, and since Feb. 1, 1922, for "Paramount" and the concentric circles.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 471,184. CITRUS PRODUCTS COMPANY, Chicago, Ill. Filed June 13, 1944.



FOR NON-ALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATES FROM WHICH SUCH SOFT DRINKS ARE MADE.
Claims use since May 8, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 460,614. FRUEN MILLING COMPANY, Minneapolis, Minn. Filed May 14, 1943.



The mark consists of the representation of a sickle beneath a rope tie placed about a sheaf of wheat with the sickle handle outwardly extended as shown. The representation of the sheaf of wheat is disclaimed apart from the mark.
FOR WHOLE WHEAT FLOUR, RYE FLOUR, RYE MEAL, WHEAT GRAHAM FLOUR, GRANULATED YELLOW CORN MEAL, FARINA, ROLLED OATS, CRACKED WHEAT, ROLLED WHEAT, WHEAT CEREAL, WHEAT GRANULES, PEARL BARLEY, SCRATCH FEED, POULTRY MASH, PIG AND HOG FEED CONCENTRATE, DAIRY FEED, CHICK STARTING SCRATCH, CHICK GROWING SCRATCH, DAIRY RATION FEED.
Claims use since Sept. 1, 1894.

Ser. No. 462,053. ISLAND MINING AND TRADING CORPORATION, Habana, Cuba. Filed July 13, 1943.

COFIX

FOR STICK CANDIES; HARD CANDIES; CARAMELS; SUGARLESS COFFEE COMPRESSES AND TABLETS; COFFEE COMPRESSES AND TABLETS WITH SUGAR; CEREALS AND VITAMINS; DEHYDRATED COFFEE COMPRESSES AND TABLETS; CONCENTRATED COFFEE COMPRESSES AND TABLETS; DEHYDRATED SUGARLESS COFFEE COMPRESSES AND TABLETS; CONCENTRATED SUGARED COFFEE COMPRESSES AND TABLETS; CONCENTRATED SUGARED COFFEE COMPRESSES AND TABLETS WITH CEREALS AND VITAMINS; POWDERED AND LIQUID EXTRACT OF COCOA; SWEETENED CHOCOLATE; RICE; FRESH, CANNED, AND DRIED CORN, BEANS, PEAS, AND CHICKPEAS; PACKAGED WHEAT AND BARLEY; CANDIED AND SALTED PEANUTS AND IN NATURAL STATE; ROASTED CORN MEAL; CORNSTARCH; WHEAT FLOUR AND RICE FLOUR; FARINA; PRESERVED FRUITS—NAMELY, PINEAPPLE, MANGO, PAPAYA, GUAVA, PEARS, PEACHES, APPLES, PLUMS, ICACO, CHERRIES, STRAWBERRIES, TOMATOES, AND PEPPERS; FRUIT JUICES FOR FOOD PURPOSES; CORN PASTE, WHEAT PASTE, RICE PASTE, AND ALMOND PASTE; VERMICELLI; TEA; SUGAR; HONEY; JELLY; CANNED AND BOTTLED QUINCE; MALT; POWDERED MILK; NATURAL MILK; STERILIZED MILK; HUMANIZED MILK; WHEYLESS MILK; EVAPORATED MILK; CURDLED MILK, AND MILK WHEY.
Claims use since June 12, 1943.

Ser. No. 463,024. JONAT CANDY CORP., Brooklyn, N. Y. Filed Aug. 26, 1943.



FOR CANDY.
Claims use since June 1, 1942.

Ser. No. 466,174. W. T. PHILLIPS, JR., doing business as W. T. Phillips & Son, Hampton, Va. Filed Dec. 29, 1943.



Applicant disclaims the words "Phillips," "Preferred," and "Colonial Style" apart from the mark. The drawing is lined for shading.
FOR POTATO CHIPS, FRENCH FRIED POPPED CORN, PEANUTS.
Claims use since Oct. 1, 1941.

Ser. No. 466,317. ACME-EVANS COMPANY, INC., doing business as Lawrenceburg Roller Mills Company, Indianapolis and Lawrenceburg, Ind. Filed Jan. 5, 1944.

HI-BOY

Applicant is the owner of Reg. No. 172,601.
FOR SELF-RISING FLOUR, WHEAT FLOUR.
Claims use since Jan. 31, 1922.

Ser. No. 467,208. REYES & BETITA CO., Arroya Grande, Calif. Filed Feb. 5, 1944.



FOR FRESH VEGETABLE
Claims use since Jan. 1, 194

Ser. No. 468,036. LAFOND CHOCOLATIER, New York, N. Y. Filed Mar. 7, 1944.



No claim is made to the word "Chocolates" apart from the mark.
FOR CANDY.
Claims use since Dec. 12, 1940.

Ser. No. 470,404. BOWEY'S INC., Chicago, Ill. Filed May 19, 1944.

PERMA-STAN

FOR STABILIZERS ADAPTED TO BE USED IN ICE CREAM CONSISTING PRINCIPALLY OF CORN SUGAR, CARRAGEEN EXTRACT, SODIUM BICARBONATE, AND SODIUM PHOSPHATE.
Claims use since Jan. 18, 1944.

Ser. No. 471,153. FARLEY FRUIT COMPANY, Salinas, Calif. Filed June 12, 1944.



FOR FRESH VEGETABLES — NAMELY, FRESH LETTUCE.
Claims use since July 1, 1935.

Ser. No. 471,633. RUSHBROOK FARM PRODUCTS CO., New York, N. Y. Filed June 24, 1944.

"PUB"

FOR CHEESE.
Claims use since May 25, 1944.

CLASS 47

WINES

Ser. No. 466,097. MOKELUMNE WINERY, Woodb. ge and Lodi, Calif. Filed Dec. 27, 1943.

AMERICAN HOME
BRAND

MOKELUMNE WINERY

No claim is made to the wording other than "Home" apart from the mark.
FOR WINES.
Claims use since Oct. 22, 1943.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 470,568. EAST IDAHO BREWING, INC., Pocatello, Idaho. Filed May 24, 1944.

Aero Club

No claim is made to the word "Club" apart from the mark.
FOR BEER.
Claims use since March 1943.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 467,272. FACIL FABRICS COMPANY, New York, N. Y. Filed Feb. 8, 1944.

FACIL-FAB

FOR ARTICLES MADE OF LAMINATED RAYON RIBBON, LAMINATED RAYON PIECE GOODS, OR LAMINATED RAYON CONSTRUCTION BOARD, SPECIFICALLY, ARTIFICIAL FLOWERS, LEAVES, AND VINES, DECORATIVE PANELS FOR BACKGROUNDS FOR DISPLAYS IN STORE WINDOWS AND INTERIORS, AND DECORATIVE NOVELTIES AND FIXTURES—NAMELY, CUT-OUT REPRESENTATIONS OF SANTA CLAUS, CHRISTMAS TREES, CANDLES, STARS, BELLS, RIBBON BOWS, CANDY CANES, SNOWMEN, DOGS, UNCLE SAM HATS, FLAGS, DRUMS, SHIELDS AND EAGLES, FOR GENERAL USE AS HOLIDAY AND PATRIOTIC DECORATIONS, AND FOR USE IN STORE WINDOWS AND INTERIORS AS SIGNS, POSTERS, AND DECORATIONS.
Claims use since Mar. 1, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 29, 1944

408,685. POTATOES, FRESH FRUITS—NAMELY, APRICOTS AND FRESH VEGETABLES. Two Boys Fruit & Produce, Yakima, Wash.
Filed June 12, 1939. Serial No. 420,435. PUBLISHED JUNE 20, 1944. Class 46.

408,686. CHEMICAL COMPOSITION FOR SPRAY PURPOSES AND FOR SPRAYING FURS, GARMENTS, AND FABRICS TO PREVENT MOTH ACTION. Destruxol Corporation, Ltd., Pasadena, Calif.
Filed May 21, 1941. Serial No. 443,755. PUBLISHED NOVEMBER 4, 1941. Class 6.

408,687. LADIES' GARMENTS MADE OF FUR—NAMELY, COATS, JACKETS, CAPES, AND SCARFS, AND LADIES' GARMENTS OF CLOTH TRIMMED WITH FUR—NAMELY, COATS, JACKETS, CAPES, AND SUITS. Fromm Bros., Inc., Hamburg, Wis.
Filed June 26, 1941. Serial No. 444,868. PUBLISHED NOVEMBER 16, 1943. Class 39.

408,688. CRIB SHEETS, PILLOWCASES, CRIB MATTRESS COVERS, BATH BLANKETS, QUILTS, QUILTED BABY PADS IN THE NATURE OF MATTRESS PADS, AND SLUMBER COVERS. Sears, Roebuck and Co., Chicago, Ill.
Filed November 14, 1941. Serial No. 448,661. PUBLISHED SEPTEMBER 28, 1943. Class 42.

408,689. LEATHER GARMENT BELTS FOR ORDINARY WEAR. John R. Craighead, Denver, Colo.
Filed January 10, 1942. Serial No. 450,133. PUBLISHED APRIL 25, 1944. Class 39.

408,690. TIMEPIECES—NAMELY, CHRONOGRAPHS, AND COMBINATIONS OF CLOCKS, CHRONOGRAPHS, AND CHRONOMETERS ADAPTED MORE ESPECIALLY FOR USE IN AVIATION. Jaeger Watch Company, Inc., New York, N. Y.
Filed June 24, 1942. Serial No. 453,841. PUBLISHED JUNE 20, 1944. Class 26.

408,691. SHOES MADE OF LEATHER, RUBBER, FABRIC AND/OR A COMBINATION OF THESE MATERIALS. The United States Shoe Corporation, Cincinnati, Ohio.
Filed July 21, 1942. Serial No. 454,386. PUBLISHED MAY 2, 1944. Class 39.

408,692. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. Celanese Corporation of America, New York, N. Y.
Filed August 29, 1942. Serial No. 455,172. PUBLISHED APRIL 25, 1944. Class 42.

408,693. CHEMICAL PREPARATION IN LIQUID FORM USED IN THE FINISHING OF TEXTILE FIBRES, TWISTED AND UNTWISTED YARNS, CONING OILS, PIECE GOODS, AND AS AN ASSISTANT TO SIZES AND FINISHES IMPARTING PLIABILITY, GOOD RUNNING PROPERTIES, AND DRAPERY EFFECT. Standard Chemical Products, Inc., Hoboken, N. J.
Filed September 11, 1942. Serial No. 455,487. PUBLISHED DECEMBER 29, 1942. Class 6.

408,694. SWEATERS FOR MEN, WOMEN, BOYS, AND GIRLS, MUFFLERS AND WRISTLETS. Lord Jeff Knitting Company, Incorporated, New York, N. Y.
Filed November 28, 1942. Serial No. 457,096. PUBLISHED JUNE 8, 1943. Class 39.

408,695. COLLARS AND OUTER SHIRTS. Cluett, Peabody & Co., Inc., Troy, N. Y.
Filed December 16, 1942. Serial No. 457,432. PUBLISHED APRIL 25, 1944. Class 39.

408,696. CLAY FOR USE IN THE MANUFACTURE OF PAPER, RUBBER, AND CERAMICS. Georgia Kaolin Company, Elizabeth, N. J.
Filed December 16, 1942. Serial No. 457,436. PUBLISHED JUNE 20, 1944. Class 1.

408,697. FRESH VEGETABLES AND MELONS. W. M. Heyman, Phoenix, Ariz.
Filed January 18, 1943. Serial No. 457,974. PUBLISHED JUNE 20, 1944. Class 46.

408,698. WOMEN'S HATS. Milton Unger, Boston, Mass.
Filed January 19, 1943. Serial No. 458,024. PUBLISHED MAY 2, 1944. Class 39.

408,699. SYNTHETIC PLASTIC RESINS. Reichhold Chemicals, Inc., Detroit, Mich.
Filed February 4, 1943. Serial No. 458,339. PUBLISHED JUNE 20, 1944. Class 1.

408,700. GLASS LAMP PANELS AND SCREENS (FLAT OR CURVED), GLOBES, LENSES AND REFLECTORS, SMOOTH, RIBBED, OR PRISMATIC. Holophane Company, Inc., New York, N. Y.
Filed February 12, 1943. Serial No. 458,493. PUBLISHED JUNE 13, 1944. Class 34.

408,701. POWDERED FRUIT BASE FOR USE IN MAKING JELLIES, JAMS, PRESERVES, AND FOR FLAVORING SALAD DRESSING, CAKES, AND OTHER FOODS. Mutual Citrus Products Co. Inc., Anaheim, Calif.
Filed February 19, 1943. Serial No. 458,634. PUBLISHED JUNE 20, 1944. Class 46.

408,702. SHOES OF LEATHER, RUBBER, FABRIC, FIBRE, AND COMBINATIONS THEREOF. Sandler Bros. Specialties Co., Boston, Mass.
Filed March 11, 1943. Serial No. 459,030. PUBLISHED MAY 23, 1944. Class 39.

408,703. LADIES' FABRIC GLOVES. Wimelbacher & Rice, New York, N. Y., assignor to Newton J. Rice, doing business as Wimelbacher & Rice.
Filed April 2, 1943. Serial No. 459,588. PUBLISHED MAY 23, 1944. Class 39.

408,704. WHISKEY. Dillinger Distilleries, Inc., Ruffsdale and Philadelphia, Pa.
Filed April 15, 1943. Serial No. 459,902. PUBLISHED JUNE 13, 1944. Class 49.

408,705. WOMEN'S AND CHILDREN'S PANTIES, VESTS, BLOOMERS, SLIPS, NIGHTGOWNS, PAJAMAS, HOUSECOATS, AND BRASSIÈRES. Russell-Newman Manufacturing Company, Denton, Tex.
Filed April 15, 1943. Serial No. 459,911. PUBLISHED JULY 6, 1943. Class 39.

408,706. LADIES' AND MISSES' DRESSES. Mary Muffet, Inc., St. Louis, Mo.
Filed April 16, 1943. Serial No. 459,940. PUBLISHED MAY 2, 1944. Class 39.

408,707. WOMEN'S SUITS, TOPCOATS, SLACKS, AND SLACK SUITS. Mullen & Bluett, Inc., Los Angeles, Calif.
Filed May 3, 1943. Serial No. 460,378. PUBLISHED DECEMBER 21, 1943. Class 39.

408,708. LIPSTICKS AND DRY OR CAKE ROUGE. House of Westmore, Inc., New York, N. Y.
Filed May 4, 1943. Serial No. 460,402. PUBLISHED JULY 20, 1943. Class 6.

408,709. WOMEN'S AND MISSES' BLOUSES; NECKWEAR—I. E., SCARFS; HANDKERCHIEFS; SWEATERS; DRESSES; COATS; SUITS; OUTER SKIRTS; HATS; SCARFS; BELTS FOR OUTER WEAR; SHOES MADE OF LEATHER, FABRIC AND COMBINATIONS THEREOF, ETC. Bonwit Teller, Inc., New York, N. Y.
Filed May 7, 1943. Serial No. 460,468. PUBLISHED JUNE 20, 1944. Class 39.

408,710. HYDRAULIC CONTROL VALVES ESPECIALLY DESIGNED FOR USE ON AIRCRAFT. Adel Precision Products Corp., Burbank, Calif.
Filed May 10, 1943. Serial No. 460,512. PUBLISHED JUNE 13, 1944. Class 13.

408,711. PIECE GOODS OF COTTON, RAYON AND/OR SILK, OR COMBINATIONS THEREOF. Cohn-Hall-Marx Co., New York, N. Y.
Filed May 19, 1943. Serial No. 460,733. PUBLISHED JANUARY 18, 1944. Class 42.

408,712. PISTOLS. Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn.
Filed May 29, 1943. Serial No. 461,014. PUBLISHED JUNE 20, 1944. Class 9.

408,713. LADIES' CORSETS, CORSELETS, GIRDLES, AND COMBINATION FOUNDATION UNDER-GARMENTS COMPRISING COMBINATIONS OF TWO OR MORE OF THE FOLLOWING: BRASSIÈRE OR BANDEAU, GIRDLE, CORSET, OR CORSELET AND UNDERDRAWERS OR BLOOMERS. The La Resista Corset Company, Bridgeport, Conn.
Filed June 17, 1943. Serial No. 461,464. PUBLISHED JUNE 20, 1944. Class 39.

408,714. LADIES' CORSETS, CORSELETS, GIRDLES, AND COMBINATION FOUNDATION UNDER-GARMENTS COMPRISING COMBINATIONS OF TWO OR MORE OF THE FOLLOWING: BRASSIÈRE OR BANDEAU, GIRDLE, CORSET, OR CORSELET AND UNDERDRAWERS OR BLOOMERS. The La Resista Corset Company, Bridgeport, Conn.
Filed June 17, 1943. Serial No. 461,465. PUBLISHED JUNE 20, 1944. Class 39.

408,715. METAL PIPE FITTINGS. Union Aircraft Products Corp., New York, N. Y., assignor to Union Aircraft Products Corp., New York, N. Y., a corporation of New Jersey.
Filed June 21, 1943. Serial No. 461,580. PUBLISHED JUNE 20, 1944. Class 13.

408,716. NEWSPAPER ARTICLES. Louis R. Milio, Baltimore, Md.
Filed July 6, 1943. Serial No. 461,892. PUBLISHED JUNE 6, 1944. Class 38.

408,717. ELECTRONIC GYRO-COMPASSES, ELECTRONIC GYROPILOTS, ELECTRONIC DIRECTION INDICATING INSTRUMENTS, ELECTRONIC ARTIFICIAL HORIZON INSTRUMENTS, ELECTRONIC TURN AND BANK INDICATING INSTRUMENTS AND ELECTRONIC TESTING INSTRUMENTS FOR GYROSCOPES. Sperry Gyroscope Company, Inc., Brooklyn, N. Y.
Filed July 8, 1943. Serial No. 461,937. PUBLISHED JUNE 20, 1944. Class 26.

408,718. LINIMENT FOR THE TREATMENT OF RHEUMATISM, NEURALGIC AND MUSCULAR ACHES AND PAINS. Guy T. Dellaria, doing business as The Rheumatkill Co., New York, N. Y.
Filed July 20, 1943. Serial No. 462,179. PUBLISHED JUNE 6, 1944. Class 6.

408,719. WRAPPING PAPER. Saniwax Paper Company, Kalamazoo, Mich.
Filed July 22, 1943. Serial No. 462,233. PUBLISHED JUNE 20, 1944. Class 37.

408,720. WALLPAPER. The Sherwin-Williams Company, Cleveland, Ohio.
Filed August 4, 1943. Serial No. 462,520. PUBLISHED JUNE 20, 1944. Class 37.

408,721. NONALCOHOLIC BEVERAGES—NAMELY, MINERAL AND AERATED WATERS, NATURAL AND ARTIFICIAL; GINGER BEER, AND FRUIT SQUASHES AND CORDIALS. Idris Ltd., London, England.
Filed August 17, 1943. Serial No. 462,797. PUBLISHED JUNE 13, 1944. Class 45.

408,722. BRAIDS FOR MILLINERY. Henry Pollak, Inc., New York, N. Y.
Filed August 19, 1943. Serial No. 462,855. PUBLISHED JUNE 20, 1944. Class 40.

408,723. CURTAINS MADE OF RAYON, COTTON, WOOL, SILK, AND MIXTURES THEREOF. Rosenbluth Brothers, New York, N. Y.
Filed August 20, 1943. Serial No. 462,889. PUBLISHED JUNE 20, 1944. Class 42.

408,724. LITHOGRAPHED AND PRINTED LABELS OTHER THAN BLANK AND PARTIALLY PRINTED. Libero Joseph Danelussi, Bridgeton, N. J.
Filed August 21, 1943. Serial No. 462,908. PUBLISHED JUNE 6, 1944. Class 38.

408,725. PIECE GOODS WHOLLY OR PRINCIPALLY OF WOOL, WORSTED, HAIR, COTTON, SILK, LINEN, RAYON, OR NYLON. J. Emsley & Company Limited, Bradford, England.
Filed August 28, 1943. Serial No. 463,067. PUBLISHED MAY 9, 1944. Class 42.

408,726. SHOES MADE OF LEATHER, FABRIC, PLASTIC, RUBBER, AND COMBINATIONS THEREOF. Nusrala-Bowen Shoe Co., Inc., St. Louis, Mo.
Filed September 1, 1943. Serial No. 463,151. PUBLISHED APRIL 25, 1944. Class 39.

408,727. WOMEN'S AND MISSES' FUR COATS, FUR SCARFS, FUR-TRIMMED COATS, FUR-LINED COATS, CLOTH COATS, CLOTH SUITS, AND FUR-TRIMMED SUITS. James E. Blatchford, doing business as The Blatchford Company, Altoona, Pa.
Filed September 15, 1943. Serial No. 463,412. PUBLISHED MAY 23, 1944. Class 39.

408,728. ELECTRONIC TUBES, INCLUDING HIGH FREQUENCY VELOCITY MODULATING TUBES, AMPLIFIERS, OSCILLATORS, DETECTORS, PHASE SHIFTERS, FREQUENCY SHIFTERS, MODULATORS, MULTIPLIERS, HARMONIC GENERATORS AND MIXERS. Sperry Gyroscope Company, Inc., Brooklyn, N. Y.
Filed September 24, 1943. Serial No. 463,638. PUBLISHED JUNE 20, 1944. Class 21.

408,729. DYESTUFFS, ANILINE COLORS, AND CHEMICALS SUCH AS OILS, GREASES, GUMS, WAXES, ETC. Nyanza Color & Chemical Co., Inc., New York, N. Y.
Filed September 30, 1943. Serial No. 463,794. PUBLISHED JUNE 6, 1944. Class 6.

408,730. ELECTRIC ARC ETCHING MACHINES, SINGLE AND MULTIPLE ATTACHABLE ELECTRIC ARC ETCHING HEADS FOR PANTOGRAPH AND OTHER MACHINES, THE NECESSARY CONTROLLING ELECTRICAL EQUIPMENT FOR SAID MACHINES AND HEADS, AND SPECIALLY DESIGNED ETCHING ELECTRODES FOR SAID MACHINES AND HEADS. George Gorton Machine Company, Racine, Wis.
Filed October 8, 1943. Serial No. 463,997. PUBLISHED JUNE 20, 1944. Class 21.

408,731. OUTER SHIRTS, JACKETS, TROUSERS, SWEATERS. SOLOMON BROTHERS CO., New York, N. Y.
Filed October 9, 1943. Serial No. 464,034. PUBLISHED MAY 30, 1944. Class 39.

408,732. MAGAZINE ISSUED MONTHLY FOR READERS WHO ARE INTERESTED IN THE CHEMICAL INDUSTRY AND PARTICULARLY THE WORK AND EMPLOYEES OF THE HERCULES POWDER COMPANY. HERCULES POWDER COMPANY, Wilmington, Del.
Filed November 13, 1943. Serial No. 464,970. PUBLISHED JANUARY 11, 1944. Class 38.

408,733. TEXTILE FABRICS IN THE PIECE MADE OF WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF. CROWN FABRICS CORPORATION, New York, N. Y.
Filed October 15, 1943. Serial No. 464,159. PUBLISHED APRIL 25, 1944. Class 42.

408,734. PIECE GOODS OF COTTON, AND MIXTURES OF COTTON AND RAYON; PILLOW CASES; PILLOW PROTECTORS; PILLOW TICKS; BOLSTER PROTECTORS; MATTRESS COVERS; QUILT COVERS; AND BLANKET COVERS. FREUND, FREUND & CO., INC., New York, N. Y.
Filed November 3, 1943. Serial No. 464,648. PUBLISHED FEBRUARY 22, 1944. Class 42.

408,735. PIECE GOODS OF COTTON, AND MIXTURES OF COTTON AND RAYON; PILLOW CASES; PILLOW PROTECTORS; PILLOW TICKS; BOLSTER PROTECTORS; MATTRESS COVERS; QUILT COVERS; AND BLANKET COVERS. FREUND, FREUND & CO., INC., New York, N. Y.
Filed November 3, 1943. Serial No. 464,649. PUBLISHED FEBRUARY 22, 1944. Class 42.

408,736. SECTION OF A PERIODICAL APPEARING AT IRREGULAR INTERVALS. DISTRIBUTION AND WAREHOUSING PUBLICATIONS, INC., New York, N. Y.
Filed November 8, 1943. Serial No. 464,813. PUBLISHED JUNE 6, 1944. Class 38.

408,737. WOOLEN BLANKETS AND BLANKETING CLOTHS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed December 6, 1943. Serial No. 465,523. PUBLISHED FEBRUARY 8, 1944. Class 42.

408,738. OVERCOATS, COATS, SUITS, AND UNDERWEAR FOR MEN, BOYS, AND CHILDREN; BLOUSES AND HATS FOR WOMEN; OUTER SHIRTS, DRESS SHIRTS, AND NECKTIES FOR MEN AND BOYS; SHOES AND GLOVES OF LEATHER AND/OR FABRIC; HOSIERY; AND SWEATERS. KRESGE DEPT. STORE, INC., Newark, N. J., assignor to Sebastian S. Kresge, doing business as Kresge Department Store Newark, Newark, N. J.
Filed December 10, 1943. Serial No. 465,684. PUBLISHED APRIL 25, 1944. Class 39.

408,739. MAGAZINE., STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed December 17, 1943. Serial No. 465,854. PUBLISHED JUNE 6, 1944. Class 38.

408,740. RAYON PIECE GOODS. PRINCETON SILK CO., New York, N. Y.
Filed December 20, 1943. Serial No. 465,928. PUBLISHED MAY 9, 1944. Class 42.

408,741. TEXTILE FABRICS PREPARED FOR USE AS SHOE SOLING MATERIAL, AND FOR FLOOR COVERING; DOOR MATS AND FLOOR MATS. NEW PROCESS MILLS, INC., New York, N. Y.
Filed December 21, 1943. Serial No. 465,954. PUBLISHED MAY 23, 1944. Class 42.

408,742. RUM. J. MARION LEGENDRE, doing business as Legendre & Company, New Orleans, La.
Filed November 18, 1943. Serial No. 465,113. PUBLISHED JUNE 13, 1944. Class 49.

408,743. REACH EXTENDING MATCH OR TAPER HOLDING LIGHTERS FOR LIGHTING CEILING LAMPS, CANDELABRA, OVENS, FIREPLACES, AND THE LIKE. EDWARD C. TATNALL, New York, N. Y.
Filed November 19, 1943. Serial No. 465,158. PUBLISHED JUNE 20, 1944. Class 34.

408,744. TRAVEL BOOKLETS, AND FOR MONOLOGUES AND RADIO BROADCASTS, SUCH BOOKLETS AND SCRIPTS SOLD AS PUBLICATIONS IN TRADE. WENDELL WALKER, Chicago, Ill.
Filed November 19, 1943. Serial No. 465,165. PUBLISHED JUNE 13, 1944. Class 38.

408,745. LADIES' AND MISSES' COATS AND SUITS. BARKIN, LEVIN & CO. INC., New York, N. Y.
Filed November 20, 1943. Serial No. 465,175. PUBLISHED FEBRUARY 29, 1944. Class 39.

408,746. HEELS, SOLES, AND HALF SOLES OF RUBBER. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed November 26, 1943. Serial No. 465,319. PUBLISHED APRIL 25, 1944. Class 39.

408,747. CREAM ROUGE, DRY ROUGE, AND LIPSTICK. RICHARD HUDNUT, New York, N. Y.
Filed December 3, 1943. Serial No. 465,478. PUBLISHED FEBRUARY 15, 1944. Class 6.

408,748. WHISKEY. IMPERIAL IMPORTERS, INC., Chicago, Ill.
Filed December 24, 1943. Serial No. 466,042. PUBLISHED JUNE 13, 1944. Class 49.

408,749. WHISKEY. IMPERIAL IMPORTERS, INC., Chicago, Ill.
Filed December 24, 1943. Serial No. 466,043. PUBLISHED JUNE 13, 1944. Class 49.

408,750. WHISKEY. IMPERIAL IMPORTERS, INC., Chicago, Ill.
Filed December 24, 1943. Serial No. 466,044. PUBLISHED JUNE 13, 1944. Class 49.

408,751. BRUSHES FOR CLEANING NIPPLES OF BABIES' NURSING BOTTLES. MONTCLAIR MCCABE, doing business as Montclair Products, Los Angeles, Calif.
Filed December 27, 1943. Serial No. 466,095. PUBLISHED JUNE 20, 1944. Class 29.

408,752. CLEANER FOR REMOVING SURFACE FILM. J N T MFG. COMPANY INC., New York, N. Y.
Filed December 29, 1943. Serial No. 466,162. PUBLISHED JUNE 20, 1944. Class 4.

408,753. SCREWS, NUTS, BOLTS, RIVETS, AND SPECIAL FASTENING PLATES AND CLIPS FOR CO-OPERATION THEREWITH. CENTRAL SCREW COMPANY, Chicago, Ill.
Filed December 30, 1943. Serial No. 466,192. PUBLISHED JUNE 20, 1944. Class 13.

408,754. METALLIC TIMBER JOINT CLIPS FOR USE IN ASSEMBLING AND REINFORCING WOOD STRUCTURES. MAXWELL & HITCHCOCK, Atlanta, Ga.
Filed December 30, 1943. Serial No. 466,203. PUBLISHED JUNE 20, 1944. Class 13.

408,755. CIGARS. M & N CIGAR MANUFACTURERS, INC., Cleveland, Ohio.
Filed January 1, 1944. Serial No. 466,263. PUBLISHED JUNE 20, 1944. Class 17.

408,756. CURLED PLASTIC STRIP FOR CLEANING AND POLISHING SURFACE OF POTS, PANS, AND THE LIKE. NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md.
Filed January 6, 1944. Serial No. 466,352. PUBLISHED JUNE 20, 1944. Class 4.

408,757. PLASTIC DRAWER PULLS OF SYNTHETIC RESIN. NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md.
Filed January 6, 1944. Serial No. 466,354. PUBLISHED JUNE 20, 1944. Class 13.

408,758. FABRICS IN THE PIECE, KNITTED, NETTED, OR WOVEN FROM PLASTIC STRANDS, THREAD, OR YARN, AND INTENDED FOR USE AS SCREENING, FOR UPHOLSTERING FURNITURE, FOR MAKING DRAPERIES, AND FOR MAKING WEARING APPAREL, LUGGAGE, AND OTHER LIKE ARTICLES. NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md.
Filed January 6, 1944. Serial No. 466,357. PUBLISHED JUNE 20, 1944. Class 42.

408,759. SCHIFFLI EMBROIDERED TRIMMINGS—NAMELY, BANDS, EDGINGS, AND GALLOONS. LEHMANN & NAEGELI, New York, N. Y.
Filed January 10, 1944. Serial No. 466,450. PUBLISHED JUNE 6, 1944. Class 40.

408,760. SOIL TESTING SET COMPOSED OF SOIL TESTING ELEMENTS, CHART, AND PRINTED INSTRUCTIONS, ETC. AMERICAN SOIL PRODUCTS CO., INC., New York, N. Y.
Filed January 11, 1944. Serial No. 466,474. PUBLISHED JUNE 20, 1944. Class 50.

408,761. SHERRY. R. U. DELAPENHA & CO. INC., New York, N. Y.
Filed January 11, 1944. Serial No. 466,482. PUBLISHED JUNE 13, 944. Class 47.

408,762. PIECE GOODS OF COTTON, LINEN, SILK, AND RAYON. MARVLO FABRICS, INC., New York, N. Y.
Filed January 12, 1944. Serial No. 466,505. PUBLISHED MAY 9, 1944. Class 42.

408,763. PLIABLE, ELASTIC MATERIAL FOR COATING ROOFS, FOR PROTECTING METAL SURFACES, AND FOR DAMPPROOFING WALLS AND THE LIKE, THE MATERIAL BEING OF PAINT-LIKE FORM CAPABLE OF APPLICATION BY A BRUSH OR A POWER SPRAY GUN. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed January 13, 1944. Serial No. 466,557. PUBLISHED JUNE 13, 1944. Class 12.

408,764. SCHIFFLI EMBROIDERED LACES IN THE PIECE, AND SCHIFFLI EMBROIDERED MEDALLIONS. ASSOCIATED LACE CORPORATION, New York, N. Y.
Filed January 18, 1944. Serial No. 466,665. PUBLISHED MAY 9, 1944. Class 42.

408,765. COTTON PIECE GOODS. THE B. V. D. CORPORATION, Baltimore, Md.
Filed January 19, 1944. Serial No. 466,687. PUBLISHED MAY 23, 1944. Class 42.

408,766. ASBESTOS ASPHALT ROOF CEMENT, ASBESTOS FIBRE PLASTIC COATING. PHILLIPS ROOFING CO., INC., Baltimore, Md.
Filed January 20, 1944. Serial No. 466,743. PUBLISHED JUNE 20, 1944. Class 12.

408,767. LADIES', MISSES', AND GIRLS' SUITS, DRESSES, SKIRTS, COATS, WAISTS, SWEATERS, RIDING HABITS, KNICKERBOCKERS, BATHING SUITS, SCARFS, STOCKINGS, ALL LEATHER GLOVES, AND GLOVES OF ALL FABRIC, AND GLOVES OF COMBINED LEATHER AND FABRIC, AND HATS. JULIUS GARFINCKEL & CO., INCORPORATED, Washington, D. C.
Filed January 22, 1944. Serial No. 466,788. PUBLISHED APRIL 25, 1944. Class 39.

408,768. WOVEN RUGS. ANNA RISVOLD, Chicago, Ill.
Filed January 22, 1944. Serial No. 466,806. PUBLISHED JUNE 6, 1944. Class 42.

408,769. INDUSTRIAL SAFETY GOGGLES. WATCHEMOKET OPTICAL CO., Providence, R. I.
Filed January 22, 1944. Serial No. 466,816. PUBLISHED JUNE 20, 1944. Class 26.

408,770. PAINTINGS, PRINTS, WATER COLORS, ENGRAVINGS, SCREEN STENCIL PRINTINGS, ETCHINGS, AND LIKE REPRODUCTIONS OF WORKS OF ART. MAX M. POCHAPIN, New York, N. Y.
Filed January 27, 1944. Serial No. 466,927. PUBLISHED JUNE 13, 1944. Class 38.

408,771. COTTON PIECE GOODS. THE B. V. D. CORPORATION, Baltimore, Md.
Filed January 29, 1944. Serial No. 466,968. PUBLISHED APRIL 25, 1944. Class 42.

408,772. CASTINGS—NAMELY, GRAY IRON AND ALLOYED IRON CASTINGS. BUFFALO FOUNDRY & MACHINE CO., Buffalo, N. Y.
Filed January 29, 1944. Serial No. 466,974. PUBLISHED JUNE 20, 1944. Class 14.

408,773. WOOLEN PIECE GOODS. HAYWARD-SCHUSTER CO., INC., New York, N. Y.
Filed January 29, 1944. Serial No. 466,987. PUBLISHED MAY 2, 1944. Class 42.

408,774. SAFETY SEALS FOR FIRE EXTINGUISHERS. FRED FREDRIKSEN, doing business as Fredriksen Service Co., Chicago, Ill.
Filed January 31, 1944. Serial No. 467,029. PUBLISHED JUNE 20, 1944. Class 25.

408,775. REMEDY FOR INDIGESTION, RHEUMATISM, STOMACH AND KIDNEY DISORDERS. SULQU CHEMICAL COMPANY, Kansas City, Mo.
Filed January 31, 1944. Serial No. 467,051. PUBLISHED JUNE 13, 1944. Class 6.

408,776. GARMENT BELTS, COLLAR AND CUFF SETS, COSTUMES, LEATHER GLOVES, HATS, HEADDRESSES, WAR BONNETS, AND JACKETS. INDIAN ARTS AND CRAFTS BOARD, Washington, D. C.
Filed February 1, 1944. Serial No. 467,084. PUBLISHED MAY 9, 1944. Class 39.

408,777. ELECTRICAL MACHINES AND APPARATUS—NAMELY, SYNCHRONOUS GENERATORS, SYNCHRONOUS MOTORS, DIRECT-CURRENT GENERATORS, ETC. ELECTRIC MACHINERY MFG. COMPANY, Minneapolis, Minn.
Filed February 3, 1944. Serial No. 467,123. PUBLISHED JUNE 20, 1944. Class 21.

408,778. ELECTRICAL MACHINES AND APPARATUS—NAMELY, SYNCHRONOUS GENERATORS, SYNCHRONOUS MOTORS, DIRECT-CURRENT GENERATORS, ETC. ELECTRIC MACHINERY MFG. COMPANY, Minneapolis, Minn.
Filed February 3, 1944. Serial No. 467,124. PUBLISHED JUNE 20, 1944. Class 21.

408,779. WOMEN'S AND MISSES' DRESSES. MEYER SOLOWEY, Philadelphia, Pa.
Filed February 7, 1944. Serial No. 467,255. PUBLISHED JUNE 20, 1944. Class 39.

408,780. WEARING APPAREL FOR MEN, BOYS, WOMEN, AND CHILDREN—NAMELY, SHIRTS, NEGLIGEE SHIRTS, DRESS SHIRTS, ETC. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed February 8, 1944. Serial No. 467,268. PUBLISHED JUNE 20, 1944. Class 39.

408,781. PIECE GOODS OF COTTON, LINEN, WOOLEN, SILK, RAYON AND COMBINATIONS THEREOF, SHEETS, PILLOW CASES, PILLOW COVERS, MATTRESS COVERS, CRIB BLANKETS, CURTAINS, DRAPERIES, AND SLIP COVERS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed February 8, 1944, under the act of February 20, 1905, as amended June 10, 1938. Serial No. 467,269. PUBLISHED MAY 23, 1944. Class 42.

408,782. CHILE CON CARNE, CORNED BEEF HASH. ANGLO-AMERICAN PACKING CORP., New York, N. Y.
Filed February 10, 1944. Serial No. 467,306. PUBLISHED JUNE 20, 1944. Class 46.

408,783. PHARMACEUTICAL PREPARATION USED AS A THROAT GARGLE AND FOR THE TREATMENT OF COLDS. THE TROSEPT COMPANY, Huntington Park, Calif.
Filed February 11, 1944. Serial No. 467,361. PUBLISHED JUNE 6, 1944. Class 6.

408,784. JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES. DESSY JEWELERS, INC., New York, N. Y.
Filed February 15, 1944. Serial No. 467,428. PUBLISHED JUNE 20, 1944. Class 28.

408,785. PHARMACEUTICAL PREPARATIONS TO STIMULATE OVARIAN ACTIVITY AND FOR USE IN CONNECTION WITH OLIGOMENORRHEA, DYSMENORRHEA, AMENORRHEA, CASTRATION, MENAPAUSE, DELAYED PUBERTY. BIOCHEMICAL PRODUCTS CORPORATION, New York, N. Y.
Filed February 16, 1944. Serial No. 467,444. PUBLISHED JUNE 13, 1944. Class 6.

408,786. BUTTONS. GREAT LAKES BUTTON CO. INC., Brockport, N. Y.
Filed February 18, 1944. Serial No. 467,523. PUBLISHED JUNE 20, 1944. Class 40.

408,787. THERAPEUTIC CHLOROPHYLL AND CHLOROPHYLL DERIVATIVES PREPARATIONS IN VARIOUS FORMS SUCH AS SOLUTIONS, OINTMENTS, ETC. RYSTAN COMPANY, New York, N. Y.
Filed February 18, 1944. Serial No. 467,539. PUBLISHED JUNE 6, 1944. Class 6.

408,788. TEXTILE FABRICS IN THE PIECE OF COTTON, SPUN RAYON, PROTEIN FIBRES, AND COMBINATIONS THEREOF. CREST FABRICS CORP., New York, N. Y.
Filed February 21, 1944. Serial No. 467,594. PUBLISHED MAY 9, 1944. Class 42.

408,789. TEXTILE FABRICS IN THE PIECE OF COTTON, SPUN RAYON, AND PROTEIN FIBRES. EVERFAST FABRICS, INC., New York, N. Y.
Filed February 21, 1944. Serial No. 467,603. PUBLISHED MAY 16, 1944. Class 42.

408,790. TEXTILE FABRICS IN THE PIECE OF COTTON, SPUN RAYON, AND PROTEIN FIBRES. EVERFAST FABRICS, INC., New York, N. Y.
Filed February 21, 1944. Serial No. 467,605. PUBLISHED MAY 23, 1944. Class 42.

408,791. WRAPPING PAPER, TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CLEANSING TISSUES. C. WILSON WOOD, doing business as L. K. Mallinckrodt, Baltimore, Md., assignor to L. K. Mallinckrodt, Inc., Baltimore, Md., a corporation of Maryland.
Filed February 21, 1944. Serial No. 467,632. PUBLISHED JUNE 20, 1944. Class 37.

408,792. WRAPPING PAPER, TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CLEANSING TISSUES. C. WILSON WOOD, doing business as L. K. Mallinckrodt, Baltimore, Md. assignor to L. K. Mallinckrodt, Inc., Baltimore, Md., a corporation of Maryland.
Filed February 21, 1944. Serial No. 467,633. PUBLISHED JUNE 20, 1944. Class 37.

408,793. WRAPPING PAPER, TOILET PAPER, PAPER TOWELS, PAPER NAPKINS AND CLEANSING TISSUES. C. WILSON WOOD, doing business as L. K. Mallinckrodt, Baltimore, Md., assignor to L. K. Mallinckrodt, Inc., Baltimore, Md., a corporation of Maryland.
Filed February 21, 1944. Serial No. 467,634. PUBLISHED JUNE 20, 1944. Class 37.

408,794. LACE AND NETTED FABRICS IN THE PIECE. I. ZENDMAN, INC., New York, N. Y.
Filed February 21, 1944. Serial No. 467,637. PUBLISHED MAY 16, 1944. Class 42.

408,795. TEXTILE FABRICS IN THE PIECE MADE OF WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF. CROWN FABRICS CORPORATION, New York, N. Y.
Filed February 22, 1944. Serial No. 467,649. PUBLISHED MAY 16, 1944. Class 42.

408,796. TEXTILE FABRICS IN THE PIECE OF COTTON, SPUN RAYON, AND PROTEIN FIBRES. EVERFAST FABRICS, INC., New York, N. Y.
Filed February 22, 1944. Serial No. 467,659. PUBLISHED MAY 16, 1944. Class 42.

408,797. MEN'S NECKTIES. BEN PULITZER, New York, N. Y.
Filed February 22, 1944. Serial No. 467,673. PUBLISHED JUNE 20, 1944. Class 39.

408,798. WRITING TABLETS. S. S. KRESGE COMPANY, Detroit, Mich.
Filed February 23, 1944. Serial No. 467,695. PUBLISHED JUNE 20, 1944. Class 37.

408,799. ELECTRIC FUSES. PIERCE RENEWABLE FUSES, INC., Buffalo, N. Y.
Filed February 23, 1944. Serial No. 467,699. PUBLISHED JUNE 20, 1944. Class 21.

408,800. INFANTS' AND CHILDREN'S DRESSES, BLOUSES, HANDKERCHIEFS, AND SCARFS. CONCHITA G. DE NIDO, Santurce, P. R.
Filed February 25, 1944. Serial No. 467,753. PUBLISHED MAY 2, 1944. Class 39.

408,801. MONOCHLORODIFLUOROMETHANE, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS. KINETIC CHEMICALS, INC., Wilmington, Del.
Filed February 25, 1944. Serial No. 467,759. PUBLISHED JUNE 13, 1944. Class 6.

408,802. PERFUMES, TOILET WATER, AND COLD CREAM. GRACE V. NEFF, Chicago, Ill.
Filed February 29, 1944. Serial No. 467,852. PUBLISHED JUNE 13, 1944. Class 6.

408,803. WALL TOOL AND ARTICLE HOLDING CLIPS. ARTHUR I. PLATT, doing business as Arthur I. Platt & Company, Fairfield, Conn.
Filed February 29, 1944. Serial No. 467,854. PUBLISHED JUNE 20, 1944. Class 13.

408,804. BOOKS, BOOKLETS, AND CHILDREN'S ENCYCLOPEDIA ALL PUBLISHED PERIODICALLY. THE GROLIER SOCIETY, INC., New York, N. Y.
Filed March 1, 1944. Serial No. 467,886. PUBLISHED JUNE 13, 1944. Class 38.

408,805. WATER-REPELLENT PREPARATION IN LIQUID AND PASTE FORM FOR WATERPROOFING AND WEATHERPROOFING TEXTILES, FIBRES, FABRICS, FURS, PAPER, AND BUILDING MATERIALS. S & S CHEMICAL COMPANY, Newark, N. J.
Filed March 1, 1944. Serial No. 467,898. PUBLISHED JUNE 6, 1944. Class 6.

408,806. SHOES MADE FROM LEATHER, FABRIC, RUBBER OR COMBINATIONS OF THESE MATERIALS. THE SELBY SHOE COMPANY, Portsmouth, Ohio.
Filed March 1, 1944. Serial No. 467,899. PUBLISHED JUNE 6, 1944. Class 39.

408,807. WINES. ST. CHRISTOPHER WINE CORPORATION, Charlotte, N. C.
Filed March 1, 1944. Serial No. 467,900. PUBLISHED JUNE 20, 1944. Class 47.

408,808. TEXTILE FABRICS IN THE PIECE, OF COTTON, SPUN RAYON, AND PROTEIN FIBRES. EVERFAST FABRICS, INC., New York, N. Y.
Filed March 2, 1944. Serial No. 467,917. PUBLISHED MAY 23, 1944. Class 42.

408,809. CHROMOSCOPES AND VIEWING BOXES FOR VIEWING PHOTOGRAPHIC SLIDES AND FILMS. CHROMAT-O-SCOPE COMPANY, Los Angeles, Calif.
Filed March 6, 1944. Serial No. 467,998. PUBLISHED JUNE 20, 1944. Class 26.

408,810. CANDY. LAFOND CHOCOLATIER, New York, N. Y.
Filed March 7, 1944. Serial No. 468,035. PUBLISHED JUNE 20, 1944. Class 46.

408,811. COTTON PIECE GOODS, SHEETS, AND PILLOW CASES. WAMSUTTA MILLS, New Bedford, Mass.
Filed March 7, 1944. Serial No. 468,055. PUBLISHED MAY 16, 1944. Class 42.

408,812. KNITTED COTTON TUBING, PRIMARILY INTENDED FOR USE IN WRAPPING MEATS, FISH, AND FOWL. THE ADLER CO., Cincinnati, Ohio.
Filed March 8, 1944. Serial No. 468,059. PUBLISHED MAY 23, 1944. Class 42.

408,813. WOOLEN PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed March 8, 1944. Serial No. 468,062. PUBLISHED JUNE 20, 1944. Class 42.

408,814. FABRICS AND PIECE GOODS OF RAYON, WOOL AND COTTON AND OF VARIOUS MIXTURES AND BLENDS THEREOF. BRAND & OPPENHEIMER, INCORPORATED, New York, N. Y.
Filed March 8, 1944. Serial No. 468,064. PUBLISHED JUNE 20, 1944. Class 42.

408,815. BABY PANTS, BIBS, BOOTIES, BABIES' HATS, UNDERSHIRTS, GLOVES MADE OF LEATHER AND/OR FABRIC OR WOOL. BINKY BABY PRODUCTS COMPANY, New York, N. Y.
Filed March 9, 1944. Serial No. 468,105. PUBLISHED JUNE 20, 1944. Class 39.

408,816. COMPOUND USED AS A BASE IN THE MANUFACTURE OF RUBBER CEMENT. RUBBER AND PLASTICS COMPOUND CO. INC., New York, N. Y.
Filed March 10, 1944. Serial No. 468,162. PUBLISHED JUNE 6, 1944. Class 6.

408,817. LINIMENT FOR THE RELIEF OF MUSCULAR PAINS, PINCHED NERVES, SPRAINS, AND BRUISES. E. J. EDDY, doing business as The Eddy Co., Long Beach, Calif.
Filed March 13, 1944. Serial No. 468,233. PUBLISHED JUNE 13, 1944. Class 6.

408,818. ADHESIVES COMPRISING A SOLUTION, EMULSION, AND/OR DISPERSION OF PLASTIC AND/OR SYNTHETIC RESINOUS MATERIAL. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio.
Filed March 13, 1944. Serial No. 468,249. PUBLISHED JUNE 20, 1944. Class 5.

408,819. ADHESIVES COMPRISING A SOLUTION, EMULSION, AND/OR DISPERSION OF PLASTIC AND/OR SYNTHETIC RESINOUS MATERIAL. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio.
Filed March 13, 1944. Serial No. 468,250. PUBLISHED JUNE 20, 1944. Class 5.

408,820. GAGES OF THE NONADJUSTABLE TYPE SUCH AS PLAIN SNAP GAGES, PLUG GAGES, FEELER OR PLUNGER GAGES, LOCATING GAGES, PROFILE GAGES, AND RING GAGES. THE CITY ENGINEERING COMPANY, Dayton, Ohio.
Filed January 10, 1944. Serial No. 466,429. PUBLISHED JUNE 27, 1944. Class 26.

408,821. WRAPPING PAPER AND WAXED PAPER. C. WILSON WOOD, doing business as L. K. Mallinckrodt, Baltimore, Md., assignor to L. K. Mallinckrodt, Inc., Baltimore, Md., a corporation of Maryland.
Filed March 14, 1944. Serial No. 468,314. PUBLISHED JUNE 20, 1944. Class 37.

408,822. VARIABLE ATTENUATORS. ARTHUR C. DAVIS, doing business as Cinema Engineering Company, Burbank, Calif.
Filed March 15, 1944. Serial No. 468,319. PUBLISHED JUNE 20, 1944. Class 21.

408,823. HAIR GROWER. WILMA M. BOSTON, Detroit, Mich.
Filed March 16, 1944. Serial No. 468,336. PUBLISHED JUNE 13, 1944. Class 6.

408,824. FISH BAIT. L. R. BOWEN, doing business as Li-Cut Live Bait Co., Los Angeles, Calif.
Filed March 17, 1944. Serial No. 468,372. PUBLISHED JUNE 20, 1944. Class 22.

408,825. LAXATIVE MEDICINAL COMPOUNDS. FLOYD J. RUPERT, doing business as Detona Medicine Co., Columbus, Ohio.
Filed March 18, 1944. Serial No. 468,419. PUBLISHED JUNE 13, 1944. Class 6.

408,826. WOOLEN AND WORSTED FABRICS IN THE PIECE. TERHUNE, YERKANCE & WOLFF, INC., New York, N. Y.
Filed March 18, 1944. Serial No. 468,422. PUBLISHED JUNE 13, 1944. Class 42.

408,827. FOLDING PAPER AND CARDBOARD BOXES. SPEAR BOX COMPANY INCORPORATED, New York, N. Y.
Filed March 21, 1944. Serial No. 468,494. PUBLISHED JUNE 20, 1944. Class 2.

408,828. ANTISEPTIC, BACTERICIDAL, AND FUNGICIDAL OINTMENT. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J.
Filed March 22, 1944. Serial No. 468,502. PUBLISHED JUNE 6, 1944. Class 6.

408,829. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed March 22, 1944. Serial No. 468,506. PUBLISHED JUNE 13, 1944. Class 38.

408,830. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed March 22, 1944. Serial No. 468,510. PUBLISHED MAY 30, 1944. Class 38.

408,831. VITAMIN CAPSULES. LILEE PRODUCTS COMPANY, Chicago, Ill.
Filed March 22, 1944. Serial No. 468,518. PUBLISHED JUNE 6, 1944. Class 6.

408,832. WHISKEY. MARCO IMPORTING CO., Chicago, Ill.
Filed March 22, 1944. Serial No. 468,526. PUBLISHED JUNE 13, 1944. Class 49.

408,833. COTTON PIECE GOODS, RAYON PIECE GOODS AND COMBINATIONS THEREOF. A. STEINAM COMPANY, INC., New York, N. Y.
Filed March 22, 1944. Serial No. 468,546. PUBLISHED JUNE 20, 1944. Class 42.

408,834. FERTILIZERS. FIDELITY CHEMICAL CORPORATION, Houston, Tex.
Filed March 23, 1944. Serial No. 468,561. PUBLISHED JUNE 20, 1944. Class 10.

408,835. SCARVES AND FASCINATORS. BRIAN FABRICS CORPORATION, New York, N. Y.
Filed March 24, 1944. Serial No. 468,592. PUBLISHED JUNE 20, 1944. Class 39.

408,836. COPPER ALLOY STOCK FOR USE IN MAKING SOLDERING IRONS. P. R. MALLORY & CO., INC., Indianapolis, Ind.
Filed March 24, 1944. Serial No. 468,618. PUBLISHED JUNE 20, 1944. Class 14.

408,837. TYPEWRITING PAPERS, WRITING PAPER, ENVELOPES, PRINTING PAPERS, LITHOGRAPHING PAPER, WRITING TABLETS, AND PAPETERIES. WANSCO PAPER PRODUCTS CO. INC., New York, N. Y.
Filed March 24, 1944. Serial No. 468,648. PUBLISHED JUNE 20, 1944. Class 37.

408,838. TYPEWRITING PAPER, WRITING PAPER, ENVELOPES, PRINTING PAPERS, LITHOGRAPHING PAPER, PAPETERIES, AND WRITING TABLETS. WANSCO PAPER PRODUCTS CO. INC., New York, N. Y.
Filed March 24, 1944. Serial No. 468,649. PUBLISHED JUNE 20, 1944. Class 37.

408,839. PREPARATIONS FOR USE IN THE DRESSING, CARE AND TREATMENT OF THE HAIR. THE COUNTY PERFUMERY COMPANY, INC., Bloomfield, N. J.
Filed March 25, 1944. Serial No. 468,664. PUBLISHED JUNE 13, 1944. Class 6.

408,840. COIFFURE COMBS. DIADEM, INC., Leominster, Mass.
Filed March 25, 1944. Serial No. 468,666. PUBLISHED JUNE 20, 1944. Class 40.

408,841. COIFFURE COMBS. DIADEM, INC., Leominster, Mass.
Filed March 25, 1944. Serial No. 468,667. PUBLISHED JUNE 20, 1944. Class 40.

408,842. COIFFURE COMBS. DIADEM, INC., Leominster, Mass.
Filed March 25, 1944. Serial No. 468,668. PUBLISHED JUNE 20, 1944. Class 40.

408,843. MEN'S AND BOYS' DRESS, SPORT AND NEGLIGEE SHIRTS. LIONDALE SHIRT COMPANY, New York, N. Y.
Filed March 25, 1944. Serial No. 468,676. PUBLISHED MAY 30, 1944. Class 39.

408,844. CIGARS. H. L. NEFF, doing business as H. L. Neff & Co., Red Lion, Pa.
Filed March 27, 1944. Serial No. 468,717. PUBLISHED JUNE 20, 1944. Class 17.

408,845. LENSES FOR EYE GLASSES, GOGGLES, AND SPECTACLES; AND EYE GLASS, GOGGLE, AND SPECTACLE FRAMES AND PARTS THEREFOR OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS. STEFAN KAESZ, doing business as American Zyloptic Co., New York, N. Y.
Filed March 28, 1944. Serial No. 468,757. PUBLISHED JUNE 20, 1944. Class 26.

408,846. COIFFURE COMBS. HAROLD V. HAHN, doing business as Phillips Brush Company, Cleveland, Ohio.
Filed March 29, 1944. Serial No. 468,795. PUBLISHED JUNE 20, 1944. Class 40.

408,847. PICTORIAL HUMOROUS PERIODICAL. ROBERT HARRISON, New York, N. Y.
Filed March 29, 1944. Serial No. 468,796. PUBLISHED JUNE 13, 1944. Class 38.

408,848. WOOLEN FABRICS IN THE PIECE. PACIFIC MILLS, Boston, Mass., and New York, N. Y.
Filed March 30, 1944. Serial No. 468,850. PUBLISHED JUNE 13, 1944. Class 42.

408,849. VARNISH. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill.
Filed March 31, 1944. Serial No. 468,886. PUBLISHED JUNE 20, 1944. Class 16.

408,850. MEN'S SUITS, VESTS, TROUSERS, TOPCOATS AND OVERCOATS. MICHAELS, STERN & COMPANY, INC., Rochester, N. Y.
Filed March 31, 1944. Serial No. 468,894. PUBLISHED JUNE 6, 1944. Class 39.

408,851. PIECE GOODS COMPOSED OF RAYON, MIXTURES OF RAYON WITH NATURAL OR SYNTHETIC SILK; WOOL AND MIXTURES OF WOOL WITH RAYON OR OTHER SYNTHETIC SILK OR WITH SILK OR COTTON. RUBE P. HOFFMAN, Los Angeles, Calif.
Filed April 1, 1944. Serial No. 468,920. PUBLISHED JUNE 20, 1944. Class 42.

408,852. WOOLEN AND WORSTED FABRICS IN THE PIECE HAVING A SUBSTANTIAL CONTENT OF LLAMA'S HAIR. SIEGEL BROS. GARMENT CORP., New York, N. Y.
Filed April 3, 1944. Serial No. 468,984. PUBLISHED JUNE 20, 1944. Class 42.

408,853. PERIODICAL PUBLICATIONS DEVOTED TO THE INTERESTS OF CEMETERY OWNERS AND OPERATORS. CEMETERY LEGAL COMPASS, Los Angeles, Calif.
Filed April 4, 1944. Serial No. 469,003. PUBLISHED JUNE 13, 1944. Class 38.

408,854. LEATHER, COMBINED LEATHER AND FABRIC, AND FABRIC GLOVES. THE GLOVE CORPORATION, Alexandria, Ind.
Filed April 5, 1944. Serial No. 469,046. PUBLISHED JUNE 20, 1944. Class 39.

408,855. LADIES' AND MISSES' DRESSES. HYMAN BROS., Philadelphia, Pa.
Filed April 5, 1944. Serial No. 469,049. PUBLISHED JUNE 6, 1944. Class 39.

408,856. HONEY, BOTTLED OLIVES, PANCAKE SYRUP, DEVIL'S FOOD CAKE MIX, FONDANT ICING, APPLE JELLY, MARSHMALLOW POWDER, ETC. MAX AMS, INC., New York, N. Y.
Filed April 7, 1944. Serial No. 469,103. PUBLISHED JUNE 20, 1944. Class 46.

408,857. MEN'S AND LADIES' HOSIERY. H. A. ASTLETT & Co., New York, N. Y.
Filed April 7, 1944. Serial No. 469,112. PUBLISHED JUNE 6, 1944. Class 39.

408,858. LIPSTICK. HENRI BENDEL, INC., New York, N. Y.
Filed April 8, 1944. Serial No. 469,144. PUBLISHED JUNE 6, 1944. Class 6.

408,859. TODDLERS', GIRLS', JUNIOR MISSES' AND MISSES' PLAYSUITS, PINAFORES AND BLOUSES. MASON BLOUSE AND SPORTSWEAR, New York, N. Y.
Filed April 8, 1944. Serial No. 469,163. PUBLISHED JUNE 6, 1944. Class 39.

408,860. NEWSPAPER COLUMN. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass.
Filed April 11, 1944. Serial No. 469,222. PUBLISHED MAY 30, 1944. Class 38.

408,861. HOUSEHOLD SOAP. GUY E. BRIGNALL, doing business as Lite Soap Company, Aurora, Ill.
Filed April 12, 1944. Serial No. 469,243. PUBLISHED JUNE 20, 1944. Class 4.

408,862. MONTHLY PUBLICATION. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass.
Filed April 12, 1944. Serial No. 469,247. PUBLISHED JUNE 20, 1944. Class 38.

408,863. CALENDARS WITH DAILY SCRIPTURAL READINGS AND RELIGIOUS PRINTS. FORT WAYNE PRINTING COMPANY, INC., Fort Wayne, Ind.
Filed April 17, 1944. Serial No. 469,392. PUBLISHED JUNE 13, 1944. Class 38.

408,864. MOLDED PULP PROTECTIVE PACKING SHEETS AND PADS USED IN PACKING AND SHIPPING FRAGILE ARTICLESS. KEYES FIBRE COMPANY, Waterville, Maine.
Filed April 17, 1944. Serial No. 469,402. PUBLISHED JUNE 20, 1944. Class 50.

408,865. SOAP. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed April 20, 1944. Serial No. 469,510. PUBLISHED JUNE 20, 1944. Class 4.

408,866. FRESH VEGETABLES AND MELONS. EATON-TOMLINSON CO., Avondale, Colo.
Filed April 22, 1944. Serial No. 469,558. PUBLISHED JUNE 20, 1944. Class 46.

408,867. TOWELS, WASH CLOTHS, AND BATH MATS. LERON, INC., New York, N. Y.
Filed April 22, 1944. Serial No. 469,570. PUBLISHED JUNE 20, 1944. Class 42.

408,868. COATED ABRASIVE PAPERS. MID-WEST ABRASIVE COMPANY, Detroit, Mich.
Filed April 24, 1944. Serial No. 469,607. PUBLISHED JUNE 20, 1944. Class 4.

408,869. CUTTING OILS. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed April 26, 1944. Serial No. 469,704. PUBLISHED JUNE 20, 1944. Class 15.

408,870. ALL TYPES OF FISHING TACKLE—NAMELY, FISHING RODS, REELS, LINES, LEADERS, AND HOOKS FOR USE IN BOTH SALT AND FRESH WATER. WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif.
Filed April 27, 1944. Serial No. 469,741. PUBLISHED JUNE 20, 1944. Class 22.

408,871. PROTEIN MATERIAL USED AS A BINDER IN CLAY COATING OF PAPER. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed April 29, 1944. Serial No. 469,806. PUBLISHED JUNE 20, 1944. Class 5.

408,872. ARCHERY TARGET BUTTS. CHARLES A. SAUNDERS, doing business as Saunders Archery Target Co., Manilla, Iowa.
Filed May 5, 1944. Serial No. 469,972. PUBLISHED JUNE 20, 1944. Class 22.

408,873. FILTERS. INFILCO INCORPORATED, Chicago, Ill.
Filed May 8, 1944. Serial No. 470,030. PUBLISHED JUNE 20, 1944. Class 31.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

408,874. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAMSON & CO. INCORPORATED, doing business as Elmwood Farm Co., Leominster, Mass. Filed Apr. 29, 1940. Serial No. 431,362.

ELMWOOD FARM

FOR CANNED CHICKEN, EGG NOODLES AND CHICKEN, CHICKEN A LA KING, CHICKEN FRICASSE, SANDWICH SPREAD, CHICKEN BROTH, CHICKEN SOUP WITH NOODLES, AND CHICKEN IN GLASS.
Claims use since 1905.

408,875. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MERGENTHALER LINOTYPE COMPANY, New York, and Brooklyn, N. Y. Filed May 9, 1941. Serial No. 443,429.

RYERSON

FOR MATRICES.
Claims use since Apr. 18, 1940.

408,876. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed May 14, 1942. Serial No. 453,018.

POWR SHIFTR

FOR RADIO POWER PACKS.
Claims use since Jan. 15, 1940.

408,877. (CLASS 27. HOROLOGICAL INSTRUMENTS.) EDWIN J. GENGLER, Milwaukee, Wis. Filed May 21, 1942. Serial No. 453,154.

TIME-HER-RITE

FOR MILKING TIMERS.
Claims use since Feb. 8, 1942.

408,878. (CLASS 27. HOROLOGICAL INSTRUMENTS.) EMIL LEICHTER, New York, N. Y. Filed Oct. 7, 1942. Serial No. 456,019.

Packard

FOR WATCHES.
Claims use since Sept. 1, 1942.

408,879. (CLASS 39. CLOTHING.) SILVERITE GUTTERMAN CO., doing business as Stepsoft Products Company, Boston, Mass. Filed Dec. 11, 1942. Serial No. 457,350.

Stepsoft

FOR HEEL CUSHIONS, INSOLES, STOCKING PROTECTORS CONSISTING OF A SOFT COUNTER AND HEEL PAD FOR WEAR INSIDE THE SHOE, AND HEEL LININGS.
Claims use since December 1915.

408,880. (CLASS 39. CLOTHING.) KRAMER-BRANDEIS, INC., New York, N. Y. Filed Feb. 4, 1943. Serial No. 458,332.

DERRY SPUN

FOR MEN'S NECKTIES AND MUFFLERS.
Claims use since Apr. 23, 1942.

408,881. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAWRANCE A. MEEKER, doing business as Essex Cheese, St. Albans, Vt. Filed Feb. 13, 1943. Serial No. 458,515.

ESSEX CHEESE

FOR CHEESE.
Claims use since June 16, 1942.

408,882. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACME LABORATORIES, INC., Chicago, Ill. Filed Feb. 23, 1943. Serial No. 458,698.

TRI-BASIC

FOR TOOTH-POWDER.
Claims use since Nov. 2, 1942.

408,883. (CLASS 39. CLOTHING.) I. D. LINDENBAUM, INC., New York, N. Y. Filed Feb. 26, 1943. Serial No. 458,786.

Casablanca Tone

FOR LADIES' AND GIRLS' HATS.
Claims use since Feb. 1, 1943.

408,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTH COAST FISHERIES, INC., Terminal Island, Calif. Filed Mar. 13, 1943. Serial No. 459,091.

Concord BRAND
HORSE MACKEREL
SOUTH COAST FISHERIES, INC.

FOR CANNED FISH.
Claims use since Feb. 17, 1943.

408,885. (CLASS 39. CLOTHING.) H. H. SCHMIDT GLOVE CO., INC., New York, N. Y. Filed Apr. 6, 1943. Serial No. 459,676.

Derry-Fabs

FOR GLOVES OF LEATHER, FABRIC, OR A COMBINATION THEREOF.
Claims use since Mar. 15, 1943.

408,886. (CLASS 39. CLOTHING.) RAINBOW SHOPS, INC., Brooklyn, N. Y. Filed Apr. 9, 1943. Serial No. 459,764.

Westfield

FOR BED JACKETS, PAJAMAS, NIGHTGOWNS, NEGLIGEES, HOUSECOATS, HOSTESS GOWNS, LOUNGING ROBES, BATHROBES, BEACH ROBES, BATHING SUITS, HOSIERY, ANKLETS, SWEATERS, SPORT JACKETS, SLACKS, OUTER SKIRTS, BLOUSES, SCARFS; WOMEN'S SUITS, COATS, SHORTS, COLLARS, AND UNDERWEAR; CORSETS, BRASSIÈRES, SLIPS, GLOVES MADE OF LEATHER AND FABRIC, BEACH SHOES, PLAY SHOES, AND SHOES MADE OF LEATHER, FABRIC, AND RUBBER.
Claims use since Mar. 1, 1943.

408,887. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) DAVID CRYSTAL INC., New York, N. Y. Filed Apr. 30, 1943. Serial No. 460,290.

CONTOUR CLOSURE

FOR MADE-UP PLACKETS EQUIPPED WITH FASTENERS FOR USE ON WOMEN'S GARMENTS.
Claims use since Apr. 1, 1943.

408,888. (CLASS 38. PRINTS AND PUBLICATIONS.) SOUTHERN AIRWAYS, INC., Atlanta, Ga. Filed June 8, 1943. Serial No. 461,231.

Southern AIRWAYS

FOR A PUBLICATION OR BULLETIN ISSUED FROM TIME TO TIME.
Claims use since March 23, 1943.

408,889. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BROWNING MANUFACTURING CO., INCORPORATED, Maysville, Ky. Filed Aug. 19, 1943. Serial No. 462,843.

GRIPLINK

FOR POWER TRANSMISSION BELTING.
Claims use since July 3, 1943.

408,890. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES H. C. VAN PELT, doing business as Duvan Vital Products Co., Winter Park, Fla. Filed Aug. 21, 1943. Serial No. 462,936.

DUVAN

FOR PACKAGED CITRUS FRUIT JUICE FOR BEVERAGE PURPOSES.
Claims use since July 1941.

408,891. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAM GILL, Oklahoma City, Okla. Filed Nov. 9, 1943. Serial No. 464,853.

Photobiography

FOR PHOTOCOPIES OF ARTICLES AND NEWS ITEMS APPEARING IN PAPERS AND MAGAZINES, SAID PHOTOCOPIES BEING SOLD AS SUCH.
Claims use since Aug. 1, 1942.

408,892. (CLASS 39. CLOTHING.) ROBERT SCHNIPPER, Brooklyn, N. Y. Filed Nov. 26, 1943. Serial No. 465,325.

Renée Hudnut

FOR SHOES OF LEATHER, RUBBER AND FABRIC AND/OR OF A COMBINATION OF THESE MATERIALS.
Claims use since Sept. 1, 1938.

408,893. (CLASS 12. CONSTRUCTION MATERIALS.) RADIATOR SPECIALTY COMPANY, Charlotte, N. C. Filed Dec. 10, 1943. Serial No. 465,695.



FOR CAULKING COMPOUND FOR SEALING TOILET BOWLS TO SEWER JOINTS AND THE LIKE, SAID COMPOUND REMAINING PERMANENTLY SOFT AND GUMMY.
Claims use since Oct. 20, 1942.

408,894. (CLASS 48. MALT BEVERAGES AND LIQUORS.) FRED KOCH BREWERY, Dunkirk, N. Y. Filed Jan. 5, 1944. Serial No. 466,331.

Koch's

FOR BEER AND ALE.
Claims use since July 1, 1900.

408,895. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAYWARD-SCHUSTER CO., INC., New York, N. Y. Filed Jan. 27, 1944. Serial No. 466,912.



FOR WOOLEN PIECE GOODS.
Claims use since August 1941.

408,896. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AZ-NU ELECTRO-MEND CO., doing business as No Darn Co., Chicago, Ill. Filed Feb. 4, 1944. Serial No. 467,144.

NO-DARN

FOR CLOTH PATCHES FOR MENDING PURPOSES.
Claims use since Oct. 17, 1941.

408,897. (CLASS 39. CLOTHING.) M. WOLF'S SONS INC., Brooklyn, N. Y. Filed Mar. 6, 1944. Serial No. 468,011.

M. Wolf

FOR LADIES' SHOES OF LEATHER AND FABRIC. Claims use since March 1930.

408,898. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT B. COLLINS, doing business as Siatico Company, Charlotte, Mich. Filed Mar. 17, 1944. Serial No. 468,373.

SIATICO
TRADE MARK

FOR MEDICINAL PREPARATION USED FOR THE TREATMENT OF NEURITIS AND MUSCULAR ACHES AND PAINS, AND MUSCULAR LUMBAGO. Claims use since Jan. 1, 1920.

408,899. (CLASS 37. PAPER AND STATIONERY.) BROOKS BANK NOTE COMPANY, Springfield, Mass. Filed Mar. 20, 1944. Serial No. 468,432.

BRITECOTE

FOR WRITING AND PRINTING PAPER. Claims use since July 1933.

408,900. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) W. N. MATTHEWS CORPORATION, St. Louis, Mo. Filed May 11, 1944. Serial No. 470,147.

MATTHEWS

FOR HEIGHT-MEASURING INSTRUMENTS OPERATING BY TRIANGULATION. Claims use since 1915.

408,901. (CLASS 2. RECEPTACLES.) WEINMAN BROTHERS, Chicago, Ill. Filed May 26, 1944. Serial No. 470,693.

Asbestoid

FOR BASKETS. Claims use since Apr. 5, 1943.

TRADE-MARK REGISTRATIONS RENEWED

25,747. **CAMELIA.** RAILROAD BRASSES, JOURNAL-BOXES AND METALS OR ALLOYS OF METAL THEREFOR. Registered December 25, 1894. MAGNOLIA METAL COMPANY, New York, N. Y. Re-renewed December 25, 1944, to Magnolia Metal Company, Elizabeth, N. J., a corporation of West Virginia.

184,399. **ATOMITE.** DIATOMACEOUS EARTH. Registered May 20, 1924. A. H. KRIEGER, Los Angeles, Calif. Renewed May 20, 1944, to Arthur H. Krieger, New York, N. Y.

185,432. **POSTEX.** WRITING PAPER. Registered June 17, 1924. E. E. LLOYD PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 17, 1944.

186,137. **NELCO.** BUILDING MATERIALS—VIZ, BUILDING LIME, HYDRATED LIME, AND GROUND LIMESTONE FOR BUILDING PURPOSES. Registered July 1, 1924. NEW ENGLAND LIME COMPANY, Danbury, Conn. Renewed July 1, 1944, to New England Lime Company, Adams, Mass., a corporation of Massachusetts, successor.

186,148. **"CMC BOXES" AND DESIGN.** FOLDING PAPER BOXES AND FIBER DRUMS. Registered July 1, 1924. CLIMAX MANUFACTURING COMPANY, Castorland, N. Y., a corporation of New York. Renewed July 1, 1944.

186,413. **STEER-BAX.** LEATHER BELTING. Registered July 8, 1924. HARRIS E. WHITING, doing business as Whiting Leather and Belting Company, Long Island City, N. Y. Renewed July 8, 1944, to Whiting Leather & Belting Co., Incorporated, New York, N. Y., a corporation of New York, successor.

186,424. **REPRESENTATION OF A SPINNING WHEEL.** LINEN AND COTTON GOODS IN THE PIECE, TABLECLOTHS, NAPKINS, HANDKERCHIEFS, BED LINENS, TOWELS, DOILIES, SATEENS, WASH FABRICS, FLANNELS, LACES OF COTTON AND LINEN IN THE PIECE, BEDSPREADS, BLANKETS OF WOOL, COTTON, AND MIXTURES OF THE SAME, COMFORTABLES, FANCY LINENS, CENTERPIECES, FANCY LINEN SCARFS FOR FURNITURE, AND OTHER CERTAIN NAMED PIECE GOODS. Registered July 8, 1924. JAMES MCCUTCHEON & COMPANY, New York, N. Y., a corporation of New York. Renewed July 8, 1944.

186,453. **OLD MISSION.** GINGER ALE. Registered July 8, 1924. SOUTHWESTERN COCA-COLA BOTTLING COMPANY, Deming, N. Mex. Renewed July 8, 1944, to Mission Dry Corporation, Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments.

187,302. **"NITE AND DAY".** FACE POWDERS AND ROUGES. Registered July 29, 1924. LIONEL TRADING CO. INC. Renewed July 29, 1944, to Parfums Corday, Inc., New York, N. Y., a corporation of New York, assignee.

187,369. **DAIRYLAND.** CLEANSING SODA COMPOUND. Registered August 5, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 5, 1944.

187,398. **"E" AND DESIGN.** GLOSS STARCH AND SALT. Registered August 5, 1924. THE EAVEY COMPANY, Xenia, Ohio, Fort Wayne, Richmond, and Huntington, Ind., and Sturgis, Mich. Renewed August 5, 1944, to The Eavey Co., Xenia, Ohio, and Richmond, Ind., a corporation of Ohio.

187,675. **"JOHNS-MANVILLE FRONT END TAPE" AND DRAWING.** GASKETING TAPE MADE OF ASBESTOS TEXTILE FABRIC. Registered August 12, 1924. JOHNS-MANVILLE, INCORPORATED. Renewed August 12, 1944, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

187,904. **FOR-GET-ME-NOT.** EVAPORATED MILK. Registered August 12, 1924. THE DEFIANCE DAIRY PRODUCTS COMPANY. Renewed August 12, 1944, to The Defiance Milk Products Company, Defiance, Ohio, a corporation of Ohio, successor.

187,962. **"E" AND DESIGN.** COFFEE, BREAKFAST CEREALS, PANCAKE FLOUR, BUCKWHEAT FLOUR, CANNED FRUITS AND VEGETABLES, PORK AND BEANS, DRIED BEEF, MINCEMEAT, OYSTERS, CANNED SALMON, CANNED MILK, CANDY, KRAUT, PIMENTO, CATCHUP, NUT BUTTER, APPLE BUTTER, PREPARED MUSTARD, CHILLI POWDER, MUSTARD AND PEPPERS, CORNSTARCH. Registered August 12, 1924. THE EAVEY CO., Xenia, Ohio. Renewed August 12, 1944, to The Eavey Co., Xenia, Ohio, and Richmond, Ind., a corporation of Ohio.

188,158. **RADIO.** BACON. Registered August 19, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 19, 1944.

188,686. **FIT-REX.** COMBINATION OF DESICCATED HYPOPHYSIS CEREBRI AND EPINEPHRIN IN PHYSIOLOGICAL SALT SOLUTION AND CONTAINING CHLORBUTANOL (CHLOR. DER.) USED AS A LOCAL ANAESTHETIC IN THE TREATMENT OF ASTHMA, PNEUMONIA, HAY FEVER, PUT UP IN HYPOSOLS AND CAPSULE FORM. Registered September 2, 1924. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y., a corporation of New York. Renewed September 2, 1944.

188,687. **AURAZYME.** UNCOATED PULVEROUS TABLETS USED IN THE TREATMENT FOR DIABETES. Registered September 2, 1924. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y., a corporation of New York. Renewed September 2, 1944.

188,704. **BUDDIE.** CANNED VEGETABLES. Registered September 2, 1924. OCONOMOWOC CANNING COMPANY, Oconomowoc, Wis., a corporation of Wisconsin. Renewed September 2, 1944.

188,711. **ELECTRIC FURNACE-MAN.** ELECTRIC AUTOMATIC STOKERS. Registered September 2, 1924. DOMESTIC STOKER COMPANY, New York, N. Y. Renewed September 2, 1944, to Electric Furnace-Man, Inc., New York, N. Y., and Emmaus, Pa., a corporation of New York, assignee.

188,826. **THE RAINBOW.** NEWS AND LITERARY PUBLICATION PUBLISHED QUARTERLY. Registered September 2, 1924. DELTA TAU DELTA FRATERNITY, New York, N. Y. Renewed September 2, 1944, to Delta Tau Delta Fraternity, Indianapolis, Ind., a corporation of New York

188,842. **THE BUYER'S SECRETARY.** PERIODIC PUBLICATION, PUBLISHED IN THE SPRING AND FALL OF EACH YEAR. Registered September 2, 1924. BORIS M. BEDNEY, doing business as The Buyer's Secretary. Renewed September 2, 1944, to The Buyer's Secretary, Incorporated, New York, N. Y., a corporation of New York, successor.

189,169. **A FANCIFUL PICTURE OF A MAN.** MEN'S HATS. Registered September 16, 1924. MELVILLE SHOE CORPORATION, New York, N. Y., a corporation of New York. Renewed September 16, 1944.

189,170. **THOM McAN.** MEN'S HATS. Registered September 16, 1924. MELVILLE SHOE CORPORATION, New York, N. Y., a corporation of New York. Renewed September 16, 1944.

189,207. **TEENIE WEENIE.** CANNED VEGETABLES. Registered September 16, 1924. OCONOMOWOC CANNING COMPANY, Oconomowoc, Wis., a corporation of Wisconsin. Renewed September 16, 1944.

189,508. **CORDAY.** PERFUMES. Registered September 23, 1924. LIONEL TRADING CO. INC. Renewed September 23, 1944, to Parfums Corday, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

189,624. **SILENT GLOW.** OIL BURNERS. Registered September 23, 1924. THE SILENT GLOW OIL BURNER CORPORATION, West Hartford, Conn. Renewed September 23, 1944, to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut.

190,845. **CELLUCOTE.** FINISH IN THE NATURE OF A PAINT FOR METAL, WOOD, LEATHER, OR FIBER SURFACES. Registered October 28, 1924. DITZLER COLOR COMPANY, Detroit, Mich. Renewed October 28, 1944, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania, assignee.

190,926. **GOLDEN CORN.** PORK AND PORK PRODUCTS—NAMELY, BACON, HAM, AND LARD. Registered October 28, 1924. THE H. H. MEYER PACKING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed October 28, 1944.

190,947. **PRINCE DE MONACO.** CIGARETTES. Registered October 28, 1924. SOCIÉTÉ ANONYME ED. LAURENS "LE KHEDIVE" EXTENSION BELGE, Brussels, Belgium, an organized company of Belgium. Renewed October 28, 1944.

191,017. **FEMINAID.** CORSETS, GIRDLES, APRONS, BELTS, AND LADIES' BLOOMERS. Registered October 28, 1924. NATHAN LEVIN, Pittsburgh, Pa. Renewed October 28, 1944, to J. C. Penny Company, New York, N. Y., a corporation of Delaware, assignee.

191,249. **CRESTA.** BUTTER. Registered November 4, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 4, 1944.

191,316. **ERNST HEINRICH ROTH.** VIOLINS, VIOLAS, VIOLONCELLOS, BASS VIOLAS, PARTS THEREOF, AND BOWS AND STRINGS THEREFOR. Registered November 4, 1924. ERNST HEINRICH ROTH CO., INC., New York, N. Y. Renewed November 4, 1944, to Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio, assignee.

191,473. **"GOLD BOAT" AND DESIGN.** CANNED AND PRESERVED FISH. Registered November 11, 1924. ISAAC EPSTEIN. Renewed November 11, 1944, to I. Epstein & Sons, Inc., Newark, N. J., a corporation of New Jersey, successor.

191,603. **REPRESENTATION OF TWIN MUSICAL NOTES.** RADIO RECEIVING, DETECTING, AND TRANSMITTING SETS AND PARTS THEREOF; CRYSTAL RECEIVING SETS, REGENERATIVE RECEIVING SETS, RADIO AND AUDIO FREQUENCY AMPLIFIERS, LOUD SPEAKERS; DETECTOR, AMPLIFIER, TRANSMITTING, AND RECTIFYING VACUUM TUBES; VACUUM-TUBE SOCKETS, AND OTHER CERTAIN NAMED PARTS AND EQUIPMENT. Registered November 11, 1924. COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn. Renewed November 11, 1944, to Columbia Recording Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

191,632. **"COLUMBIA" AND DESIGN.** RADIO RECEIVING, DETECTING, AND TRANSMITTING SETS AND PARTS THEREOF; CRYSTAL RECEIVING SETS, REGENERATIVE RECEIVING SETS, RADIO AND AUDIO FREQUENCY AMPLIFIERS, LOUD SPEAKERS, DETECTOR, AMPLIFIER, TRANSMITTING, AND RECTIFYING VACUUM TUBES; VACUUM-TUBE SOCKETS, RADIO AND AUDIO FREQUENCY TRANSFORMERS, AND OTHER CERTAIN NAMED PARTS AND EQUIPMENT. Registered November 11, 1924. COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn. Renewed November 11, 1944, to Columbia Recording Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

191,698. **"KEYSTONE" AND DESIGN.** SOAP. Registered November 18, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 18, 1944.

191,760. **"BLUE RIBBON QUALITY" AND DRAWING.** INTERIOR AND EXTERIOR HOUSE PAINT, ROOF PAINTS, PAINT THINNERS, COLORS IN JAPAN, CEMENT-WATERPROOFING PAINT, CEMENT PAINTS, FLOOR WAX, PASTE PAINT, PAINT ENAMELS, WALL PAINT, COLORS IN OIL, PASTE-PAINT FILLERS, CEMENT-SEALER PAINT, AND ROOF-CEMENT PAINT. Registered November 18, 1924. SUNSET PAINT COMPANY, Los Angeles, Calif. Renewed November 18, 1944, to Pittsburgh Plate Glass Company of Michigan, Pittsburgh, Pa., a corporation of Michigan, assignee.

191,867. **BEACON.** COOKED TONGUE, COOKED MEAT ROLL, SAUSAGE, PICNICS, AND LUNCHEON TONGUE. Registered November 18, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 18, 1944.

191,987. **SAMSON.** MUSIC STANDS. Registered November 25, 1924. SIMSON & FREY, INC., New York, N. Y. Renewed November 25, 1944, to Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio, assignee.

192,005. **DOLLY GREY.** HOSIERY. Registered November 25, 1924. JAMES P. GREY & Co. Renewed November 25, 1944, to Grey Hosiery Mills, Hendersonville, N. C., a firm, assignee.

192,168. **UNIT.** SHOES OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC. Registered November 25, 1924. FIELD & FLINT CO., Boston and Brockton, Mass., a corporation of Massachusetts. Renewed November 25, 1944.

192,254. **GOLD-FLAME.** WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS IN THE PIECE, COMPRISED IN WHOLE OR IN PART OF SILK. Registered December 2, 1924. CHENEY BROTHERS, South Manchester, Conn., a corporation of Connecticut. Renewed December 2, 1944.

192,258. **WOODLAWN.** FRESH AND CURED PORK AND SAUSAGE. Registered December 2, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed December 2, 1944.

192,307. **WIDLAR'S CHOW-MAY.** SANDWICH SPREAD COMPRISING A MIXTURE OF EGGS, OIL, SALT, SUGAR, VEGETABLE, VINEGAR, AND SPICES. Registered December 2, 1924. THE WIDLAR COMPANY, Cleveland, Ohio. Renewed December 2, 1944, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

192,585. **STYLISH STOUT.** BOOTS, SHOES, AND SLIPPERS OF LEATHER AND FABRIC. Registered December 9, 1924. W. B. COON CO., Rochester, N. Y., a corporation of New York. Renewed December 9, 1944.

192,606. **CENTURY.** HATS FOR MEN, WOMEN, AND CHILDREN. Registered December 9, 1924. THE MALLORY HAT COMPANY, Danbury, Conn., a corporation of Connecticut. Renewed December 9, 1944.

192,607. **"ESTABLISHED 1823" AND DRAWING.** HATS FOR MEN, WOMEN, AND CHILDREN. Registered December 9, 1924. THE MALLORY HAT COMPANY, Danbury, Conn., a corporation of Connecticut. Renewed December 9, 1944.

192,608. **REFLEX.** HATS FOR MEN, WOMEN, AND CHILDREN. Registered December 9, 1924. THE MALLORY HAT COMPANY, Danbury, Conn., a corporation of Connecticut. Renewed December 9, 1944.

192,618. **STAR-E-GON.** CANNED FRUITS, CANNED BERRIES, CANNED VEGETABLES, FRUIT PRESERVES, JAMS, AND JELLIES. Registered December 9, 1924. STARR FRUIT PRODUCTS CO., Portland, Oreg., a corporation of Oregon. Renewed December 9, 1944.

192,862. **GALLIANO.** FRESH GRAPES. Registered December 16, 1924. O. H. CHURCHILL CO., Los Angeles, Calif., a corporation of California. Renewed December 16, 1944.

192,897. **YOLANDA.** CORN OIL. Registered December 16, 1924. C. F. SIMONIN'S SONS, INC., Philadelphia, Pa., a corporation of Delaware. Renewed December 16, 1944.

192,947. **"BATH" AND DRAWING.** TAPS AND DIES. Registered December 16, 1924. JOHN BATH & COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed December 16, 1944.

192,966. **AMBLUCO.** BLUE STONE TREADS, STAIR LANDINGS, SLABS USED TO FORM FLOORING, AND WALL BASES. Registered December 16, 1924. AMERICAN BLUE STONE CO., Warsaw and New York, N. Y. Renewed December 16, 1944, to American Blue Stone Co., Portageville, N. Y., a corporation of New York.

193,088. **"CUSHMAN".** CHUCKS. Registered December 16, 1924. THE CUSHMAN CHUCK COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed December 16, 1944.

193,167. **GORHAM.** ELECTRIC LAMPS AND ELECTROLIERS. Registered December 23, 1924. GORHAM MANUFACTURING COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed December 23, 1944.

193,185. **"MARKET DAY SPECIAL".** DRIED RAISINS AND DRIED FRUIT. Registered December 23, 1924. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif., an incorporated cooperative association of California. Renewed December 23, 1944.

193,191. **SANTA MARSALA VERONA CONCERTO.** ACCORDIONS. Registered December 23, 1924. C. BRUNO & SON, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,202. **WATAJOY.** CANNED FRUITS. Registered December 23, 1924. SCHUCKL & CO., INC., San Francisco, Calif. Renewed December 23, 1944, to Schuckl & Co., Inc., Sunnyvale, Calif., a corporation of California.

193,204. **MOHICAN.** FRESH CITROUS FRUITS—NAMELY, ORANGES. Registered December 23, 1924. RED FOX ORCHARDS. Renewed December 23, 1944, to Consolidated Orange Growers, Orange, Calif., a corporation of California, assignee.

193,207. **NEPTUNE.** SAUSAGE. Registered December 23, 1924. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed December 23, 1944.

193,212. **GOLIATH.** MOUTH HARMONICAS. Registered December 23, 1924. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,213. **X-L-O.** MOUTH HARMONICAS. Registered December 23, 1924. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,214. **DRUM MAJOR.** MOUTH HARMONICAS. Registered December 23, 1924. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,215. **LUCKY STRIKE.** MOUTH HARMONICAS. Registered December 23, 1924. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,216. **HAPPY DAYS.** MOUTH HARMONICAS. Registered December 23, 1924. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,217. **ATTA BOY.** MOUTH HARMONICAS. Registered December 23, 1924. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,218. **SPEAR.** MOUTH HARMONICAS. Registered December 23, 1924. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,219. **UNCLE SAM.** MOUTH HARMONICAS. Registered December 23, 1924. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,220. **JOLLY PALS.** MOUTH HARMONICAS. Registered December 23, 1924. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,226. **"H" AND DESIGN.** WEDDING RINGS. Registered December 23, 1924. ALFRED HUMBERT & SON, Philadelphia, Pa., a firm. Renewed December 23, 1944.

193,227. **"BRIDES CHOICE" AND DESIGN.** WEDDING RINGS. Registered December 23, 1924. ALFRED HUMBERT & SON, Philadelphia, Pa., a firm. Renewed December 23, 1944

193,232. **"BETTY BRAND NUTS ARE BETTER" AND DRAWING.** NUTS—NAMELY, SALTED NUTS, CANDIED NUTS, NUT MEAT. Registered December 23, 1924. BETTMAN NUT CO., INC. Renewed December 23, 1944, to Bettman Nut Co., New York, N. Y., a firm, successor.

193,254. **"TMC" AND DESIGN.** AUTOMOBILE DOME LIGHTS AND CORNER LIGHTS. Registered December 23, 1924. TERNSTEDT MANUFACTURING COMPANY. Renewed December 23, 1944, to General Motors Corporation, Detroit, Mich., a corporation of Delaware, assignee.

193,257. **"GLOBE LIGHTING FIXTURE MFG. COMPANY" AND DRAWING.** ELECTRIC-LIGHTING FIXTURES AND PARTS THEREOF. Registered December 23, 1924. GLOBE LIGHTING FIXTURE MFG. COMPANY, New York, N. Y. Renewed December 23, 1944, to Globe Lighting Fixture Mfg. Company, Brooklyn, N. Y., a firm.

193,259. **"PRESTIGE" AND DESIGN.** MEN'S SUITS AND OVERCOATS. Registered December 23, 1924. CHAS. H. LIEBMAN & BRO., Philadelphia, Pa., a firm. Renewed December 23, 1944.

193,288. **TEMPO GRANDE.** BANJOS. Registered December 23, 1924. C. BRUNO & SON, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,292. **MAGNAVOX.** VACUUM TUBES. Registered December 23, 1924. THE MAGNAVOX CO., Oakland, Calif. Renewed December 23, 1944, to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware, assignee by mesne assignments.

193,293. **REPRESENTATION OF A LOUD SPEAKER HORN AND LION'S HEAD.** VACUUM TUBES. Registered December 23, 1924. THE MAGNAVOX CO., Oakland, Calif. Renewed December 23, 1944, to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware, assignee by mesne assignments.

193,320. **"BLACK PRINCE" AND DRAWING.** FISHLINES. Registered December 23, 1924. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed December 23, 1944.

193,322. **"CLIFF" AND DESIGN.** FOOTBALL COVERS. Registered December 23, 1924. JABEZ CLIFF & COMPANY LIMITED, Walsall, England, a British company. Renewed December 23, 1944.

193,339. **"ARNESTO SATIN FLAT PAINT" AND DESIGN.** READY-MIXED PAINTS FOR MARINE AND HOUSE, USED FOR INTERIOR AND EXTERIOR SURFACE. Registered December 23, 1924. ARNESTO PAINT CO., INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

REISSUES

AUGUST 29, 1944

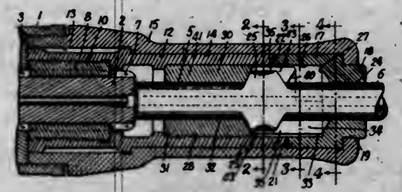
22,536

ROCK DRILL

John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Original No. 2,337,031, dated December 21, 1943, Serial No. 368,508, December 4, 1940. Application for reissue January 21, 1944, Serial No. 519,243

24 Claims. (Cl. 279—19.3)



1. In a rock drill chuck mechanism for use with a lugged drill steel, in combination, a rotating chuck sleeve, a member rotatable with said chuck sleeve and having an opening for receiving the shank and lugs of a drill steel, a recess within said member for receiving the drill steel lugs and within which said lugs are movable relative to said opening upon rotation of said drill steel, a driver member for receiving and driving the shank of said drill steel and rotatable with said chuck sleeve, projectiong portions formed on said driver member and providing abutment surfaces against which said lugs abut on predetermined movement of said lugs in said recess, and grooves in said driver member for receiving said lugs and holding said drill steel against rotation relative to said member.

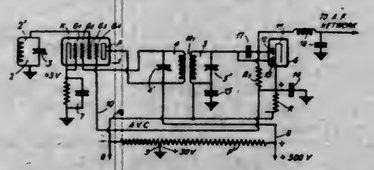
22,537

AUTOMATIC VOLUME CONTROL CIRCUITS

John F. Dreyer, Jr., Oceanside, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original No. 2,107,469, dated February 8, 1938, Serial No. 746,495, October 2, 1934. Application for reissue December 13, 1938, Serial No. 245,483

9 Claims. (Cl. 250—20)



1. In a signaling system, an electron discharge tube amplifier having a cathode, an output electrode, a waste electrode and a control electrode, an electron discharge tube detector coupled to the output circuit of said amplifier, said detector having at least a cold electrode and a cathode, means for causing the cathode electrode of said detector to become more positive in the presence of an amplified signal, a direct current connection between said control electrode and said detector cathode electrode, the amplifier output circuit being connected to said output electrode, means connecting said waste electrode to a point of substantially low alternating potential on said amplifier output circuit, means for maintaining the output and waste electrodes positive with respect to the control electrode, and the control electrode being so geometrically related to the output and waste electrodes that the mutual conductance between the output and control electrodes is reduced and that between the control and waste electrodes increased and the amplification of said amplifier is automatically decreased as the received signal amplitude increases.

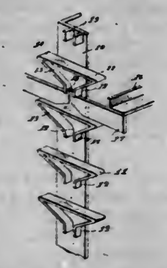
22,538

SHELF BRACKET SUPPORT FOR ADJUSTABLE AND RELEASABLE SHELVING

Frederick Kautz, Philadelphia, Pa.

Original No. 2,319,237, dated May 18, 1943, Serial No. 405,872, August 7, 1941. Application for reissue May 12, 1944, Serial No. 535,333

14 Claims. (Cl. 248—235)

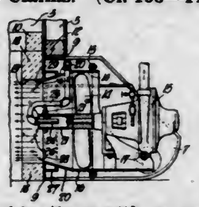


1. In a support for shelving, an upright support element, seat members fixed to the support element above each other, each seat member having a portion located transversely to the upright support element and having a downwardly extended portion stopping short of the seat member immediately therebelow, said transverse portion being of a length so as to extend beyond an upright edge of the support element, the terminal of said downwardly extended portion being located directly at the support element, and a shelf portion positioned upon one seat, of a height to engage the downwardly extended portion of the next adjacent seat.

PATENTS

GRANTED AUGUST 29, 1944

2,356,729
FORCED DRAFT BURNER FOR PORTABLE BOILER FLAME CHAMBERS
James W. Adams, Dallas, Tex., assignor to Oil Well Supply Company, a corporation of New Jersey
Application November 4, 1941, Serial No. 417,850
3 Claims. (Cl. 158—11)



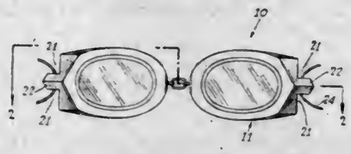
1. The combination with a portable flame chamber adapted to be disposed beneath the firebox of a locomotive type boiler as a continuation of said firebox, of a burner mounted at the front of said chamber and directed horizontally rearward thereof, said burner including a forced draft fan, a horizontal shroud about the fan, said flame chamber having a horizontal opening receiving the blast from the fan, a frusto-conical reducer connected with the shroud and terminating in an orifice at the opening in said flame chamber, said chamber opening terminating abruptly inwardly of the flame chamber, and means for injecting fuel into the air stream from the fan within said horizontal opening beyond the plane of said orifice, thereby forming a combustible mixture which upon ignition will burn in a horizontal path from front to rear of the flame chamber and thence in the firebox under the forced draft from the fan.

2,356,730
PREFABRICATED METAL DOORWAY
Claude I. Auten, Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company, a corporation of Tennessee
Original application May 3, 1943, Serial No. 485,486. Divided and this application May 11, 1943, Serial No. 486,572
3 Claims. (Cl. 189—46)



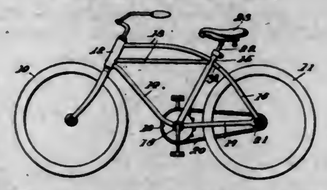
1. Prefabricated metal house construction, comprising upright wall supporting flanged members, sheet metal wall panels having flanges secured to said members, a pair of metal door jambs each bent to approximately Z-shape each having an extended channel portion in a plane parallel with said wall panels and clinched around a flange of a respective one of said members, another portion of each jamb at right angles to said extended portion being secured to another flange of said flanged member, a sill angle having an upstanding flange to which said upright wall members are secured, a portion of said upstanding sill flange being bent downwardly alongside said jambs and spanning the space between them to form a tread portion at the doorway defined by said jambs.

2,356,731
GOGGLE
Agaton Aris Balanon, Kalaheo Kauai, Territory of Hawaii
Application April 17, 1943, Serial No. 483,385
1 Claim. (Cl. 2—14)



A solid wooden goggle frame of substantial and non-uniform thickness comprising a front flat surface and having a through opening, said front surface having an annular groove, a window seated in said groove, means holding said window in its grooved seat, said frame further having a rear surface grooved rearwardly and downwardly, said rear surface being inclined forwardly and downwardly forming an edge to fit the face of the user around the eye, said through opening converging towards the rear of the frame, said frame having notches on the opposite sides of the outer edges thereof forming a wall, said wall having an aperture, and a string in said aperture for attaching the goggle frame around the head of a wearer.

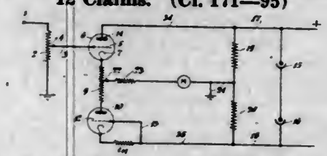
2,356,732
METHOD OF FORMING SEAT MAST CLUSTERS AND LIKE STRUCTURES, AND PRODUCT THEREOF
Charles P. Ball, Jr., Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a corporation of Maine
Application November 17, 1941, Serial No. 419,490
7 Claims. (Cl. 280—281)



2. A seat mast construction for bicycles and like frames, which comprises a seat mast, a con-

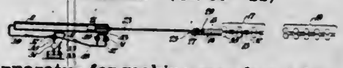
necting member welded at its front end to the mast and having a bifurcated rear end, and upper fork tubes welded to the ends of the bifurcations; said bifurcations and fork tubes having internal cavities providing annular cross sections with internal and external shapes and sizes which are essentially identical, and being welded together for the areas of said cross sections.

2,356,733
ELECTRONIC VOLTMETER AND OHMMETER
John Richard Banker, Passaic, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application April 24, 1943, Serial No. 484,499
12 Claims. (Cl. 171—95)



1. In a device of the character described, a bridge comprising two vacuum tubes connected in series, each tube having an anode, a grid and a cathode, a resistance between the cathode of one of said tubes and the plate of the other one, a resistance in the cathode circuit of said other tube, and a meter adjustably connected between a point on said first named resistance and ground.

2,356,734
TUBE MILL
Bryant Bannister, Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey
Application August 14, 1941, Serial No. 406,894
9 Claims. (Cl. 80—11)



1. Apparatus for making seamless tubes, which comprises, in combination, a continuous mill, a sinking mill, and means for delivering a pierced billet into the continuous mill, the mills and delivering means being in alignment, the said delivery means including a semi-floating mandrel bar adapted to enter the billet and support the same during its conversion into a tube in the continuous mill, the mandrel continuing its forward movement during working of the billet in the continuous mill, and means for retarding forward movement of the mandrel relative to the tube in the continuous mill, thereby causing the tube to be stripped from the mandrel in the mill, the said continuous mill and sinking mill being positioned sufficiently closely together to enable the tube to pass substantially and with continuous movement into the sinking mill before it has entirely cleared the continuous mill, and the said mandrel forming a support for the tube after it has cleared the continuous mill until substantially all of the tube has passed through the sinking mill, there being no interruption to continuity of movement of the tube between the continuous mill and the sinking mill.

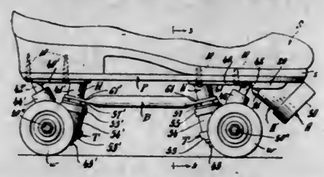
2,356,735
VENTILATOR
Glenn G. Bastian, Elsinore, Calif.
Application January 15, 1943, Serial No. 472,512
4 Claims. (Cl. 98—37)

1. A ventilator of the character described comprising a case including spaced inner and outer walls having a series of vertically elongated, air passages therein arranged in aligned pairs, and tubular baffles mounted vertically in the case,



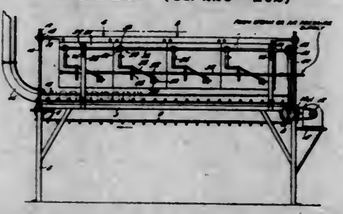
one between each pairs of aligned passages, said baffles being of a larger cross sectional area than said air passages.

2,356,736
ROLLER SKATE
Edward G. Blaes, Glendale, N. Y., assignor of one-third to Gordon V. Oldham, Summit, N. J., and one-third to Schuyler H. Rust, New Brunswick, N. J.
Application July 22, 1942, Serial No. 451,921
3 Claims. (Cl. 280—11.20)



2. In a roller skate, the combination of a one-piece sole plate having a size, shape and configuration conforming substantially identically to the size, shape and configuration of a skate shoe sole, means fixedly securing the sole plate to the skate shoe sole, and a toe stop means secured to the toe end of said one-piece sole plate, said stop means comprising a base plate fixedly secured to the bottom face of the toe plate at the toe end thereof, said base plate being provided with an extension extending downwardly and towards the toe end of the sole plate at an angle of about 45° the forward end of said extension being plane surfaced and lying in a plane normal to the axis of the extension and a plane surfaced bumper member comprised of resilient material secured to the forward end of said extension, the plane surface of said bumper member lying in a plane substantially normal to the axis of said extension and appreciably beyond the toe end of said sole plate.

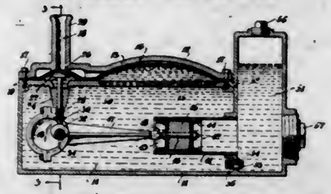
2,356,737
CAN FILLING MACHINE
Thomas Warren Bland, San Jose, Calif., assignor of one-fourth to Roy Elliot Cavins, San Jose, Calif.
Application December 8, 1941, Serial No. 422,157
2 Claims. (Cl. 226—102)



1. A can filling machine comprising a frame having a conveyor operatively mounted thereon, posts rising from the frame, a hopper having a discharge spout, supports securing the hopper

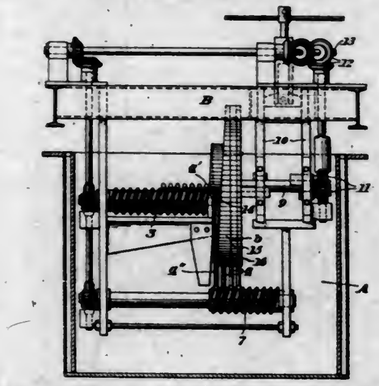
on the posts for vertical adjustment of the spout relative to a can positioned on the conveyor, a proportionating valve mounted in the spout for horizontal sliding movement to control discharge of material from the hopper, a fluid pressure supply pipe communicating with the valve, a fluid control valve in the pipe, a wall mounted for horizontal sliding movement in the hopper, a reciprocable member, and means connecting the proportionating valve and the fluid control valve, as well as the movable wall to said reciprocable member for actuation by said member.

2,356,738
PUMP
Hans C. Brugger, Orangeburg, N. Y.
Application February 12, 1943, Serial No. 475,598
12 Claims. (Cl. 103—44)



1. A pump comprising in combination, a flexible pumping element; means associated therewith forming a pumping chamber having an inlet and an outlet port over which ports said flexible element extends; movable valve members arranged to deflect the flexible element to open and seal said ports; a volume of liquid acting on said flexible element for flexing said element; a movable piston acting on said liquid; and means for jointly moving said piston and positively moving said valve members.

2,356,739
SINKER DEVICE FOR CONTINUOUS GALVANIZING APPARATUS
Knut A. Ericsson, Elyria, Ohio, and Walter T. Mahla, McKeesport, Pa., assignors to National Tube Company, a corporation of New Jersey
Application June 24, 1942, Serial No. 448,308
5 Claims. (Cl. 91—12.7)



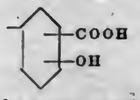
5. In apparatus for continuously galvanizing pipes and the like including a tank, the combination with conveyor means for conveying the pipes forwardly and downwardly endwise into said tank combined with a lateral movement of said pipes, of a rotary sinker device rotatable about a horizontal axis and positioned in the path of travel of the elevated rear portions of the individual pipes, said device having a circumferential spiral cam surface whose radial dimension increases to a maximum corresponding to the total submergence travel of said pipe portions, said cam being rotatable in a direction providing the surface travel thereof in the direction of forward travel of the pipes, said cam surface also being progressively extended in the direction of lateral travel of the pipes for continued contact of the latter and said surface during such depression and combined movement of said pipes.

2,356,740
MORDANT DYESTUFFS AND A PROCESS FOR THEIR MANUFACTURE
Karl Glenz and Franz Neitzel, Basel, Switzerland, assignors to the Swiss firm of Durand & Huguenin, A. G., Basel, Switzerland
No Drawing. Application April 21, 1942, Serial No. 439,944. In Germany March 19, 1941
7 Claims. (Cl. 260—438)

1. The mordant dyestuff which is produced by the reaction, in an acid medium, between a compound of the formula

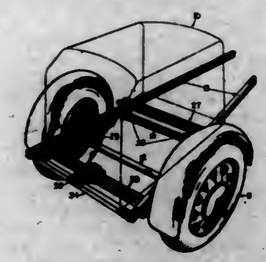


wherein R' represents a radical of the group consisting of phenyl, carboxyphenyl, methylphenyl and



and a member of the group consisting of the copper compounds of nitroso-salicylic acid and the nitroso-cresotinic acids.

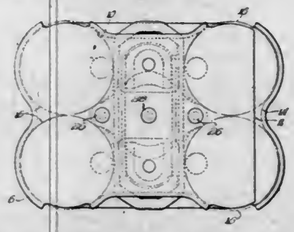
2,356,741
TRAILER
Lawrence Hathaway, Coventry, England, assignor to Coventry Climax Engines Limited, Coventry, England
Application December 1, 1941, Serial No. 421,216
In Great Britain January 15, 1941
1 Claim. (Cl. 280—33.4)



A trailer chassis including a pair of straight longitudinals which diverge (in plan view) from the towing end and which also slope downwardly from the towing end towards the rear end, upper and lower plates securing the longitudinals together at the towing end, two main cross members each formed of a pair of channel irons disposed with their flanges directed towards one another,

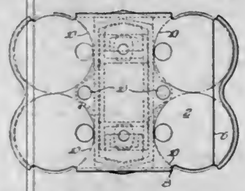
the front main cross member being secured to the underside of the longitudinals and extending laterally beyond both longitudinals, t' rear main cross member being level with the adjacent portions of the longitudinals, a through axle passing beneath the longitudinals, and fore-and-aft laminated springs connected intermediate their ends to the axle, the forward ends of the springs being connected to the extending portions of the front main cross member and the rear ends of the springs being connected to the underside of the longitudinal where the rear main cross member is secured.

2,356,742
SPRING GROUP
Fred E. Bachman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 21, 1941, Serial No. 407,704
24 Claims. (Cl. 267—9)



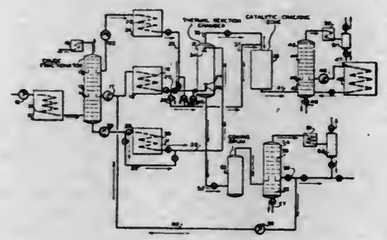
2. In a spring group for a railway car truck, top and bottom spring plates, coil springs between said plates at opposite ends thereof, and a friction device between said coil springs with spaced followers secured respectively to said plates, one of said followers having a yoke-like portion with spaced friction surfaces at opposite ends thereof, and the other of said followers being telescoped within said yoke portion and supporting therein friction shoes for engagement with the friction surfaces at opposite ends of said yoke portion, and resilient means urging said shoes into engagement with said surfaces, said resilient means comprising a coil spring associated with each friction shoe and another coil spring associated with both of said shoes.

2,356,743
FRICTION DEVICE
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 12, 1942, Serial No. 430,557
22 Claims. (Cl. 267—9)



1. In a spring group, top and bottom spring plates, a coil spring and a snubber confined between said plates with opposite followers of said snubber secured respectively to said plates, resilient means compressed between said followers, friction means at each end of said snubber comprising a friction wall on one follower, a friction shoe cavity on the other follower supporting a pair of friction shoes in engagement with said wall, a resilient member compressed within said cavity between a wall thereof and said shoes and operative to urge said shoes apart into engagement with opposite walls of said cavity and also operable to urge each of said shoes into engagement with said friction walls, and shoulders on said shoes engaging a lug on said friction wall as interlocking means for said member.

2,356,744
COMBINATION CATALYTIC AND THERMAL CRACKING
Joseph Mason Barron, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 2, 1943, Serial No. 493,206
7 Claims. (Cl. 196—49)

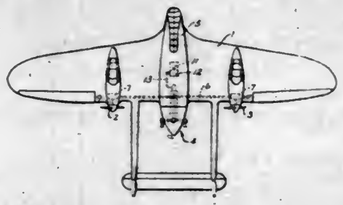


1. In the combination thermal and catalytic cracking of hydrocarbon oils the process that comprises passing hydrocarbon oil through a heating zone wherein it is heated to a cracking temperature and subjected to thermal cracking, introducing a portion of the resultant heated products into the lower portion of a vertically disposed reaction chamber, introducing a higher boiling hydrocarbon oil to the upper portion of the vertically disposed reaction chamber to flow countercurrently to the upwardly rising vapors therein, maintaining a cracking temperature in said reaction chamber and separating vapors from residue therein, passing the separated vapors to a catalytic cracking zone wherein the vapors are contacted with a catalyst and subjected to catalytic cracking, and combining the other portion of the heated products from said heating zone with the vapors passing to the catalytic cracking zone to control the temperature therein.

2,356,745
POLYHYDRIC ALCOHOL ESTERS
Robert H. Barth, Rochelle Park, and Harry Burrell, Clifton, N. J., assignors, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 8, 1941, Serial No. 378,052
8 Claims. (Cl. 260—488)

1. A composition of matter composed essentially of an ester of a polyhydric alcohol selected from the group consisting of pentaerythritol, polypentaerythritols and mixtures thereof, in which substantially all of the hydroxyl groups have been esterified by saturated organic short chain acid radicals, certain of said hydroxyl groups being esterified by one variety of said short chain acid radicals and the others by a different variety of said short chain acid radicals.

2,356,746
JET PROPULSION DEVICE
Homer A. Boushey, Hamilton Field, Calif.
Application February 26, 1942, Serial No. 432,447
11 Claims. (Cl. 244—73)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



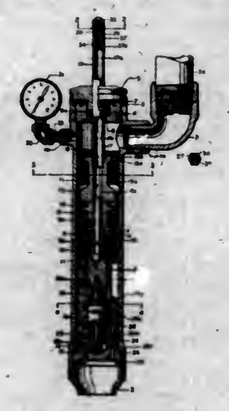
1. A jet propulsion device for aircraft comprising a plurality of radially disposed arms mounted for rotation about a central axis, a rocket motor mounted on the outer end of each of said arms, a feathering propeller adapted to be rotatably driven by said arms as the latter rotate, clutch means for interrupting the drive of said propeller by said arms, and means for so controlling said motors as to cause the latter to impart to said arms either a rotation about said central axis, a thrust parallel to said central axis, or any desired combination of the two whereby with the motors controlled so as to produce a thrust parallel to said central axis, with the clutch disengaged, and with the propeller feathered, jet propulsion of the aircraft may be effected.

2,356,747
CLEANING COMPOSITION AND PROCESS
Max I. Bowman and Howard Packer, Dayton, Ohio
No Drawing. Application February 12, 1943, Serial No. 475,674
3 Claims. (Cl. 252—111)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. The process of cleaning machinery parts and similar hard surfaces of foreign matters such as carbon, grease, paint, dirt and the like which process consists of applying thereto a composition comprising the following chemicals in the following proportions by volume: neutral coal tar oil, approximately 40 percent; monoethanolamine, approximately 15 percent; oleic acid, approximately 15 percent; ethylene glycol, approximately 15 percent; ortho-toluidine, approximately 15 percent; ethyl silicate, approximately .5 percent; and phosphoric acid, approximately .5 percent, and thereafter removing the reaction product resulting from the applied composition in combination with the said foreign matters to be removed.

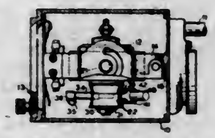
2,356,748
PRESSURE REGULATOR
Alexander Boynton, San Antonio, Tex.
Application September 13, 1941, Serial No. 410,781
15 Claims. (Cl. 50—23)

8. In a pressure regulator: a housing nipple having fluid pressure inlet and discharge connections; means within said nipple responsive to fluid pressure in said discharge connection; valve means connected to said pressure responsive means; and means within said pressure responsive means limiting the action thereof and of such character that the fluid pressure at which said valve means controls fluid flow may be varied; orifice containing means connected to said pressure responsibe means and constructed



to adjust the pressure therewithin, whereby fluid flow past said valve means is controlled by the fluid pressure within said discharge connection.

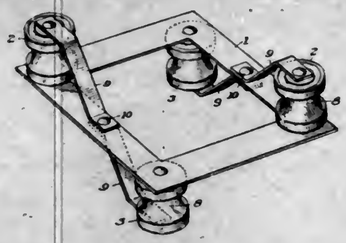
2,356,749
GYROSCOPIC ERECTION DEVICE
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 30, 1941, Serial No. 424,917
9 Claims. (Cl. 74—5)



1. An erecting device for gyro-verticals comprising the combination with a universally supported gyroscope, of a rotatable erecting member for the gyroscope the vertical axis of which is coaxial with the center of gravity of the gyroscope, said member being unbalanced about its axis whereby it is rotated responsive to the force of gravity upon tilt of the gyroscope to bring its heavy side to the low side of the gyroscope, means for balancing said member when its axis is vertical, a guide extending across said member to one side of said axis, and gravity responsive means movable within said guide from a normally ineffective position to an effective torque applying position substantially 90 degrees from the low side of the gyroscope.

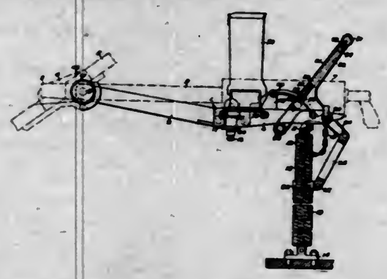
2,356,750
WIRE-TRANSPOSING DEVICE
Rogers Case, Orange, N. J.
Application February 9, 1943, Serial No. 475,286
5 Claims. (Cl. 174—33)

1. A position-transposing and balancing device for paired wires comprising a base, pairs of spaced insulators mounted on opposite sides of the base in approximately rectangular arrangement, the said pairs of insulators on each side of the base respectively being located at diagonally opposed angles of the approximately rec-



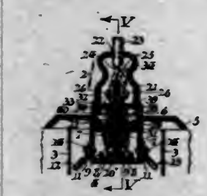
tangle formed by their arrangement cooperatively to receive by lateral insertion a continuous strung conductor wire trained thereon.

2,356,751
GUN MOUNT
Joseph M. Colby, United States Army, Lake Mills, Iowa
Application June 27, 1942, Serial No. 448,825
9 Claims. (Cl. 89—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a mounting for a gun, a cradle pivoted at one end to a support, an equilibrator on said support and coupled to the other end of said cradle, articulated linkage between said cradle and said equilibrator, and adjustable means interconnecting said linkage and said cradle for selectively retaining said cradle in a plurality of positions about its pivot.

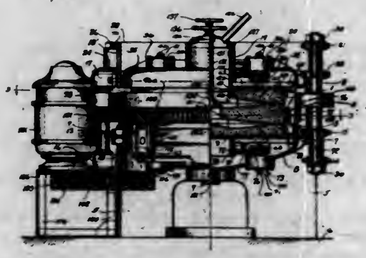
2,356,752
ELECTRIC PLUG AND RECEPTACLE
Harvey M. Deysher, Lansdale, Pa.
Application December 16, 1942, Serial No. 469,183
9 Claims. (Cl. 173—330)



1. An electric plug and receptacle comprising an insulating material hollow body; a similar material unit in said body with an elliptical-

section extension embodying spaced flats, for support of current-conductive terminals, and having an undulate-tapering free end; and a receptacle having a plug-in aperture of inclined elliptical contour for coaction with the free end of the plug extension, to impart rotary self-centering motion to said unit in respect to the receptacle aperture.

2,356,753
GRINDING MILL
Leonard Dotzer, Milton, Mass.
Application August 19, 1939, Serial No. 291,026
6 Claims. (Cl. 83—7)



1. A mill of the character described comprising a frame structure, a series of three stones arranged in the frame structure in face to face opposition and adapted for the reception of material between opposed surfaces for grinding, one of the outer stones and the central stone having central openings therein for the passage of material to the grinding surfaces, means for effecting an adjustment in spacing of the outside stones for a desired grinding clearance between stones of the series, means for retaining the outer stones against rotation, a rotating band encircling and fixed to the intermediate stone, means engaging the band for rotating the stone and guiding means mounted in the frame and engaging said driving band to retain the intermediate stone against eccentric shifting while permitting free floating action between the spaced outside stones.

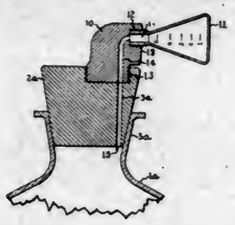
2,356,754
COMPOUNDED OIL
Bruce B. Farrington and James O. Clayton, Berkeley, and Dorr H. Etzler, Albany, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 15, 1942, Serial No. 458,452
15 Claims. (Cl. 252—39)

1. A composition of matter, comprising a major proportion of a hydrocarbon oil and a small amount, sufficient to improve the oil, of a metal alkyl carboxylate substituted on an alpha, beta or gamma alkyl carbon atom with respect to a metal alkyl carboxylate group by a substituent containing pentavalent phosphorus.

2,356,755
DISPENSER FOR LIQUIDS
Oscar M. Faszkas, Ann Arbor, Mich., assignor to Universag Technische A. G., Glarus, Switzerland, a corporation of Switzerland
Application January 16, 1941, Serial No. 374,777
2 Claims. (Cl. 222—417)

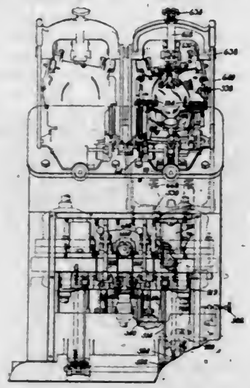
1. A distributor for liquids comprising a stopper removably engageable in the neck of a bottle

and formed with a discharge duct extending from the inner end to the outer portion of the stopper, a connecting element rotatively mounted on the stopper and formed with a passage



adapted to be connected with or disconnected from said duct by rotation of said element, and a small container detachably mounted on said element in communication with said passage.

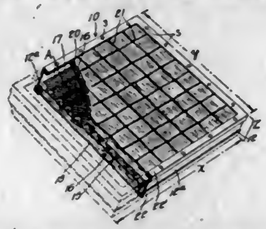
2,356,756
MACHINE FOR PRESSING SOLES UPON SHOE BOTTOMS
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 4, 1942, Serial No. 457,272
106 Claims. (Cl. 12—33)



1. In a cement sole attaching machine, the combination of a pad to receive an unattached sole, equally and oppositely movable gages to engage the edge face of the sole in the vicinity of the end of the ball line, and equally and oppositely movable gages to engage corresponding portions of a shoe placed on the sole, said shoe gages being arranged to be closed yieldingly by movement of the sole gages.

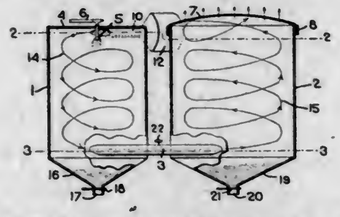
2,356,757
AIR CONDITIONING APPARATUS
Walter L. Fleisher, New City, N. Y.
Application December 10, 1941, Serial No. 422,319
2 Claims. (Cl. 183—47)

1. In a device of the character described a unit cell adapted for support at an angle with the horizontal and comprising a frame, an apertured retaining member spanning the open area of one face of said frame, a layer consisting of a plurality of elongated oriented filamentary members, each spanning said frame between its upper and lower edges, a corrugated, apertured, resilient member overlying said layer, a second layer consisting of a plurality of oriented filamentary members, each spanning said frame between its upper and lower edges, an apertured retaining member



overlying said last-named layer and spanning the open area of said frame, the thicknesses of said layers and said dimensions of said resilient member being so admeasured as to maintain the members of said layers under compression between said apertured retaining members.

2,356,758
APPARATUS FOR DEHYDRATING LIQUID COATING PRODUCTS AND THE LIKE
Paul M. Fleuriel, Stow, Mass., assignor to Union-Baystate Co. Inc., Cambridge, Mass., a corporation of Massachusetts
Application December 4, 1942, Serial No. 467,851
3 Claims. (Cl. 159—4)

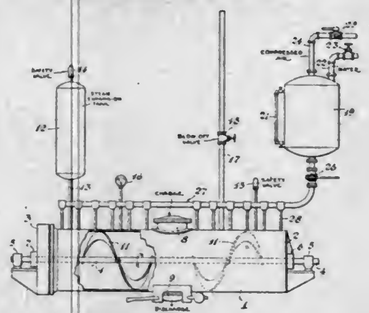


2. A dehydrating apparatus comprising a primary cylindrical dehydrating chamber, means to deliver heated gaseous drying medium under pressure into the upper end of said chamber in a tangential direction, means to deliver the liquid to be dehydrated into the upper end of said chamber in the form of a spray, a secondary cylindrical dehydrating chamber of larger diameter than that of the primary dehydrating chamber, and a conduit connecting the lower end of the primary dehydrating chamber to the lower end of the secondary dehydrating chamber and having a tangential relation to the latter.

2,356,759
COLOR PHOTOGRAPHIC MATERIAL AND PROCESS FOR PRODUCING SAME
Béla Gáspár, Hollywood, Calif., assignor to Chromogen, Incorporated, a corporation of Nevada
No Drawing. Application August 27, 1940, Serial No. 354,443. In Great Britain August 28, 1939
12 Claims. (Cl. 95—6)

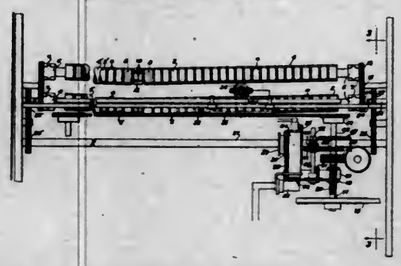
1. A photographic material comprising at least two superposed colloid layers, at least one of the layers comprising a light-sensitive silver halide emulsion layer and at least one layer containing therein a water or alkali soluble dye which has a polymeric structure $(—A—Aryl—)_n$ formed by identical members A-Aryl wherein A stands for a chemical group that links the Aryl radicals together and n stands for an integer greater than one, each of the members A-Aryl carrying an azo group in a side chain with respect to the polymeric structure and the dye being substituted by salt forming groups.

2,356,760
METHOD OF HYDRATING DOLOMITIC LIMES
William D. Garvin, Charlestown, W. Va., assignor to the Standard Lime and Stone Company, Baltimore, Md., a corporation of Maryland
Application January 31, 1941, Serial No. 376,919
4 Claims. (Cl. 23—188)



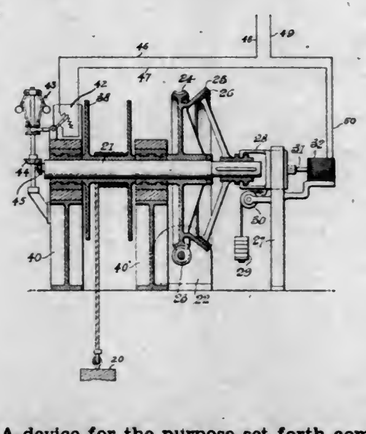
1. The method of hydrating in one treatment both the calcium oxide and the magnesium oxide constituents of dolomitic lime which comprises reacting such lime with a quantity of water in a closed volume, the water being so rapidly introduced and mixed with the lime as substantially to suppress local intense reactions, and the quantity of water and the volume being so chosen that the heat of reaction develops a maximum steam pressure of about 140 pounds per square inch gauge; continuing the reaction while stirring the lime and water together until the steam pressure falls to about 80 pounds per square inch gauge; and then venting said volume rapidly.

2,356,761
AREA MEASURING MACHINE
John L. Jones, Billerica, and James W. Farmer, Watertown, Mass., assignors to Stockton Profile Gauge Corporation, Lowell, Mass., a corporation of Massachusetts
Application August 23, 1940, Serial No. 353,786
18 Claims. (Cl. 33—123)



1. That improvement in methods of measuring the area of a work piece, comprising the steps of scanning successive increments of area of said work piece, continuing said work scanning operation until the entire work piece to be measured has been scanned, creating electrical pulses in an electric circuit, each pulse corresponding to a known unit of area so scanned, utilizing said pulses in integrating said units, and controlling the integrating operation by the passage of the scanning beam on and off the work piece.

2,356,762
HOIST
John Kalix, Dayton, Ohio
Original application February 9, 1942, Serial No. 430,038. Divided and this application October 23, 1942, Serial No. 463,083
2 Claims. (Cl. 192—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

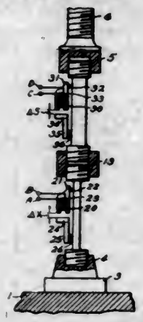


1. A device for the purpose set forth comprising a rotatably mounted shaft, a hoisting drum rigidly connected to said shaft and adapted to elevate and lower a gate, a driving clutch member including a worm wheel rotatably mounted upon said shaft, a driven clutch member provided with a grooved sleeve, slidably keyed to said shaft and adapted to rotate therewith, a motor driven worm gear in mesh with said worm wheel adapted to rotate said drum upon frictional engagement of said clutch members, a clutch operating member connected to said driven clutch member, an adjustable weight and a solenoid connected to said clutch operating member and adapted to move said driven clutch member respectively into and out of frictional engagement with said driving clutch member, a governor operatively connected to said shaft, a current controller connected to be operated by said governor for controlling the energization of said solenoid and thereby regulating the speed of said drum.

2,356,763
METHOD AND MEANS FOR TESTING MATERIALS
George Keinath, Larchmont, N. Y.
Application April 10, 1943, Serial No. 482,585
10 Claims. (Cl. 265—12)

1. The method of testing materials which comprises connecting a specimen to be tested with a standard piece, subjecting both simultaneously to the same stress below the yield point of the standard piece and below the yield point of the specimen when in sound condition, translating the strain produced by said stress in the specimen

and the standard piece into two corresponding electric magnitudes, and measuring the differen-



tial value of said two magnitudes in dependence upon the stress as a measure of the quality of the specimen to be tested.

2,356,764

METHOD FOR PRODUCING FILM-FORMING DIAMINE-CARBON DISULPHIDE CONDENSATION PRODUCTS

Rudolf Kern, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian

No Drawing. Application March 30, 1940, Serial No. 326,967. In Germany April 5, 1939

1 Claim. (Cl. 260—2)

A process of producing film-forming condensation products which comprises condensing butane-diol-1.4-di-normal propyl ether-ω-ω'-diamine with carbon disulphide to form the corresponding monoamino dithiocarbamic acid, dissolving the said acid in caustic soda solution of about 25%, and then heating the formed clear solution to boiling until a water-insoluble film-forming condensation product is formed and separates from the solution.

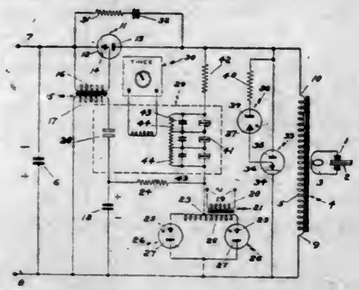
2,356,765

WELDING SYSTEM

Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application October 23, 1942, Serial No. 463,301

11 Claims. (Cl. 328—1)



1. An electrical system comprising a transformer provided with input and output connections, an output circuit connected to the output of said transformer, means for supplying to the input of said transformer a pulse of current having a substantial direct current component for individual operation whereby a corresponding pulse of current appears in said output circuit, and means operative when said pulse of current in the output circuit has fallen to a relatively low value for supplying current to the input of said transformer in a direction opposite to the pulse of current supplied to the input of the transformer whereby the decrease of said pulse of current in the output circuit is rapidly accelerated.

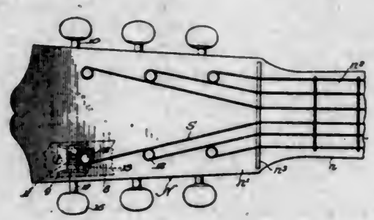
2,356,766

TUNING HEAD FOR STRINGED INSTRUMENTS

John E. Kluson, Chicago, Ill.

Application April 10, 1943, Serial No. 482,542

1 Claim. (Cl. 84—306)



A tuning head adapted for use on a musical instrument neck having a cylindrical hole therethrough, and comprising a mounting plate fitting and secured against one side of the neck and having formed therein a gear shaped hole the small end of which faces toward the inner end of the neck and is in concentric relation with, but of less dameter than, the hole in the neck, and the large end of which faces the outer end of the neck, is of approximately the same diameter as the hole in the neck, and is partially offset with respect to the last mentioned hole, a rotatable worm mounted adjacent the outer face of, and in parallel relation with, the plate, positioned across the large end of the hole in the plate and provided with turning means, a spindle of slightly less diameter than the hole in the neck and provided therein with an annular groove the diameter of which approximates the diameter of the small end of the hole in the plate, adapted to be inserted through the large end of the hole in connection with assembly of the head and while the mounting plate is disconnected from the neck and then when the groove is in registry with the hole in the plate to be shifted laterally into an operative position wherein it extends at right angles to the plate and worm and the groove is in seated relation with the portion of the mounting plate that defines the small end of the hole, and further adapted after being shifted into its operative position and while mounted on the plate on the neck to fit loosely in the hole in the neck, and having one end thereof projecting beyond the side of the neck that is opposite the mounting plate and provided with means for anchoring one end of a string and its other end projecting outwards of the plate, and a flat stamped metal worm gear having a thickness corresponding to approximately half the diameter of the worm, mounted permanently on said other end of the spindle and arranged so that when the spindle is in its operative position it is spaced from the plate and is in meshing and centered relation with the worm.

2,356,767

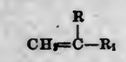
PROCESS OF PRODUCING POLYMERIC MATERIALS

Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 26, 1940, Serial No. 331,756

7 Claims. (Cl. 260—32)

1. A process which comprises polymerizing a substance selected from the group consisting of compounds of the following general formula and isomers thereof:



where R is selected from the group consisting of hydrogen and methyl, where R_1 is selected from the group consisting of —CN and



where R_2 is selected from the group consisting of hydrogen, alkyl, alkaryl, cycloalkyl and



and where R_3 and R_4 are selected from the group consisting of hydrogen and organic radicals, in an aqueous solution containing at least 65% of a zinc salt, said zinc salt being selected from the group consisting of zinc chloride, zinc bromide and zinc iodide.

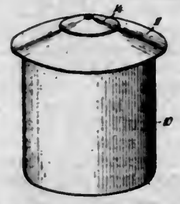
2,356,768

BUILDING CONSTRUCTION

Aaron A. Ladon, Evanston, Ill., assignor to Masonite Corporation, Laurel, Miss., a corporation of Delaware

Application June 22, 1942, Serial No. 447,912

15 Claims. (Cl. 108—32)



1. A roof structure comprising a relatively thin single sheet of building board so stressed that it forms substantially a right circular cone whereby the roof structure is self supporting and capable by itself of withstanding a substantial load.

2,356,769

WASHING GRAVEL OUT OF PERFORATE WELL CASINGS

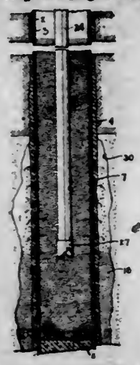
Leslie A. Layne, Houston, Tex.

Application December 4, 1939, Serial No. 307,467

12 Claims. (Cl. 166—26)

4. A method of forming a double filter pack of granular material in a well bore having a perforated casing therein which comprises depositing a body of such material inside the casing, washing some of the material outwardly through the perforations with an agitating liquid, and washing a strainer into the granular material inside the casing.

10. A method of providing a filter pack about a perforate pipe anchored in a well bore which comprises circulating a granular material from the inside to the outside of the casing through the perforations, depositing such material about



the pipe as a filter, discontinuing circulation so as to leave a filter pack of granular material inside of the pipe, and arranging a strainer pipe inside of the filter pack within the casing to receive the fluid being produced.

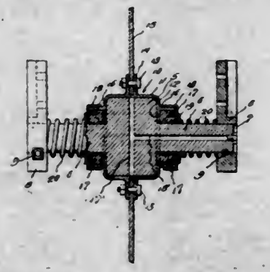
2,356,770

COLTER

Henry E. Lohman, Salina, Kans.

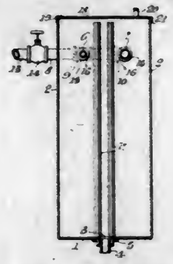
Application February 2, 1943, Serial No. 474,485

1 Claim. (Cl. 308—19)



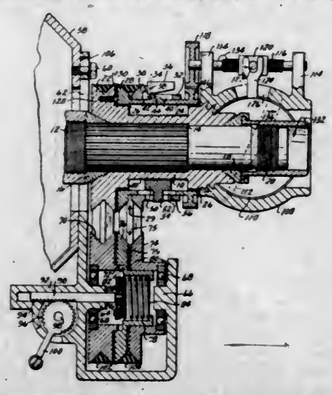
In a journal for colters, a substantially cylindrical bearing member, shafts integral with said member and provided with grooves, hangers of an agricultural implement provided with openings to receive the shafts, bolts carried by the hangers and extending into the grooves, a journal housing rotatably supported by said member and including an annular wall and end walls contacting the bearing member and the shafts, said housing being of sectional formation and having annular flanges, fasteners detachably connecting the flanges and employed for securing thereto a colter blade, sleeves integral with the end walls of said housing and surrounding and spaced from the shafts to form a packing chamber, packing in said chamber in contact with the shafts, caps telescoping over the sleeves for closing said chamber and supported by the shafts and sleeves, springs supported by the shafts and acting to retain the caps on the sleeves, said bearing member and one of the shafts having connecting lubricant passages with one of the passages opening through walls of the bearing member, and a lubricant fitting mounted in one of the shafts and connecting with one of the passages.

2,356,771
STENCIL WASHING APPARATUS
Rex V. McKinley, Vicksburg, Miss.
Application January 3, 1942, Serial No. 425,509
3 Claims. (Cl. 141—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A stencil cleaning apparatus comprising a tank, vertically disposed channel guides attached to the inner surfaces of opposite sides of said tank, a stencil holder adapted to be slidably fitted within said channel guides, said stencil holder comprising a rectangular frame, a wire screen attached to said frame and studs projecting from the upper portion of said frame adapted to support a stencil adjacent said screen, spray pipes of larger and smaller diameter bridging said opposite sides of said tank adjacent the upper ends of said channel guides, said spray pipes being provided with spray holes adapted to direct streams of cleaning fluid diagonally downwardly against the opposite surfaces of the stencil at greater and lesser rates of flow corresponding respectively with their diameters, so as to impinge said surfaces with a minimum of splash, and a drain pipe connected to the bottom of said tank to drain off the cleaning fluid.

2,356,772
AIRCRAFT PROPELLER
Robert C. Magee, Dayton, Ohio
Application June 7, 1943, Serial No. 489,945
29 Claims. (Cl. 170—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Pitch control mechanism for a variable pitch propeller which has a propeller shaft, a propeller hub fast on said shaft, a laterally extending bearing boss integral with said hub, and a propeller blade having rotative bearing in said boss, said mechanism comprising, in combination, an arm extending laterally from said blade, a blade adjusting screw having its axis parallel to the propeller shaft axis, bearings for said blade adjusting screw carried on said boss, a nut on said screw, means for connecting said nut to said arm, whereby rotation of said screw adjusts the pitch of said blade, a non-adjustable V belt-pulley fast on said hub for synchronous rotation therewith, an adjustable V belt-pulley freely rotatable on said hub, a centrifugal weight carried by the adjustable V belt-pulley structure adapted to swing outward and thereby adjust the belt track of said adjustable V belt-pulley to its maximum diameter, gearing drivably connecting said adjustable V belt-pulley to said blade adjusting screw, screw threads formed on the propeller hub, a nut on said screw threads, a key extending from said nut, shoulder means on said adjustable propeller-hub pulley engageable by said key to adjust said pulley to normal diameter after a predetermined blade angle has been reached, a countershaft spaced apart from, but axially parallel to, said propeller shaft, a non-adjustable V belt-pulley and an adjustable V belt-pulley on said countershaft connected together for unitary rotation, a V belt encircling the adjustable propeller hub pulley and the adjustable countershaft pulley, a V belt encircling the non-adjustable propeller hub pulley and the non-adjustable countershaft pulley, spring means under stress urging the adjustable countershaft pulley to assume maximum belt-track diameter, and manual means for varying the stress of said spring.

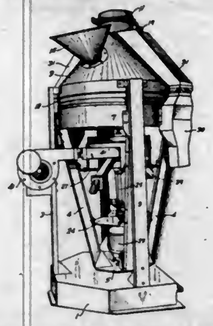
2,356,773
PREPARATION OF SOLS
Morris D. Marshall, Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 30, 1942, Serial No. 441,212
11 Claims. (Cl. 252—313)

1. The method of forming an aqua-organosol composed of a colloidal inorganic oxide, water and a relatively minor amount of organic solvents which comprises forming an aquasol containing a colloidal inorganic oxide and a dissolved inorganic salt, adding a sufficient quantity of a water-miscible organic solvent to precipitate the inorganic salt, removing the inorganic salt precipitated thereby, adding a sufficient quantity of a water-immiscible organic solvent to cause the separation of an aqua-organosol layer, and separating the aqua-organosol layer which forms.

2,356,774
PREPARATION OF SOLS
Morris D. Marshall, Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 30, 1942, Serial No. 441,213
10 Claims. (Cl. 252—313)

1. The method of forming an aquasol substantially composed of a colloidal inorganic oxide and water which comprises forming an aquasol containing a colloidal inorganic oxide and a dissolved inorganic salt, adding a water-miscible organic solvent capable of being boiled off from aqueous mixtures at temperatures below the boiling point of water in an amount sufficient to precipitate the inorganic salt, removing the inorganic salt precipitated thereby, adding additional water to the resulting organo-aquasol, and removing the organic solvent by distillation.

2,356,775
SEPARATOR
William H. Mechlin, Springfield, Ohio, assignor to The Bauer Brothers Company, Springfield, Ohio, a corporation of Ohio
Application April 11, 1941, Serial No. 388,136
20 Claims. (Cl. 209—467)



1. In a vibratory separating apparatus, a main frame including a base, an elevated hood and stationary supports for the hood, a gyratory frame mounted upon said base for oscillatory motion about a pivotal center at its bottom, a sorting table carried by the gyratory frame in elevated relation above the center of oscillation and beneath the hood, a discharge outlet at the center of the sorting table, an elevated cover therefor in spaced relation above the central discharge outlet affording an annular opening intermediate the periphery of the elevated cover and the margin of the discharge outlet, a second discharge outlet at the periphery of the table, a supply conduit for material to be operated upon extending within the hood into position substantially over the said elevated cover for the discharge outlet, and adjustable terminal for the supply conduit by which the space intermediate the outlet of the supply conduit and the elevated cover of the discharge outlet may be varied, an actuating motor, and an unbalanced rotary weight journaled in the gyratory frame and driven by the motor, by rotation of which the frame and sorting table are given oscillatory motion about said center of oscillation.

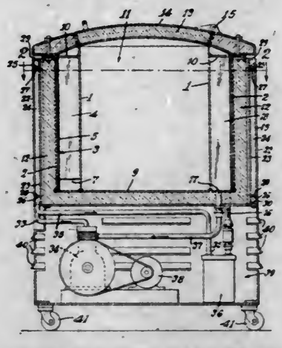
2,356,776
COMPOSITION FOR PREPARATION OF OIL BASE DRILLING FLUID
George Miller, San Marino, Calif., assignor to Demont G. Miller, Los Angeles County, Calif.
No Drawing. Application June 16, 1942, Serial No. 447,298
5 Claims. (Cl. 252—8.5)

1. A composition for use in preparing an oil base drilling fluid, which composition consists of a powdered mixture of weight material, calcium oxide, and asphalt.

2,356,777
PROCESS FOR REFINING MINERAL OILS
James V. Montgomery, Okmulgee, Okla., Luke Barrett Goodson, Borger, Tex., and Robert W. Henry, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 23, 1940, Serial No. 353,956
6 Claims. (Cl. 196—18)

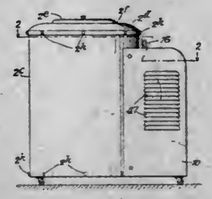
1. The process of dewaxing mineral oils including the steps of mixing the waxy oil with a dewaxing solvent comprising a hydrogenated selected fraction of commercial pyridine, the selected fraction of commercial pyridine boiling between the approximate limits of 240° F. and 500° F., chilling the mixture of waxy oil and solvent to precipitate the wax and removing the precipitated wax and the dewaxing solvent from the dewaxed oil.

2,356,778
EVAPORATOR UNIT CONSTRUCTION
Willard L. Morrison, Lake Forest, Ill.
Application January 22, 1940, Serial No. 314,922
12 Claims. (Cl. 62—126)



1. An evaporator unit construction comprising two cylinders of different diameters, one within the other, the inner cylinder formed of heat conducting material, said cylinders having a space between them, a series of separate pieces disposed in said space dividing said space into a series of passageways connected together to form a continuous conduit for refrigerant material, one of said cylinders forming a portion of each of said passageways, and means for connecting said passageways with a source of refrigerant material, the inner cylinder forming a cooling receptacle for the material to be cooled, said pieces disposed in the space between the cylinders being loosely disposed in position so that refrigerant gas may pass between them and the inner cylinder so that the inner surface of the inner cylinder is a continuous primary surface.

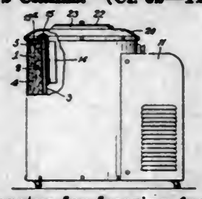
2,356,779
APPARATUS FOR FREEZING FOODS
Willard L. Morrison, Lake Forest, Ill.
Application October 31, 1940, Serial No. 363,743
38 Claims. (Cl. 62—116)



1. A device for freezing foods comprising an evaporator comprising two cylinders of different diameters, one within the other, the inner cylinder forming a food receiving receptacle, said cylinders having a space between them, provided with a series of sections forming a continuous

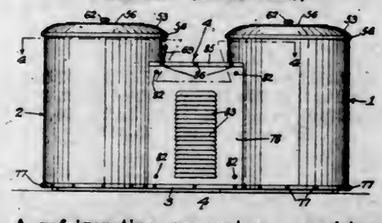
passageway extending back and forth longitudinally in the space between said cylinders along which a gaseous refrigerant is passed, a refrigerating apparatus connected with said passageway, comprising a compressor, and means separate from said passageway for removing oil from the compressor that may be deposited in said passageway, and returning it to the compressor.

2,356,780
APPARATUS FOR FREEZING FOODS
Willard L. Morrison, Lake Forest, Ill.
Application November 9, 1940, Serial No. 365,044
12 Claims. (Cl. 62—116)



1. An apparatus for freezing foods comprising an outer substantially cylindrical receptacle, an intermediate substantially cylindrical receptacle on the interior of the outer substantially cylindrical receptacle, heat insulating material between the outer receptacle and the intermediate receptacle, an inner substantially cylindrical food receptacle, the intermediate receptacle and the inner food receptacle being separated by a space sealed at its upper and lower ends, means for passing refrigerant material through said space between the inner food receptacle and the intermediate receptacle, the wall of the inner food receptacle being inclined inwardly from the top toward the bottom, and a liquid container having a liquid holding receptacle and which constitutes an ice molding device supported on the interior of the inner food receptacle, the incline of the wall thereof causing the force of gravity to press the liquid holding receptacle against said wall.

2,356,781
REFRIGERATING APPARATUS
Willard L. Morrison, Lake Forest, Ill.
Application August 2, 1941, Serial No. 405,173
5 Claims. (Cl. 62—116)



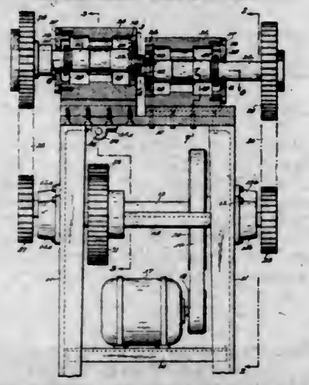
1. A refrigerating apparatus comprising two cylindrical cooling units, open at the top and separated by a space, a base upon which the two cylindrical cooling units are mounted, one at each end thereof, said base extending across the space between said cylindrical cooling units, a single refrigerant supplying unit mounted upon the portion of the base extending between said cylindrical cooling units, the cooling units, refrigerant supplying unit and base forming a unitary structure, an enclosing device for said refrigerant supplying unit having two side pieces which are attached to the outer walls of said cylindrical cooling units.

2,356,782
INTERNAL-COMBUSTION ENGINE EXHAUST SYSTEM
Lloyd E. Muller, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 15, 1941, Serial No. 414,986
9 Claims. (Cl. 181—48)



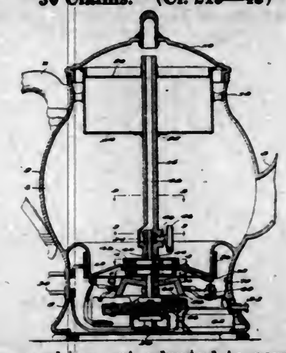
1. In an internal combustion engine with more than three cylinders, a silencer which includes a plurality of ducts of which each is connected to the exhaust ports of a plurality of the cylinders, a shell which encircles the ducts and with them defines a compartment, a partition which subdivides the compartment into chambers of which each communicates as a side branch with a plurality of the ducts and which constitute elements of resonators which are so tuned that they resonate to and thus attenuate sound waves which contribute to the exhaust noise of the engine.

2,356,783
MECHANISM FOR ROLLING WIRE
Alfred G. Natzke, Lynbrook, N. Y., assignor to Lamar Slide Fastener Corp., New York, N. Y., a corporation of New York
Application September 5, 1942, Serial No. 457,477
16 Claims. (Cl. 80—24)



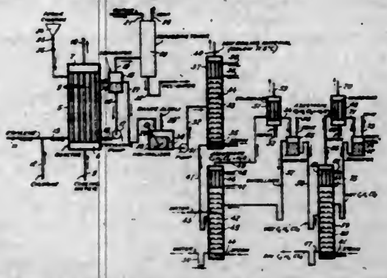
1. A mechanism for processing wire or other flexible metal stock for producing a connected series of partially formed interlockable slide fastener elements therefrom, including a pair of oppositely supported horizontally disposed spindles, the axis of one of said spindles being vertically offset relative to the axis of the other spindle, each spindle embodying a seat formed for engagement by a die, whereby the active surface of the die will be located outwardly of said seat, means connectable to the spindle for locking a die in positive engagement with said seat, means for effecting longitudinal adjustment of one of said spindles toward and from the opposite spindle through a distance equal at least to the clearance required for positioning the dies upon their respective spindles in positive engagement with said seats and means for effecting vertical movement of the second spindle relative to the first spindle for locating a die carried thereby in cooperating superposed relation to a die carried by the first spindle.

2,356,784
COFFEE POT
Maurice H. Graham, Minneapolis, Minn.
Application April 7, 1942, Serial No. 438,029
30 Claims. (Cl. 219—43)



1. In a cooking pot adapted to contain liquid, magnetically actuatable pump means in the pot operative in response to a rotary magnetic field, and means disposed exteriorly of the pot setting up a rotary magnetic field acting on said pump means.

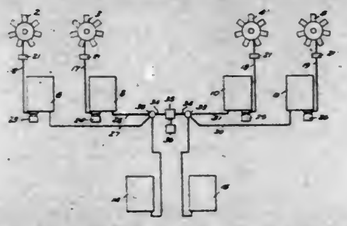
2,356,785
MANUFACTURE OF DICHLORETHANE
John A. S. Hammond, Glenbrook, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware
Application May 24, 1943, Serial No. 488,141
3 Claims. (Cl. 202—42)



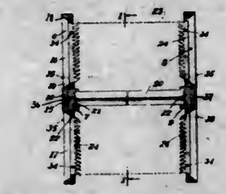
1. The method of purifying crude dichlorethane which comprises neutralizing the acid therein, heating the dichlorethane to vaporize and remove material having a boiling point below 71.5° C., distilling the dichlorethane with sufficient water to vaporize and separate all of the dichlorethane as the azeotrope of dichlorethane and water boiling at 71.5° C., condensing the azeotrope vapor, separating the condensate into a watery layer and a layer consisting of wet dichlorethane, and removing the water from the wet dichlorethane.

2,356,786
AIRPLANE FUEL SYSTEM
Leonard F. Harman, Osborn, Ohio, and Orval H. Snyder, San Diego, Calif.
Application November 14, 1941, Serial No. 419,518
6 Claims. (Cl. 158—36.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A fuel supply system for multiengined aircraft comprising two groups of fuel tanks, each tank of each group being communicatively connected with one of the engines of said craft, a pair of selector valves each having a common port and a plurality of distributing ports, means communicatively connecting each of the tanks of one group with a distributing port on one of said valves and similar means communicatively connecting each of the tanks of the other group with a distributing port on the other of said valves, and means communicatively connecting the common port of one valve with the common port of the other valve including a pump means whereby the fuel in any of the tanks of one group may be transferred to any of the tanks of the other group.



2,356,787
FRAME FOR TRANSPORTING FABRICS
Edwin G. Hellyar, Norwichtown, Conn., assignor of seven-eighths to Miriam Johnson Hellyar and one-eighth to Miriam Elizabeth Hellyar, both of Norwichtown, Conn.
Application June 19, 1943, Serial No. 491,465
9 Claims. (Cl. 206—51)

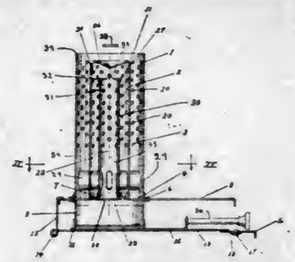


1. In a frame for transporting fabrics, said frame comprising two members including cross-shaped arms having longitudinal slots formed therein, hook-carrying plates in said slots, and a rod extending between said members, wherein each of said members comprises two separate elements centrally loosely embracing each other and wherein said rod is square in cross-section and loosely fits into comparatively shallow square holes formed diamond fashion only in the inner element of each member.

2,356,788
STOVE FOR BURNING SOLIDIFIED HYDROCARBON FUEL
Albert O. Herron, West Cheshire, Conn., assignor to Safety-Fuel Incorporated, West Cheshire, Conn., a corporation of Connecticut
Original application August 23, 1940, Serial No. 353,858. Divided and this application March 21, 1942, Serial No. 435,599
2 Claims. (Cl. 126—43)

1. A stove for burning solidified hydrocarbon fuel comprising a first upright tubular flue, a second co-axial tubular flue of lesser diameter, at least the upper ends of said first and second flues being perforated, said first and second flues defining an annular combustion space and said sec-

ond flue defining a central air duct, a bottom closure for said central air duct, means for holding a fuel container in communication with the

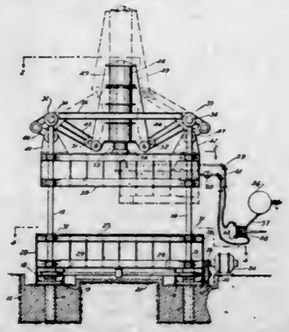


lower end of said annular combustion space and at least one air inlet tube extending transversely through the lower part of said first flue and second flue into said central air duct.

2,356,789
VARNISH
Matthew Holzmer, Cleveland, and Theodore A. Neuhaus, Lakewood, Ohio, assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 30, 1940, Serial No. 372,344
3 Claims. (Cl. 260—25)

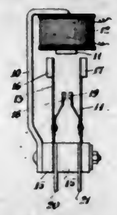
1. A mixing varnish consisting essentially of a solution of an unmodified heat-hardenable phenol-formaldehyde resin and a resin selected from the class of methyl and ethyl abietates in a mutual solvent comprising a phenol.

2,356,790
POWER PRESS
Robert A. Horne, Gretna, La.
Application April 30, 1942, Serial No. 441,203
7 Claims. (Cl. 113—45)



1. In a power press, frame members, a fixed platen, a movable platen adapted to coact with the fixed platen, fluid pressure operated means including members movable relative to the frame members and to each other for actuating the movable platen, one of said members being a cylinder and the other a plunger, means connecting one of said relatively movable members directly to the movable platen, levers pivoted on the frame members and having one end connected to the other of said relatively movable members, and links connecting the other ends of said levers to the movable platen.

2,356,791
RELAY
Clarence Huetten, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 19, 1942, Serial No. 435,337
4 Claims. (Cl. 200—103)



1. A frequency selective relay comprising a frame, an electromagnet mounted at one end of said frame, a pair of tuned reeds of the same natural period mounted at the opposite end thereof and extending in spaced parallel relation to points adjacent a pole of said electromagnet, armatures on the free ends of said reeds symmetrically disposed on opposite sides of the axis of said pole, and a pair of spring arms mounted respectively on said reeds and cooperating contacts at the face ends of said arms.

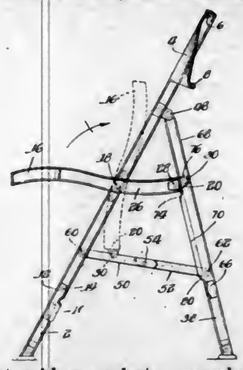
2,356,792
LIQUID COMPOSITION FOR POLISHING AND THE LIKE
Byron J. Oakes and Dean K. Murray, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application November 5, 1938, Serial No. 239,178
2 Claims. (Cl. 106—11)

1. As a new composition of matter, a viscous liquid abrasive polish, adapted for use in polishing lacquered and enameled surfaces, comprising an oil-in-water emulsion having finely divided feldspar abrasive particles suspended therein, said oil-in-water emulsion comprising volatile mineral oil as the dispersed phase and water as the continuous phase, with said mineral oil present in proportion by weight at least approximately three times that of said water; a water-soluble emulsifying agent present in substantial but minor proportion to said water; and said abrasive particles being present in greater proportion by weight than the aggregate of the liquid constituents of said polish.

2,356,793
COLLAPSIBLE CHAIR
John B. O'Connor and James E. Bales, Aurora, Ill., assignors to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application July 10, 1939, Serial No. 283,594
8 Claims. (Cl. 155—142)

4. A folding chair having a pair of front legs and a back frame, a pair of rear legs pivotally connected to said first-mentioned frame, each of said rear legs being formed of channeled metal, the openings of the channels of said rear legs facing each other, and the forward lateral flange of each rear leg for a length substantially centrally of the leg being bent forwardly somewhat into the plane of the outer face of the leg portion whereby to provide a locking shoulder with a flange thereabove, a stop member inserted in the

channel above said shoulder and extending transversely across the channel-shaped member, a seat pivoted to the front leg member, said seat having a rearwardly extending rigid extension carrying a stop member whereby upon pivotal movement



of said seat said second stop member is adapted to swing across the forwardly bent portion of the channel-shaped member to lodge behind the shoulder and against the transverse stop of said rear leg member whereby to hold said seat in open position.

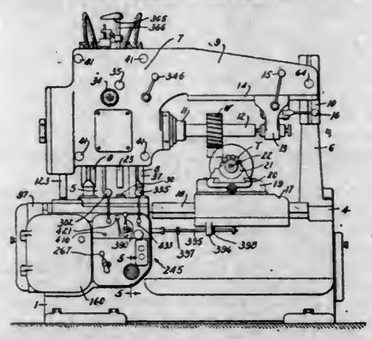
2,356,794
RESIN EMULSION VEHICLE
Alfred L. Peiker, East Bound Brook, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 21, 1939, Serial No. 252,068
4 Claims. (Cl. 260—15)

1. A coloring composition for coloring fibers and fabrics comprising a colored aqueous dispersion of the oil-in-water type of a solution in an organic solvent of an alkyd resin, and a urea formaldehyde resin, both being water insoluble and capable of curing by heat and a substantially water insoluble cellulose ether, the composition being capable of printing by intaglio methods on the surface of fibers and fabrics to produce a sharp print with good wash fastness without resulting in relatively stiffened material.

2,356,795
PROCESS OF TREATING PROTEIN
Arthur Ebert Poarch, Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 3, 1941, Serial No. 413,449
15 Claims. (Cl. 260—112)

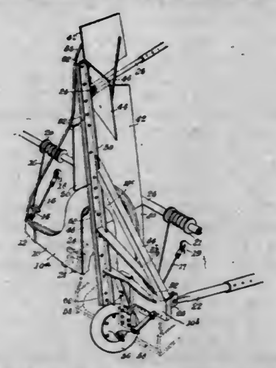
1. The process of treating an alkali soluble, precipitable protein selected from the class consisting of casein and vegetable globulins which comprises passing an acid forming gas through an aqueous alkaline protein solution, said acid gas being one which with ammonium hydroxide forms salts decomposable into volatile constituents below the boiling point of the protein solution, said protein solution being one prepared by the use of a protein solvent selected from the class consisting of ammonium hydroxide and the aforementioned decomposable ammonium salts corresponding to the acid forming gases employed, while maintaining the temperature of the solution above the decomposition point of said salts, to effect appreciable elimination of ammonia uncombined with protein.

2,356,796
METAL-CUTTING TOOL
Benjamin R. Purvin, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application September 3, 1938, Serial No. 228,312
22 Claims. (Cl. 90—4)



1. A hobbing machine comprising, in combination, a base having a vertical column, a first slide vertically movable on said column either into elevated inoperative position or lowered operative position, a horizontal spindle on said slide, a second slide reciprocable on said base axially of said spindle, a spindle on said second slide, means for rotating said spindles in timed relation, hydraulic means for moving said first slide into operative position, and hydraulic means automatically operable upon movement of said first slide into operative position to move said second slide through a feeding stroke in one direction, said first hydraulic means being automatically operable at the end of said feeding stroke to return said first slide into inoperative position.

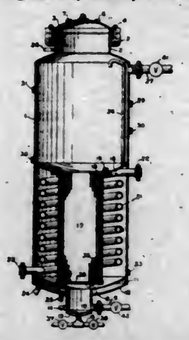
2,356,797
VERTICAL BLADE ATTACHMENT FOR ELEVATING GRADERS
Burney V. Reany, Kansas City, Mo.
Application September 21, 1942, Serial No. 459,128
10 Claims. (Cl. 37—110)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a grader or like implement, the combination of a wheeled vehicle frame, a conveyor mounted upon and supported transversely of said frame, a ground cutting element located adjacent the mouth of the conveyor and being adapted to deflect dirt onto said conveyor, a supplementary

cutting element disposed in a vertical plane above said ground cutting element, said ground and supplementary cutting elements being attached to said frame for movement about a horizontal axis of rotation paralleling the longitudinal axis of said frame and disposed adjacent the lower end of said supplementary cutting element, and means in connection with the upper end of said supplementary cutting element for effecting adjustment of said ground and supplementary cutting elements about said horizontal axis of rotation to produce a cut of predetermined thickness.

2,356,798
APPARATUS FOR MELTING AND PROCESSING CRUDE OLEORESIN
Jesse O. Reed, Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office
Application March 27, 1941, Serial No. 385,508
3 Claims. (Cl. 210—150.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

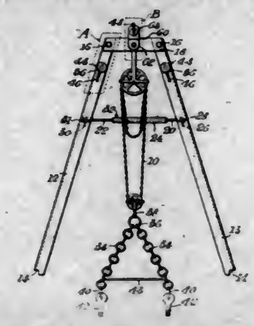


1. A melting tank comprising a chamber having a vertical cylindrical housing and a dished bottom, a sump chamber below and communicating with said dished bottom, a foraminous basket vertically disposed above said sump chamber in the lower part of said housing, said basket having an upper rim, brackets to support said basket in spaced relation above said dished bottom, an annular baffle extending downwardly from said housing to said upper rim, heating means in said housing surrounding said basket, a foraminous tube axially disposed in said basket, bracing members extending from the upper end of said tube to said rim, and a pipe extending from the exterior of the sump chamber through the bottom of and into said tube.

2,356,799
PROCESS FOR PRODUCING INSOLUBLE SODIUM METAPHOSPHATE
George E. Taylor and Allen G. Erdman, Anniston, Ala., assignors to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application May 27, 1943, Serial No. 488,776
8 Claims. (Cl. 23—106)

2. The method for producing insoluble sodium metaphosphate comprising compressing finely divided monosodium orthophosphate into pellets, heating said pellets to a temperature between 300° C. and 460° C. to form insoluble sodium metaphosphate and grinding said pellets to a fine powder.

2,356,800
HOIST
Robert W. Thorne, United States Army Schofield Barracks, Territory of Hawaii
Application June 15, 1942, Serial No. 447,018
3 Claims. (Cl. 254—139)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



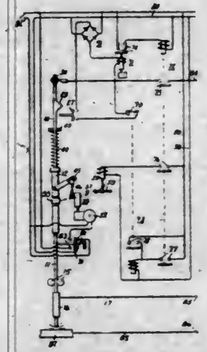
1. A portable hoisting apparatus for automobile transmissions adapted to be mounted upon the side rails of an automobile assembly with its upper portion leaning against the dashboard of such assembly, said hoisting apparatus comprising, in combination, a cross head, a pair of legs inclined toward each other and pivotally connected at their upper ends to the extremities of said cross head, the free ends of said legs being provided with means for slidably engaging said side rails, an expansible spreader interconnecting said legs intermediate their extremities and adjustable to regulate the span of said legs, buffer members attached to said legs adjacent their upper ends for engagement with said dashboard, a hoisting mechanism suspended from said cross head, and anchoring means carried by said cross head and arranged in a plane normal thereto, said anchoring means including a yieldable member for engagement with a suitable part of said automobile assembly.

2,356,801
INSECT REPELLENT COMPOSITION
Bernard V. Travis and Howard A. Jones, Orlando, Fla., assignors to the United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office.
No Drawing. Application April 8, 1944, Serial No. 530,232
4 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insect repellent composition containing as an essential active ingredient a ternary solution comprising by volume from 33⅓ percent to 80 percent of dimethyl phthalate, and complementary equal parts of 2-ethyl-1,3-hexanediol and n-butyl mesityl oxide oxalate.

2,356,802
ARC WELDING APPARATUS
Frank B. Tuttle, Norristown, Pa., assignor to General Electric Company, a corporation of New York
Application September 10, 1943, Serial No. 501,812
14 Claims. (Cl. 314—5)

1. Automatic arc welding apparatus comprising an electrode carrier, means for supporting said carrier for movement between electrode loading and electrode feeding positions, means at one end of said carrier for biasing an electrode therein to a predetermined position lengthwise thereof, means at the loading positions of said carrier for supplying an electrode thereto beyond the range of action of said biasing means, means responsive to the movement of said carrier from its loading position to its feeding position for displacing an electrode therein against the action of said biasing means and thereafter releasing said electrode to the feeding action of said biasing means when said carrier arrives at its feeding position, elec-



trode feeding means opposite the other end of said carrier when said carrier is in its feeding position, and means effective for a predetermined interval of time and responsive to the movement of an electrode in said carrier to a predetermined position for supplying welding current across the adjoining ends of electrodes in said carrier and in said feeding means and for interrupting the feeding action of said biasing means on the electrode in said carrier to establish between the adjoining ends of said electrodes an arcing gap which is subsequently closed by said biasing means to form a weld.

2,356,803
GONAD-STIMULATING HORMONES AND METHODS OF OBTAINING AND SEPARATING THEM
Harry B. van Dyke and Roy O. Greep, Stelton, and Bacon F. Chow, Highland Park, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application March 5, 1940, Serial No. 322,340
5 Claims. (Cl. 167—74)

1. The method of obtaining the gonad-stimulating hormones from the pituitary gland which comprises extracting fresh animal pituitary glands at a low temperature with a dilute aqueous solution of sodium chloride, adjusting the pH of the extract to about 4.2–4.6, removing the precipitated inert protein, substantially saturating the solution with a salting-out salt, dialyzing the precipitate against water, removing insoluble material from the resulting aqueous solution of the active fraction of the precipitate, adjusting the solution to a dilute-acid pH and removing the resulting precipitate, making the resulting solution about ½-saturated with a salting-out salt, removing the precipitate, and making the solution substantially saturated with salting-out salt to precipitate the gonad-stimulating hormones.

2,356,804
SAFE-DEPOSIT VAULT
Walter R. Whiting, Hingham, Mass., assignor to Dorothy G. Barpee, Hingham, Mass.
Application November 8, 1941, Serial No. 418,277
11 Claims. (Cl. 109—58)



1. A safe deposit receptacle comprising a housing defining a chamber which is proof against leakage of air therefrom except adjacent to its bottom wall portions through which water and air may enter into and drain from the interior of the chamber, said receptacle having a hinged closure providing access to said chamber, and a platform within the receptacle for supporting articles at a level above the bottom of the receptacle, the distance between the bottom of the receptacle and the article-supporting surface of the platform being substantially in accordance with the formula $h^2=h-h^1$, where h=the total height of the chamber; h^2=the height of the platform above the box bottom, and

$$h^1=\frac{B^p\times h}{B^p+0.435H}$$

where B^p=the mean atmosphere pressure at the place of use and H=the head of water in feet above the box bottom.

2,356,805
PIPE ELEVATOR
William W. Wilson, Los Angeles, Calif.
Application May 16, 1942, Serial No. 443,318
7 Claims. (Cl. 294—90)

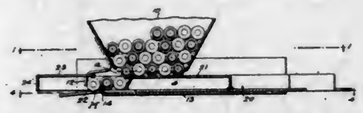


1. In a center-latch elevator of the character described, the combination of: a pair of pipe-encircling jaws connected at their rear ends by hinge means; resilient means urging said jaws apart; a latch pivoted to one of the jaws on an axis longitudinal thereof and one side of the median plane of the elevator; and a catch on the other jaw and on the other side of said median plane for engaging said latch, the latching plane of the engaging faces of said latch and said catch being a plane longitudinal of the elevator which intersects the median plane of the elevator substantially inwardly from said hinge means, which is inclined inwardly and away from said other jaw, said axis of said latch being spaced a greater distance from said hinge means than said catch.

2,356,806
CARTRIDGE FEEDER
John H. Woodberry and Frederick W. Hoewischer, Metuchen, N. J.
Application January 1, 1943, Serial No. 471,064
6 Claims. (Cl. 86—45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a device for removing and feeding single cartridges, the combination of a hopper having an open bottom, a base plate, a plate slidable on

the said base plate in underlying relation to the said hopper and provided with a peripheral frame, a floor plate extending across the side members of the said peripheral frame and spaced rearwardly from the front member of the said peripheral frame, the said floor plate being adapted to close the said opening except for a space at the front of the hopper sufficient for a single cartridge to pass, supporting fingers extending from the said slide plate in the said space defined by the peripheral frame and inclined towards the front whereby the single cartridges roll frontwardly, stop fingers secured on the front wall of

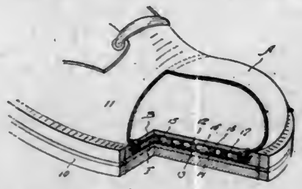


the hopper and adapted to restrain the said frontward rolling of the cartridges, the said hopper stop fingers being disposed in the spaces between the said slide fingers, lugs projecting upwardly at the forward end of the said base plate adapted to hold the foremost cartridge whereby the said cartridge will fall clear of the device as the said supporting fingers are withdrawn by the rearward return of the said slide, and fingers rearwardly extending from the front member of the said peripheral frame and adapted to insert themselves in the rearward return of the slide between the cartridges in the hopper to segregate the bottom cartridges from those above.

2,356,807
HIGH-GRADE ALLOY POWDER PRODUCTION
John Wulff, Cambridge, Mass.
No Drawing. Application October 8, 1942, Serial No. 461,331
9 Claims. (Cl. 75—28)

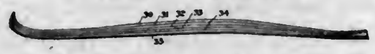
1. A method of directly producing clean annealed alloy steel powder from contaminated alloy powder which comprises heating the powder in annealing range in a fused salt bath which bath is capable of removing the superficial contaminants.

2,356,808
ORTHOPEDIC SHOE AND FILLER THEREFOR
Holly H. Allen, Charleston, W. Va.
Application May 15, 1943, Serial No. 487,158
6 Claims. (Cl. 36—8.5)



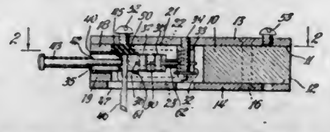
6. In a shoe, a sole, an innersole, and a sole filler between the sole and innersole composed of compressible material having an imperforate area for supporting the main metatarsal joint of a foot and a plurality of perforate areas for supporting the remaining metatarsal and phalange joints of the foot, each of the perforate areas having perforations varying in size with respect to each other.

2,356,809
SKI
Alexis D. Andreef, Montreal, Quebec, Canada
Application April 22, 1942, Serial No. 440,078
7 Claims. (Cl. 280—11.13)



6. A multiple layer ski in which all of the layers extend the full length of the ski, two of said layers being tapered so that they decrease in thickness from the middle toward the end portions thereof, said tapered layers being also formed so that the thickness of one, as measured at any given point along the length of the ski, is substantially exactly equal to the thickness of the other as measured at the same point along the length of the ski, the non-tapered layers being of substantially uniform thickness from end to end.

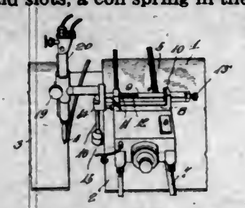
2,356,810
ELECTROMAGNETIC TRANSLATING DEVICE
Benjamin B. Bauer, Chicago, Ill., assignor to S. N. Shure and Frances Shure, trustee, doing business as Shure Brothers, a partnership
Application February 7, 1941, Serial No. 377,855
17 Claims. (Cl. 179—100.41)



1. In an electromagnetic translating device, the combination of a magnetic circuit having at least one air gap, a drive rod oscillatable about its longitudinal axis, means consisting of a metallic torsion spring joined to said drive rod and extending from an end thereof in a direction longitudinally of said drive rod for supporting said end of said drive rod and biasing said rod to a predetermined at rest position from which it may be oscillated, said torsion spring possessing elastic compliance in a direction transversely thereof and being substantially rigid in a direction normal to said direction of compliance, a substantially rigid support for said torsion spring at a portion thereof spaced from said end of said drive rod, a support for said drive rod at a portion thereof spaced from said end of said drive rod, an armature carried by said rod and consisting of a flat member extending transversely from said rod into said air gap, at least one voice current coil around said armature, and means on said rod between said support for said rod and said end of said rod joined to said torsion spring for supporting a stylus member in a position with its axis extending generally in the direction of said torsion spring transverse compliance.

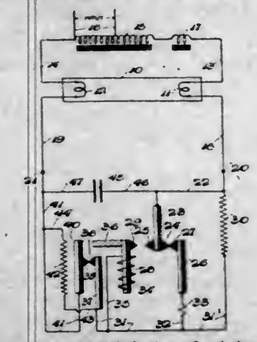
2,356,811
CUTTING TORCH HOLDER
Norman G. Bellrose, Long Beach, Calif.
Application April 8, 1943, Serial No. 482,301
5 Claims. (Cl. 33—41)

1. A tool holder comprising a substantially U-shaped frame, a hollow bar slidably mounted in said frame, a head on one end of said bar, a vertical clamp on the head, said clamp being adapted to grip a tool and support the same vertically, a guide roller, a stem on which the guide roller is mounted extending upwardly therefrom and adjustably mounted in the head, said hollow bar having opposed longitudinal slots therein, a pin rising from the frame and extending through said slots, a coil spring in the hollow bar,



one end of the spring bearing against said pin, an adjusting screw in one end of said bar, said spring bearing against said adjusting screw at its other end.

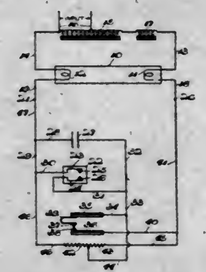
2,356,812
STARTING SWITCH FOR ELECTRICAL DISCHARGE LAMPS
Paul L. Betz, Baltimore, Md., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland
Application February 21, 1942, Serial No. 431,893
19 Claims. (Cl. 315—100)



11. In a starting switch for electrical discharge lamps of the type having at least two electrodes, one at least of said electrodes being of the filamentary type and requiring an electrode heating current only during starting, in combination with a starting circuit including the electrodes of said lamp and means for alternately opening and closing said circuit to initiate the operation of said lamp, means for additionally controlling the operation of said starting circuit including additional contacts in circuit with said electrodes, means associated with said first named means for mechanically opening said last named contacts after a predetermined number of operations of said starting circuit at said first named means and means whereby said last named contacts are thereafter closed only upon deenergization of said starting circuit.

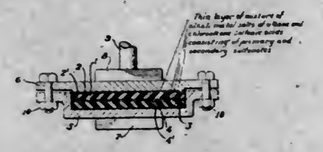
2,356,813
STARTING SWITCH FOR ELECTRICAL DISCHARGE LAMPS
Paul L. Betz, Baltimore, Md., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland
Application February 21, 1942, Serial No. 431,894
7 Claims. (Cl. 315—100)

1. In a starting switch for electrical discharge lamps of the type having at least two electrodes, one at least of said electrodes being of the filamentary type and requiring an electrode heating current only during starting, in combination with a starting circuit including the electrodes of said lamp and having therein means for periodically opening and closing said circuit, said starting circuit also including normally closed contacts, a bimetallic arm on which one of said contacts is mounted, and a heater associated with



said arm and connected in parallel with said electrodes, said heater having a low or high voltage applied thereto dependent upon whether a discharge is or is not established through said lamp, repeated applications of high voltage to said heater causing said bimetallic arm to flex and move its associated contact to open position and retain the same in said position and said arm restoring said contacts to closed position only upon deenergizing said lamp.

2,356,814
TREATMENT OF MOLDS AND COMPOSITIONS THEREFOR
Harry G. Bimmerman, Wilmington, Del., and Arthur L. Fox, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 22, 1942, Serial No. 459,286
10 Claims. (Cl. 18—47)

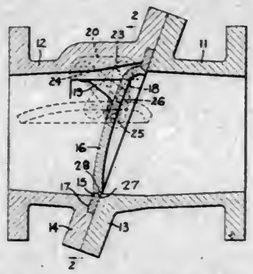


1. The improvement in the art of molding thermoplastic materials which comprises coating the mold surfaces with a mixture of water soluble salts of alkane sulfonic acids and chloralkane sulfonic acids of at least 12 carbon atoms consisting of primary and secondary sulfonates predominating in the latter.

2,356,815
CHECK VALVE
Robert Bischoff, Troy, N. Y.
Application August 26, 1942, Serial No. 456,135
7 Claims. (Cl. 251—123)

6. A valve of the type described, comprising a housing having an upstream section and a downstream section, a valve seat between said sections formed with a spherical sealing surface, a valve disk having a peripheral spherical sealing surface for engagement with the spherical sealing surface of said valve seat, a pair of links disposed on the downstream side of said valve disk, said

links having pivotal connection at one end with said housing and having pivotal connection at the other end with said valve disk for supporting the valve disk, one link having pivotal connection at one end with said housing at a point spaced from the pivotal connection of the other link with said housing, each link having pivotal



connection at the other end thereof with said valve disk at spaced points off center of the valve disk, said links being constructed and arranged to swing the valve disk in an arc away from its seated position whereby the upper portion of the valve disk moves into the upstream section of the housing as soon as the periphery of the valve disk clears the seat.

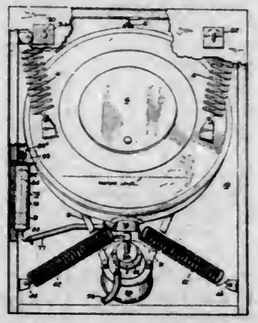
2,356,816

LAUNDRY APPARATUS

Frank Breckenridge and Earl K. Clark, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 31, 1940, Serial No. 372,616

2 Claims. (Cl. 68—12)



1. In apparatus for washing fabrics and for subsequently centrifuging washing water therefrom, the combination of a container for a body of washing water and the fabrics to be treated, means for agitating the fabrics within the container at relatively low speed for effecting washing and rinsing actions, means for rotating the fabrics at relatively high speed for extracting fluid from the fabrics, sources of hot and cold water, a timer for energizing said agitating means at different times for providing washing and rinsing periods, said timer being effective to energize said high speed rotating means at different times for the extraction of washing and rinsing water from the fabrics, means controlled by the timer for admitting water from said hot water source to the container prior to the washing and rinsing periods and means controlled by the timer for spraying a predetermined quantity of cold water only within the container during the final high speed rotation of the fabrics, said quantity of cold water being effective to cool the fabrics and to reduce, substantially, the moisture content of the atmosphere within the container.

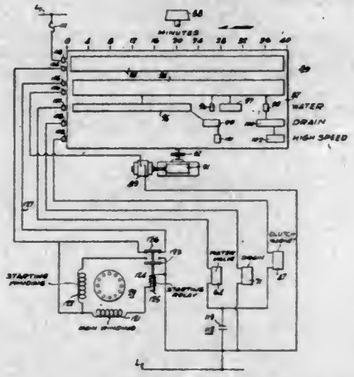
2,356,817

CLEANING APPARATUS

Frank Breckenridge, Mansfield, Ohio, and Raymond J. Ridge, Lansdowne, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application April 25, 1941, Serial No. 390,290, now Patent No. 2,313,984, dated March 16, 1943. Divided and this application August 11, 1942, Serial No. 454,388

3 Claims. (Cl. 68—12)



1. In cleaning apparatus, the combination of a receptacle for containing cleaning fluid and the material to be cleaned, electrically-operated means controlling the admission and discharge of fluid to and from said receptacle, means including a driving motor for effecting the cleaning of the material in the receptacle, an electrically-driven timer for sequentially energizing said electrically-operated means, a common electrical circuit for the timer and said electrically-operated means, and means responsive to the load on said driving motor for controlling energization of said common circuit so that the common circuit is deenergized when the load on the motor is above a predetermined value and conditioned for energization when the load on the motor is below said value.

2,356,818

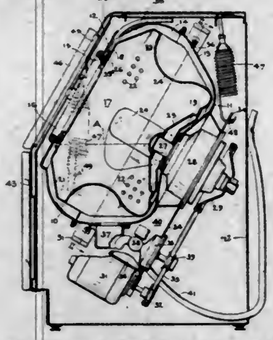
CLEANING APPARATUS

William C. Bruckman, Yellow Springs, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 2, 1942, Serial No. 460,507

16 Claims. (Cl. 68—24)

1. In apparatus for cleaning fabrics and for centrifuging cleaning fluid therefrom, the combination of a container for a body of cleaning fluid and the fabrics to be treated, driving means for agitating the fabrics in the body of cleaning fluid at relatively low frequency for cleaning the fabrics and for rotating the fabrics in the container at relatively high frequency, in the absence of said body of fluid, for centrifugally extracting fluid from the fabrics, means for resiliently supporting the container and said driving means as



a unitary structure, a balancing mass and means for resiliently carrying said balancing mass upon the unitary structure.

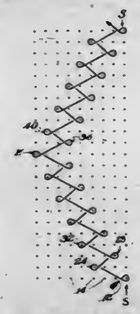
2,356,819

WARP KNIT FABRIC AND METHOD OF MAKING THE SAME

Charles R. Burns, West Reading, Pa., assignor to Vanity Fair Mills, Inc.

Application January 13, 1941, Serial No. 374,219

5 Claims. (Cl. 66—192)



1. The method of making a warp knit fabric, which comprises supplying a yarn to each of a plurality of needles, lapping the yarns over three needles, under one needle, in one direction for the formation of one course, and then over two needles, under one needle, in the other direction for the formation of the next succeeding course, and repeating said lapping of yarns for a number of successive courses; then lapping the yarns over three needles, and under one needle, in the second mentioned direction for the formation of a course, and then over two needles, under one needle, in the first mentioned direction for the formation of the next succeeding course, and repeating this lapping of yarns for a number of successive courses.

2,356,820

PREPARATION OF HYPOCHLORITES

George H. Cady, Wadsworth, Ohio, assignor to Pittsburgh Plate Glass Company, Alleghany County, Pa., a corporation of Pennsylvania

No Drawing. Application August 10, 1938, Serial No. 224,109

1 Claim. (Cl. 23—86)

The process which comprises chlorinating an aqueous solution comprising lithium hydroxide and an hydroxide of the metal of the group consisting of sodium and potassium whereby an hypochlorite and a chloride are formed, precipitating a chloride of said group while retaining the hypochlorite in solution and removing the chloride precipitate from the solution.

2,356,821

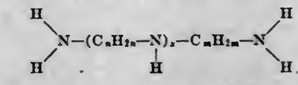
FROTH FLOTATION OF ACIDIC MINERALS

Ludwig Jacob Christmann, Yonkers, N. Y., David Walker Jayne, Jr., Old Greenwich, and Stephen E. Erickson, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a coporation of Maine

No Drawing. Application September 4, 1940, Serial No. 355,368

2 Claims. (Cl. 209—166)

1. In the froth flotation process of separating phosphate ore values from acidic siliceous gangue the step which comprises subjecting the ore to froth flotation in the presence of a reagent chosen from the group consisting of the monoacyl reaction products of a polyalkylene polyamine represented by the following general formula:



in which n, m, and x are small whole numbers, with coconut oil, and salts thereof.

2,356,822

ELECTRIC ARC WELDING

John J. Chyle, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

No Drawing. Application September 24, 1942, Serial No. 459,518

5 Claims. (Cl. 219—10)

1. In the electric arc welding of low alloy high tensile strength steel containing in excess of about 0.30% carbon, and alloying ingredients of chromium, nickel and molybdenum, the improvement comprising employing a welding electrode of the same ingredients with lower carbon content and substantially higher molybdenum content than that of the work to provide a weld of tensile strength substantially equal to that of the stock.

2,356,823

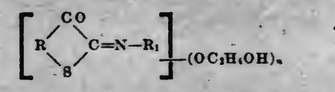
ORGANIC DYESTUFFS OF THE THIONAPHTHENONE SERIES AND PROCESS OF MAKING THE SAME

John Elton Cole and Benjamin Franklin Skiles, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corportion of Delaware

No Drawing. Application September 21, 1939, Serial No. 295,918

7 Claims. (Cl. 260—330)

2. A dyestuff compound of the general formula



wherein R is an ortho arylene radical having not more than 10 carbon atoms in its cyclic structure, R_1 is an aryl radical having 6 carbon atoms in its cyclic structure, while n designates an integer not greater than 2.

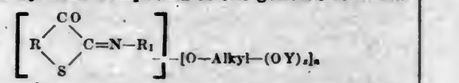
2,356,824

ORGANIC DYESTUFFS OF THE THIONAPHTHENONE SERIES, AND PROCESS OF MAKING THE SAME

John Elton Cole and Benjamin Franklin Skiles, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 1, 1941, Serial No. 391,308
8 Claims. (Cl. 260—330)

1. A dyestuff compound of the general formula



wherein R is an ortho-arylene radical having not more than 10 carbon atoms in its cyclic structure, R_1 is an aryl radical having 6 carbon atoms in its cyclic structure, alkyl stands for a lower alkyl radical, Y stands for the radical of an acid of the group adapted to esterify alcoholic OH groups, while x and n each represent integers not greater than 2.

2,356,825

CLOSURE MEMBER AND METHOD OF APPLYING SAME

Lloyd G. Copeman, Lapeer, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan

Continuation of application Serial No. 645,403, December 2, 1932. This application December 5, 1939, Serial No. 307,622
17 Claims. (Cl. 215—38)



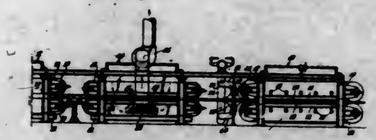
15. A protective member comprising a seamless paper cup having the side walls thereof pleated and internally coated with an adhesive extending between the pleats, said adhesive being of a type which, as applied, has retaining releasable engagement adapted for repeated removable and non-adherent engagement with dissimilar surfaces.

2,356,826

METHOD OF MANUFACTURING MINERAL WOOL AND PRODUCT

Harold T. Coss and William M. MacAlpine, Somerville, and Louis A. Hawthorne, Hillside, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application May 24, 1940, Serial No. 336,896
9 Claims. (Cl. 154—28)



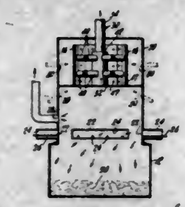
9. The method comprising forming a mineral wool body containing a hardened thermoplastic binder, subjecting the body to surface heat to soften the binder adjacent the surfaces while leaving the remainder of the binder substantially unaffected, and immediately cooling the surfaces while maintaining them under compression.

2,356,827

METHOD AND APPARATUS FOR INSULATING STRUCTURES

Harold T. Coes, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application April 26, 1941, Serial No. 390,633
16 Claims. (Cl. 226—19)



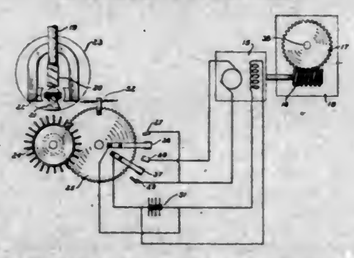
1. The method of installing an insulating lining in a hollow box, comprising conveying loose insulating material within said box, compressing said insulating material to form a layer over the rear wall of said box of a predetermined thickness and density, conveying further insulating material within said box, distributing the last-mentioned insulating material over the side and end walls of said box, and compressing the same to the desired thickness.

2,356,828

NAVIGATIONAL CONTROL MEANS

Carl J. Crane, Fairfield, and Raymond K. Stout, Dayton, Ohio

Application August 8, 1936, Serial No. 95,042
13 Claims. (Cl. 172—282)



1. In apparatus for the navigation of aircraft, a direction finder having a moving element, a pilot, motor means connected to said pilot to effect adjustment thereof, a fluid turbine having a fluid supply, switching means for controlling said motor means actuated by rotation of said turbine in either direction, air deflecting means carried by said element so as to be rotatable therewith and adapted to control rotation of said air turbine in accordance with movement of said element, and means for periodically interrupting the fluid supply.

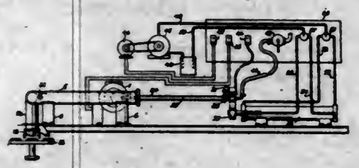
2,356,829

METHOD AND APPARATUS FOR FEEDING PLASTIC CLAY TO MOLDS IN THE MANUFACTURE OF POTTERY WARE

George J. Croninger, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 10, 1944, Serial No. 525,812
18 Claims. (Cl. 25—16)

1. Apparatus for feeding plastic ceramic material to potteryware fabricating machinery comprising, in combination, a machine for pugging and extruding plastic ceramic material, said machine having an extrusion orifice, a conduit leading to said fabricating machinery mounted in fixed position having a tubular magazine section provided with a side inlet for receiving extrusion from said machine, a plunger co-axial with the



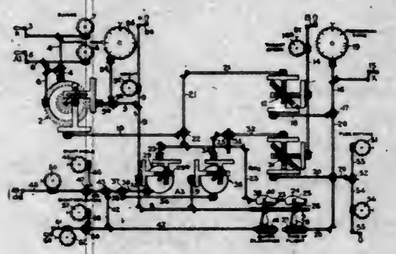
magazine section for movement therethrough to force material from said conduit, a conduit connecting said orifice and inlet positioned and formed to telescope the extrusion into said tubular magazine, and means for actuating said plunger and pugging and extruding machine.

2,356,830

FIRE CONTROL COMPUTER

George A. Crowther, Manhasset, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York

Original application February 11, 1941, Serial No. 378,367. Divided and this application November 30, 1942, Serial No. 467,339
5 Claims. (Cl. 235—61.5)



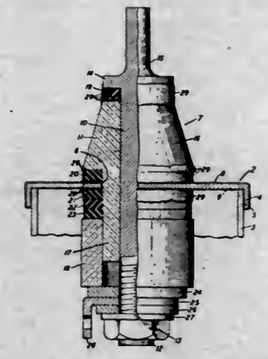
2. A closed system fire control computer, for a gun firing at a target approaching at a constant height above a horizontal plane, comprising a vector analyzer including a settable vector member representative of the direct range and elevation angle of the target position at an observing instant, a first component slide movable to a position representative of the horizontal range component of the target position and a second component slide movable to a position representative of the height component of the target position, means settable in accordance with a selected preparation period of time, means movable in accordance with a computed period of time of flight of the projectile, a first differential for combining the movements of the preparation period means and the flight period means, a first multiplier connected to the output of the first differential means and also settable in accordance with the speed of the target, a second differential for combining the output of the first multiplier and the movement of the first component slide, a first ballistic computing means settable by the said second component slide and the output of the second differential for determining the flight period, means connecting the output of the first ballistic means to the flight period movable means, a second multiplier settable by the flight period movable means and in accordance with the speed of the target, a third differential for combining the output of the second multiplier and the output of the second differential, a first vector means settable by the output of the third differential and the movement of the said second component slide, a second vector means settable by the output of the second differential and the movement of the said second component slide, a fourth differential for combining the outputs of the first and second vector means for obtaining the vertical angular deflection, a second ballistic computing means settable by the said second component slide and the output of the second differential for determining the super elevation of the gun, and a fifth differential for combining the outputs of the fourth differential and the second ballistic means whereby the output of the fifth differential represents the desired elevation angle between the gun and the sight.

2,356,831

LEAKPROOF TERMINAL STRUCTURE

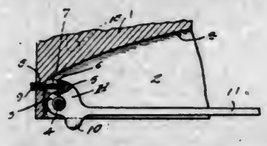
Robert W. De Monte, Glen Ridge, N. J., and Louis E. Milarta, Hollis, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 20, 1942, Serial No. 462,698
1 Claim. (Cl. 174—153)



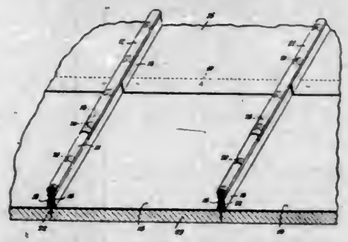
A leak-proof terminal structure and arrangement comprising in combination, an apertured wall coated on opposite faces with relatively soft metal, seats formed in the coatings on said wall around the aperture in said wall, washers disposed on opposite sides of said wall and resting in said seats, an insulating bushing, an enlarged upper portion on said bushing extending above said washers, a reduced lower portion on said bushing extending through said wall and said washers, a conducting rod extending longitudinally through said bushing, a flange on said rod extending over the upper portion of said bushing, a washer located between said flange and the top of said enlarged upper portion of said bushing, a collar supported on the lower portion of said bushing, means on said rod to hold the terminal parts in tightly assembled condition and press the washers in said seats against said seats, coats of moisture-proof sealing compound covering the washers in said seats and extending into leak-proof sealing engagement with said wall and a coat of leak-proof sealing compound covering the washer on the upper end of said bushing and extending into leak-proof sealing engagement with said bushing and said flange.

2,356,832
SMALL HOLE GAUGE
John A. Dietrich, Peoria, Ill.
Application January 28, 1943, Serial No. 473,867
4 Claims. (Cl. 33—178)



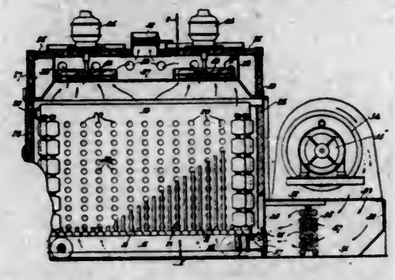
1. An inside diameter gauge comprising a cylindrical body having a radial slot opening through one end of the body and through the side thereof, a plate extending from the said end end of the body at one side of the slot, a scale carried by the plate upon the side nearest the slot, a needle extending longitudinally of the said side of the plate and having an end extended into and to the other end of the slot, said end of the needle having a lug extending outwardly from the slot beyond the side of the cylinder, means extending across the slot and through the said end of the needle upon the side of the lug remote from the other end of the needle and pivotally supporting the needle across the plate, and resilient means interposed between a wall of the slot and the said end of the needle upon the opposite side of the pivot means from the lug and resiliently opposing pivotal movement of the needle in one direction across the plate and scale.

2,356,833
ROOFING JOINT
Hans H. Doe, Milwaukee, Wis.
Application October 30, 1941, Serial No. 417,062
8 Claims. (Cl. 108—21)



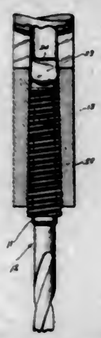
1. A joint structure for roofing in which the sheet metal roofing material has upturned flanged sides extending from its base at an obtuse angle comprising clamps having parts engaging the top edges of the spaced upturned sides of adjoining sections of said material at spaced intervals to exert a hold down pressure on said sections while permitting relative lengthwise movement between said sections and relative sliding movement between the clamps and said sections to permit contraction and expansion of said sections without danger of buckling of the roofing or of loosening said clamps, and covering means for the spaces between said sections having direct engagement with the sides of said upturned sides adjacent the top portion thereof whereby said roofing sections will be held down from the upper portions only of said upturned edges and are free to move lengthwise relative to each other and to said covering means.

2,356,834
YARN DRYING APPARATUS
Harry S. Drum and William C. Dodson, Abington, Pa., assignors to Smith, Drum and Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 3, 1942, Serial No. 449,642
15 Claims. (Cl. 34—105)



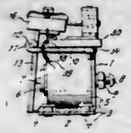
1. A drying apparatus consisting of a cabinet, a carrier to be enclosed in said cabinet, said carrier comprising a base manifold and an apertured tubular member supported by said manifold but partitioned therefrom, a plurality of yarn package spindles exterior of said member and supported vertically by said manifold and forming air passages from said manifold to the interior of said packages, means respectively closing the passage ends opposite to the inlet ends, means to circulate heated air through said manifold and packages to discharge into said member, and means including a source of heat to circulate heated air transversely to said spindles about the outside of said packages to also discharge into said member.

2,356,835
TAPERED SLEEVE OR SOCKET FOR DRILLS AND OTHER TAPERED SHANK TOOLS
Cecil H. Duckett, Brooklyn, N. Y.
Application April 10, 1943, Serial No. 482,636
2 Claims. (Cl. 77—55)



1. As a new article of manufacture, a resilient tapered longitudinally elongated sleeve adapted for reception therein of the tapered shank of a tool to be frictionally embraced and driven thereby, said sleeve being adapted to fit telescopically into a conventional lathe or equivalent tool or drill holder and being made up of spiralling, radially expansible and retractible tool shank embracing coils, said coils having diametrically opposed flattened shank gripping friction surfaces for limited contact with the shank and lathe drill holder, respectively, the inner and outer perimeter edges being beveled and the bevels coacting and defining spiralling V-shaped channels existing between the respective coils, and the end and outermost coil being of a normal diameter less than the diameter of the next adjacent coil for initially embracing and tightening around the shank to thus more effectively contract and bind all of the succeeding coils around said shank in the manner and for the purposes described.

2,356,836
EQUALIZED DOUBLE CONTACT ARM
Joseph F. Ebert, Hollis, N. Y., assignor to Allied Control Company, Inc., New York, N. Y., a corporation of New York
Application September 12, 1942, Serial No. 458,174
2 Claims. (Cl. 200—165)



1. In an electrical apparatus, a swinging member, a contact arm having an aperture, a stud of less cross-section than said aperture carried by said member and extending through said aperture, a projection formed on said arm and engaging said member to constitute a pivot for the arm, a leaf spring having a central aperture receiving said stud and having its ends formed into loops engaging said arm, a head on said stud in contact with said leaf spring, contact buttons on said arm laterally spaced from said projection, and stationary complementary contact buttons whereby equalization of contact pressure on said buttons is obtained.

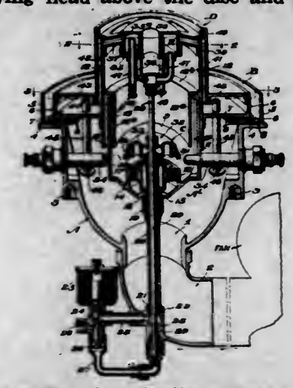
2,356,837
MATERIAL TREATING APPARATUS
John Ehret, Jr., Trenton, N. J., and Carl W. Maurer, Freeport, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 22, 1940, Serial No. 353,686
14 Claims. (Cl. 81—9.51)



1. In an apparatus for treating material, a scraping element continuously reciprocable in a given path, a backing member, means to advance material intermittently between the element and the backing member, means to cause the backing member to move a portion of the material into engagement with the element and support the said portion in a plane parallel with the said path, and means to hold the backing member away from the element during a predetermined number of intermittent movements of the material.

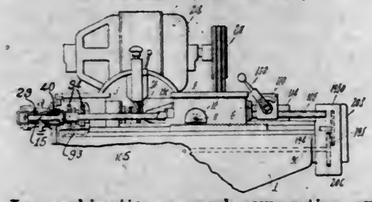
2,356,838
GASEOUS FUEL BURNER
Joseph E. Farrell, Toms River, N. J., assignor to National Engineering Foundation, Inc., Washington, D. C., a corporation of Delaware
Application April 2, 1942, Serial No. 437,437
8 Claims. (Cl. 158—53)

1. In a fuel burner for converting liquid fuel into gas, the combination with a casing having an air inlet and formed to provide a mixing chamber, and a main combustion ring at the outer edge of the casing; of a flame initiator unit within the casing above the inlet, said unit comprising a housing having an opening at its bottom and exposed to the airstream from said inlet, an air diffusing disc above said opening, a liquid fuel supplying head above the disc and including a



fuel cascading face, igniter means adjacent said face; a gas producing unit including a retort supported in the airstream above the flame initiator, means for aspirating the gaseous fuel from the retort into the mixing chamber and into the airstream below said retort, means for supplying air to the casing, and means for conveying liquid fuel to the supplying head and the retort.

2,356,839
TAILSTOCK
Ralph E. Flanders, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application August 26, 1941, Serial No. 408,368
14 Claims. (Cl. 51—237)

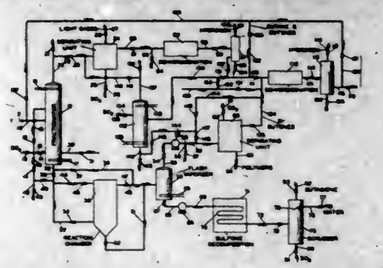


3. In combination, a work supporting spindle, a stock supporting said spindle for axial motion relative to said stock, means for moving said spindle axially comprising a rack bar mounted for motion substantially parallel to the axis of said spindle and relative to said stock, means for moving said rack bar axially, and means engageable with the teeth of said rack bar and operatively connected to said spindle causing motion of said rack bar relative to said stock to move said spindle relative to said stock.

2,356,840
CONCENTRATING DIOLEFINS
Frederick E. Frey and Robert D. Snow, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application April 1, 1941, Serial No. 386,324
4 Claims. (Cl. 260—681.5)

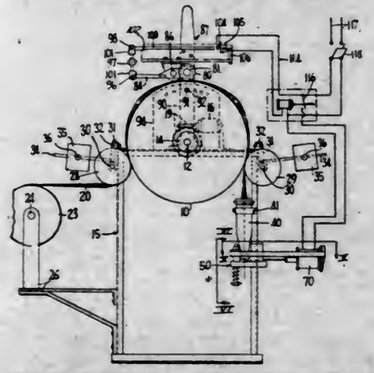
4. A continuous process for the separation of butadiene in the form of the monomeric sulfone

from a C_4 hydrocarbon mixture containing butadiene, butane and butene which comprises continuously fractionally distilling said C_4 mixture in the presence of sulfur dioxide in an amount substantially in excess of that required to form an azeotropic mixture with all the butane in said mixture in a fractional distillation zone, maintaining said zone at a temperature within the range of 60 to 80° C., continuously withdrawing overhead from said zone a low boiling fraction consisting essentially of sulfur dioxide and substantially all of said butane in azeotropic proportions, continuously withdrawing also from said zone a high boiling fraction comprising substan-



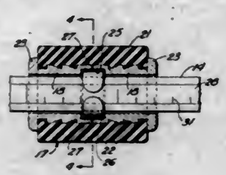
tially all of said butadiene and butene and the balance of said sulfur dioxide, continuously reacting said high-boiling fraction in the presence of sulfur dioxide in excess of the molecular equivalent of the unreacted butadiene contained in said high-boiling fraction at a temperature of from 60 to 80° C. and thereby selectively converting the unreacted butadiene content thereof to monomeric butadiene sulfone, and continuously flashing from the reaction mixture the unreacted portion thereof comprising butene and unreacted sulfur dioxide at a temperature below the decomposition temperature of said sulfone to leave a residue of said sulfone.

2,356,841
FILAMENT CUTTING APPARATUS
John J. Gregory, Catonsville, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application August 19, 1943, Serial No. 499,264
4 Claims. (Cl. 164—42)



4. An apparatus for cutting into sections filament stock having successive sections of varying thickness, a drum for receiving the filament upon the peripheral surface thereof, means for rotating the drum with the filament passing thereover, a pivotal support having its axis of pivoting coincidental with the axis of rotation of said drum, a control member movable on said support toward and away from the drum surface with the filament disposed between said member and surface whereby the filament in its varying thickness varies the position of said member, an electric circuit including a solenoid, a cutter connected to the solenoid for operation thereby, said control member and circuit including make and break contacts through which the electric circuit is completed in response to movement of said control member by the filament, means for carrying the filament away from the surface of the drum toward the cutter as he drum rotates, and means for adjusting the pivotal support about its axis of pivoting toward and away from the cutter.

2,356,842
TYPEWRITING MACHINE
William F. Helmond, Clinton, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 13, 1941, Serial No. 422,899
12 Claims. (Cl. 197—138)



1. A feed-roll, comprising, a feed-roll jacket of resiliently pliable material, and two annular bushings for said jacket adapted to be forced in concentric relation into axially neighboring positions in said jacket from opposite ends of said jacket and having teeth digging into said jacket to hold said bushings and jacket together.

2,356,843
PROCESS FOR MANUFACTURE OF IMPROVED LUBRICATING OILS
Robert W. Henry, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application October 9, 1941, Serial No. 414,380
2 Claims. (Cl. 252—45)

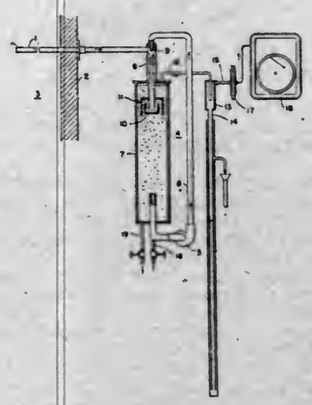
1. The process of refining a Mid-Continent lubricating oil stock having a viscosity index of at least 75 and a sulfur content below approximately 0.3% by weight which comprises incorporating into the oil stock approximately 0.625% to 5% by weight of elementary sulfur, heating the resulting mixture to a temperature between the approximate limits of 200° to 250° F. for a sufficient length of time as to cause substantially all of the added sulfur to combine with the oil stock without appreciable formation of hydrogen sulfide, and solvent extracting the so treated oil to remove any deleterious sulfur compounds and other undesirable components and leave a refined lubricating oil stock containing sulfur in the form of desirable sulfur compounds and comprising at least 95% by volume of the original oil stock, the extract containing not more than 20% of the added sulfur in the form of said deleterious sulfur compounds.

2,356,844
HEAT DISSIPATOR FOR MARINE ENGINES
Andrew Jackson Higgins, New Orleans, La.
Application May 11, 1942, Serial No. 442,526
1 Claim. (Cl. 257—124)



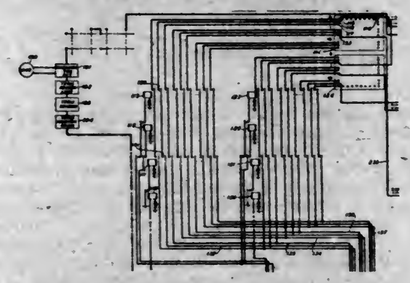
Heat dissipator for the cooling medium of a marine combustion engine, comprising headers, each formed with a chamber having a port adapted to be connected with the engine circulatory cooling system and an arcuate chamber adjacent the ported chamber, the ported chambers and the ends of the arcuate chambers communicating by parallel pipes to form a continuous serpentine passage from port to port, with bleeder vents communicating the chambers in each header, as specified.

2,356,845
GAS ANALYZING APPARATUS
Robert B. Hines, Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application August 14, 1941, Serial No. 406,838
11 Claims. (Cl. 23—254)



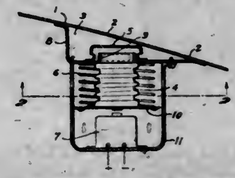
4. In combination with means defining a gas flow path, apparatus for continuously sampling gas from the gas flow path, comprising, a sampling pipe extending within the gas flow path and having an inlet open thereto, there being a continuously open aperture in the sampling pipe adjacent said inlet and means defining a path for liquid to said aperture for introducing a wash liquid into the sampling pipe at a point immediately adjacent its gas inlet whereby the liquid mingles with the gas in the pipe and continuously washes the walls of the latter.

2,356,846
TELEPHONE SYSTEM
Bernard D. Holbrook, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 13, 1943, Serial No. 498,465
10 Claims. (Cl. 179—22)



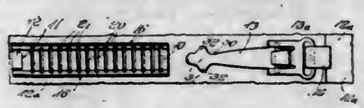
1. In a telephone system, subscribers' lines of a plurality of types identified by directory numbers, automatic switches, control equipment common to said lines and said switches, a set of terminals individual to each directory number, a set of terminals individual to each line in said switches, each set of line terminals including a test terminal, means to individualize one of said number terminals with one of said sets of line terminals by connecting one of said number terminals with the test terminal of said set of line terminals by a single conductor, means responsive to the registration of a directory number in said control equipment to connect said control equipment with the corresponding number terminal, and means operated over said conductor to indicate to said control equipment whether the associated line is busy or idle and to set up in said control equipment all the information necessary for operating said switches to complete a telephone connection with said line.

2,356,847
STALL WARNING DEVICE
John Holthe, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application December 1, 1942, Serial No. 467,483
3 Claims. (Cl. 200—81)



1. A switch mechanism for a stall warning device for an airfoil comprising, apertures formed in the skin of said airfoil in the area where it is desired to ascertain lift, a member secured to the under surface of the skin forming therewith a compartment over the apertured area, said compartment being substantially wedge-shaped, tapering to the rear of the airfoil, being formed by the skin and the compartment floor which is substantially parallel to the chord of said airfoil, a pressure responsive switch means, actuated by the pressure in said compartment, said apertures in the skin toward the rear of said compartment adapted to form a drain to prevent flooding of said compartment.

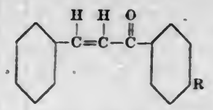
2,356,848
BUCKLE
Ireneus Basil Holtz, Ashville, Pa.
Application May 10, 1943, Serial No. 486,370
8 Claims. (Cl. 24—70)



1. A buckle for a shoe comprising a tongue formed of an elongated flat strip of metal having the side edges thereof rolled inwardly to provide spring catches, said tongue having spaced and transversely disposed slots, a latch member formed of a narrow strip of metal and having one end returned upon itself and inserted through one of the slots, the other end of the latch being curved and having laterally disposed ears adapted to be forced inwardly towards the tongue and past the rolled edges so that the ears will lie snugly between the free edges of the rolled side edges for retaining the latch member from displacement, the greater portion of the length of the clasp being out of contact with the tongue, and means on the first-mentioned end of the latch member and located between the tongue and the shoe for attaching the latch member to a part of the shoe.

2,356,849
MATERIALS IMPERMEABLE TO ULTRA-VIOLET RADIATIONS
William Horback, Newark, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 23, 1942, Serial No. 448,183
6 Claims. (Cl. 88—109)

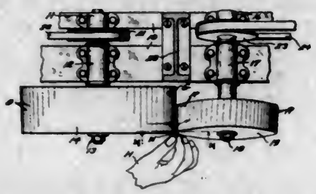
1. Films, foils, sheets and other articles characterized by being substantially opaque to ultraviolet light radiations, said articles comprising a plastic base material having incorporated therein a benzalacetophenone compound of the formula



where R is an alkyl radicle selected from the group consisting of methyl and ethyl.

2,356,850
FORMING CONICAL FRUSTUMS BY PROGRESSIVE CHAMFERING
William Horberg, Bridgeport, Conn.
Application January 28, 1943, Serial No. 473,820
6 Claims. (Cl. 51—289)

1. The method of reducing a mainly cylindrical work blank to a frusto-conical body by centerless processing which includes the steps of, placing the leading end of said blank in the receiving entrance of a tapered processing throat having a relatively narrow opposite extremity and bordered by a traveling processing surface and a feeding-in traction surface traveling in skewed relation to said processing surface, delivering said blank to the feeding-in urge of said traction surface so that said blank is drawn progressively farther and farther into the processing throat toward said narrow extremity thereof until said blank is reduced by said processing surface to a frusto-conical body whose leading end is the residuum of said leading end of said blank, blocking said frusto-conical body before said leading end thereof passes said narrow



throat extremity in a manner to resist the feeding-in urge of said traction surface thereon, and then ousting said body in a direction diverse from the feeding-in travel thereof with sufficient impelling force to dislodge said body from said surfaces and discharge said body from the processing throat.

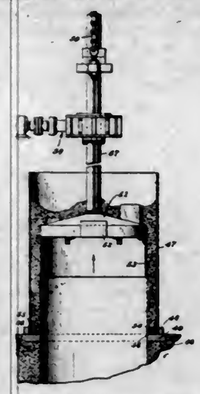
2,356,851
PHONOGRAPHIC TRANSLATING DEVICE
Charles Huenlich, Bloomfield, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application July 2, 1941, Serial No. 400,790
5 Claims. (Cl. 274—17)

1. In a phonographic translating device including a frame and adapted to coact with the surface of a moving record: the combination of a resilient vibratable member constituting the active vibration element of said device and characterized as having desirable and undesirable modes of vibration; a record-cooperating stylus; a stylus mounting rigidly securing the stylus to said vibratable member; a holder for said vibratable member movably mounted on said frame to permit the stylus to track the record surface; and resilient means connected between said holder and stylus mounting for applying a yieldable biasing force onto said vibratable member to hold the member in a constrained condition and restrain the same from undesirable vibrations.

2,356,852
METHOD AND APPARATUS FOR MAKING CONCRETE PIPE
George W. Hutchinson, Raleigh, N. C.
Application January 28, 1942, Serial No. 428,616
8 Claims. (Cl. 25—36)

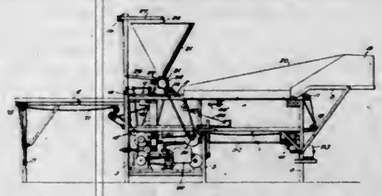
1. The method of making concrete pipe which comprises feeding a stiff concrete mix into the space between a cylindrical core and an outer form, imparting rapid axially and circumferentially distributed vibrations to the core from within the latter during feed whereby to compact the mix, relatively rotating the core and

the formed pipe, and moving the core and formed pipe axially apart while continuing the



relative rotation and vibrating the core to facilitate its release from the pipe.

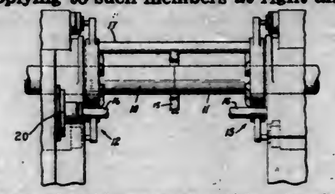
2,356,853
SANDWICH MAKING MACHINE
Gregory Harding Keller, Helena, Ark., assignor of fifty per cent to Robert E. McCormack, Albany, Ga.
Application July 24, 1942, Serial No. 452,238
11 Claims. (Cl. 107—1)



1. In a machine for making sandwiches from superposed wafers with an intermediate filling of a plastic material, a feeding table, means to form parallel continuously moving wafer feed conveyors on said table, means to supply filling positioned over one of said feed conveyors, means to form a transverse continuously moving assembly conveyor underlying said feed conveyors beyond the end of said feeding table, means underlying each of said feed conveyors projectable over said assembly conveyor to form extensions to said feeding table, and means operated in synchronism to said feed and assembly conveyors to retract said extensions to permit a wafer with filling to drop flat upon said assembly conveyor and to permit a wafer without filling to drop flat upon the wafer with filling, whereby a sandwich may be completed while the assembly conveyor and feed conveyers are in motion.

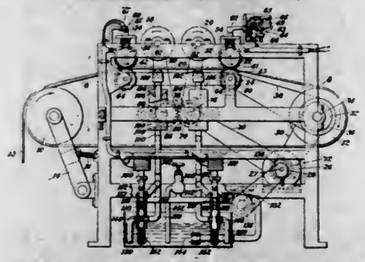
2,356,854
METHOD FOR TREATING WELDS
Stanley B. Kirk, New Rochelle, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application July 29, 1943, Serial No. 496,554
3 Claims. (Cl. 205—8)

1. A method of treating pressure welds between metal members to reduce the cross section at the welding region only which comprises maintaining only such region at an elevated temperature below the liquidus but not far below the solidus, and applying to such members at right angles to



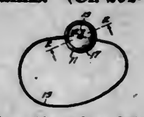
the plane of said pressure weld a tensile force sufficient to elongate only the metal at the welding region and to reduce its cross section.

2,356,855
MACHINE FOR OPERATING UPON HIDES, SKINS, AND LEATHER
Cutler D. Knowlton, Rockport, and David Edgar, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 9, 1942, Serial No. 457,734
19 Claims. (Cl. 69—41)



1. In a machine for operating upon hides, skins, and leather, work supporting means, means for feeding a spread out work piece through the machine, a pair of cylinders located above the work supporting means and operative to treat a work piece thereon, a feeler at the entrance end of the machine adapted to be engaged by the entering end of the work piece, means controlled by said feeler to cause operation of the work treating cylinder adjacent the entrance end of the machine, a feeler at the exit end of the machine, and means controlled by the last-mentioned feeler upon entrance of the work piece below the latter to initiate operation of the work treating cylinder nearer to the exit end of the machine, whereby said work treating cylinders operate in succession and in timed relation to each other as determined by said feelers.

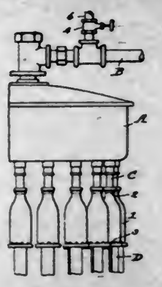
2,356,856
DETECTION SEAL
Albert J. Komenak, Stamford, Conn., assignor to The Excelsior Hardware Company, Stamford, Conn., a corporation of Connecticut
Application February 24, 1941, Serial No. 380,295
6 Claims. (Cl. 292—318)



1. A self locking tie wire detection seal including the combination of, chamber defining members permanently secured together, one of which members comprises a shallow thin-walled cup

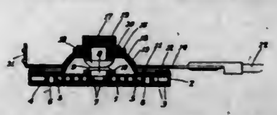
having an inwardly bent over rim and a central opening and the other of which members comprises a discal member having a flat faced planar brim and contains a central opening a stretch of tie wire adapted to pass straight through both of said openings and said chamber, a detent plate in said chamber, at least one wire locking instrumentality carried by said detent plate operative automatically to prevent withdrawal of said stretch of wire from said chamber in the opposite direction, and a different stretch of said tie wire bowed and fastened in planar contact with the flat face of said planar brim of the discal member by said bent-over rim of said cup.

2,356,857
METHOD OF WASHING BOTTLE FILLING MACHINES
Alexander Konrad, Cleveland, Ohio
Application March 15, 1943, Serial No. 479,270
2 Claims. (Cl. 134—23)



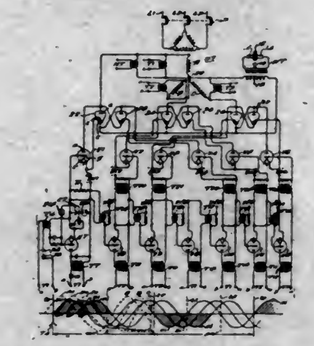
1. The herein described method of cleaning a bottle-filling machine of the type utilizing a rotary series of filling valves and a rotary series of bottle supports, said valves being adapted to open when bottles are raised thereagainst and to close when the bottles are lowered, which includes the step of feeding into the machine in lieu of the bottles, a succession of flush tubes of the same length as the bottles and open at the top and bottom, and directing into the machine a cleansing fluid to be released through the valves when opened by pressure of the tubes thereagainst.

2,356,858
PORTABLE VULCANIZER
Ralph E. Laurence, Fresno, Calif.
Application March 24, 1942, Serial No. 435,943
3 Claims. (Cl. 219—19)



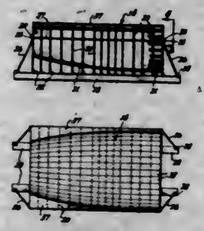
3. In an electric vulcanizer, a vulcanizing plate assembly including a housing having a metal top plate, an electric heating element in the housing in generally insulated relation thereto but connected at one end with the top plate, a contact strip adapted for connection with a lead wire and contacting the top plate, a bolt detachably securing the strip and top plate together and insulated therefrom, said bolt being adaped for electrical connection with another lead wire, and means in the housing connected to the element in insulated relation to the housing and establishing electrical connection with the bolt.

2,356,859
WELDING METHOD AND APPARATUS
Chester F. Leathers and Gustav E. Undy, Detroit, Mich., assignors to Progressive Welder Company, Detroit, Mich., a corporation of Michigan
Application February 27, 1941, Serial No. 380,830
11 Claims. (Cl. 171—97)



10. In a control system for a work circuit associated with an alternating current source having a plurality of phases which are displaced but overlap as to time, the combination of translating means for reducing the time displacement of said phases, a single phase transformer, means for delivering the combined current outputs of said phases to said transformer as a succession of impulses of alternately opposite polarity, each said impulse representing the summation of current components of like polarity supplied by the individual phases, said transformer including a primary winding portion through which components, of successively opposite polarity, of at least one of said phases flow in successively opposite directions, and means electrically connecting said work circuit to receive power from said transformer.

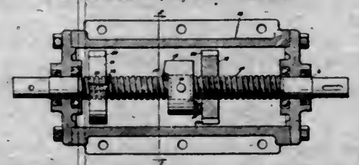
2,356,860
MOLD FOR HOLLOW BODIES AND METHOD OF CONSTRUCTING THE MOLD
William L. Lewis, Glendale, Calif., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application April 14, 1941, Serial No. 388,410
34 Claims. (Cl. 29—148.2)



2. A method of constructing a mold for a portion of a large hollow body of non-uniform cross section for aircraft and the like, characterized by the use of sheet material formed of metal and a plurality of rigid metal plates, said method including the steps of: cutting each of said plates to produce a cut edge conforming to the desired cross-sectional configuration of said body at one of a plurality of stations therealong; aligning said plates fixedly at positions spaced to correspond to said stations and in such manner that said cut edges conform substantially to the desired surface configuration of the hollow body; cutting said sheet material into a plurality of longitudinal gores; placing said gores across the cut edges of said plates and shaping same to conform with the configuration of the cut edges and with the over-all longitudinal configuration defined collectively by the cut edges, said gores being placed across said cut edges in sequence and in edge-to-edge relationship; and interconnecting the edges of said gores to form a unitary molding surface.

9. A mold of the character described for producing a hollow member of non-uniform cross section for aircraft and the like, said mold comprising: a plurality of transverse cradles spaced to correspond to selected stations on the desired hollow member and shaped to conform to the cross-sectional configuration of the hollow member at the corresponding stations; a plurality of longitudinal sheet metal gores of relatively narrow width disposed on said cradles, said gores being bent transversely to conform to the periphery of the desired member and being bent longitudinally to extend in smooth lines from cradle to cradle; and a reinforcement casting forming a thick unyielding wall extending from cradle to cradle against the lower surfaces of said gores to resist deformation and flexure of the gores under pressure.

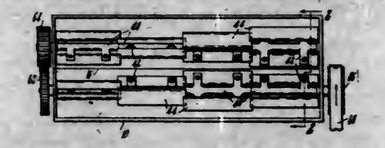
2,356,861
MECHANICAL LIMIT STOP
Harry W. Link, Merion, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application June 2, 1943, Serial No. 489,590
1 Claim. (Cl. 74—424.8)



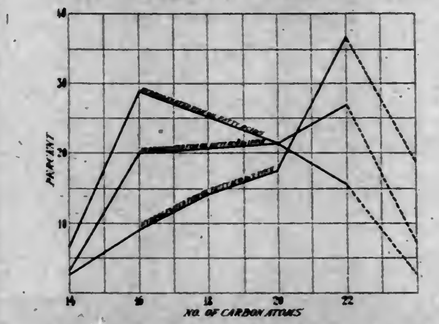
A mechanical limit control comprising a helically threaded rotatable shaft, a nut rigidly secured thereto for rotation therewith and having a shoulder thereon, a second nut threaded on said helical thread for relative rotation therewith and having a shoulder for engagement with the shoulder of said first mentioned nut when moved adjacent thereto, a casing containing said shaft and nuts, and means including a cover to which a key bar is secured for slidably engaging said second nut to prevent rotation thereof, whereby removal of the cover automatically removes the key bar to permit rotation of said axially movable nut, the rotation of said shaft causing said second nut to move axially along the shaft until said shoulders engage whereupon further rotation of the shaft is prevented by the inability of said second nut to move axially along said shaft.

2,356,862
MECHANISM FOR EXTRUDING MOIST CLAY AND THE LIKE
Sanford C. Lyons, Bennington, Vt., and David H. Young, Dry Branch, Ga., assignors to Georgia Kaolin Company, Elizabeth, N. J., a corporation of Georgia
Application January 24, 1942, Serial No. 428,042
11 Claims. (Cl. 25—11)

1. Apparatus for extruding moist clay, comprising a double trough having a pair of perforated cylindrical bottom portions merging into a central longitudinal ridge, a rotor mounted above each said bottom portion coaxially therewith, each said rotor comprising a shaft and paddles or propelling members mounted to move along the surfaces of said bottom portions as the shafts revolve, and means rotating said shafts simultaneously at unequal speeds and in relatively opposite directions.

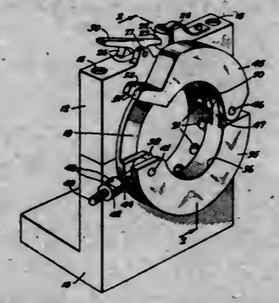


2,356,863
COATING COMPOSITION
Frederick H. MacLaren, Munster, and Elmer Wade Adams, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 8, 1941, Serial No. 382,432
7 Claims. (Cl. 106—14)



1. A slushing compound having superior antislipping properties comprising a petroleum fraction selected from the group consisting of petroleum oil, petrolatum and wax, and hydrogenated fish oil fatty acid pitch.

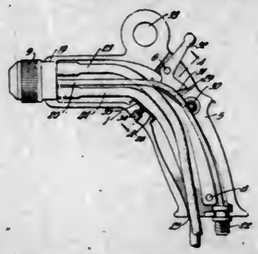
2,356,864
ARTICLE MANIPULATING APPARATUS
Samuel M. Martin and John G. Miller, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 27, 1943, Serial No. 480,875
7 Claims. (Cl. 29—89)



1. An article manipulating apparatus comprising a frame consisting of an L-shaped base hav-

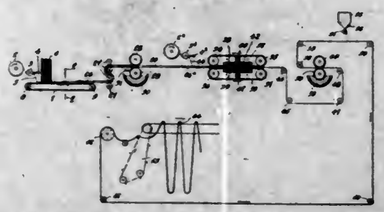
ing a semicircular cut out portion therein, a frame member removably secured to the base and having a semicircular cut out portion therein which coacts with the semicircular cut out portion in the base to form a circular opening, a double flanged bushing rotatably secured in the circular opening and having a plurality of radial holes spaced about the periphery thereof, a semicircular shoulder formed on the bushing, a semicircular clamp pivoted on the shoulder and having a slot in the end thereof, a latch pivotally connected to the shoulder and designed to enter the slot in the clamp and having a cam thereon for engaging the clamp above the slot to secure an article between the shoulder and the clamp, a detent, a spring for urging the detent into one of the radial holes in the bushing to prevent rotation of the bushing, and means for withdrawing the detent from engagement with the radial hole to permit the bushing to be rotated.

2,356,865
SPRAY GUN
William C. Mason, Slingerlands, N. Y., assignor to Amen David Abbott, Albany, N. Y.
Application June 6, 1942, Serial No. 446,046
4 Claims. (Cl. 299—140)



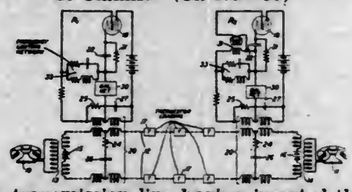
1. A spray pistol for simultaneously spraying a plurality of fluids comprising a handle portion, a barrel portion, a nozzle on said barrel portion, a plurality of resilient tubes within said handle for conducting a plurality of fluids to said nozzle; said tubes at least in one zone in said handle being confined in closely adjacent relation to each other; a cam for compressing said tubes against each other in said zone to shut off the flow of fluid therethrough, and a lever for manually actuating said cam.

2,356,866
MANUFACTURE OF ABRASIVE DISK MATERIALS
Romie L. Melton and Raymond C. Benner, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application October 6, 1941, Serial No. 413,788
9 Claims. (Cl. 51—293)



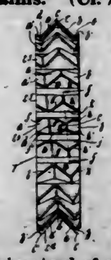
1. The method of making flexible abrasive disks which comprises dry-forming a felted fibrous disk backing material, applying an adhesive binder thereto and consolidating said backing, applying a fibrous layer to the upper surface of the consolidated backing after the application of the adhesive binder to the main fibrous body structure, combining the backing and top fibrous layer and setting the adhesive to provide a backing having the upper surface starved of adhesive and therefore receptive to a strong adhesive attachment of abrasive grains thereto, coating the upper surface with an adhesive, applying a layer of abrasive grain to the adhesively coated surface, setting the adhesive binder to secure the abrasive grains to the backing material and cutting abrasive disks therefrom.

2,356,867
NEGATIVE RESISTANCE LOADING
Stanley T. Meyers, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 14, 1942, Serial No. 454,796
19 Claims. (Cl. 179—80)



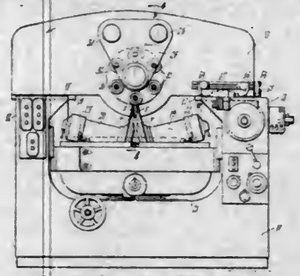
1. A transmission line having inserted therein at spaced intervals means giving a gain to signal waves transmitted over said line, circuit means for producing negative feedback around a path including the gain producing means and said line, and negative resistance devices inserted in the line at intervals between said respective gain producing means, for improving the gain-phase characteristics of said feedback path.

2,356,868
GEAR FINISHING TOOL
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application February 19, 1940, Serial No. 319,599
5 Claims. (Cl. 29—103)



1. A gear finishing tool of cylindrical gear character composed of material suitable for metal cutting tools having gear-like teeth arranged on a pitch line surrounding the axis of the tool conjugate to the gears to be finished, and of which the teeth are truncated transversely on planes inclined to their height and length dimensions and have cutting edges at the intersections of their side faces with such truncation planes, the sides of the teeth being recessed to provide clearance spaces, and the boundaries of such clearance spaces being short of the cutting edges leaving lands immediately contiguous to the cutting edges.

2,356,869
METHOD AND APPARATUS FOR GENERATING GEARS BY PLANETARY MOTION
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application February 10, 1942, Serial No. 430,220
24 Claims. (Cl. 51—133)



1. The method of generating tooth curves in work gears, which consists in revolving a work gear in an orbit, simultaneously rotating such gear about its individual axis in the opposite direction to its revolutional movement, operating a cutting tool to produce a cutting movement across a portion of the orbit of the teeth of the work gear farthest distant from the axis of the orbit, and effecting a rolling relative displacement between such orbit and tool substantially in the plane of the orbit.

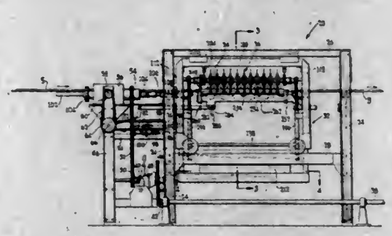
2,356,870
MASTIC COMPOSITION AND FLOORING
Stuart P. Miller, Scarsdale, N. Y., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application December 31, 1940, Serial No. 372,677
9 Claims. (Cl. 106—282)

1. A mastic composition consisting of from 8% to 17% by weight of a digestion pitch product obtained by heating a hydrocarbon-containing mineral substance with a member of the group consisting of coal tar, water gas tar and their oils and pitches at a temperatures above 240° C. and for a time such that the mixture is digested to form a product which, when molten, behaves substantially as a homogeneous fluid and having a softening point (R. & B.) of from 140° to 200° F., penetrations at 0° C. of not less than 1, at 25° C. of from 5 to 40, and at 46.1° C. of not more than 175, mineral filler, substantially all of which passes a #200 sieve, in amount from 5% to 30% by weight, and the remainder of the composition consisting substatnially entirely of not more than 30% mineral aggregate passing a #40 sieve and retained on a #200 sieve, not more than 40% mineral aggregate passing a #10 sieve and retained on a #40 sieve, not more than 40% mineral aggregate passing a #4 sieve and retained on a #10 sieve, not more than 25% mineral aggregate passing a one-half inch sieve and retained on a #4 sieve, and not more than 15% asbestos fibers.

2,356,871
CONJOINT POLYMERIZATION PRODUCTS
Eugene W. Moffett and Roy E. Smith, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
No Drawing. Application April 5, 1940, Serial No. 327,996
4 Claims. (Cl. 260—86)

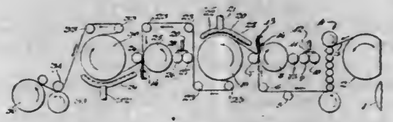
4. As a new composition of matter, the resinous product of the conjoint polymerization of a mixture of vinyl chloride and a compound of the group consisting of allyl chloride and methallyl chloride, the compound of said group being in the ratio of 2 to 50 percent of the mixture.

2,356,872
KNIFE
Antonio Monaco, Maspeth, Long Island, N. Y.
Application December 26, 1942, Serial No. 470,277
21 Claims. (Cl. 107—22)



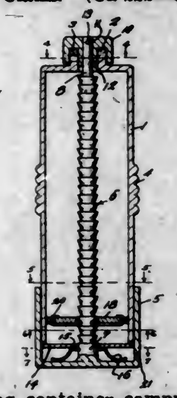
1. A machine for cutting pastry strips and the like continuously moved by a conveyor to, through and beyond said machine, said machine comprising in combination, a knife, means to reciprocate said knife longitudinally of said conveyor, and separate means to move said knife around an endless closed path, through one portion of which said knife traverses said conveyor in position to cut the strips thereon and through another portion of which said knife retraverses said conveyor and is spaced from said strips so as not to contact the same.

2,356,873
COATING APPARATUS
Gerald D. Muggleton, Appleton, Wis., assignor to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis., a corporation of Wisconsin
Application January 27, 1941, Serial No. 376,027
2 Claims. (Cl. 91—33)



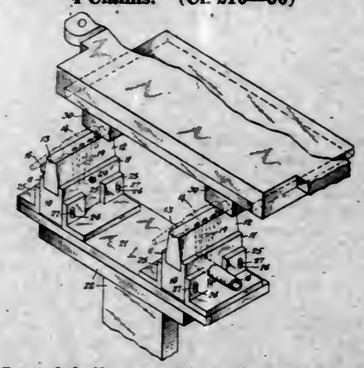
1. A device for coating paper which comprises, a rotating coating roll, means for continuously applying a coating material to the surface of said roll, a rotating bed roll in substantially osculating relationship with said coating roll, said rolls rotating in opposite angular directions, means for passing a web of paper into the nip of said rolls in the direction of rotation of said roll surfaces whereby a portion of the coating material carried upon the coating roll is transferred to a surface of the web, means for supporting said web upon said bed roll, a coating stripping blade position adjacent the exit side of said nip, said blade having an edge in contact with said coating roll to strip coating material from said coating material and apply the same to said web, and means carried by said stripping blade for smoothing said coating on said web while the same is supported upon said bed roll.

2,356,874
DISPENSING CONTAINER
Rene F. Nageotte, Waterbury, Conn.
Application June 3, 1942, Serial No. 445,610
1 Claim. (Cl. 222—387)



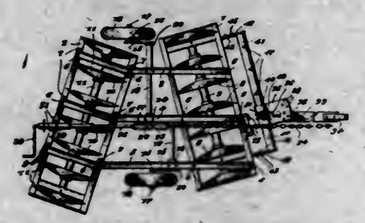
A dispensing container comprising a tubular body having a front end neck provided with a lateral discharge aperture, said body having an open rear end, a closure cap slidable on said neck forwardly and rearwardly to open and close said aperture, respectively, a closure disk loosely fitted against said open end, a cup-like section fitted over the rear end of said body and said disk for sliding thereon forwardly and rearwardly, respectively, a bowed spring in said section interposed between the same and said disk and tensioning said section against forward movement, a follower slidable forwardly in said body to force the contents thereof out of said aperture, and means operative by forward sliding of said section to correspondingly slide said cap and follower, said means including a ratchet shaft and ratchet dogs on said follower, said ratchet shaft being provided with circumferential rearwardly tapered teeth, and said dogs comprising leaf springs on the rear side of said follower wipingly engaging said teeth.

2,356,875
LABELING MACHINE
Hans A. Nefzger, Hackensack, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application November 6, 1943, Serial No. 509,167
4 Claims. (Cl. 216—56)



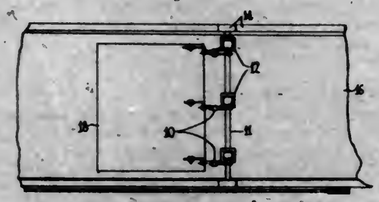
1. In a labeling machine, the combination of an upright bracket, a base-plate carried by said bracket, angle irons secured upon said base-plate and having upwardly-projecting members located in opposed spaced parallelism with each other, a vertically movable block mounted between said upwardly-projecting members and having a channeled upper surface, said block being provided with an interior chamber connected with a source of suction and having at least one relatively reduced vent terminating at said channeled upper surface, a supporting member terminating in a seat for the accommodation of articles to be labeled, said supporting member being removably secured in the channeled upper surface of said block and having at least one channel in communication with said reduced vent and opening at said seat whereby an article to be labeled will be maintained in said seat, by suction, against unintentional shifting, and yielding means effective on said block to enable the latter to yield under label-applying pressure and thereby prevent the latter from injuring said article.

2,356,876
DISK HARROW
Clarence E. Newkirk, Orange, Calif.
Application August 5, 1942, Serial No. 453,736
10 Claims. (Cl. 55—73)



1. In an agricultural machine of the character described, front and rear disk-carrying frames extending transversely of the machine in converging relation to each other toward one side of the machine, a draft bar carried by the front frame in front thereof substantially parallel to the front frame, a mounting shiftable along the draft bar to adjusted positions transversely of the machine, and a draft beam carried by and extending forwardly from the mounting, said mounting being adapted to be turned about the draft bar for vertical swinging adjustment of the draft beam.

2,356,877
AUTOMATIC CUTTING APPARATUS
Alfred C. Oakes, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application October 20, 1942, Serial No. 462,704
5 Claims. (Cl. 33—32)



1. In a cutting apparatus, an arm having a cutter thereon, means for pivotally supporting the arm, a weight on the arm exerting force to press the cutter upon the work to be cut, a motor having a cutter-actuating crank member thereon, and a lost motion connection between said member and the arm providing for appreciable difference between the travel of said member and the arm actuated thereby and responsive to operation of the motor to actuate the cutter toward and away from the work.

2,356,878
VEHICULAR GLAZING CONSTRUCTION
Frank F. Painter, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 5, 1940, Serial No. 364,435
5 Claims. (Cl. 189—64)

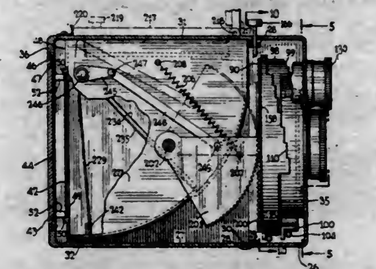


1. In a closure structure for an opening in a wall, an interlayer of flexible organic plastic, glass plates bonded on opposite sides of the interlayer and defining therewith a laminated unit, marginal portions of the interlayer extending beyond the edges of the glass plates and constituting a flexible sealing border, edges of the glass plates being offset and defining a single thickness of glass along and beyond which the interlayer extends, clamping frame members pressing in sealing relation upon opposite sides of the extended marginal border of the interlayer, one of said frame members overlapping the single thickness of glass and having a portion of the interlayer between the latter frame member and the glass of single thickness, the other frame member having its border-clamping portion disposed beyond the edges of the glass, and means for clamping the frame members to the sealing border in their sealing relation.

2,356,879
PROCESS OF PREPARING LUSTROUS COATINGS
Walter Pense and Werner Asch, Frankfort-on-the-Main, Philipp May, Ludwigshafen-on-the-Rhine, and Hermann Stärk, Bad Soden in Taunus, Germany; vested in the Alien Property Custodian
No Drawing. Application November 26, 1940, Serial No. 367,262. In Germany December 12, 1939
2 Claims. (Cl. 117—142)

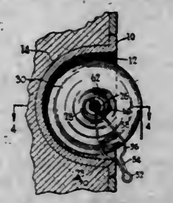
1. The process of producing lustrous coatings on materials of fibrous structure selected from the group consisting of leather, artificial leather, oilcloth, vulcanized fiber, paper board which comprises applying to the said materials a solution of a salt of the free acid from the interpolymerizate from maleic anhydride and vinyl butyl ether and subsequently glazing the impregnated materials.

2,356,880
REFLEX CAMERA
Joseph Pignone, Brooklyn, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application August 21, 1940, Serial No. 353,483
21 Claims. (Cl. 95—42)



3. A reflex camera comprising an objective lens, a member disposed rearwardly of said lens and having an aperture adapted to receive photographically sensitive material, a shutter, a viewing screen, a reflex mirror intermediate said shutter and said apertured member, means to mount said mirror for reciprocal movement from a first position in which it will reflect light from said lens to said viewing screen to a second position in which it will allow light to pass uninterruptedly from said lens to said aperture and in which second position it will prevent light from entering said camera through said viewing screen, a capping plate associated with said mirror, means to mount said capping plate for reciprocal movement from a first position in which it blocks light from said aperture to a second position in which it clears said aperture, means to reciprocate said capping plate between its said positions, and means interconnecting the capping plate and reflex mirror for moving said mirror from its first named to its second named position upon movement of the capping plate from the latter's first named to its second named position and while the capping plate is still blocking said aperture and for moving the mirror from its second named to its first named position upon movement of the capping plate from the latter's second named to its first named position and while the capping plate is moving and is blocking said aperture.

2,356,881
TOOL
Leo Pollock, New York, N. Y.
Application July 18, 1942, Serial No. 451,393
2 Claims. (Cl. 81—5.1)



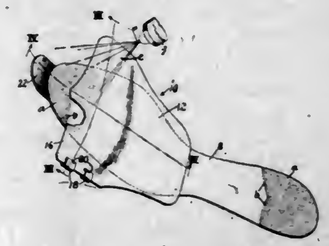
1. A toilet paper roll holder remover made from resilient wire and comprising a pair of arcuate opposed portions the rear ends of which cross over each other at an oblique angle and are integrally connected to the close ends of diverging handle portions whose opposite remote ends are

integrally connected through a pair of outwardly convex converging portions to a bight which is so constructed as to urge said arcuate portions together to form a loop, the forward ends of said arcuate portions being in abutment when said loop is closed and having reversely curved tips which are tapered toward the plane of said loop, said arcuate portions being thinner than said straight members and at least one thereof having an indentation at the point of cross-over.

2,356,882
DISPERSIONS OF THERMOPLASTIC HYDROCARBONS
Rotheus B. Porter, Jr., Stamford, Conn., assignor to Bennett Incorporated, Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application February 25, 1943, Serial No. 477,134
8 Claims. (Cl. 252—311.5)

1. In the preparation of an aqueous dispersion of a thermoplasic hydrocarbon involving the melting of such hydrocarbon with substantially nonvolatile, thermoplastic pyrogenous residue, obtained from the distillation of the liquid resin separated from spent alkaline pulping liquor resulting from the pulping of pinewood, and the commingling of the melted mixture with an aqueous solution of a caustic alkali up to about 10% strength, that improvement which comprises dissolving an alkali metal pyrophosphate in the amount of about 0.25% to 2.0% in said aqueous solution of caustic alkali preparatory to commingling it with said melted mixture and thereby promoting a dispersion of said hydrocarbon in said aqueous solution containing as stabilizer for the dispersion both said alkali metal pyrophosphate and soap resulting from the saponification of said pyrogenous residue by said caustic alkali.

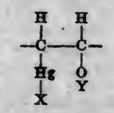
2,356,883
WORK HOLDING AND MASKING DEVICE
Walter W. Prue, Auburn, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 17, 1942, Serial No. 455,046
7 Claims. (Cl. 36—72)



1. Work holding means comprising a pair of members adapted to engage the opposite sides of a shoe part, the work engaging surface of one of said members being transversely convex and the other of the members having a work engaging surface a portion of which mates with the convex work engaging surface of the one member and another portion of which is longitudinally concave, said members being adapted when brought into engagement with the shoe part to bend the same both transversely and longitudinally.

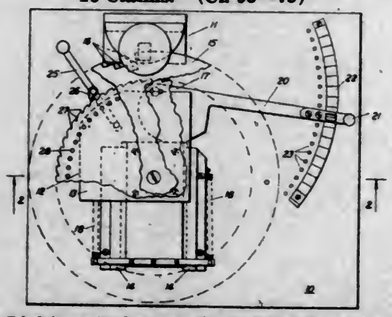
2,356,884
MERCURATED ALIPHATIC AMINES
Anderson W. Ralston and Miles R. McCorkle, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 21, 1938, Serial No. 241,691
5 Claims. (Cl. 260—431)

1. Mercurated aliphatic amines containing at least ten carbon atoms in at least one of the alkyl groups and characterized by the presence of at least one



group in the molecule, wherein X is an acid radical whose mercuric salt is soluble in a solvent chosen from one of the group consisting of water and alcohol and Y is one of the group consisting of hydrogen and an alkyl group containing not more than 5 carbon atoms; and salts of such mercurated amines.

2,356,885
LIGHT CHANGE APPARATUS
Arthur E. Reeves, Los Angeles, Calif.
Application July 1, 1941, Serial No. 400,582
16 Claims. (Cl. 95—75)

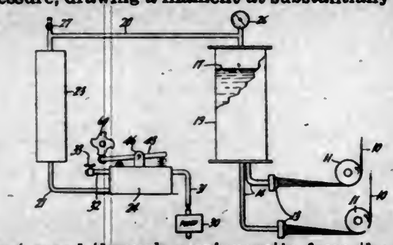


1. Light control apparatus of the character described which includes: a light source; a housing enclosing said source and having an aperture therein; a rotatable member attached to said housing and substantially clear of said aperture, said rotatable member having a ratchet portion thereon; a mask having notches in the edge thereof adapted to be mounted on said rotatable member and positioned thereon by means of register pins on said rotatable member, said mask permitting a continuous but variable passage of light in accordance with the depth of said notches; and a reciprocable member moving between limits and having a pawl thereon adapted to engage the ratchet portion of said rotatable member and move an adjacent notch of said mask into alignment with said aperture.

2,356,886
PROCESS AND APPARATUS FOR PRODUCING FILAMENTS
Joseph J. Reis, Jr., Catonsville, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application January 27, 1942, Serial No. 428,396
8 Claims. (Cl. 18—8)

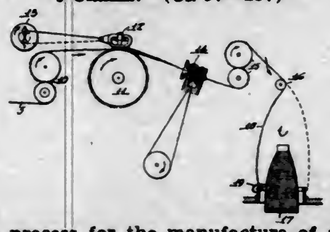
1. In a process for the production of artificial filaments from a confined body of spinning solu-

tion of organic plastic, the steps which comprise exposing the top surface of the spinning solution to a confined body of gaseous fluid under pressure, drawing a filament at substantially con-



stant speed through a spinnerette from the body of spinning solution, and periodically increasing and reducing pressure pneumatically in the gaseous fluid upon the top surface of the solution while the filaments are being drawn therefrom.

2,356,887
PROCESS FOR THE MANUFACTURE OF STRONGLY CURLED, WOOLLIKE TWISTED YARNS OF ENDLESS THREADS
Georg Rutishauser, Triboltingen, Switzerland
Application April 27, 1943, Serial No. 484,760
In Switzerland May 9, 1942
9 Claims. (Cl. 57—157)



1. A process for the manufacture of strongly curled, wool-like twisted yarns of endless threads which comprises displacing the individual filaments and the crimping arcs of a fibre bundle consisting of curled endless threads and having approximately the same titre as the final product, longitudinally and transversely in such a manner relatively to one another and in the various planes, that the mass of fibres is strongly loosened and assumes a volume at least 15 times larger, and then converting the resultant loosened fibre mass into the desired wool-like yarn of curled endless threads by slightly rounding and twisting it without applying any drawing and stretching operation.

2,356,888
LINK FOR HINGE LASTS
George F. Ryan, Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 15, 1943, Serial No. 506,401
13 Claims. (Cl. 12—136)



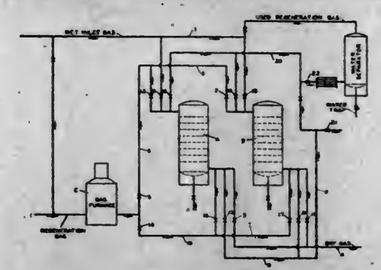
1. A link for a hinge last, said link comprising an inextensible mid portion, resiliently extensible end portions, and stop members connected with said mid portion and arranged to engage said end portions to permit only a limited amount of extension thereof.

2,356,889
AGRICULTURAL IMPLEMENT
Arthur A. Scarlett, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey
Application March 18, 1942, Serial No. 435,127
6 Claims. (Cl. 97—42)



1. In combination, a pair of agricultural implements arranged in lateral alinement with respect to each other, each of said implements including a main tool-carrying frame and a draft frame connected to the main frame, flexible means for combining the agricultural implements into a double arrangement made to operate as a single unit when connected to a tractor draw element but providing for free vertical flexing of the implements upwardly or downwardly with respect to each other, said combining means including hitch members respectively rigidly connected to the draft frames of the implements, means for hingedly connecting the draft members together at a location removed from their connection with the draft frames to permit relative vertical movement of said draft members bodily, and means for tying together the inner ends of the main frames of the implements to permit relative vertical movement of said inner ends, whereby free vertical flexing of the implements and their hitch members may be effected.

2,356,890
PROCESS FOR THE DEHYDRATION OF FLUIDS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 2, 1942, Serial No. 429,331
9 Claims. (Cl. 196—4)



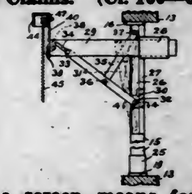
1. The process for the dehydration of non-aqueous fluids containing relatively minor amounts of dissolved water which comprises passing said fluids in contact with a solid desiccant consisting of granular adsorbent carrier having marked dehydrating properties and impregnated with minor proportions of a hygroscopic salt in such a manner that the concentration of said salt increases in the direction of fluid flow through the desiccant.

2,356,891
KEY FOR LOCKS
Otto E. Seiffert, Detroit, Mich.
Application October 8, 1942, Serial No. 461,309
2 Claims. (Cl. 70—411)



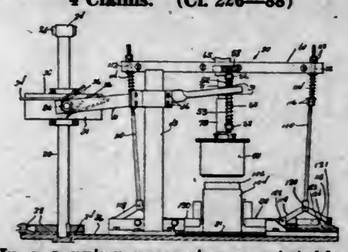
1. A key for a lock, comprising a handle and cylindrical core having projecting shoulder portions at the inner ends of said handle and core, a plurality of discs with radially projecting portions and having central openings to fit on to said core and closely stacked on said core and against said shoulder portions and extending to the outer end of said core, the outer end of said core being riveted to hold said discs on said core, and a spline of flexible material mounted on and extending along said core from said shoulder portions to the outer end thereof and extending into a keyway in said discs.

2,356,892
FIREPLACE SCREEN
James F. Shannon, Bellevue, Wash.
Application January 21, 1942, Serial No. 427,573
7 Claims. (Cl. 160—333)



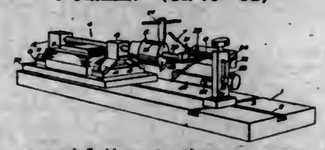
1. Fireplace screen means for supporting a metal fireplace screen, comprising supports rigid with a fireplace; and screen carrying means carrying said screen and adjustably supported by said supports for movement of said screen toward and away from said fireplace.

2,356,893
CAPPING APPARATUS
Albert I. Shomperlen, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application October 29, 1942, Serial No. 463,773
4 Claims. (Cl. 226—88)



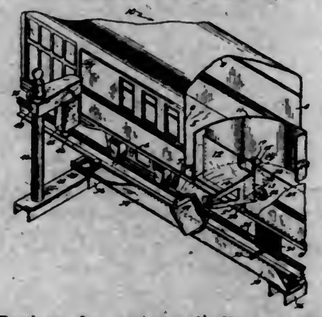
1. In a capping apparatus, a rotatably driven axially slidable shaft, a thrust bearing rotatably mounted upon said shaft, said bearing carrying a yoke in axially fixed position with respect to the shaft, a head upon the lower extremity of the shaft, and being adapted to engage and spin a cap upon a screw-capped container, jaws below said head and being transversely reciprocable to engage and disengage a container to be capped, actuating devices for reciprocating the jaws, connecting means between the devices and the yoke and means to raise and lower the yoke, simultaneously vertically to move the shaft and to reciprocate the jaws, said means to raise and lower the yoke comprising a shifter lever having a fixed pivot and further being pivoted at one end to the yoke and a driven cam having surface contours corresponding to the phases in the cycle of operation of both spindle and the jaws, operatively engaging a follower element upon the lever to operate the latter at predetermined intervals.

2,356,894
UNIVERSAL RESONANT TYPE FATIGUE TESTING MACHINE
John C. Sims, Jr., Philadelphia, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application October 8, 1942, Serial No. 461,259
6 Claims. (Cl. 73—51)



1. A resonant fatigue testing apparatus for materials comprising, in combination, an exciter having a member with a rotary vibratory action, means for supporting said exciter member in its operative position independently of a specimen to be tested a specimen grip adapted to hold one end of the specimen while the other end is free to move in accordance with the rotary vibratory motion imparted thereto, and means for vibrating said grip by said exciter member so that the rotary vibratory movement is imparted to the specimen from its held end while its free end is adapted to move as aforementioned.

2,356,895
DISCHARGE AND PICKUP APPARATUS FOR TRAVELING TOY RAILWAY CARS
Richard G. Smith, Amsterdam, N. Y.
Application February 24, 1941, Serial No. 380,340
19 Claims. (Cl. 258—6)



14. Devices for automatically unloading and loading toy articles with respect to a traveling toy railroad car, including in combination with said car, a plurality of load simulating toy articles, an article storing compartment fixedly stationed in said car, a toy track along which said car is impelled, a rest stationed to support a load article in releasable manner in a position near said track, and article motivating instrumentalities carried at least in part by said car constructed and arranged to swing horizontally about a common vertically extending pivot relative to said compartment in a manner to eject from said car an article contained in said compartment and also to scoop said loadable article away from said rest into said car as the latter approaches and passes said rest.

2,356,896
PREPARATION OF POWDERS FROM PLASTIC MATERIALS
Roy E. Smith, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application March 22, 1940, Serial No. 325,403
8 Claims. (Cl. 260—73)

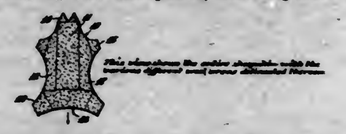
6. A process of preparing finely divided powders from tough thermoplastic resin, which comprises dissolving the said thermoplastic resin in a liquid solvent, adding a liquid non-solvent diluent to the solution, the non-solvent being miscible with the solvent, in an amount approximately to effect incipient gelation but insufficient to cause substantial permanent precipitation of the plastic at the temperature of addition, chilling the resultant solution to form a gel and to effect syneresis of the formed gel and agitating the gel during syneresis to break it up and to liberate solvent, thus forming a finely divided dispersion of plastic, then while the suspension is still chilled diluting the solvent with additional non-solvent to provide a non-agglomerating dispersion of finely divided material, and removing the mixture of solvent and non-solvent to form a dry powder, most of which will pass a screen of 200 mesh.

2,356,897
PROCESS FOR ELECTRODEPOSITION OF METAL
James R. Stack, deceased, late of Montpelier, Vt., by Alvilda L. Stack, executrix, Pittsburgh, Pa., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 10, 1941, Serial No. 392,948
12 Claims. (Cl. 204—108)

1. The process for the electrodeposition of metal of the group consisting of copper, tin and lead, which comprises electrolyzing an electrolytic bath consisting solely of an aqueous solution of an aromatic sulphonic acid and dissolved metal of said group with an insoluble anode made of an alloy consisting of lead and antimony in which the amount of antimony present is at least about 20% of the total composition but is insufficient to materially increase the operating voltage over that required with such an anode containing about 20% of antimony.

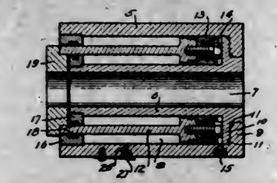
2,356,898
METHOD OF WOOL PULLING AND SORTING
Stanley S. Steinharter, Cincinnati, Ohio, assignor of one-fifth to Augusta K. Steinharter and one-fifth to Carlisle Y. Steinharter, both of Cincinnati, Ohio, and one-fifth to N. Parker Swift, one-fifth to E. N. Morang, and one-fifth to Al West, all of Detroit, Mich.
Application January 15, 1944, Serial No. 518,455
3 Claims. (Cl. 19—2)

1. In the art of wool pulling and sorting the method which includes the steps of moving a sheepskin in front of a series of operators, each of whom removes the wool from a specific defined area of the sheepskin, the superior main



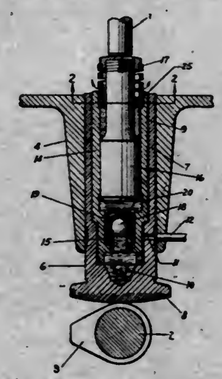
or back grade being removed by the last operator in the series after the prior removal of the inferior grades by the preceding operators in the series.

2,356,899
HYDRAULIC JACK
Clinton Stutter, Maspeth, N. Y.
Application December 24, 1942, Serial No. 470,051
2 Claims. (Cl. 309—1)



2. In a device of the character indicated, a pair of concentric cylindrical members closed at their base ends and defining an annular cylinder space, a ram in said cylinder, said ram comprising a cylindrical sleeve having an enlarged annular piston head at the inner end thereof fitting said cylinder, packing and guide means for said ram sleeve comprising an annular guide member removably secured in the outer of said concentric cylindrical members and an annular guide member removably secured to and about the inner of said cylindrical members, said guide members being spaced apart annularly to receive said ram sleeve, and a removable head on said ram sleeve and positioned exteriorly of said packing and guide means.

2,356,900
TAPPET CONSTRUCTION
Carl Voorhies, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 15, 1942, Serial No. 447,045
9 Claims. (Cl. 123—90)



9. In a valve tappet of the hydraulic type having a predetermined range of self-compensation

for adjustment of clearance dimensions in the valve train of a variable speed internal combustion engine which may induce false valve action at certain engine speeds; said tappet having a tappet body with a longitudinal bore adapted to receive a hydraulic compensating mechanism, a liquid reservoir in the tappet bore, valve means for regulation of movement of operating liquid into the hydraulic mechanism to effect the necessary range of compensated length of said tappet, and means associated with said mechanism to be acted upon by a predetermined amount of escapement of operating fluid to affect the normal rate of elongation thereof during said false valve motion without affecting the range of compensation thereof during normal valve action.

2,356,901
METHOD OF CONSTRUCTING BUSHING FIXTURES FOR METALLIC CONTAINERS
Louis B. Wackman, Richmond Heights, Mo.
Application August 30, 1940, Serial No. 354,904
4 Claims. (Cl. 29—148.2)



1. The method of constructing a bushing fixture in a sheet metal wall for a container, consisting of forming a neck around an opening in a wall of the container, mounting a wire seal ring over said neck, of engaging the small end of a tapered collar over said neck and in said ring, of pressing the collar in said ring to abut the small end of the collar against the wall and for outwardly flaring the ring, and of securing the neck to the collar.

2,356,902
MEANS FOR AND METHOD OF MOLDING PLASTIC ARTICLES
Zachary T. Walter, Los Angeles, Calif.
Application June 19, 1943, Serial No. 491,530
4 Claims. (Cl. 18—47)

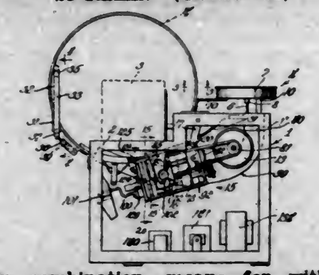


4. In combination, a mold presenting a reversely curved surface adapted to form a curved plastic article to be cured thereon, a fabric strip impregnated with a plastic soluble in a solvent which will not dissolve the article, said plastic binding the strip to said surface and being capable of adhering to the article and said plastic being of a type which is capable of adhering to both the mold surface and the article with an adhesive force greater than the contracting force exerted on the article by curing, and a solvent-passing opening in the mold communicating with the strip.

2,356,903
SOAP-FREE DETERGENTS IN BAR FORM
Richard C. Wood, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application February 5, 1941, Serial No. 377,539
6 Claims. (Cl. 252—161)

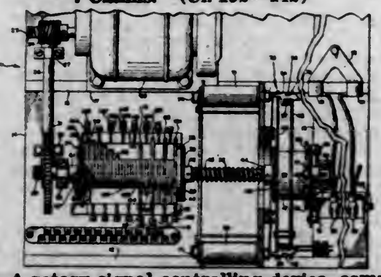
1. A substantially soap-free detergent in bar form comprising: a substantially solid water-soluble salt of a sulfated fatty alcohol having more than eight carbon atoms in the alkyl radical, which salt is characterized by its high solubility in water, its resistance to precipitation by the constituents of hard water, and its effective detergent properties; a polyhydric alcohol partially esterified with a fatty acid having at least twelve carbon atoms in the molecule, in amount not exceeding about thirty-three per cent; and at least about 5 per cent and not over about forty per cent of an inorganic chloride selected from the group consisting of sodium chloride and potassium chloride.

2,356,904
BANDING MACHINE
Ernest Robert Werkman, Chicago, Ill.
Application October 2, 1940, Serial No. 359,334
23 Claims. (Cl. 100—31)



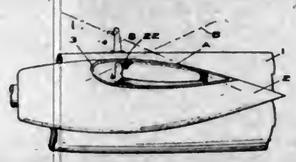
1. In combination, means for withdrawing wire forwardly from a supply and subsequently reversing the direction of movement of the wire, a tubular member, and guide means adapted upon the reverse movement of the wire for deflecting the wire into said tubular member.

2,356,905
INTEGER STORAGE MECHANISM
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original application October 1, 1941, Serial No. 413,079. Divided and this application April 12, 1943, Serial No. 482,731
7 Claims. (Cl. 192—142)



1. A rotary signal controlling device, comprising a frictionally driven wheel, a plurality of settable bars peripherally disposed above said wheel each bar having a spring element urging it in one direction and including a shouldered portion for latching said bar when moved in the opposite direction, stop means for arresting said wheel in accordance with the setting of one of said plurality of bars, an electromagnet for withdrawing said stop means to release said wheel to rotation, and a cam device for resetting each of said bars after said wheel has been released to rotation.

2,356,906
FUEL CELL VENT SYSTEM
Curt L. Zitza, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application January 25, 1944, Serial No. 519,607
12 Claims. (Cl. 244—135)



1. In combination in an airplane having wings and a fuselage, a tank for the storage of fuel located in the wing panels on each side of said fuselage, a centrally located vent for such tanks secured to said fuselage and vent lines interconnecting said vent and vent line fittings located at the outboard, upper end of said tanks.

2,356,907
1,3-DIARYLISOBENZOFURANS AND PROCESS FOR PREPARING THE SAME
Roger Adams, Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 27, 1940, Serial No. 348,073
6 Claims. (Cl. 260—346)

1. 1,3-diarylisobenzofurans which carry in one of the pairs of positions 4,7- and 5,6- radicals of the group consisting of alkyl and aryl radicals.

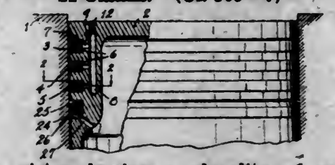
5. The process for preparing 1,3-diarylisobenzofurans which comprises subjecting 1,3-diaryl-4,7-dihydroisobenzofuran to the action of two moles of bromine in the presence of sodium acetate and subjecting the resulting diaroylbenzene compound to reduction with alcoholic caustic and zinc.

2,356,908
CLOTHESLINE PROP
Forrest Arrowsmith, Munster, Ind.
Application August 7, 1943, Serial No. 497,817
2 Claims. (Cl. 248—353)



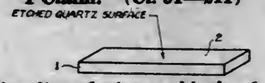
1. In a device of the character described, line securing means having a slotted portion arcuately shaped at the center and terminating in outwardly divergent portions forming a central nose portion, the said slotted portion having its upper portion undercut at the ends to provide locking teeth adapted to cooperate with said nose portion to hold a line securely in place when the said line is taut.

2,356,909
PISTON
Irving E. Aske, Muskegon, Mich.
Application October 25, 1943, Serial No. 507,489
11 Claims. (Cl. 309—7)



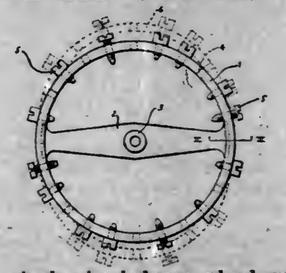
7. A piston having a plurality of vertically spaced compression ring grooves, split resilient expansible compression rings arranged in said grooves, said rings having a substantial clearance between the same and the rear of their grooves, at least two of the upper rings each having a series of spaced depressions in the upper sides thereof to permit gases under pressure to flow to the clearance to the rear thereof, said upper rings having a relatively slight side clearance in their grooves to reduce reciprocation thereof in their grooves, another of said compression rings arranged in its groove and spaced below said upper rings, a passage communicating the clearance at the rear of said lower ring to the clearance at the rear of the lower of said upper rings, said first mentioned lower ring having relatively slight side clearance in its groove to reduce the escape of gases by the ring and also to reduce vertical reciprocation of the ring it its groove.

2,356,910
ETCHED CRYSTALLINE HONE
Richard S. Bailey, Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 20, 1942, Serial No. 439,670
1 Claim. (Cl. 51—211)



In an abrading device, a block of crystalline quartz having an etched working surface.

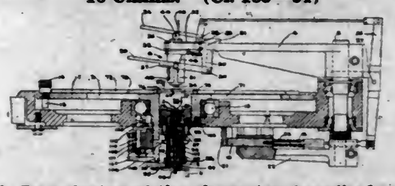
2,356,911
BALANCE WHEEL
William Ogle Bennett, Jr., Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application December 19, 1941, Serial No. 423,607
11 Claims. (Cl. 58—108)



1. In a single rim balance wheel, means for controlling the rate of change of moment of in-

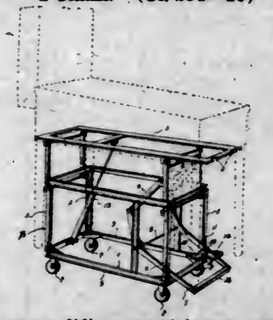
ertia with change of temperature comprising a crossbar formed of a different metal from that of the rim, said respective metals having relatively different coefficients of expansion.

2,356,912
SPRING PROCESSING DEVICE
William Ogle Bennett, Jr., Lancaster, and Ernest William Drescher, Manheim, Pa., assignors to Hamilton Watch Company, Lancaster, Pa.
Application December 19, 1941, Serial No. 423,608
18 Claims. (Cl. 153—64)



1. In a device of the character described, a rotatable table having a central recess therein, a coiling arbor mounted centrally of said recess, indexing means adapted to so control the rotation of said table as to locate said arbor in a series of predetermined positions, means adapted to confine a spring in said recess and lock it to said arbor, and transfer means adapted to move a coiled spring from said recess to a holder without material change in its coiled arrangement.

2,356,913
PIN GAME LIFT
Louis Berman, Evansville, Ind.
Application July 21, 1941, Serial No. 403,438
1 Claim. (Cl. 254—10)



A pin game lift, comprising a portable rectangular lower frame, comprising vertical corner members and horizontal connecting members, an upper platform, means connecting said platform and said lower frame for relative movement, a bell crank pivoted on each side of the lower frame, a cross bar connecting the outer ends of the bell cranks, links connecting the inner ends of the bell cranks with the upper platform and a spring controlled catch and co-acting pin cooperating with said bell cranks and frame to hold the platform in raised position.

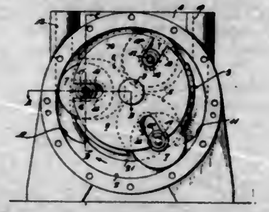
2,356,914
COUNTING MECHANISM
Felix C. Blancha, Manoa, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 1, 1943, Serial No. 485,396
6 Claims. (Cl. 74—116)

1. A device of the character described comprising a base, a split ring on said base, an internal gear supported on its inner perimeter on said split ring for rotation, a cam and a cam follower mounted for eccentric movement adjacent to the center of said split ring, said cam follower having an arm which extends into said split and



of a length sufficient to be moved into and out of driving engagement with the portion of said gear which lies adjacent to said split when said cam follower is actuated by said cam, and means for actuating said cam.

2,356,915
ROTARY PUMP AND COMPRESSOR
Percy D. Brewster, Holmdel, N. J., assignor to Casse Brewster, East Orange, N. J.
Application September 11, 1940, Serial No. 356,249
1 Claim. (Cl. 103—136)

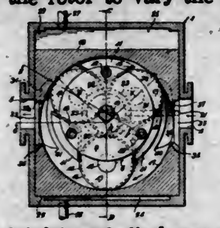


A rotary engine comprising a cylinder having a bore, a cylinder head at each end of the cylinder, fluid inlet and discharge ports for said cylinder, a rotor journaled in at least one of said cylinder heads eccentrically relative to said cylinder bore for rotation therein, said rotor comprising a central portion having a plurality of cavities in its periphery and a header secured to each end of said central portion, radial slots in said headers in alignment with said cavities, the sides of said slots being provided with shoulders spaced from their inner edges, a roller in each of said cavities adapted to contact and roll on said cylinder bore, a shaft extending from each end of each of said rollers into said slots and bearing means on each of said shafts engaging the walls of said slots to prevent engagement of said rollers with the walls of said cavities, said bearing means being secured against axial movement on said shafts and engaging said shoulders on the sides of said slots to prevent the ends of said rollers from contacting said headers.

2,356,916
VARIABLE CAPACITY PUMP OR MOTOR
Percy D. Brewster, Holmdel, N. J., assignor to Casse Brewster, East Orange, N. J.
Application September 11, 1940, Serial No. 356,250
4 Claims. (Cl. 103—120)

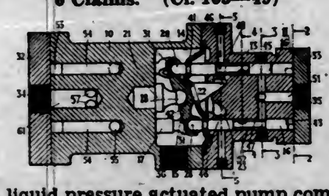
4. A variable capacity pump for non-compressible fluids comprising a casing having heads on both ends, inlet and discharge ports in the opposite sides of the casing, a movable block fitting between the sides of the casing which contain the said ports, a cylinder bored in the said block, inlet and discharge ports in opposite sides of said cylinder in partial registry respectively with the inlet and discharge ports in said casing, a

rotor journaled in at least one of the heads adapted to revolve in the cylinder, a plurality of slots in the periphery of the rotor, a roller in each of said slots adapted to roll on the cylinder bore, means for holding the rollers against the cylinder bore, means for moving the cylinder block in relation to the rotor to vary the capacity of



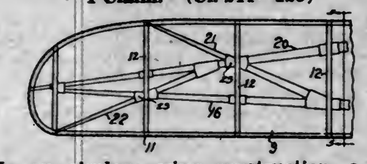
the pump, and inlet and discharge passages in at least one head which, in conjunction with the position of the cylinder block, admit fluid from the cylinder inlet port to all expanding spaces within the pump while expanding and allow fluid to escape from the cylinder discharge port from all contracting spaces within the pump while contracting.

2,356,917
LIQUID PRESSURE ACTUATED PUMP
Leslie Cyril Chouings, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application August 21, 1941, Serial No. 407,790
In Great Britain May 2, 1940
6 Claims. (Cl. 103—49)



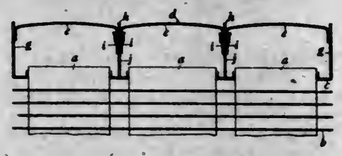
1. A liquid pressure actuated pump comprising, a plurality of pump cylinders in circumferential array about an axis, plungers operating in the cylinders, a plurality of motor cylinders separate from said pump cylinders and in circumferential array about the same axis, plungers operating in the motor cylinders, and a disk mounted for universal tilting movement, each plunger of each set being in direct engagement with the disk which is urged by the motor plungers to perform a movement of nutation about the common axis of the two groups of cylinders, each of said pump plungers forming a valve to control the admission of liquid to, and the escape of liquid from the cylinder of another pump plunger.

2,356,918
AIRPLANE WING CONSTRUCTION
Orley Ray Courtney, Lansing, Mich.
Application February 21, 1942, Serial No. 431,869
1 Claim. (Cl. 244—123)



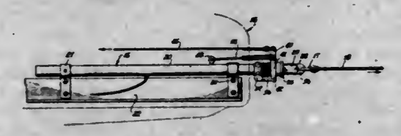
In an airplane wing construction, a frame, main tubular girders extending convergently to the outer end of the frame, spaced cross braces connected with the frame and girders and extending straight across the frame, and diagonal girders connected with said main girders and said cross braces and extending in opposite directions, said diagonal girders being connected with the wing frame one near the end and at the rear side of the frame and one with the forward side of the frame and at a distance from the end of the frame.

2,356,919
HEAT INTERCHANGE APPARATUS
George Edward Dono and Ronald Harbridge Goddard, Oxford, England, assignors to Morris Motors Limited, Cowley, Oxford, England
Application April 6, 1943, Serial No. 482,020
In Great Britain April 18, 1942
1 Claim. (Cl. 257—154)



For use in heat interchange apparatus of the kind specified, a tank comprising in combination a tube plate, parallel ribs on the tube plate, a plurality of cover plates of trough-like form arranged side by side, and metal strips secured to the ribs and forming therewith channels adapted to receive side portions of the cover plates, the outer sides and ends of the cover plate assembly being secured to the tube plate, and the adjacent sides of the cover plates being secured to the ribs on the tube plate.

2,356,920
GLIDER COUPLING
John F. Drescher, Los Angeles, Calif.
Application August 27, 1943, Serial No. 500,300
20 Claims. (Cl. 280—33.15)

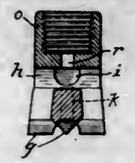


1. A glider coupling comprising: a hollow tubular housing, pivotally mounted cooperating jaws on said housing for securing a tow cable, slidable means confining said jaws in closed relationship, means operable for sliding said slidable means permitting them to open and release said cable, and electrical means mounted inside said housing for actuating said sliding means.

2,356,921
DRILL
Arthur O. Edwards, Villanova, Pa.
Application February 5, 1943, Serial No. 474,771
4 Claims. (Cl. 255—64)

1. A drill bit comprising a body and dovetail tenon and provided with a central bore extending through the body of the bit for flow of drilling fluid therethrough and provided also with a recess opening in the rear face of the tenon and extending from side to side thereof and communicating with said bore, said recess at its

mouth being of a width substantially greater than the diameter of the end of said bore opening into said recess and not less than half the length of said bore, thereby facilitating dis-



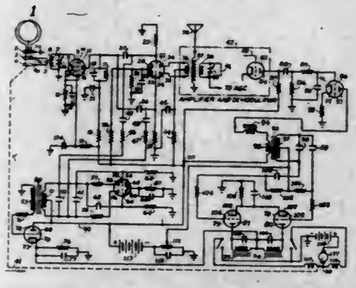
charge of drilling fluid through the bore while also providing side outlets for drilling fluid outside and along the two end parts of the tenon and at the same time effecting better cooling of the bit.

2,356,922

DIRECTION FINDING APPARATUS

George V. Eltgroth, Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application April 27, 1942, Serial No. 440,571
8 Claims. (Cl. 250—11)



1. In a radio direction finder including a directional antenna, a non-directional antenna, a switching oscillator, a modulator and a demodulator, said radio direction finder providing at the output of the demodulator an alternating voltage at the frequency of the switching oscillations which reverses in phase with respect to the switching oscillator output voltage as the directional antenna is rotated through the position of zero signal pickup; a plurality of grid controlled gas discharge tubes having a cathode, a control grid and an anode, a current responsive control device connected into each of the anode circuits of said tubes, means for supplying energy at the frequency of said switching oscillator output to the anode circuits of said tubes, and coupling means connected in energy transfer relation between said demodulator and said control grids of said gas discharge tubes, said coupling means introducing a change of phase angle in said transferred energy which is a function of the voltage amplitude applied to said coupling means.

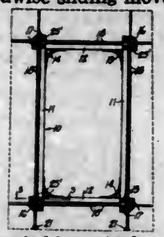
2,356,923

MEASURING DEVICE

Harley H. Firestone, South Bend, Ind.

Application December 13, 1943, Serial No. 514,093
12 Claims. (Cl. 33—194)

1. In a measuring device, a rigid rectangular frame having side and end members, a plurality of elongated members carried by said frame and arranged in pairs along each frame member for guided endwise sliding movement, and re-



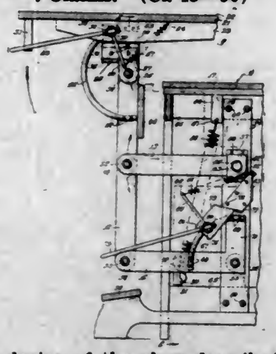
leasable means carried by said frame members at opposite ends thereof and each locking one of said elongated members against sliding.

2,356,924

ADJUSTABLE STAND FOR DRAFTSMEN OR THE LIKE

George E. Froelich, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin

Application June 22, 1942, Serial No. 447,969
7 Claims. (Cl. 45—90)



4. In a device of the class described embodying a base, a pair of links pivotally connected thereto at each side thereof, a pair of counterbalancing springs connected with the base and respectively with one of the links of each pair, a strut pivotally connecting one end of the links of each pair and maintaining them in parallel relation, said strut being adapted to move downwardly with the links against the action of the counterbalancing springs, that improvement therein comprising the combination of an angular continuation of one of said links of each pair, an arcuate bar secured at one end to each said link having said continuation and at its other end to said continuation, a bracket carried by the base at each side thereof, a shaft journalled in the brackets, a torsion spring carried by the shaft at each end thereof frictionally gripping each arcuate bar in wrapped around relation thereto, and means for rotating the shaft for loosening the frictional grip of the torsion spring on the bar.

2,356,925

POLYMERIZATION OF VINYL HALIDES

Charles F. Fryling, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application March 28, 1941, Serial No. 385,731
6 Claims. (Cl. 260—86)

1. The process which comprises subjecting a monomeric material selected from the class consisting of vinyl halides and mixtures of vinyl halides with lesser amounts of vinyl esters, to polymerization in aqueous emulsion in the presence of less than 5% by weight based on the monomeric material of a polymerization initiator consisting of a water soluble inorganic compound containing both sulfur and oxygen and in which the sulfur has a valence no greater than four, and a catalytic amount of a polymerization catalyst consisting of a water-soluble complex iron salt.

2,356,926

MATCH CASE

Jules P. Gits, Chicago, Ill., assignor, by mesne assignments, to Joseph A. Gits, Chicago, Ill., and himself

Application April 22, 1942, Serial No. 439,960
5 Claims. (Cl. 220—31)



1. In a device of the class described comprising a molded base of receptacle formation and a molded cover hinged at one end of said base, said base and said cover having projections and reentrant portions thereon, the projections on said base comprising inwardly turned side flanges perpendicular to the plane of said base and outwardly extending opposed pivot pins on two of said flanges, the projections on said cover comprising inwardly turned flanges along certain of the sides of said cover also extending substantially perpendicular to the plane of said cover, the reentrant portions comprising opposed slots in two of said cover flanges that receive said pivot pins, said slots being open at one of their ends, said open ends intercepting the side of said cover opposite to the side carrying its said inwardly turned flanges.

2,356,927

AIRCRAFT PART AND COVERING THEREFOR

Darwin B. Grossman, Lock Haven, Pa., assignor to Roxalin Flexible Finishes, Inc., Elizabeth, N. J., a corporation of New Jersey

No Drawing. Application November 9, 1940, Serial No. 365,040
4 Claims. (Cl. 244—133)

1. In an aircraft, a structural framework of an aircraft part, and a covering comprising a shrunk-taut woven, mechanically extruded, organic filament fabric secured to and covering said framework, and at least one coating of cellulosic dope impregnating said fabric.

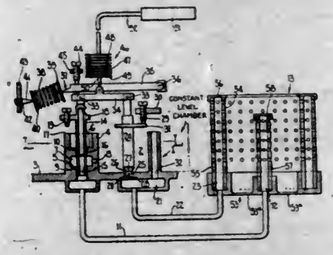
2,356,928

CONTROL DEVICE

Albert G. Hann, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application August 26, 1940, Serial No. 354,216
9 Claims. (Cl. 158—28)

1. In an apparatus for controlling the supply of fluid fuel to a burner, a casing having an outlet, a reciprocal valve means movable independently of the direction of fuel flow and cooperable with said outlet for controlling flow therethrough, said means having two positions of rest and an intermediate position, two abutment members to stop movement of said valve means at said two positions, said means when in one of said two positions being operable to control flow of fluid in one direction from said outlet for a predetermined burner flame and when in a second of said two positions being operable to control flow of fluid in said one direction from said



outlet for a predetermined burner flame, said valve means when in said intermediate position acting to momentarily control the flow of fluid from said outlet for a predetermined flow greater than the flow of fluid from said outlet in either of said two positions, and automatic means to move said valve means from one completely to the other of said two positions and to hold said valve means against one or the other of said abutment members.

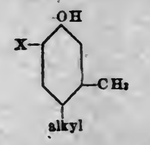
2,356,929

ANTI-FLEX-CRACKING AGENTS

Edwin J. Hart, Cedar Grove, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 7, 1941, Serial No. 418,163
7 Claims. (Cl. 260—810)

5. A vulcanized product of a rubber composition containing a 3-methyl-4-alkyl phenol in which the alkyl group contains from one to five carbon atoms, and having the formula



where X is a radical selected from the class consisting of hydrogen, and alkyl.

2,356,930

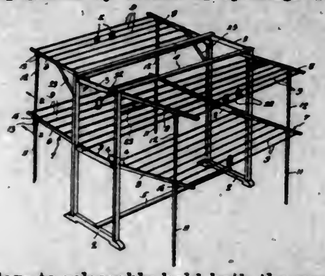
CLOTHES DRIER

William E. Horstkotte, Spokane, Wash.

Application November 4, 1943, Serial No. 508,964
5 Claims. (Cl. 211—178)

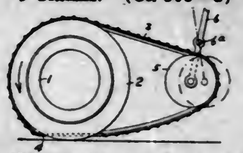
1. A clothes drier comprising a main frame, upper and lower racks at opposite sides of said frame pivotally mounted for swinging movement from lowered folded position against the frame to a raised position in which they extend horizontally from the frame for use, supporting legs for the upper and lower racks and pivotally mounted adjacent the outer ends of the racks for swinging movement from folded position against the racks to depending position for supporting

the racks, and keepers carried by the lower legs and engageable by means of openings with the



upper legs to releasably hold both the upper legs and the lower legs extended for use.

2,356,931
NONSKID DEVICE
Charles W. Hunter, Bryn Mawr, Pa.
Application May 4, 1943, Serial No. 485,574
9 Claims. (Cl. 305—3)



1. A non-skid device for the driving wheel of a vehicle which comprises an anti-skid track or belt and means for driving it between the wheel rim and the ground and for causing it to remain at rest, said track or belt being of fixed dimensions and provided with a cut-out portion through which the wheel rim contacts with the ground when the track or belt is at rest.

2,356,932
ZINC SALTS OF MERCAPTOTHIAZOLINES
Paul C. Jones, Silver Lake, and Roger A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Original application February 8, 1939, Serial No. 255,358, now Patent No. 2,288,194, dated June 30, 1942. Divided and this application January 21, 1942, Serial No. 427,608
3 Claims. (Cl. 260—302)

1. A compound having the structure

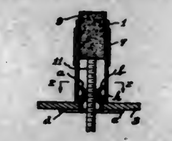
A—S—Zn—X

where A is a thiazoline group attached at the 2-position to the sulfur atom and contains no additional substituent groups other than hydrogen, alkyl, aryl, and alkoxy groups, and X is a salt-forming anionic fatty acid residue.

2,356,933
VULCANIZATION OF RUBBER
Paul C. Jones and Roger A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Original application February 8, 1939, Serial No. 255,358. Divided and this application April 4, 1942, Serial No. 437,690
8 Claims. (Cl. 260—787)

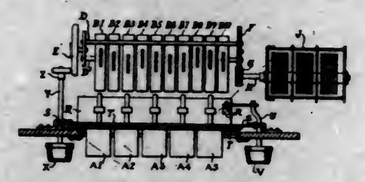
1. The process which comprises vulcanizing a rubber in the presence of a mixed zinc salt of a 2-mercaptothiazoline and a monocarboxylic acid containing no functional groups other than the carboxylic group.

2,356,934
ART OF MOUNTING HOLLOW STRUCTURES
Lyman G. Ketcham, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1942, Serial No. 432,817
2 Claims. (Cl. 248—361)



1. In combination, an electrical device of the type comprising a tubular form incorporating an adjusting member which extends beyond an open end of said form for varying the electrical characteristics of said device, a supporting panel having an aperture therein through which said adjusting member extends, and a fastener for securing said device to said panel, said fastener comprising a spring metal strip having a pair of arms struck out in opposite directions from a central portion thereof, said arms being bent in a common direction substantially normal to the plane of said central portion and adapted to be entered within said hollow structure through said aperture, the remaining portion of said strip comprising a stop for limiting the extent of the entry of said arms within said hollow structure, said arms being bowed inwardly intermediate their ends and their free ends extending oppositely in outward directions, and said central portion of said strip being apertured to receive said adjusting member, said adjusting member being of a diameter sufficient to urge said arms into engagement with the inner surface of said hollow structure when it is entered between the opposed surfaces of the inwardly bowed portions of said arms.

2,356,935
TUNING MECHANISM
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1942, Serial No. 445,180
3 Claims. (Cl. 250—40)



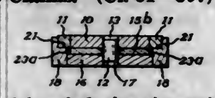
1. In radio apparatus, tuning means, a plurality of groups of driven selector elements for said tuning means mounted in spaced array along a common axis with the elements of one group arranged alternately with respect to the elements of another group, a group of actuating elements mounted along an axis parallel to said first mentioned axis with the elements thereof arranged in spaced relation adjacent to alternate of said selector elements, and means for causing relative movement between said group of actuating elements and said groups of selector elements whereby to bring said groups of actuating elements into actuating relation with respect to a selected one of said groups of selector elements.

2,356,936
BALE TIE
Norman R. Krause, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application June 9, 1941, Serial No. 397,153
6 Claims. (Cl. 24—27)



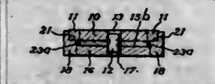
6. A loop for a bale tie including a length of wire, said loop comprising a portion extending substantially at right angles to the wire, portions extending from the extremities of the right angled portion forwardly and inwardly at an angle of substantially 45° to the direction of the wire, portions extending forwardly from the second named portions spaced from each other sufficiently to freely accommodate the wire, the last named portions joining with each other at a distance spaced from the second mentioned portions comparable to the length of said second mentioned portions, whereby a pull on said loop in the region of the last mentioned portions will cause said right angle portion to bend, thereby reducing the spacing between the second mentioned portions and bending the wire at the point where said last mentioned portions join, to reduce the spacing between said last mentioned portions.

2,356,937
VITRIFIED DIAMOND GRINDING WHEEL
Robert H. Lombard, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application May 10, 1941, Serial No. 392,829
9 Claims. (Cl. 51—307)



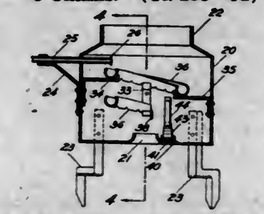
1. A vitrified-bonded abrasive article comprising the bonded reaction product, as a result of firing, of a mix that comprises abrasive grains, metallic granules of metallic silicon, and vitrifiable bond, the metallic granules being present in the product in an amount, exclusive of any oxidation product formed during firing, to constitute substantially 15% by volume, or more, of the volume of the vitrified-bonded article and being bonded by and distributed throughout the vitrified bond thereby to reinforce the bond and to form with the vitrified bond a compound framework of metallic granules and vitrified bond material, of which the metallic granules are material structural parts, said abrasive grains being distributed throughout and supported by said compound framework and bonded therein by the vitrified bond of said framework.

2,356,938
VITRIFIED DIAMOND GRINDING WHEEL
Robert H. Lombard, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 6, 1942, Serial No. 425,803
4 Claims. (Cl. 51—307)



1. A vitrified-bonded abrasive article comprising the bonded reaction product, as a result of firing, of a mix that comprises abrasive grains, granules of an oxidizable boron compound, and vitrifiable bond, granules of said compound being present in the vitrified product in an amount, exclusive of any oxidation product formed during firing as a result of oxidation of some of said compound, to constitute a substantial proportion of the volume of the vitrified article and being bonded by, and distributed in said amount throughout, the vitrified bond thereby to reinforce the bond and to form with the vitrified bond a built-up framework of which the granules of said compound, in said substantial proportion, are material structural parts, said abrasive grains being distributed throughout, and supported by, said build-up framework and bonded therein by the vitrified bond of said framework.

2,356,939
ORCHARD HEATER
John H. McCracken, Oakland, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application December 4, 1940, Serial No. 368,467
5 Claims. (Cl. 158—91)



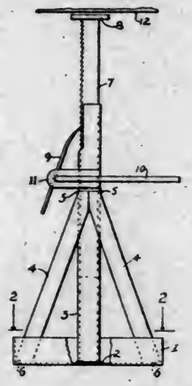
1. An orchard heater comprising a heater body adapted to be supported above the ground, said heater body having an aperture for primary air centrally located in its bottom, an open helical vaporizer so positioned within the heater body that the primary air admitted through the bottom of the heater mixes with the volatilized fuel from the vaporizer, means for supplying liquid fuel to said vaporizer, a stack comprising two frusto-conical sections, each section having louvers around its periphery, said sections being fitted together at their large ends, the stack being centrally positioned on the heater body and adapted to receive the mixture of primary air and fuel vapors from the heater body and to promote the burning of said mixture in the stack in the presence of secondary air admitted through the louvers positioned around the peripheries of the stack sections.

2,356,940
VEHICLE WHEEL
John Agrillo Marison, San Jose, Calif.
Application May 5, 1943, Serial No. 485,959
1 Claim. (Cl. 152—97)



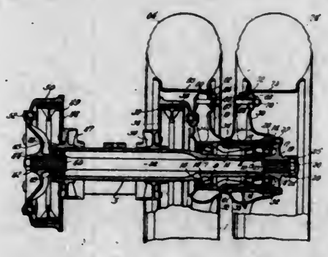
A flexible unit to be inserted between the inner and outer relatively shiftable rims of a spring tire comprising, a pair of opposed conical screw top pins, a helical spring of uniform diameter substantially equal to the diameter of the base portion of said pins mounted thereon and having closely coiled end portions encompassing said conical pins and spaced central coils between said pins.

2,356,941
TRAILER SUPPORT
Frank F. Meyer, near San Jose, Calif.
Application September 27, 1943, Serial No. 504,069
1 Claim. (Cl. 248—352)



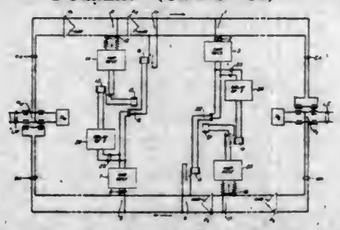
A trailer support comprising in combination, a pan adapted to contain an insecticide, a tube rigidly and vertically mounted in the center of the pan, braces extending from the upper portion of the tube to the periphery of the pan to seat against the sides thereof, a ratchet slidably mounted to extend from the upper end of the tube and provided with a top plate constructed and arranged to engage a trailer body, and a ratchet engaging dog mounted on the tube.

2,356,942
DUAL WHEEL MOUNTING
Burton L. Mills, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan
Application March 26, 1943, Serial No. 480,715
10 Claims. (Cl. 301—36)



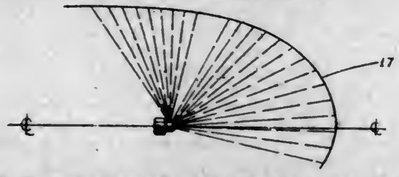
1. In combination, a tubular axle spindle having a reduced end, axially spaced tapered bearings mounted on said end, a shaft extending through said spindle having a flange collar secured to the end thereof externally of said spindle, a first wheel spider having an elongated hub portion mounted on said bearings and having the end thereof extending beyond said spindle, a bearing interposed between said extended end and said flange collar, a second spider mounted for independent rotation about said extended hub portion, and means rigidly securing said flange collar to the hub of said second spider.

2,356,943
TRANSMISSION CONTROL IN TWO-WAY SIGNALING SYSTEMS
Andrew C. Norwine, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 29, 1942, Serial No. 456,605
4 Claims. (Cl. 178—44)



2. In a two-way telephone transmission system including oppositely directed one-way transmission paths for transmitting the voice signals in opposite directions, an echo suppressor device connected to each path, responsive to voice signal transmission in that path, in the absence of prior voice signal transmission in the other one-way path, to disable said other path, a normally disabled break-in control circuit connected to each path in front of the disabling point therein, which when operative is responsive to voice signal transmission in that path of a level at least a given amount above average level to disable the echo suppressor device controlled from the other path, and means responsive to voice signal transmission in each path when that path is operative to enable the break-in control circuit connected to the other path a given time after the echo suppressor device controlled from the first path operates in response to that voice signal transmission.

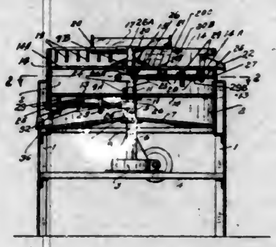
2,356,944
SPRAY NOZZLE
Donald J. Peeps, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application December 1, 1941, Serial No. 421,140
2 Claims. (Cl. 299—140)



1. In a spray nozzle of the type described, a discharge cap substantially semi-spherical in shape and having discharge slots therein, one slot passing from near the forward end or pole of the sphere to one side thereof and another slot in a plane at an angle to the plane of the first slot and on the other side of the sphere with one end also extending to the region of the forward end or pole of the sphere.

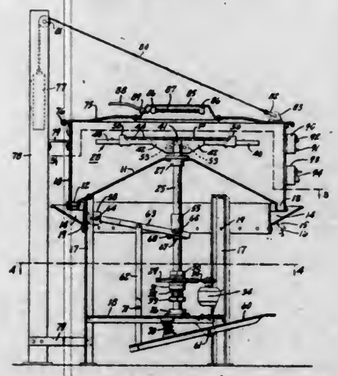
2,356,945
VEGETABLE AND FRUIT GRADER
Stephen P. Pesznecker, Portland, Oreg.
Application March 18, 1942, Serial No. 435,181
2 Claims. (Cl. 209—87)

1. A machine for the purpose specified comprising in combination, a frame, a vertically disposed open ended drum carried by the upper end of said frame, a concentrically disposed driven shaft extending into said drum from the lower end thereof, vertically spaced apertured grading disks removably mounted on said shaft for rotation therewith within said drum, said disks substantially conforming to the interior diameter of the drum and the apertures of the upper disk being larger than those of the subsequent disk, material supply means for said upper disk, graded



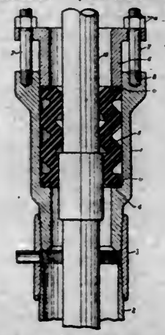
article discharge means carried by said drum at its side above said respective disks, radially extending arms removably and loosely journalled on said shaft below said disks, a plurality of yielding presser members carried by each of said arms and bearing against the bottom of the superjacent disk in alinement with apertures thereof whereby to dislodge articles sticking in said apertures, and drum-carried anchoring means detachably engaging the outer ends of said arms.

2,356,946
PLATE WHIRLER
Frank T. Powers, Glen Cove, N. Y.
Application January 3, 1942, Serial No. 425,547
7 Claims. (Cl. 91—42)



1. In a plate whirler for photo-engraving use including in combination a rotatable plate support and means on said support for holding a plate centrally of the support comprising a pair of plate holding means at opposite sides of the axis of the support and means for simultaneously and resiliently moving said holding means towards each other and into engagement with opposite edges of the plate comprising flexible members connected to the holding members and to a collar concentric with the support and manually releasable resilient means acting on said collar.

2,356,947
PACKER FOR PRESSURE DRILLING HEAD
Albert Pranger and Samuel Allen Guiberson, III, Dallas, Tex., assignors to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application April 11, 1941, Serial No. 388,030
5 Claims. (Cl. 286—16)



1. A corrugated packer having outwardly flaring upper and lower ends and rigid reinforcing rings embedded in the packer in the outwardly flaring upper and lower ends, each of said rings being provided with a plurality of holes through which the packer protrudes.

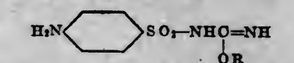
2,356,948
METHOD FOR COVERING ARTICLES
Exa G. Reed, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application June 14, 1940, Serial No. 340,563
1 Claim. (Cl. 18—56)



The method of covering a relatively flat top of an article of furniture which comprises placing a woven fabric of stretched rubber hydrochloride thereover, fastening the edges of the fabric, and then applying heat to the fabric to cause it to shrink and fit the top more exactly and thus remove wrinkles from the portion of the fabric at the edge of the top thereof and thereby lose no more than a part of said stretch.

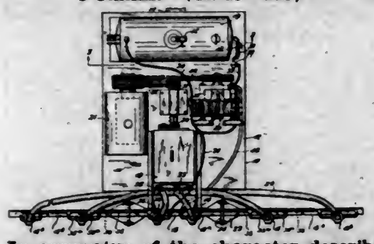
2,356,949
METHODS OF PREPARING SULPHANILYLALKYLISOUREAS
Richard Owen Roblin, Jr., Old Greenwich, and George Washington Anderson, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 31, 1942, Serial No. 429,134
5 Claims. (Cl. 260—397.7)

1. A method of producing a sulphanilylisourea having the following formula:



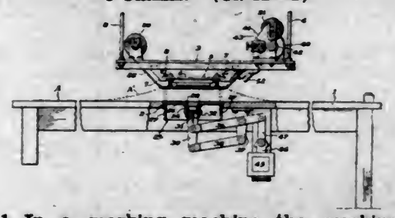
in which R is a hydrocarbon radical which comprises reacting a salt of an acylsulphanilylcyanamide with an alcohol in the presence of a hydrogen halide.

2,356,950
DUSTING AND SPRAYING APPARATUS
Ralph R. Root, Lakewood, Ohio, assignor to The Root Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 6, 1941, Serial No. 405,666
5 Claims. (Cl. 43—148)



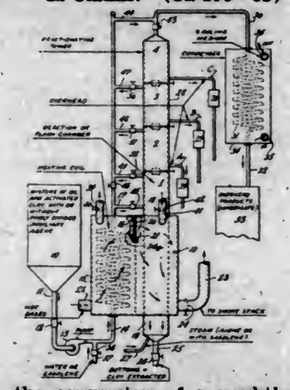
1. In apparatus of the character described, a vehicle having thereon means for producing a stream of dust-laden air, a nozzle having downwardly diverging spouts for discharging the dust-laden air, liquid atomizing devices arranged adjacent said diverging spouts so as to direct atomized liquid into the dust-laden air, and means for supplying liquid to said atomizing devices, said nozzle being mounted on the vehicle with one of its diverging spouts extending downwardly and forwardly and the other extending downwardly and rearwardly so as to direct an inclined stream of the dust-laden air downwardly and forwardly toward plants being approached by the nozzle, and a second inclined stream downwardly and rearwardly toward the same plants as the nozzle moves away.

2,356,951
MARKING MACHINE
Leslie A. Runton, Dracut, Mass., assignor to M. T. Stevens & Sons Co., North Andover, Mass., a corporation of Massachusetts
Application November 19, 1942, Serial No. 466,207
3 Claims. (Cl. 41—1)



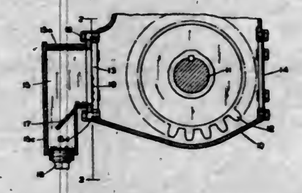
1. In a marking machine the combination comprising a table over which the pieces of material to be marked are drawn, said table having an opening in it, a supporting frame located above the table, a heated die borne by the frame and occupying a position above the opening in the table, a stripper retained to occupy a position interposed between the opening in the table and the heated die and displaceable towards the die, a pigmented strip traversing the face of the stripper, means including supply and take-up rolls bearing the strip, a combination lifter and presser element adapted and arranged to be elevated from the opening in the table, an electric motor for turning the take-up roll whereby the pigmented strip will in successive part sections be drawn to overlie the face of the stripper and pigment on each overlying strip section occupy a determinate position with relation to the die, a solenoid for elevating said element whereby it will raise and thereby smooth the piece of material in the part thereof to be marked, press it against the section of the pigmented strip overlying the face of the stripper as aforesaid and hold said section of the pigmented strip fixedly in place and upon the continued elevation of said element displace the stripper and bring said overlying part section of the pigmented strip into contact with the heated die so that pigment on said part section of the strip will be transferred to the piece in the part thereof to be marked, an electric circuit in operative connection with said motor and solenoid, respectively, mechanism whereby current upon the closing of said circuit will be controlled to activate said solenoid for a determinate interval of time for elevating said combination lifter and presser element to function as aforesaid and afterwards activate said motor to turn said take-up roll in an amount sufficient to draw a fresh pigmented section of said strip across the face of said stripper and position it as aforesaid during the return of said element, said mechanism including a time delay relay, means for closing said circuit, a switch for breaking said circuit and stopping said motor on the opening of said switch, and means borne by the pigmented strip for opening said switch and afterwards allowing its closure.

2,356,952
CONVERSION OF PETROLEUM OILS
William Alvah Smith, Hamburg, N. Y.
Application January 13, 1942, Serial No. 426,602
12 Claims. (Cl. 196—55)



1. In the conversion of a naphthenic petroleum oil, to obtain a relatively high yield of light-bodied lubricating components of superior physical characteristics, such as a high viscosity index, high flash and stability, the improved method which comprises mixing said oil, while at a temperature below its natural cracking temperature, with unspent, acid-activated clay to provide a pumpable mixture in which the clay is suspended in the oil and amounts to approximately between one-half pound and one and one-quarter pounds per gallon of oil, passing said mixture as a stream in liquid phase and upwardly through an ascending heating passage and then into a reaction chamber, incorporating water in the mixture before it completes its ascent in said passage equal to approximately 95 per cent of the oil, heating the mixture while moving in said passage approximately to cracking temperature below approximately 900 degrees F., flashing the heated mixture with a vapor in said chamber at cracking temperature, separating the overhead vapors from the bottoms containing the clay, and condensing the overhead vapors.

2,356,953
FILTER AND SOLIDS TRAP
Virgil L. Snow, Euclid, Ohio, assignor to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio
Application January 31, 1942, Serial No. 428,983
5 Claims. (Cl. 184—13)



1. In combination with a housing enclosing a rotatable member running in a liquid bath, said housing being provided with an opening through a wall thereof radially opposite said rotatable member, means providing a trap chamber outside said housing and communicating with said opening, and a foraminate wall across the lower portion of said opening, said housing and trap chamber compelling liquid passing out of said chamber to flow through said wall.

2,356,954
CATALYTIC CRACKING
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 8, 1940, Serial No. 339,459
1 Claim. (Cl. 196—52)



In a process for cracking hydrocarbons involving repeated alternate contacting of a catalyst material first with hydrocarbons to be cracked in a cracking step, wherein cracking occurs and heat is absorbed from and carbonaceous material is deposited on said catalyst material, and then with an oxidizing medium in a regenerating step, wherein heat is generated and absorbed by said catalyst material and regeneration of the catalyst for further use in said cracking step is effected, the improvement comprising contacting said catalyst material in the form of pellets having a metal core covered with a thin film of a catalyst of the class consisting of the oxides and silicates of aluminum, chromium and zirconium, alternately with the hydrocarbons to be cracked in said cracking step and with the oxidizing medium in said regenerating step.

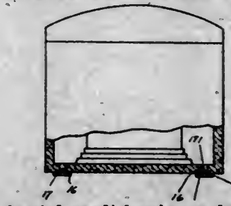
2,356,955
COMPOSITIONS
Robert M. Thomas, Union, N. J., and William J. Sparks, Alexandria, Va., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application December 21, 1939, Serial No. 310,438
5 Claims. (Cl. 260—79)

1. In combination, a clear, colorless polyisobutylene having a molecular weight within the range of 27,000 to 250,000 and containing dissolved therein a stabilizing amount of sulfur within the range of 0.01% to 3%.

2,356,956
PROCESS OF CARBONIZING
Elmer A. Thurber, Brooklyn, N. Y., and Leland A. Wooten, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 1, 1942, Serial No. 425,374
8 Claims. (Cl. 117—46)

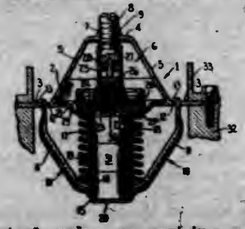
1. The process of forming an adherent layer of carbon on a metal surface comprising applying to said surface a mixture of finely divided particles of an oxide of a metal of the iron family in a colloidal silica suspension; drying said colloidal silica suspension to produce on said surface a coating of said finely divided oxide particles held in place by a binder of silica resulting from drying of said colloidal silica suspension; and heating said coated surface in the presence of a hydrocarbon gas to a temperature which will crack said gas and cause an adherent layer of carbon to deposit on said coated surface.

2,356,957
BURIAL VAULT
David Turner, Cedar Rapids, Iowa
Application February 26, 1944, Serial No. 523,997
2 Claims. (Cl. 27—35)



1. In a burial vault having a drainage conduit, means for sealing the conduit through the early portion of its use and opening it later, comprising a seal, and means for directing fluids against the seal, the seal being of material which will rust or disintegrate readily so that the liquids which collect will attack the seal and perforate it or loosen up the seal.

2,356,958
VALVE
Adolf von Wangenheim, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application March 27, 1942, Serial No. 436,463
12 Claims. (Cl. 236—34)



1. A control valve comprising a valve seat member, supporting members extending oppositely from said seat member and having opposed facing portions, an expansible chambered member having rigid side walls and extending through the port in said seat member and having an expansible end wall acting against one of said portions, guide means on each of said portions and cooperable with said rigid side walls to guide bodily movement of said chambered member, a temperature responsive medium in said chambered member, and a valve member secured

to and extending from said side walls and cooperable with said seat member upon bodily movement of said chambered member.

10. In a control device, a chambered element containing an expansible medium, an end wall closing said element, abutment means engaged by said wall so that expansion of said medium will move said element, a sleeve member reciprocally guided on said abutment means and extending from said element, said sleeve member being laterally movable into opposing relation to said abutment means upon predetermined movement of said element, and means to move said sleeve member laterally so that said element will be held in an actuated position with movement of said sleeve member blocked by said abutment means.

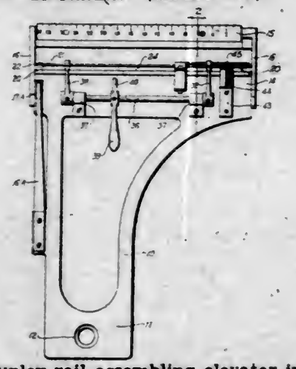
2,356,959

DUPLEX RAIL ASSEMBLY ELEVATOR

Horace C. Wauson and Walter E. Bennett, Jr., Houston, Tex., assignors of three-fourths to Gulf Publishing Company, Houston, Tex., a corporation of Texas, and one-fourth to said Bennett, Jr.

Application November 17, 1941, Serial No. 419,432

15 Claims. (Cl. 199—29)



1. A duplex rail assembling elevator including, a frame, a lower rail mounted on the frame, an upper rail carried by said frame and disposed above the lower rail so as to overlie the same, the upper rail having a substantially flat unobstructed upper surface and being movable longitudinally of the frame so as to expose a portion of said lower rail, whereby said upper rail may be withdrawn longitudinally from beneath matrices fed thereonto so as to drop the same onto the exposed portion of the lower rail.

2,356,960

CAMERA

Stephen N. Wekeman, Saddle River Township, Bergen County, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware

Application August 21, 1941, Serial No. 407,723

20 Claims. (Cl. 88—24)



1. In a camera of the character described, horizontal guiding means, a lens board and an associated objective lens disposed between the ends of said guiding means, carriages disposed on said guiding means at the respective opposite sides of said lens board, one of said carriages being adapted to support a light-sensitive member and the other of said carriages being adapted to support a member from which an image is to be obtained, and means carried by and movable with the respective carriages for moving either of them with respect to the other carriage and with respect to said lens board.

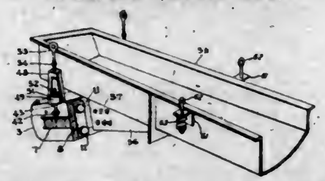
2,356,961

VIBRATORY ELECTRIC MOTOR

Carl S. Weyandt, Homer City, Pa.

Application July 17, 1942, Serial No. 451,265

15 Claims. (Cl. 172—126)



14. In a vibratory motor, a relatively fixed motor frame providing spaced open ended slots, a plurality of bar springs stacked in said slots and extending transversely thereof, removable means secured across the ends of said slots and clamping said spring ends against the base of said slots, an armature structure clamped to the middle of said springs and adapted to be vibrated, an electromagnet secured to said frame, a source of alternating current having a frequency of at least 50 cycles per second and a rectifier connected to said alternating current source and to said electromagnet to supply substantially spaced current impulses thereto for vibrating the armature structure at at least 3000 vibrations per minute, the mass of the relatively fixed portion of the motor being at least twice that of the vibratory structure.

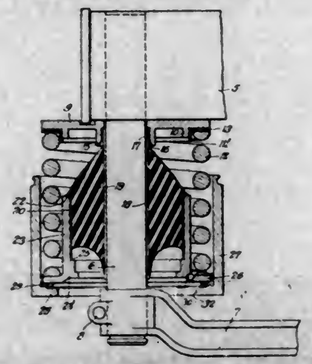
2,356,962

SPRING UNIT

Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application August 1, 1941, Serial No. 404,988

2 Claims. (Cl. 267—3)



1. In a rail truck, a frame member having a depending post, a thrust plate about said post, a housing member encircling said post below said thrust plate, a helically coiled metal spring biased between said thrust plate and the lower end of said housing, a resilient buffer ring encircling said post within said housing and having its outer peripheral surface supported laterally and vertically from said housing, internal sleeve means on said ring embracing said post, and means on said post engaging said sleeve means for conjoint vertical movement therewith said sleeve means transmitting lateral reactions of said post member radially into said ring.

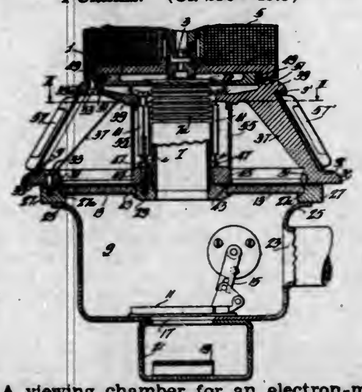
2,356,963

ELECTRON MICROSCOPE VIEWING CHAMBER

Charles J. Young, Ardmore, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application August 29, 1942, Serial No. 456,597

4 Claims. (Cl. 250—49.5)



1. A viewing chamber for an electron-microscope, said chamber comprising an evacuable binnacle containing an image target and having a transparent cover through which said target may be viewed, adjustable means for supporting said cover in a plane substantially parallel to said target, and a flexible conduit communicating with the interior of said binnacle through said cover and through which electrons pass in their journey to said target.

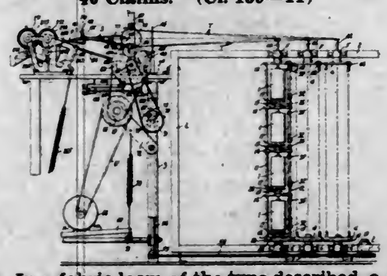
2,356,964

LOOM

Sterling W. Alderfer, Akron, Ohio, assignor of one-half to Edward D. Andrews, Akron, Ohio

Application December 4, 1942, Serial No. 468,169

40 Claims. (Cl. 139—11)



1. In a fabric loom of the type described, a plurality of parallel cards having passages for warp threads near their outer peripheries, a creel comprising a plurality of spools, means for guiding a plurality of warp threads from the creel to each card, means for rotating the cards, and means for removing the twist placed in the threads between the cards and the creel by the rotation of the cards while maintaining tension on the warp threads.

2,356,965

METHOD OF MAKING ABRASIVE ARTICLES

Hugh V. Allison, Fairfield, Conn., assignor to The Allison Company, Bridgeport, Conn., a corporation of Connecticut

No Drawing. Application May 12, 1943, Serial No. 486,747

6 Claims. (Cl. 51—299)

1. The method of making an abrasive article comprising mixing liquid styrene with the synthetic elastomer comprising the copolymer of butadiene and styrene to at least soften the latter, adding curing agents and abrasive grain, shaping articles from said mix, and then curing the shaped article and simultaneously therewith further polymerizing said liquid styrene to form a thermoplastic bond for the abrasive grain in said article.

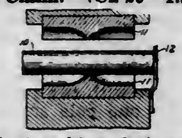
2,356,966

METHOD OF MAKING SHOT

Nicholas J. Bardell, Chicago Heights, Ill., assignor to Mid-West Forging & Mfg. Co., Chicago, Ill., a corporation of Illinois

Application August 30, 1943, Serial No. 500,589

1 Claim. (Cl. 29—1.2)



The method of making shot, comprising: producing a round bar slightly larger in diameter than the completed shot and substantially shorter than twice the length of the completed shot; softening said bar by heat; cutting said bar in the center and pointing the adjacent ends of the cut pieces by hammering while the shot is rotated whereby two pointed shot are formed, each point consisting of flattened segmental areas radiating from the point; swaging the pointed ends substantially to the desired pointed shape while rotating the shot in the direction in which it will be rotated when fired; and completing the shot by machining.

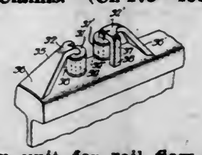
2,356,967

FLAW DETECTING APPARATUS

Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Highland Park, Ill.

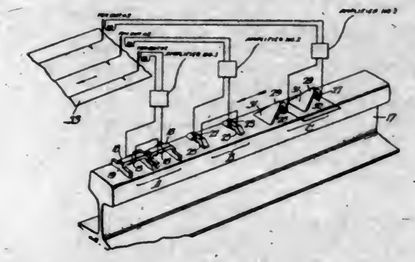
Application February 24, 1940, Serial No. 320,704

13 Claims. (Cl. 175—183)



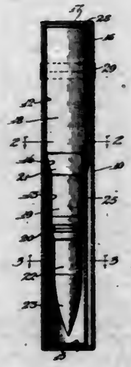
1. A pick-up unit for rail flaw detection by movement along a rail in a given forward direction, including a plurality of coils, and a core for each of the coils, each of the cores including three poles, two of which are disposed at right angles to the length of the pick-up unit so as to be disposed at right angles to the length of the rail, and the other of which is displaced longitudinally of the rail from said two poles, the coil surrounding a portion of the core between one of said two poles and the other two poles, one coil being to the left of its adjacent laterally disposed pole and the other being to the right of its adjacent laterally disposed pole, and one being to the rear of the longitudinally displaced pole and the other being forwardly of the longitudinally displaced pole.

2,356,968
RAIL FLAW DETECTING UNIT
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Highland Park, Ill.
Application April 14, 1941, Serial No. 388,389
6 Claims. (Cl. 175—183)



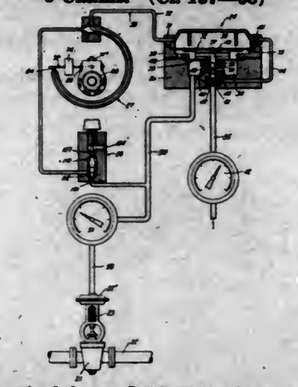
1. In a rail flaw detecting apparatus having means for passing an electric current through a rail, a detector for indicating the character of irregularities in the rail by selective response to certain irregularities in the magnetic field created by said current, said detector comprising a coil having a core with two poles spaced along the rail and with one pole substantially wider than the other.

2,356,969
CONTAINER
Jerome J. Blum, Olean, N. Y., assignor to The Fibre Forming Corporation, Olean, N. Y., a corporation of New York
Application May 29, 1942, Serial No. 445,002
7 Claims. (Cl. 206—3)



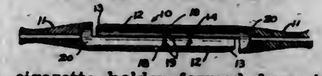
1. A waterproof fibrous container for an article of the class described, comprising a tubular body portion, a complementary cap, a rigid coextensive tubular liner telescopically nested therein, the said liner comprising a tapered shoulder portion and a concentric neck portion of reduced diameter and being adapted to support and position a contained article, and a rigid filler tube extending between the walls of the container body and the neck and tapered shoulder portions of said liner in reinforcing relationship therewith.

2,356,970
PILOT MEANS FOR LIQUID LEVEL CONTROLS AND THE LIKE
Glenn F. Brockett, Marshalltown, Iowa, assignor to Fisher Governor Company, Marshalltown, Iowa, a corporation of Iowa
Application February 26, 1942, Serial No. 432,380
5 Claims. (Cl. 137—68)



1. A control for a fluid vessel having a member movable in response to variations in the level therein and having a fluid pressure actuated valve for governing the level, the control comprising a conduit carrying fluid pressure for actuating the valve, a relay interposed in said conduit to govern the magnitude of the actuating pressure applied to the valve, a Bourdon tube, bleed means for the relay adapted to control the operation of the relay, the bleed means including a second tube extending through the Bourdon tube and a discharge nozzle for said second tube at the outer end of the Bourdon tube, a part movable by said member and operable to control the nozzle and thus control the relay, and regulable means for delivering fluid pressure to the Bourdon tube to cause movement of the nozzle relative to said part.

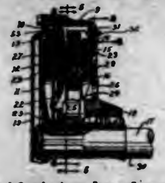
2,356,971
CIGARETTE HOLDER
James Christensen, Englewood, Colo.
Application April 19, 1943, Serial No. 483,687
3 Claims. (Cl. 131—175)



1. A cigarette holder formed from two substantially identical members each having a mouthpiece at one end and a semicylindrical part having a concave inner surface, at the other end, the two semicylindrical parts being adapted to cooperate with the mouthpieces to form a cylindrical chamber for the reception of a cigarette, at least one of the semicylindrical parts having an opening positioned substantially at its middle to admit air for combustion.

2,356,972
ELECTRICAL APPARATUS
Horace A. Chubbuck, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application March 14, 1941, Serial No. 383,361
6 Claims. (Cl. 171—252)

2. In a generator, a shaft, a rotor secured thereto, a substantially drum-shaped housing having opposed head walls and an intermediate barrel surrounding said rotor, a stator secured to one head wall of said housing, in juxtaposition



to said rotor, said stator head wall of said housing being keyed to the remainder of said housing to permit movement of said head wall axially of said apparatus.

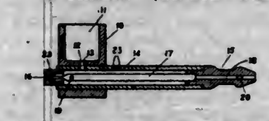
2,356,973
RUBBER HYDROCHLORIDE
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application July 7, 1939, Serial No. 283,229
8 Claims. (Cl. 260—735)

1. Rubber hydrochloride containing a minor proportion of an N,N'-dialiphatic piperazine.

2,356,974
DIENE INTERPOLYMERS AND METHOD OF PREPARING THE SAME
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application April 30, 1943, Serial No. 485,155
19 Claims. (Cl. 260—86.5)

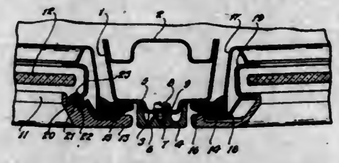
1. The process which comprises copolymerizing a mixture of comonomers including an aliphatic conjugated diene hydrocarbon and an aromatic compound containing an ether oxygen atom directly connected to a carbon atom in the aromatic nucleus and also containing a polymerizable olefine side chain directly connected to another carbon atom in the aromatic nucleus.

2,356,975
PIPE
Gedeon R. Comptois, New York, N. Y.
Application January 19, 1942, Serial No. 427,349
2 Claims. (Cl. 131—211)



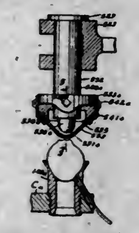
1. A pipe comprising a bowl having a tobacco chamber and beneath said chamber a transverse bore extending completely through the bowl and connected with the tobacco chamber by a passage at the bottom of said chamber, a pipe stem comprising a mouth piece with a longitudinal bore, and a barrel with a longitudinal chamber connected to the bore of said mouth piece and open at its opposite end, said barrel fitting in said bore in the bowl and having a side opening in direct communication with the passage at the bottom of the tobacco chamber, means including a plug to close the open end of said barrel, said plug having a recess at its inner end, and an inner tube in the barrel chamber having an open end connected to the inner end of the mouth piece bore and a closed end having one or more inlets to the front of the connection between the barrel chamber and the tobacco chamber, said closed end of said tube extending into said recess, and a pivot for supporting said closed end from said plug.

2,356,976
AUTOMOBILE DOOR CONSTRUCTION
James L. Conlon, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 12, 1941, Serial No. 397,660
4 Claims. (Cl. 296—44)



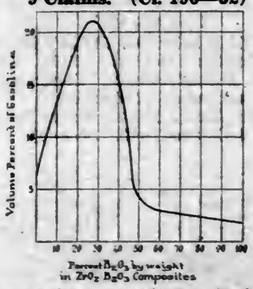
1. In an automobile body, a door constructed of an outer panel and an inner panel having overlapped flanges to form the door overlap flange and a window channel welded to the inner edges of the panels around the door opening, said window channel having stamped out portions lying on the bias to the run of the side wall of the channel, an ornamental die cast frame for the outside of the window opening of the door comprising a frame member having turned in flanges to line the window opening, and flanges on the outside to overlie and cover the outside of the door overlap flanges of the outer and inner panel and fastening devices passed through the stamped out portions of the window channel for securing the frame to the door panels.

2,356,977
FRUIT RESHAPING MECHANISM
Burton C. Coons, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Original application August 26, 1940, Serial No. 354,240. Divided and this application November 16, 1942, Serial No. 465,765
8 Claims. (Cl. 146—19)



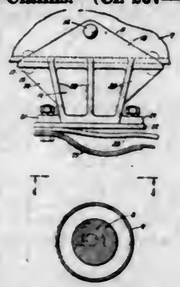
1. A reshaping mechanism for restoring the original appearance of pitted fruit comprising, flexible means for yieldingly engaging the fruit in the region of the wound left by the removal of the pit to move dislocated portions of the meat of the fruit toward their original positions, and means spaced from the flexible means and engageable with said flexible means when the latter yields upon engagement with the fruit for pressing said flexible means against said dislocated portions to force them to their original positions back into the fruit.

2,356,978
CATALYTIC CONVERSION OF HYDROCARBONS
Joseph D. Danforth, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 27, 1942, Serial No. 448,761
9 Claims. (Cl. 196—52)



3. A process for converting a hydrocarbon oil to substantial yields of high anti-knock motor fuel which comprises subjecting said oil at a temperature of from about 750° F. to about 1100° F. to contact with a calcined mixture of zirconium oxide and boric oxide.

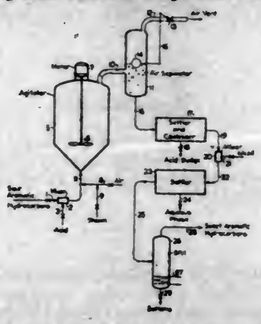
2,356,979
BUMPER
Myers Z. Delp, South Bend, Ind., and Lloyd A. McCormick, Niles, Mich., assignors to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application September 18, 1942, Serial No. 458,809
5 Claims. (Cl. 267—36)



1. A bumper for a vehicle having a frame and and axle normally disposed in spaced relation to said frame comprising, a bracket secured to said frame, a bumper plate secured to said bracket and spaced thereby intermediate said frame and said axle, and a leaf spring secured adjacent one end and to one end of said bumper plate and disposed between the latter and said axle the free end of said leaf spring extending in the same direction as the other end of said bumper plate so that said bumper plate overlies a portion of the free end of said leaf spring.

2,356,980
TOLUENE SWEETENING
Gysbert F. de Ridder, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 21, 1942, Serial No. 503,285
11 Claims. (Cl. 196—29)

1. In a process for sweetening sour aromatic hydrocarbons of 6 to 10 carbon atoms per molecule containing mercaptans, the steps comprising contacting them at a temperature between 75° and 160° F. with between about 2 and 50 pounds per barrel of sulfuric acid of 87–100% concentration and a controlled amount of air, mechanically agitating said mixture to produce a suspension



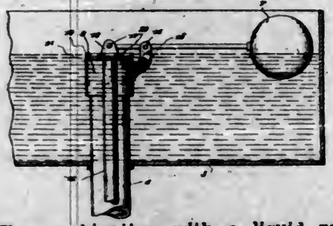
of said acid and air in said hydrocarbons, maintaining said suspension for a period of about ⅓ to 10 hours and then separating said air and said acid from said suspension, said amount of air being substantially less than the stoichiometrical quantity necessary to oxidize all the mercaptans contained in said hydrocarbons to disulfides.

2,356,981
HYDRAULIC GUN CHARGER
John F. Drescher, West Los Angeles, and Walter E. Hirtensteiner, Inglewood, Calif., assignors to Interstate Aircraft and Engineering Corp., a corporation of California
Application August 11, 1941, Serial No. 406,306
6 Claims. (Cl. 89—1)



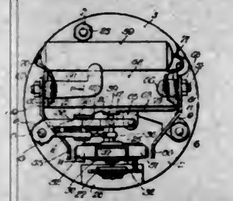
1. In a gun charger adapted to be mounted adjacent a rapid fire gun having an externally projecting gun bolt stud, the combination of: a cylinder; a rider slidably mounted on said cylinder and engageable with the gun bolt stud for moving said stud to a rear position; a piston in said cylinder adapted to be moved from a normal forward position, said rider having a portion extending into said cylinder and engageable by said piston for moving said rider to a rear position, said cylinder having a fluid pressure inlet at one end thereof for admitting a fluid under pressure to said cylinder to move said piston from its normal forward position; means within the cylinder in contact with said piston for returning said piston to its normal forward position; and latch means mounted on the cylinder for engaging and releasably holding the rider at its rear position so as to hold the rider against return movement by said gun bolt stud; and a latch releasing means movably mounted within said cylinder in the path of movement of said piston, said releasing means constructed and arranged to be operated by said piston during the last portion of the return movement of said piston toward its normal forward position, said latch means comprising a portion extending into the path of movement of said latch releasing means to be operated thereby.

2,356,982
FLOAT VALVE
Edward H. East, Edinburg, Tex.; Florence Arnold East, independent executrix of said Edward H. East, deceased
Application March 8, 1943, Serial No. 478,403
4 Claims. (Cl. 119—78)



1. The combination with a liquid receiving trough, of an intake pipe extending within the trough and having its upper end provided with an inlet surrounded by a valve seat, an auxiliary pipe adapted to receive a medicament and having its upper end provided with an inlet surrounded by a valve seat disposed in horizontal alinement with the first mentioned valve seat, a float operating in the trough, a valve operatively connected with the float and movable to closed position for simultaneously closing the inlet of both pipes, and a weight carried by the valve and extending within the first intake pipe for holding the valve in closed position.

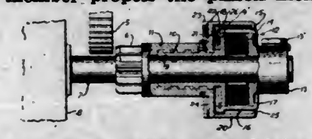
2,356,983
ELECTRIC CLOCK
Jean Fiuk and Thomas B. Gibbs, Delavan, Wis., assignors to George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application November 12, 1940, Serial No. 365,240
13 Claims. (Cl. 58—28)



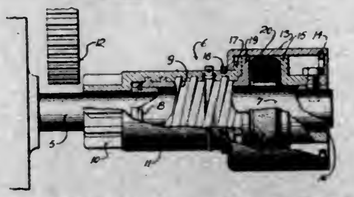
1. In a clock, a frame, an oscillating armature supported on said frame, a magnet core and winding therefor, two members of magnetic material secured to said frame, said members having poles at one end for cooperation with said armature and slotted angularly disposed extensions at the other end for receiving the ends of said magnet core, and means for securing said members to said core after the same has been positioned in the slots in said extensions.

2,356,984
ENGINE STARTER
John W. Fitz Gerald, deceased, late of Milwaukee, Wis., by Mary C. Fitz Gerald, executrix, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application June 19, 1943, Serial No. 491,504
2 Claims. (Cl. 74—7)

1. An engine starter of the character described comprising: a pinion member movable to and from an operative position and including an internally threaded sleeve; an externally threaded rotatable actuator for the pinion threaded into said pinion sleeve; a member adapted to be secured to a drive shaft; a resilient driving connection between said member and the pinion actuator whereby rotation of the actuator through said driving connection relative to the pinion member propels the pinion member toward its operative position, said driving connection including a shell-like housing connected with the actuator and said member; a shell carried by the pinion sleeve and telescoped over said shell-like housing; and cooperating stop abutments on said shells engageable upon propulsion of the pinion member toward operative position to define said operative position of the pinion member.



2,356,985
ENGINE STARTER
John W. Fitz Gerald, deceased, late of Milwaukee, Wis., by Mary C. Fitz Gerald, executrix, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application June 19, 1943, Serial No. 491,507
6 Claims. (Cl. 74—7)

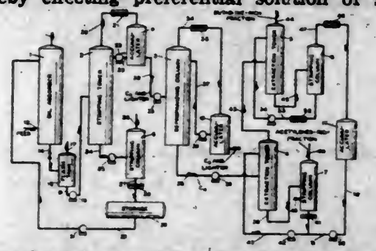


1. An engine starter comprising: a tube adapted to be fitted to the shaft of a starter motor; a shoulder at one end of the tube forming a stop; a pinion actuator loose on the tube and engageable with the stop formed by the shoulder; a pinion member having an operative connection with the actuator to be carried thereby with the pinion projecting beyond the tube; a resilient driving connection between the tube and the pinion actuator comprising, a driving part fixed to the tube, a driven part fixed with respect to the pinion actuator, and an elastically deformable member between said driving and driven parts; and a stop for limiting forward propulsion of the pinion member to its operative driving position comprising a barrel freely rotatably mounted on the pinion member and encircling the resilient driving connection and having a shoulder engageable with a portion of said driving part when the pinion reaches its operative driving position.

2,356,986
PROCESS FOR SEPARATING HYDROCARBONS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 4, 1942, Serial No. 445,786
5 Claims. (Cl. 183—115)

1. The process of effecting resolution of a mixture of butadiene and at least one four carbon

atom acetylene into a fraction rich in butadiene and essentially free from four carbon atom acetylene and a fraction rich in the four carbon atom acetylene content of said mixture which comprises extracting said mixture in gaseous form with an organic liquid selective solvent for the four carbon atom acetylene content thereof and thereby effecting preferential solution of said



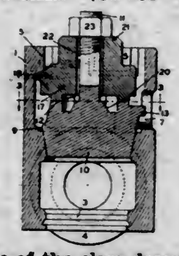
four carbon atom acetylene in said solvent while causing the butadiene to pass through undissolved in gaseous phase and essentially free from four carbon atom acetylene, and separating the resulting solvent enriched in four carbon atom acetylene from the resulting butadiene-enriched gaseous phase essentially free from four carbon atom acetylene.

2,356,987

PLUG TYPE PIPE CLOSURE

Joseph W. Gallop, East St. Louis, Ill., assignor to Key Company, East St. Louis, Ill., a corporation of Missouri

Application May 21, 1943, Serial No. 487,847
11 Claims. (Cl. 138—89)



1. In a device of the class described, the combination with a casing having a pipe receiving portion and a vent opening in alignment therewith, of a plug for said vent opening, a holding member engageable with the casing by rotary movement, and cam means operated by movement of the holding member and independent of its engagement with the casing for applying pressure to seat the plug.

2,356,988

PROCESS FOR THE SEPARATION OF THE CONSTITUENTS OF TALL OIL

Frederick H. Gayer and Charles E. Fawkes, Chicago, Ill., assignors to Continental Research Corporation, Chicago Heights, Ill., a corporation of Illinois

No Drawing. Application April 7, 1942, Serial No. 438,004
13 Claims. (Cl. 260—97.5)

1. A process for the separation and recovery of tall oil resin acids and fatty acids which comprises converting the fatty acids into their alkyl esters, substantially completely neutralizing the resin acids with an aqueous alkali in dilution to provide a resin acid concentration of from about 30 to about 5%, heating the mixture to cause a separation of two layers and recovering the upper layer composed of the major portion of the fatty acid esters and unsaponifiable matter.

2,356,989

CONTROL BOX FOR FIRE EXTINGUISHER SYSTEMS

Charles A. Getz, Glen Ellyn, and Edward K. Kuhles, Wilmette, Ill., assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States

Application August 30, 1941, Serial No. 409,086
4 Claims. (Cl. 177—372)



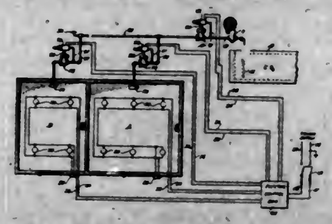
4. In a control box, a cover having an opening, a fracturable transparent plate closing a part of the cover opening, a lever having a body portion shaped to provide an opening and a finger gripping portion above the opening, means for pivotally connecting the lower portion of the lever to the lower portion of said cover so that its finger gripping portion will occupy a part of the cover opening above said transparent plate and its opening will expose the transparent plate when the lever is in its normal position with respect to the cover, and means rigidly carried by the lever for breaking the transparent plate and sweeping the broken fragments from the cover opening as a result of swinging of the lever outwardly from its normal position.

2,356,990

FIRE EXTINGUISHING SYSTEM

Charles A. Getz, Glen Ellyn, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States

Application November 28, 1942, Serial No. 467,191
23 Claims. (Cl. 169—11)



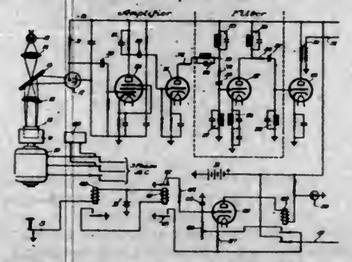
1. A fire extinguishing system for protecting one or more separate hazards, comprising a source of supply of liquid carbon dioxide, piping extending from said source of supply to the one or more separate hazards to be protected and including a branch line for each hazard and a header common to all of the branch lines, a master valve adjacent the source of supply for controlling the flow of carbon dioxide through the header to the branch lines, and a selector valve in each branch line for controlling discharge of carbon dioxide at the hazard served thereby, said master valve including a seating member, and means for applying a yieldable load to said member to hold it against its seat so that a rise in vapor pressure of liquid carbon dioxide, trapped in the piping downstream of the master valve, to a value sufficient to overcome the load applied to the seating member will effect unseating of said member to cause trapped liquid carbon dioxide to be returned to the source of supply.

2,356,991

TIMING APPARATUS

Thomas B. Gibbs, Morris E. Brown, and Parker B. Wickham, Delavan, Wis., assignors, by mesne assignments, to George W. Borg Corporation, Chicago, Ill., a corporation of Delaware

Application August 3, 1940, Serial No. 350,932
17 Claims. (Cl. 73—51)



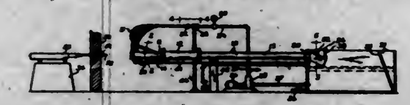
1. Apparatus for timing a fuse which operates responsive to rotation, comprising a motor for rotating said fuse, means for starting said motor, means controlled by the rotating fuse for generating signal currents having a frequency bearing a predetermined relation to the fuse frequency, means for comparing said currents with a frequency standard, and delay means automatically controlled by said starting means for delaying the operation of said comparing means until the motor has attained the proper rotational speed.

2,356,992

PROJECTILE TRAPPING METHOD AND APPARATUS

Irving R. Gilson, Liverpool, N. Y., assignor of one-fifth to Theodore E. Simonton, Syracuse, N. Y.

Application July 28, 1943, Serial No. 496,522
11 Claims. (Cl. 73—51)



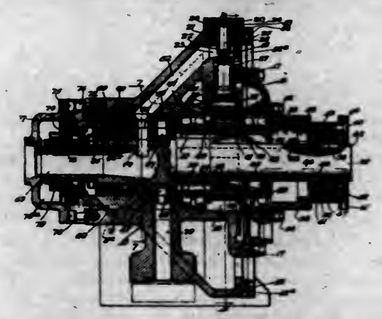
1. The method of decelerating a projectile traveling at high velocity substantially along a preselected trajectory, which comprises intercepting the projectile at a selected interception point near the origin of said trajectory in a compressible commingled stream of liquid and gas flowing in the general direction of said trajectory at a very slow speed compared to the initial velocity of said projectile, and confining said compressible flowing stream and the projectile laterally in all directions against departure from a limited zone surrounding said trajectory from said interception point to a point where the initial velocity of the projectile has been reduced to a desired extent by said flowing stream.

2,356,993

RADIAL PUMP

Rudolph W. Glasner, Chicago, and Einar K. Johansen, Oak Park, Ill., assignors, by mesne assignments, to Midwest Hydraulics, Inc., Chicago, Ill., a corporation of Illinois

Application February 4, 1943, Serial No. 474,658
10 Claims. (Cl. 103—174)



3. A pump or motor having a series of radially arranged stationary cylinders, pistons reciprocable therein, a combined fluid inlet and outlet in communication with each of the cylinders at one end thereof, a rotatable shaft adjacent the other ends of the said passages and through which shaft fluid is supplied to the cylinders by suction created in the cylinders, means carried by the shaft for moving the pistons in one direction, means for adjusting the last said means with respect to the shaft to vary the volumetric discharge of the pump, a pump for supplying fluid under pressure to move the pistons in the opposite direction, valve means rotatable with the shaft for controlling the entrance and exit of fluid into and out of said cylinders, and an operative connection between said pump and said shaft for rotating the latter, the said connection embodying a gear carried by said shaft, with which a gear on the said pump meshes.

2,356,994

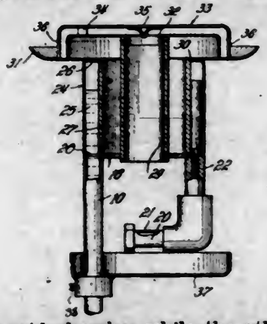
HYDROCARBON FUEL BURNING DEVICE

Eugene E. Goller and Lee R. Foster, Chicago, Ill., assignors to Unique Manufacturing Co., Inc., Chicago, Ill., a corporation of Illinois

Application March 8, 1943, Serial No. 478,440
4 Claims. (Cl. 158—70)

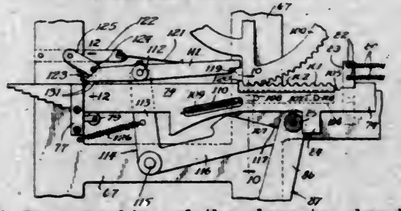
1. A hydro-carbon fuel burning device comprising a chambered member adapted to hold a comparatively large quantity of hydro-carbon fuel and provide a vapor holding chamber in its upper end, said member being formed with a central opening therethrough, the inner wall of said member terminating above the vapor chamber in a flame directing portion while the lower end of said wall constitutes a fuel heating and vaporizing portion; an open-ended mixing flue of uniform diameter arranged lengthwise in said opening in spaced relation with the inner wall of said member; an apertured closure diaphragm for the lower end of said central opening secured to said inner wall and to the lower end of said mixing flue whereby the latter is secured in place and held spaced from said inner wall; a fuel

supply pipe connected with the bottom of said fuel holding chamber; and a vapor tube communicating at one end with said vapor holding



portion of said chamber while the other end is spaced from the lower end of said mixing flue and provided with a vapor discharge port directed toward the end of said flue.

2,356,995
PRINTING MACHINE
Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Original application July 28, 1938, Serial No. 221,841. Divided and this application October 16, 1941, Serial No. 415,318
6 Claims. (Cl. 101—19)

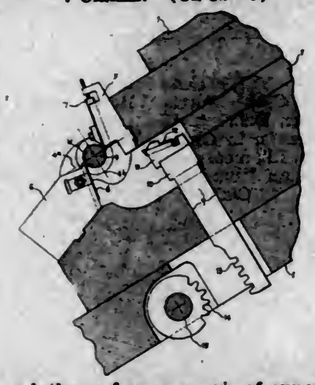


1. In a machine of the character described having amount manifesting means, the combination of sensing elements movable through normal sensing movements to cooperate with said amount manifesting means, each of said sensing elements being arranged to sense one order of an amount manifested, members respectively mounted on said sensing elements and capable of limited movement relative thereto, means operable upon all of said members pertaining to the orders higher than the highest order in which a significant digit is manifested to impart to each last-named member movement relative to its element, symbol printing means, and type segments settable by such relative movements of said members to set said symbol printing means in printing position.

2,356,996
PYRIDINE-AMINE-SALTS OF PARA-AMINOBENZOIC ACID AND METHOD OF MAKING THE SAME
Samuel M. Gordon, Forest Hills, and Frank Kipnis, Brooklyn, N. Y., assignors to Endo Products, Inc., Richmond Hill, N. Y., a corporation of New York
No Drawing. Application November 6, 1941, Serial No. 418,044
4 Claims. (Cl. 260—296)

1. A compound selected from a class which consists of alpha-pyridyl-ammonium p-aminobenzoate, beta-pyridyl-ammonium-p-aminobenzoate, gamma - pyridyl - ammonium p - aminobenzoate, alpha-alpha'-pyridyl-diammonium p-aminobenzoate, and pyridine-6-methyl-2-ammonium p-aminobenzoate.

2,356,997
TOOL FEEDING MECHANISM
William F. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application September 16, 1940, Serial No. 356,993
7 Claims. (Cl. 82—9)



1. In a lathe; a frame; a pair of oppositely reciprocable tool feeding bars mounted in said frame; a series of roughing tools on said tool bars; means for effecting feeding motion in said tool bars for simultaneously presenting said roughing tools to a work piece in said lathe; a finishing tool feeding bar, movably mounted on one of said roughing tool feeding bars for feeding movement in a direction angularly related to the direction of feeding movement of said roughing tool bars, presentable to and from cutting position relative to said work piece by the movement of said one roughing tool bar; a cutting tool on said finishing tool feeding bar; and means on said frame for feeding said finishing tool feeding bar relative to said work piece when said roughing tool feeding bars are in retracted position relative to said work piece.

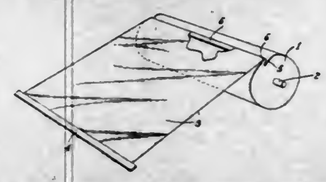
2,356,998
TOWING ATTACHMENT
George Haniquet, Glendale, Calif.
Application March 27, 1942, Serial No. 436,460
11 Claims. (Cl. 280—33.15)



1. A towing attachment comprising: a generally U-shaped hook having a hub at one side thereof; a flange projecting from the hub and having a keeper opening disposed beyond one end of the hub; a locking bar having a laterally projecting hinge pin rotatably mounted in the hub

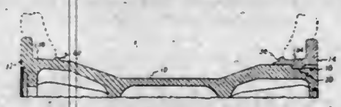
to mount the bar at said end of the hub for swinging movement across the hook opening to close or clear the latter according as the bar occupies one extreme position or another; said bar having a longitudinal bore therein; a latch bolt mounted in said bore for movement axially to occupy advanced and retracted positions; a spring in said bore for uring said bolt to its advanced position wherein the end of the bolt will enter said keeper opening to latch the locking bar in its closing position with respect to the opening of the hook; and manually operable means by which the bolt can be retracted.

2,356,999
FACSIMILE SCANNER DRUM
John V. L. Hogan, Forest Hills, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of New York
Application September 29, 1941, Serial No. 412,709
5 Claims. (Cl. 178—7.1)



1. A sheet mounting device for holding copy in a facsimile scanner consisting of a drum, a sheet of transparent material fastened to said drum along one edge, and means comprising a wedge-shaped strip fastened to the other edge of said sheet to be inserted in a longitudinal slot in the surface of said drum for frictionally holding the other edge for closely wrapping said transparent sheet around said drum to hold a sheet of copy against the surface of said drum.

2,357,000
WHEEL CONSTRUCTION
Charles Hollerith, Jackson, Mich., assignor to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application January 6, 1941, Serial No. 373,301
1 Claim. (Cl. 152—406)



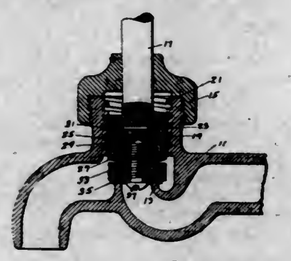
A wheel for a pneumatic tire comprising a wheel body having a peripheral tire receiving portion provided with an integral outwardly projecting tire retaining flange at one side and being of reduced diameter toward the other side, the portion of reduced diameter having a peripheral groove therein, a pair of semi-circular removable tire retaining flange members fitted on the portion of reduced diameter and having a rib received in the peripheral groove, said removable tire retaining flange members being generally L-shaped in cross section with one arm of the L-shape conforming around and extending inwardly along the wheel body and externally provided with a peripheral tire bead seat and the other arm projecting outwardly as a tire retaining flange, and said removable members being provided with a low annular ridge spaced inwardly from the outwardly projecting flange beyond the tire bead seat.

2,357,001
DRILL STEEL CENTRALIZER
John A. Hope, Lakewood, Ohio, assignor, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application November 10, 1941, Serial No. 418,441
7 Claims. (Cl. 255—51)



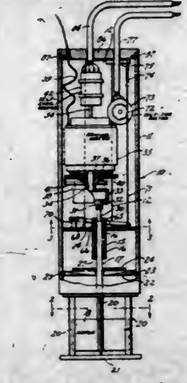
1. A drill steel centralizer comprising a pair of pivoted arms the free ends of which are adapted to swing toward and away from each other, drill steel guiding parts mounted in said free ends, a pair of tongue and groove joints in said free ends spaced apart lengthwise of the drill steel, and clamping means comprising a dog pivotally connected with one arm and arranged to swing between said tongue and groove joints, said dog having lateral projections arranged to engage the other arm for securing the arms in operative position.

2,357,002
VALVE
William T. Houser, Memphis, Tenn.
Application June 26, 1943, Serial No. 492,392
5 Claims. (Cl. 251—46)



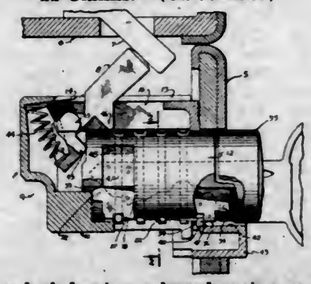
1. In a valve having an annular seat and a rotatable rising stem concentric with said seat, a chamber in the lower end of said stem and concentric therewith, a cylindrical post, having its upper end enlarged, disposed in said chamber, a sleeve loosely surrounding said post, disposed in said chamber and underlying said enlarged post end, and retained by engagement with the wall of said chamber, said sleeve having its lower end outwardly flanged to underlie the lower end of said stem around said chamber, said post having a tapered lower end extending beyond the lower end of said sleeve and being internally bored and threaded, a disc centrally apertured in conformity with the projecting end of said post and secured thereon, a washer as of hard fiber seated against the lower face of said disc, and a screw conforming to the internal threading of said post, clamping said washer against said disc, said post between its enlarged upper end and said disc being of greater length than said sleeve and adapted to space the upper face of said disc from the end of said sleeve and allow limited free longitudinal movement of said disc into and out of engagement with the lower end of said sleeve.

2,357,003
APPARATUS FOR MEASURING THE VISCOSITY AND DENSITY OF LIQUIDS
John P. Hurndall, Los Angeles, Calif., assignor to Petroleum Instrument Corporation, Los Angeles, Calif., a corporation of California
Application August 22, 1940, Serial No. 353,718
7 Claims. (Cl. 265—11)



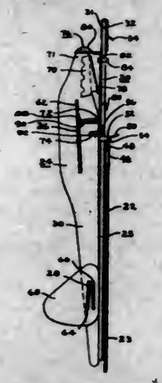
1. In apparatus for measuring the viscosity and density of a liquid, the combination of: a vertically movable rotor adapted to be rotated in the liquid to be tested; means for rotating said rotor including a rotative connection causing said rotor to freely move in a vertical direction while rotating; a spring acting to support said rotor vertically when said rotor is in said liquid; and measuring means responsive to the vertical position of said rotor.

2,357,004
LOCK DEVICE
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Original application September 5, 1941, Serial No. 409,611. Divided and this application April 3, 1942, Serial No. 437,547
22 Claims. (Cl. 70—367)



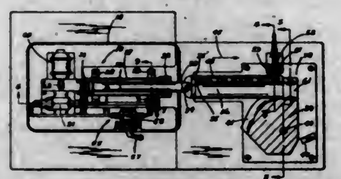
1. In a lock having a bored casing, a cylinder and spring pressed tumblers carried by the cylinder and cooperating with the casing to secure the cylinder against rotation: means for removably securing the cylinder in the casing comprising a shoulder on the casing; a part connected with the cylinder and restrained against endwise movement with respect thereto but free to move radially, said part being engageable with the shoulder and having means reacted against by all of the tumbler springs so that the tumbler springs collectively bias said part to its operative shoulder engaging position.

2,357,005
TOY AIRPLANE
James M. H. Jacobs, Dayton, Ohio; Ruth Ann Jacobs, administratrix of said James M. H. Jacobs, deceased
Application July 30, 1942, Serial No. 452,847
9 Claims. (Cl. 46—76)



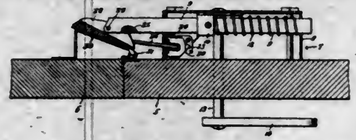
1. An aerial apparatus, comprising in combination, a toy plane, adapted to be projected into flight, a holding device associated with said plane, a second toy plane adapted to be carried by said first mentioned plane and held thereto by means of the conjoint action of air pressure and said holding device during the upward portion only of its flight, and releasing means for releasing said second plane from said holding device, when the air pressure acting on the second plane due to velocity of upward flight approaches zero whereby said second plane is released from the first mentioned plane during another portion of its flight and each of said planes take separate paths of flight.

2,357,006
TUBE BENDING MACHINE
Arthur Bernhardt Johnson, Cleveland Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application October 27, 1942, Serial No. 463,489
5 Claims. (Cl. 153—40)



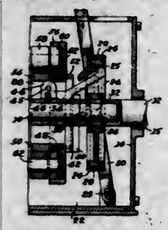
1. A tube bending machine of the character described, comprising, a pair of bases arranged in different horizontal planes, a casing mounted on one of said bases, a cylinder supported within said casing, a rod carrying a piston on one end operable within said cylinder, the other end of said rod extending through said casing, a tube supporting housing mounted on the other of said bases, said housing being connected at one end to the extending end of said rod, tube bending means at the other end of said housing and movable therewith, and means for operating said rod to push said tube housing whereby to bend the tube carried thereby.

2,357,007
CLOSURE FASTENER
Richard B. Jones, Rapid City, S. Dak.
Application April 7, 1943, Serial No. 482,160
3 Claims. (Cl. 292—335)



1. A closure fastener comprising a stationary keeper having an inclined portion, a movable closure, a spring projected bolt on the closure, manual means for retracting the bolt, said bolt being provided with a pivotal rider at one end thereof for riding the slope of the keeper, and detent means for the bolt, said detent means comprising a rockable member adapted to hold the bolt in retracted position, and a slide pin operated by the rider at its retracted position for tripping the detent member.

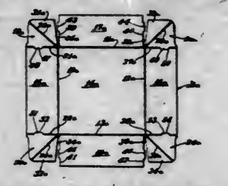
2,357,008
CAM ADJUSTING DEVICE
George O. Joyner, St. Louis, and Donald Scott Myers, Kirkwood, Mo.
Original application April 13, 1940, Serial No. 329,465. Divided and this application August 14, 1941, Serial No. 406,924
3 Claims. (Cl. 74—568)



1. In a cam adjusting device, the combination of a frame, a rotatable shaft, a cam, a counter balance, and cam moving means including a lever, a collar, a sleeve and a handle, said cam being mounted on and being rotatable with said rotatable shaft, said cam and said rotatable shaft being locked together in such a manner that said cam can be moved radially of said rotatable shaft but cannot be rotated relative to said rotatable shaft, said lever being supported by and being rotatable with said rotatable shaft, said collar being rotatable with said cam and said lever and being movable to actuate said lever and thereby change the eccentricity of said cam, said sleeve being in sliding engagement with said collar and being movable by said handle, said counterbalance being associated and rotatable with said cam, and said counterbalance being arranged to maintain automatically the dynamic balance of the cam adjusting device irrespective of the eccentricity of the cam.

2,357,009
CARTON
Stanley J. Klein, Englewood, N. J., assignor to Empire Box Corporation, Garfield, N. J., a corporation of Delaware
Application January 18, 1943, Serial No. 472,694
2 Claims. (Cl. 229—32)

1. In a carton, a bottom wall, opposite wall sections respectively joined to opposite marginal edges of said bottom wall along fold lines, other wall sections disposed to extend intermediate said opposite wall sections and respectively joined to the bottom wall along fold lines, and inset inwardly out of alignment with the fold lines of said opposite wall sections and provided with a tab at each end thereof spaced from the bottom fold line, said tabs having their free ends so related to the fold lines of said opposite wall sections that when the intermediate wall sections are folded over onto the bottom wall the tabs will fold flat upon the bottom wall and not



extend beyond the fold lines of said opposite wall sections, and corner members respectively joined to opposite ends of the opposite wall sections along fold lines and having tab receiving openings thereat, said tab receiving openings being spaced from said opposite wall bottom fold lines the same distance as said tabs said corner members being respectively secured to the intermediate wall sections in such manner as to incline the opposite wall sections toward each other in the erected carton and simultaneously cause the tabs of the intermediate wall sections to enter the said tab receiving openings.

2,357,010
LOOM PICKER
Erwin K. Krueger, Denver, Colo.
Application June 4, 1943, Serial No. 489,709
2 Claims. (Cl. 139—160)

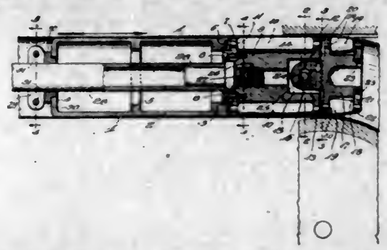


1. A loom picker comprising a loop having an open area enclosed by a wall composed at least in part of resilient thermo-setting plastic, the wall of the loop being of equal thickness at all points and provided with opposed axially aligned openings adjacent one end forming bearings for a guide rod, the other end of the loop having a lug of less width and cross sectional area than the loop for engaging a guide slot, the outer surface of the loop wall adjacent the end having the guide lug having a depression for the reception of a shuttle point, the end opposite the guide lug having an opening for the reception of a picker stick strap.

2,357,011
MANDREL
Charles E. Lampe, Sr., Philadelphia, Pa., assignor, by direct and mesne assignments, of four-tenths to Charles Lovejoy, and one-tenth to Henry M. Kannee, both of Washington, D. C.
Application November 14, 1942, Serial No. 465,626
In Canada October 17, 1942
3 Claims. (Cl. 153—63)

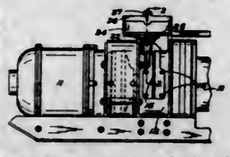
1. A mandrel of the class described comprising a cylindrical body, a spinner body of substantially cylindrical formation secured to the cylindrical body, a drive shaft removably secured to

said spinner body and to said cylindrical body, the periphery of said spinner body being provided with radially projecting flanges at front and rear ends, a plurality of rollers about said spinner body extending longitudinally thereof and rotatably supported in the flanges at ends of the spinner body, a spinner head of substantially cylindrical formation having the periphery thereof arcuately formed, said spinner head being loosely linked to the front end of said spinner



body for universal tilting movement with respect to the latter, said spinner head being adapted for longitudinal and rotary movement with said spinner body, said spinner head being also formed with radial flanges at its front and rear ends, and a plurality of additional rollers extending longitudinally of the spinner head and rotatably supported in the flanges at ends of the spinner head, the peripheries of said last mentioned rollers being arcuately formed.

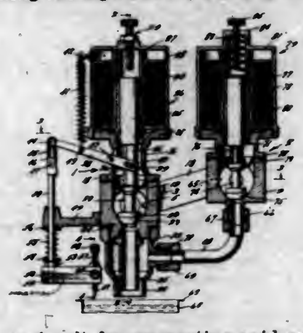
2,357,012
CAPSTAN
Earl B. Lear, Garfield Heights, Ohio, assignor, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application May 4, 1942, Serial No. 441,647
3 Claims. (Cl. 254—183)



3. In combination with a hoist having a plurality of drums horizontally disposed within a housing, of a capstan sheave mounted on a shaft extending vertically relative to said drums, said capstan sheave having a hub arranged at right angles to the axes of said drums, a bracket for detachably connecting said capstan sheave to the hoist housing, a cable guard including a horizontal plate mounted on said shaft above said capstan sheave and disposed substantially parallel to said hub, and an annular vertical wall depending from said plate and forming a part of said guard for enclosing a portion of the periphery of said capstan sheave.

2,357,013
CONTROL SYSTEM FOR FILLERS
Ronald B. McKinnis, Winter Haven, Fla., assignor, by mesne assignments, to Ronald B. McKinnis, doing business as McKinnis Foods, Winter Haven, Fla.
Application March 12, 1941, Serial No. 383,045
8 Claims. (Cl. 226—68)

1. A control system for filling containers with liquid while blanketing the liquid with a blanketing fluid comprising a fluid valve for controlling flow of blanketing fluid, a liquid valve for controlling flow of the liquid, a solenoid energizable for opening the fluid valve, a solenoid energizable for opening the liquid valve, a source of electrical

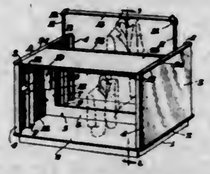


energy, a circuit for connecting said source with the solenoids, a starting switch for closing the circuit to energize the solenoid for the fluid valve, and delayed action means in the circuit to energize the solenoid for the liquid valve a predetermined interval of time after the closing of the starting switch.

2,357,014
FLUX COMPOSITION
Menahem Merlub-Sobel, Jersey City, N. J., and Jerome M. Bialosky, Portsmouth, Ohio, assignors to William L. Ulmer, Cleveland Heights, Ohio
No Drawing. Application July 7, 1941, Serial No. 401,332
6 Claims. (Cl. 148—26)

1. A flux consisting mainly of an alkali fluoborate and an alkali borate more basic than the pentaborate.

2,357,015
GARMENT CASE
Nathan Mestel and Joseph Berman, New York, N. Y., assignors to Aaron A. Mestel, Brooklyn, N. Y.
Application June 18, 1940, Serial No. 341,088
9 Claims. (Cl. 312—176)

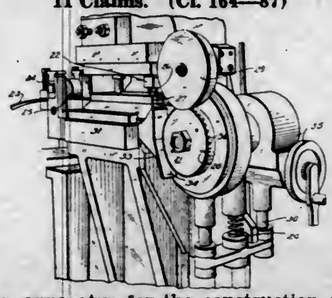


9. A garment case having in combination a base; a vertical frame-like member having an opening at its central portion sustained by said base; two sections in close proximity upon said base and separated by said frame-like member and intercommunicating through said opening; each section being equipped with a pair of upright end pieces sustained by the base, a garment supporting means vertically adjustable to the length of garments to be accommodated, and a cover which may be closed in a horizontal position over the garment supporting means, when short garments are being accommodated, and opened by being slid into a vertical position between the two sections by means of vertical guide means in the case, when long garments are being accommodated; the two garment supporting means being disposed at such a distance from each other that the wide portions of garments supported by one such means may intermesh with the wide portions of garments supported by the other such means, such intermeshing being possible when both covers are open and both garment supporting means in raised positions and also when both covers are closed and both garment supporting means in lowered positions.

2,357,016
BINDING AGENTS FOR LINOLEUM, MASTIC TILE, ETC.
Abraham B. Miller, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 25, 1941, Serial No. 399,739
3 Claims. (Cl. 106—228)

1. A binding agent for linoleum comprising an oxidized mixture of a polymerized rosin and an oil of drying properties.

2,357,017
ELECTRICAL APPARATUS AND METHOD
Logan C. Miller, Ann Arbor, and Horace A. Chubbuck, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 12, 1943, Serial No. 475,636
11 Claims. (Cl. 164—87)



9. An apparatus for the construction of cores for electrical machines from strip stock comprising, a winding means, a forming means, said winding means being designed to draw strip material through said forming means and wind same in a laminated ring, said winding means arranged to rotate intermittently through predetermined angles, said forming means arranged to operate on said stock concurrently between said winding operation, means to vary the distance between said forming means and said winding means in proportion to the increase in diameter of said core, said forming means comprising a plurality of punches successively operating on said strip stock to form a single opening therein, and means varying the distance between said punches to increase the size of said opening in proportion to the increase in diameter of said ring.

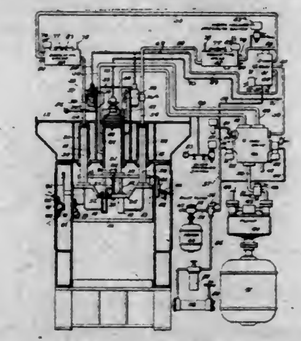
2,357,018
SMOKING APPLIANCE
Raymond J. Miller, Detroit, Mich.
Application August 1, 1940, Serial No. 349,265
5 Claims. (Cl. 131—212)

1. In a holder, a recessed member, a bit, connecting means between the recessed member and the bit comprising a casing having spaced longitudinally extending heat radiating flanges between the recessed member and bit, a plurality of spaced nested tubes positioned within said casing and spaced therefrom, a radially extending spiral interposed between said casing and one of said nested tubes, longitudinally spaced apertures interconnecting the spaces between said



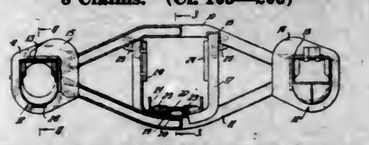
casing and tubes and between said tubes whereby smoke may be directed through a spiral passage between said casing and one of the tubes and be induced by said apertures to flow in opposite directions relative to the nested tubes when passing from the recessed member to the bit, and a saliva trap spaced longitudinally from the path of the smoke.

2,357,019
HYDRAULIC DOUBLE-ACTION DRAW PRESS
Alois K. Nowak, and Thomas W. Bannon, Berwyn, Ill., assignors to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application October 5, 1942, Serial No. 460,840
9 Claims. (Cl. 113—45)



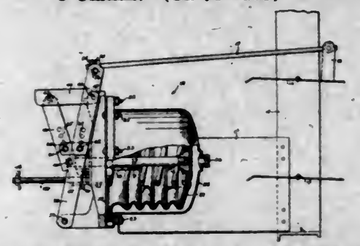
1. In combination in a press, a slide, a work clamping slide supported thereby for movement therewith and with respect thereto, means for moving the first said slide to move the clamping slide into a clamping position, cylinder and piston units connected with the clamping slide, means for creating and means for maintaining in the said units a predetermined fluid pressure upon the clamping slide, an auxiliary cylinder and piston unit operable by the relative movement of the slides, means operating when said predetermined pressure is established, to disconnect the source of fluid pressure supply from the first said units, and for connecting said source of supply to a cylinder and piston unit for actuating the first said slide to further move the latter in a direction toward the work, and means whereby upon relative movement of said slides after said predetermined fluid pressure has been established upon the work clamping slide, to transfer the pressure fluid from said auxiliary cylinder to the cylinder which fluid pressure upon the work clamping slide has been created, to compensate leakage in the clamping slide cylinders while maintaining the said predetermined pressure in the last said cylinders against variation.

2,357,020
CAR TRUCK SIDE FRAME
Karl F. Nystrom, Milwaukee, Wis.
Application October 12, 1942, Serial No. 461,810
8 Claims. (Cl. 105—206)



4. A car truck side frame comprising, in combination with a pair of journal boxes, a truss forming top chord and a bottom chord of steel tubing, with the ends of the chords arranged in juxtaposition adjacent the sides of the journal boxes and intimately secured thereto, the bottom chord being formed to define a catenary curve; a single piece stirrup whose lower end defines the curvature of the bottom chord, the upper ends of the stirrup being intimately united with the top chord while the bottom of the stirrup rests loosely on the curved portion of the bottom chord; and a transversely curved spring plank loosely mounted on the curved bottom of the stirrup with its sides spaced from the sides of the stirrup.

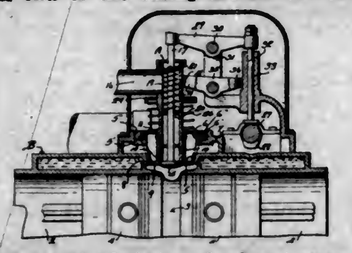
2,357,021
MOTOR
Bertram P. Pond, River Forest, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 21, 1942, Serial No. 443,885
9 Claims. (Cl. 74—103)



1. In combination, a reciprocable driving member, motor means for reciprocating said member, a support, a driven lever pivoted in said support at a point spaced from said driving member, an arm having a first end pivotally attached to said support at a second point spaced from said driving member and on the opposite side thereof from the first mentioned point, a driving lever pivoted at one end to the second end of said arm and having its other end pivoted to said driving member, and means for transmitting force from said driving lever to said driven lever.

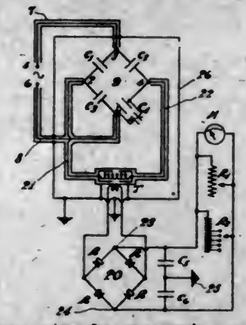
2,357,022
VALVE
Sidney C. Raybon, Pensacola, Fla.
Application April 14, 1942, Serial No. 438,941
6 Claims. (Cl. 123—188)

1. A valve structure for controlling the inlet and exhaust of the explosion chamber of an internal combustion engine, comprising a casing fixedly mounted within an opening of the engine, said casing having its inserted end open for communication with the explosion chamber and its opposite end closed, said casing having an exhaust opening, a tubular member extending within the casing and depending from the closed end of the casing, a valve member surrounding said tubular member and normally bearing against the edges of and closing the lower open end of the casing around the tubular



member against admission of exhaust gases from the explosion chamber, and a valve member closing the lower end of the tubular member for cutting off the inlet to the explosion chamber.

2,357,023
LIQUID LEVEL MEASURING APPARATUS
Oliver Walter Reid and Errol du Prees Erasmus, Germiston, Transvaal, Union of South Africa
Application October 11, 1941, Serial No. 414,676
In the Union of South Africa January 30, 1941
7 Claims. (Cl. 73—304)



1. An apparatus for measuring and indicating the quantity of liquid in a container comprising an immersion condenser unit located in the container and for which the liquid itself forms the dielectric, an alternating current bridge circuit having two condensers of fixed and equal capacity each forming an arm of the bridge, the remaining arms being made up of a variable capacity condenser and the condenser unit of the container respectively, a source of alternating current of predetermined frequency connected in the circuit with the bridge at input points, the bridge being arranged to be in an unbalanced state as long as any liquid remains in the container, a direct reading electric instrument, the output terminals of the bridge being connected with the instrument, which instrument is calibrated to indicate at any time the amount of liquid in the container in accordance with changes in the magnitude of the current flowing from said output terminals.

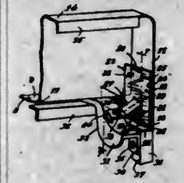
2,357,024
GAUGE
Stanley John Robins, New York, N. Y.
Application November 1, 1943, Serial No. 508,570
2 Claims. (Cl. 33—172)

1. In a gauge of the dial indicator type the combination of a hollow gauge body, a dial indicator and a sleeve extending from said indicator and into the top part of said body, with a cylindrical body seated in the top part of said body and surrounding said sleeve, a tongue being formed in the wall of said cylindrical body by two



incisions extending substantially at right angles to the cylinder axis and another incision connecting said two incisions, and a set screw in said gauge body arranged for exerting pressure on said tongue.

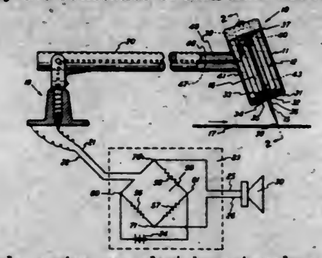
2,357,025
REINFORCED SHEET METAL CABINET CONSTRUCTION
Folke Sandberg, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application September 23, 1940, Serial No. 357,858
12 Claims. (Cl. 126—214)



1. A corner reinforcement for a sheet metal panel structure, comprising the combination with a panel member having sheet metal walls joined to one another so as to define an L-section and outwardly directed flanges on said walls substantially in right angle relation to said walls and in substantially coplanar relationship to one another and joined together, of a generally flat L-shaped gusset plate disposed in bracing abutment with the outer side of said L-section alongside said flanges, said plate being bent so that the outer generally L-shaped edge portions of the plate have line contact with the flanges in spaced relation to said walls, and the inner generally L-shaped edge portions of the plate have line contact with the first mentioned walls in spaced relation to the flanges, said plate being suitably secured in place on the panel member with said first mentioned edge portions tightly engaging said flanges and said last mentioned edge portions tightly engaging said walls in the manner stated.

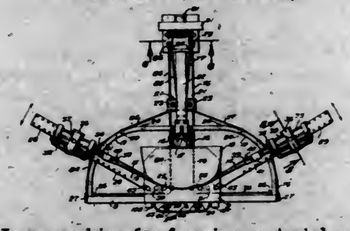
2,357,026
PHONOGRAPH
Serge Alexander Scherbatskoy, Tulsa, Okla.
Application October 30, 1943, Serial No. 508,357
3 Claims. (Cl. 179—100.4)

1. In a phonographic pick-up device, adapted for the translation of mechanical oscillations from the undulating groove of a moving record into corresponding electrical oscillations and including vibration translating means: the combination of a stylus adapted to engage in and to be vibrated by the groove of said record and to influence the translating means, the translating means comprising a vessel containing electrically conductive fluid with electrodes immersed in said fluid, and means responsive to the vibrations of said stylus for varying the relative position of said electrodes as a function of said vibrations whereby the resistance of said fluid between said



electrode varies, an electric network connected to said electrodes and a source of voltage connected to said network whereby the variation of said resistance between said electrodes produces electrical oscillations in the output of said network, said oscillations representing the undulations in the groove of said moving record.

2,357,027
BENDING AND BEVELING MACHINE
Richard Seifried, Inglewood, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application October 26, 1942, Serial No. 463,327
7 Claims. (Cl. 153—32)

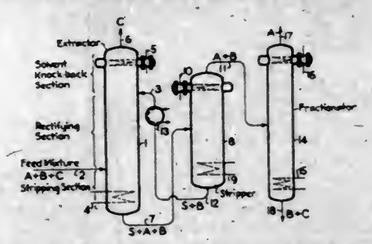


1. In a machine for forming material, a frame, a mandrel platform supported horizontally on said frame, a forming mandrel adjustable forwardly and rearwardly on said platform, means for adjustably limiting rearward movement of the mandrel, pivoted arms supported and guided by the frame and swinging relative to the mandrel, material connecting means mounted on said arms, mechanism connected with the material-connecting means to draw such means away from each other during swinging movement of the arms, thereby applying tension upon the material, cable and pulley means connected to opposite sides of the arms to swing the arms in opposite directions including a winch, and means actuated by said winch for stopping operation thereof when the arms reach the end of each swinging movement thereof.

2,357,028
SOLVENT EXTRACTION PROCESS
Russell N. Shiras and Ava J. Johnson, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 4, 1943, Serial No. 497,406
16 Claims. (Cl. 202—67)

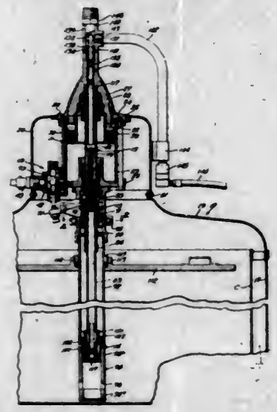
1. In an extractive distillation process with a relatively high boiling selective solvent for sepa-

rating a vaporizable mixture of three components A, B and C which cannot be separated from one another by fractional distillation alone, A and B being more soluble in said solvent than C, A being sufficiently more volatile than B to be separable from B by fractional distillation in the absence of C, and C boiling at a temperature at or near the boiling temperatures of A and B but not substantially above that of B, the steps comprising contacting said mixture at a temperature above its boiling temperature with said liquid



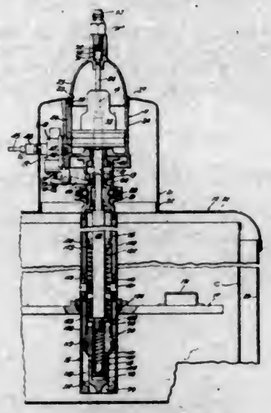
solvent which contains a substantial amount of B, to produce a raffinate containing C and an extract containing A and B in said solvent, separating said raffinate and extract, stripping said extract under conditions to produce a residue comprising said solvent and containing between about 5% and 50% by volume of B, and a distillate containing A and the remainder of B, returning said residue for recontact with said mixture, and fractionating said distillate to separate A and B.

2,357,029
LUBRICANT HANDLING DEVICE
Neil V. Smith, Los Angeles, Calif., assignor to Smith-Johnson Corporation, Los Angeles, Calif., a corporation of California
Application March 11, 1941, Serial No. 382,717
14 Claims. (Cl. 103—5)



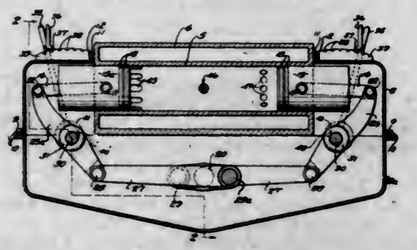
1. Lubricant handling apparatus for pumping lubricant from a supply body of lubricant comprising low pressure pump means adapted to be within said supply body of lubricant, high pressure pump means adapted to be at the exterior of said supply body, a reciprocable transfer tube for conducting lubricant under pressure from the low pressure pump means to the high pressure pump means and mechanically connecting the pump means for simultaneous operation, a motor for operating the pump means through the transfer tube, a valve operable to control the motor so that the motor will operate the pump means, and means operatively connected with said tube between the pump means for operating the valve.

2,357,030
LUBRICANT PUMPING APPARATUS
Neil V. Smith, Los Angeles, Calif., assignor to Smith-Johnson Corporation, Los Angeles, Calif., a corporation of California
Application April 14, 1941, Serial No. 388,407
17 Claims. (Cl. 222—255)



2. Lubricant pumping apparatus for use with a lubricant container comprising low, intermediate and high pressure pump means for pumping the lubricant from the container and increasing the pressure on the lubricant by stages, the low pressure pump means being in direct lubricant receiving relation to the container, the intermediate pressure pump means directly receiving the lubricant from the low pressure pump means and the high pressure pump means being above the lubricant level of the container, a transfer tube for conducting the lubricant from the intermediate pressure pump means to the high pressure means, and a motor at the exterior of the container for operating the several pump means.

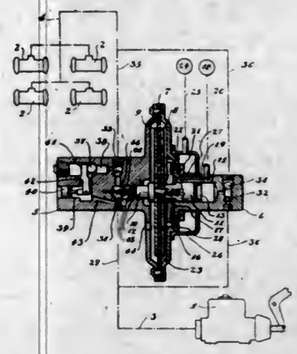
2,357,031
INTERNAL-COMBUSTION ENGINE
Dwight W. Stabler, Venice, Calif.
Application March 7, 1942, Serial No. 433,741
1 Claim. (Cl. 123—51)



An internal combustion engine comprising a cylinder, a piston reciprocally mounted in the

cylinder, a crank operatively connected to the piston, an exhaust port through the cylinder side wall in position to be alternately covered and uncovered by the piston during reciprocation of the latter, and means for injecting air under pressure into the cylinder while the exhaust port is uncovered, said exhaust port communicating with the cylinder at a point spaced inwardly thereof from the inner end of the piston when the latter is at the end of its outward stroke and being open at all times except when covered by the piston.

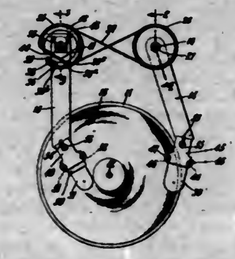
2,357,032
HYDRAULIC BOOSTER
William Stelzer, Detroit, Mich.
Application October 7, 1942, Serial No. 461,188
12 Claims. (Cl. 60—54.5)



1. In a hydraulic braking system having a manually operated hydraulic pressure producing device and hydraulic pressure receiving means to apply the brakes, in combination, a hydraulic booster comprising an expansible chamber of large displacement arranged to receive fluid under pressure from said hydraulic pressure producing device and to transmit fluid under pressure to said hydraulic pressure receiving means, an expansible chamber of smaller displacement arranged to force fluid under pressure to said hydraulic pressure receiving means, said expansible chambers being operatively connected to work in unison, check valves intermediate said hydraulic pressure receiving means and said expansible chambers to prevent the return of hydraulic fluid from said pressure receiving means to said chambers, power operated means to return said chambers to their starting position after a working stroke, and means to provide the return of fluid from said hydraulic pressure receiving means to said pressure producing device after the hydraulic pressure in the latter is reduced.

2,357,033
PICKUP FEED MECHANISM FOR PHONOGRAPHS
Lincoln Thompson, Cheshire, Conn., assignor to The Soundscriber Corporation, New Haven, Conn., a corporation of Connecticut
Application May 28, 1943, Serial No. 488,829
8 Claims. (Cl. 274—13)

1. In a sound reproducing machine, a rotatable disk record, a constantly driven feed shaft having a recording arm mounted thereon, a pickup arm pivotally mounted to swing over said record, a shaft rigidly secured to said pickup arm, each of said shafts having a pulley mounted thereon, and



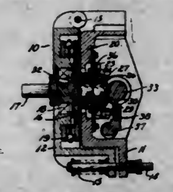
a cable passing around both of said pulleys for driving said pickup arm from said feed shaft.

2,357,034
COUNTERBALANCED PICKUP ARM
Lincoln Thompson, Cheshire, and Robert L. Stone, Orange, Conn., assignors to The Soundscriber Corporation, New Haven, Conn., a corporation of Connecticut
Application July 26, 1943, Serial No. 496,110
6 Claims. (Cl. 274—23)



1. In a phonograph, a driven turntable, a disk record supported thereon, a reproducing arm mounted to swing parallel to said record, the rear end of said arm being mounted on a bearing shaft located at right angles to said record, said arm having a counter-balancing weight adjustably secured thereto at a point behind said bearing shaft to neutralize the component of the force of gravity acting upon the reproducing needle parallel to the record surface tending to swing the reproducing head needle out of its groove when the phonograph is tilted to an off-level position.

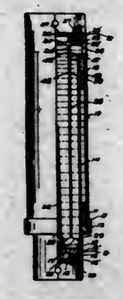
2,357,035
VARIABLE SPEED DRIVE
Lee S. Treese, Dearborn, and Elmer G. Schubert, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application October 24, 1942, Serial No. 463,162
1 Claim. (Cl. 74—198)



In a variable speed device, a housing, a disc rotatably mounted in said housing and having a shaft extending therefrom, a drum rotatably

mounted in said housing and spaced from and parallel to said disc, a slot in said housing, a carriage slidably mounted in said slot between said disc and said drum, means to vary the radial position of said carriage with respect to said disc, a ball housing secured to said carriage, a pair of balls in contact in said ball housing, first said ball being in contact with said disc, second said ball being in contact with said drum, the common axis of said balls being substantially parallel at all times with the axis of said disc shaft, a bearing cage secured within said carriage, a plurality of needle bearings disposed in said cage and supporting said balls, the longitudinal axes of said needle bearings being substantially parallel to the axis of said disc shaft, and means to selectively vary the pressure between said disc, balls and drum.

2,357,036
SHOCK ABSORBING STRUT
John F. Wallace, University Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application November 3, 1941, Serial No. 417,679
4 Claims. (Cl. 267—64)



1. In a device of the class described, a cylinder, a tube and a piston head slidable in said cylinder, said piston head being made of two substantially semicircular sections jointed on said tube to form a substantially uninterrupted cylindrical head, the joints between said sections each including a plurality of interengaging teeth formed on the adjacent vertical end walls of said sections, a removable retaining pin extending vertically through the teeth of each joint, a head on said pin, a recess on the peripheral wall of each section adapted to receive the head of said pin, and interengaging means between said tube and sections preventing relative axial movement therebetween.

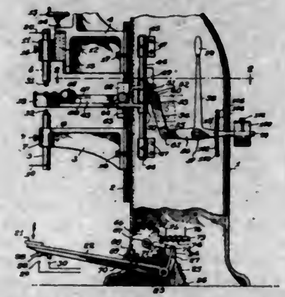
2,357,037
HAND LUGGAGE
George Henry Wheary, Jr., Racine, Wis., assignor to Wheary, Incorporated, a corporation of Wisconsin
Application April 15, 1940, Serial No. 329,690
3 Claims. (Cl. 190—41)

1. In a hand luggage case: complementary hingedly connected sections having thin side walls meeting edge-to-edge when the case is closed, adjacent side walls of the two sections remote from the hinge having contiguous recesses opening to their meeting edges; the recess in one of said walls also opening to the outer face of the wall; a latch device for holding the case closed, said latch device comprising a mechanism housing and a bolt emerging from the rear of the housing and movable in a plane parallel with the rear of the housing but spaced rearwardly therefrom; means mounting the latch device on the designated side wall with the rear of the mechanism housing over the recess therein so that the bolt



is in the recess, said bolt having a thickness slightly less than that of the side walls and lying within the thickness of the walls with its end portion projecting from said recess to enter the recess in the other section; and a keeper on said other section engageable by the bolt.

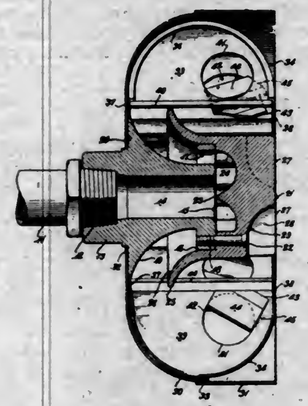
2,357,038
AUTOMATIC ELECTRODE DRESSING MEANS
John C. Whitesell, Jr., Norristown, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 13, 1941, Serial No. 397,843
12 Claims. (Cl. 219—4)



10. In welding apparatus having a supporting base and a welding electrode carried thereby, a rotatable electrode truing tool and support for said tool, means for pivotally mounting said support on said base, whereby said tool may be moved into and out of truing alignment with the electrode, and power means for driving said tool.

2,357,039
FIRE EXTINGUISHING METHOD AND APPARATUS
Hilding V. Williamson, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application January 3, 1942, Serial No. 425,568
33 Claims. (Cl. 62—121)

33. Fire extinguishing apparatus for discharging liquid carbon dioxide, comprising a chambered body open at its front, means for effecting sudden release of liquid carbon dioxide into the chamber of said body to form a mixture of snow and vapors traveling radially outwardly thereof in all directions, a circular series of radially extending flow controlling and directing means arranged in the chamber of said body to receive separate portions of the radially outwardly traveling mixture of snow and vapors and cause said portions to travel curvilinear paths of sufficient length to effect segregation of the snow and vapors, means for collecting the several segregations of snow from the series of flow controlling



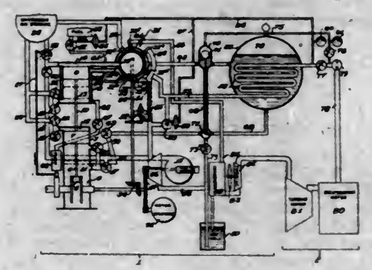
and directing means and discharging them through the open front of the body as a single dense stream, and openings formed in the sides of the flow controlling and directing means for releasing the segregated vapors into the chamber of the body radially outwardly of the region in which the snow segregations are collected so that the vapors can be discharged through the open front of the body in such a manner as to cause the snow stream to be encircled or surrounded thereby.

2,357,040
FIRE EXTINGUISHING METHOD AND APPARATUS
Hilding V. Williamson, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application March 13, 1942, Serial No. 434,556
31 Claims. (Cl. 62—1)



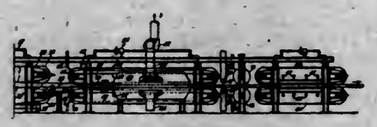
31. Fire extinguishing apparatus, comprising means for releasing liquid carbon dioxide to produce mixed snow and vapor and form it into two parallel flows each of which is of elongated shape in cross section, means for causing the snow and vapor of each flow to travel a curvilinear path of sufficient length to effect substantial segregation of the snow and vapor components, and means for effecting discharge of the snow and vapor components of both flows to the atmosphere in their segregated conditions but as a single stream of elongated cross section.

2,357,041
POWER PLANT
Raymond L. Woolley, Los Angeles, Calif.
Application January 20, 1942, Serial No. 427,473
8 Claims. (Cl. 60—49)



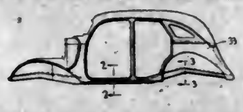
1. A power plant comprising a multiple stage compressor; a storage tank for air compressed by said compressor; a combustion device including a housing having a series of ports and means rotatable therein defining a combustion chamber, said means having a port communicating in sequence with said series of ports; a source of fuel connected with one of said ports; said compressor and storage tank connected with others of said ports whereby the fuel may be caused to burn in said chamber and generate products of combustion at high temperature and pressure; a steam generator including a tank and a coil therein connected to one of said housing ports, whereby fluid in the tank is heated by and in turn cools said products of combustion; an engine, connections combining the resulting steam and cooled products of combustion for driving said engine; and a drive means common to said compressor and the rotatable means of said combustion device, said driving means having an intake port communicating with certain ports of said combustion device and driven by a portion of the products of combustion generated in said combustion device.

2,357,042
METHOD OF MANUFACTURING FELTED MINERAL WOOL PRODUCTS
Harold T. Coss, Somerville, Louis A. Hawthorne, Hillside, and Joseph H. Zettel, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 24, 1941, Serial No. 390,128
11 Claims. (Cl. 154—28)



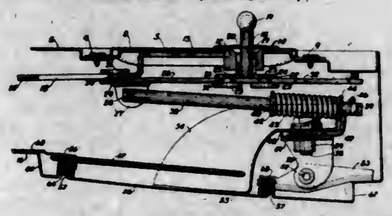
8. In the method comprising forming a felt of mineral wool fibres with a binder disseminated throughout the felt, the improvement comprising heating the felt to soften the binder, and while said binder is in its softened state simultaneously surface heating the felt and compressing it to substantially its finished thickness, maintaining the felt at such thickness and cooling the same to set the binder.

2,357,043
BODY AND CHASSIS UNDERFRAME
Joseph Ledwinka and John W. Kelly, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application April 20, 1936, Serial No. 75,375. Divided and this application April 1, 1939, Serial No. 265,456
3 Claims. (Cl. 296—28)



1. In a vehicle body, an upstanding side wall member, a floor panel, a longitudinal side sill member, a transverse sill member having one of its ends rigidly fastened to said side sill member, said side sill member being of hollow section form and having an open side facing outwardly in a direction away from the longitudinal center line of the body, said transverse sill member being likewise of hollow section form having an open side facing upwardly, said open sides of said sill members being closed respectively by a lower marginal portion of said side wall member and said floor panel, the latter having its longitudinal side margin additionally fastened to said side sill member.

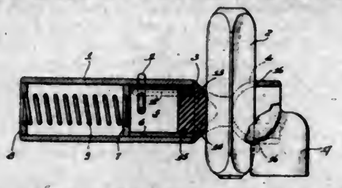
2,357,044
DOOR OPERATING MECHANISM
Edward F. Wagner, Lakeville, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application January 31, 1941, Serial No. 376,727
11 Claims. (Cl. 268—1)



4. In a door operating mechanism of the class described, a rotatable operating handle, a disc secured to the end of said handle having diametrically opposite axially projecting pins, an actuating member having connection to a pivotally mounted door and having a pair of laterally spaced substantially semi-circular slots each receiving one of said pins, said slots having adjacent ends overlapping, whereby upon rotation of said handle through one half revolution one of said pins remains in the end of one slot while the other pin moves from the corresponding end of its slot to the opposite end thereof, said member shifting laterally a distance equal to the chord between the slot ends.

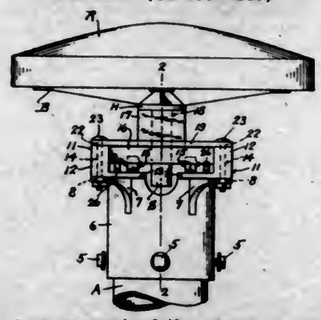
2,357,045
TOOLHOLDER
Leon C. Hauer, Pittsburgh, Pa., assignor to M. E. Cunningham Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 15, 1941, Serial No. 415,077
7 Claims. (Cl. 101—28)

3. A tool holder comprising a tubular handle-forming frame having a non-circular tool-receiving opening passing diametrically therethrough and forming a two-point contact fixed jaw for the holder, a plunger slidably fitted in said frame, spring means normally urging said



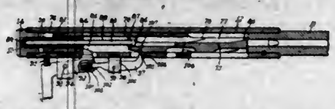
plunger to its tool-engaging position, manual means for retracting said plunger, and a yieldable composition head fitted to said plunger for engaging the tool.

2,357,046
ADJUSTABLE STOOL CARRIAGE
Robert B. Hewitt, Marysville, Calif.
Application May 18, 1943, Serial No. 487,514
1 Claim. (Cl. 155—115)



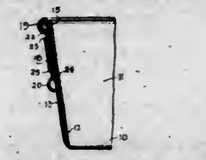
In a stool support of the character described comprising a pedestal, a sleeve receiving the upper end of the pedestal and resting thereon, said sleeve having an open slot extending through its upper surface, means securing the sleeve on the pedestal, radially extending brackets formed on the outer periphery of the sleeve at the top end and having apertures in their outer portions, opposed L-shape bearing plates resting on the aforesaid brackets in spaced relation on opposite sides of the slot in the sleeve, said bearing plates having apertures in their vertical walls registering with the apertures in the brackets, a carriage slidably disposed between the vertical walls of said bearing plates, aligned sets of antifriction rollers bearing on the horizontal walls of the bearing plates and supporting the carriage, a cover plate resting on the vertical walls of the bearing plates and having an elongated slot with closed ends formed in its central portion and marginal apertures therein registering with the aforesaid apertures, bolts passing through the aforesaid apertures and securing the bearing plates and cap-plate to the sleeve, a substantially rectangular boss having a bore therethrough formed on the carriage and extending through the slot in the cover plate, frictional locking means secured to the bearing plates outwardly of each set of rollers and yieldingly engaging recesses in the bottom ofthe carriage, a stub shaft extending through the bore of the boss with its lower end disposed in the slot in the sleeve, a bearing head formed on the upper end of the stub shaft and seated on the upper end of the boss, a bracket formed on the bearing head and a cushion secured on the bracket.

2,357,047
AUTOMATIC FIREARM
Timothy F. Horan, New Haven, Conn., assignor to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware
Application July 30, 1940, Serial No. 348,429
5 Claims. (Cl. 42—3)



1. A firearm comprising a receiver, a trigger, a breech bolt reciprocably mounted in the receiver and adapted to be moved rearwardly by the firing reaction, a spring to return said bolt to its forward position, said bolt being provided with a shoulder, a detent adapted to engage said shoulder and prevent the return of the bolt, means connecting said detent to the receiver for pivotal and longitudinal movements, an end portion of said detent being connected to the trigger for movement by the latter to position to disengage said shoulder, a striker, and a second detent to control said striker, said second detent being actuated by the trigger.

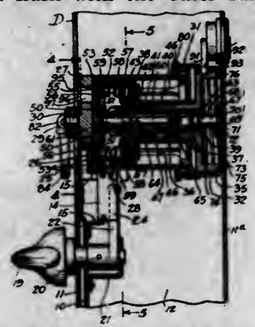
2,357,048
BAKING PAN REINFORCEMENT
Joseph G. Jackson, Chicago, Ill., assignor to Ekco Products Company, a corporation of Illinois
Application July 5, 1941, Serial No. 401,115
3 Claims. (Cl. 220—71)



1. The combination with a baking pan having an upright side wall with an outstanding bead at the upper edge of said wall, of a reinforcing strap member positioned flat against the outer surface of said pan wall and having an inwardly opening marginal channel formed along its upper edge within which the aforesaid bead is seated, and means for fastening said strap member to said wall including an inwardly and upwardly projecting tongue pierced from the channel portion of said strap member and engaged between said wall and the downwardly and outwardly extending underside surface of said bead.

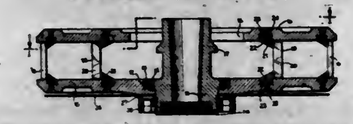
2,357,049
LOCK WITH RECESSED HANDLE FOR AIRCRAFT
Albert J. Leonard, Hollywood, Calif.
Application March 15, 1943, Serial No. 479,224
20 Claims. (Cl. 70—208)

1. A door lock of the class described comprising: means adapted to define a recess in one side of a door; a bolt urged to locking position; a cup shaped operating knob; means mounting said knob for rotation and for movement axially to a retracted position in said recess wherein the open side of the knob is flush with the surface of the door, and a projected position out of said recess; means operatively connecting said knob to the bolt to move the latter to unlocking position in response to rotary movement of the knob; means for releasably retaining the knob in retracted position; an actuator rotatably mounted co-axially of said knob; means operatively connecting said actuator to said retaining means to release the knob in response to rotation of the actuator; a knob on the actuator disposed in the first knob flush with the outer surface of the



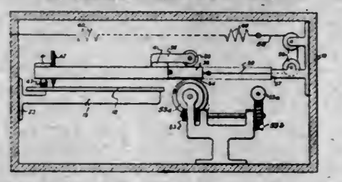
latter; a cover member mounted in said first knob; and means urging the cover member to a position spanning the open side of said first knob, yet yielding to manual pressure exerted axially upon the cover member to render said second knob accessible for manipulation.

2,357,050
ATOMIZER HEAD
Walter Isaac McCrum, Belmar, N. J., assignor to Bowen Research Corporation, Garwood, N. J., a corporation of New Jersey
Application September 23, 1942, Serial No. 459,357
8 Claims. (Cl. 299—63)



1. An atomizer head comprising top and bottom plates, means to mount one of the plates on a rotatable element, a unitary annular member having vanes formed therein, interengaging means on the plates and member to position said member in substantially co-axial relationship to said plates, and means for detachably securing said plates and said member in assembled position.

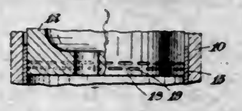
2,357,051
DRILLING SPEED RECORDER
William L. McLaine, Los Angeles, Calif.
Application June 10, 1940, Serial No. 339,624
2 Claims. (Cl. 234—36)



1. A device for recording, from a series of irregularly occurring events, a chart in which the duration of each time interval between events is traced against the ordinal numeral of said interval, comprising: a platen and means for maintaining a record strip in position on said platen; a marking implement; means for driving said marking implement across said strip at a prede-

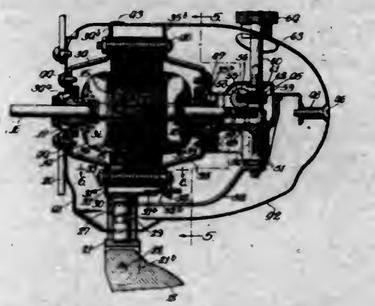
termined constant velocity; resilient means arranged to urge said implement in the direction opposite to that of the motion caused by said driving means; means for substantially simultaneously disengaging said driving means to permit the return of said marking implement to its starting point and advancing said strip longitudinally a fixed distance at the moment of each of said irregularly occurring events; and means for reengaging said driving means immediately upon a return of said marking implement to its starting point.

2,357,052
SLEEVE-VALVE INTERNAL-COMBUSTION ENGINE
Harvey Charles Mansell, Bristol, England
Application December 15, 1942, Serial No. 469,078
In Great Britain December 2, 1941
7 Claims. (Cl. 123—75)



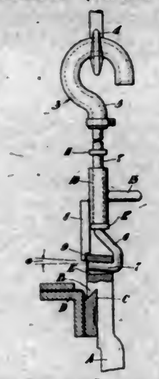
1. In a sleeve-valve internal-combustion engine, the combination of a cylinder-body, a re-entrant cylinder-head secured thereon and providing an annular space between said head and said cylinder-body, a sleeve-valve movable in said annular space with its inner surface engaging said cylinder-head, one of said engaging faces being formed with a plurality of short grooves of the order of 0.005 inch in depth and of small area compared with that of the engaging faces disposed in a linear arrangement around the circumference.

2,357,053
FAN CONSTRUCTION
George L. Moeller, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 11, 1942, Serial No. 442,447
7 Claims. (Cl. 230—264)



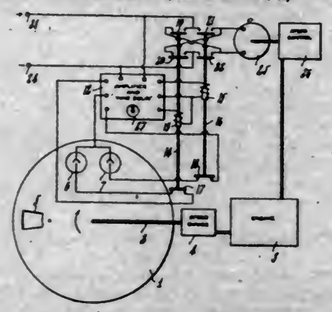
1. A fan structure comprising a motor, a housing for said motor, a base for oscillatably supporting said motor, and oscillating mechanism for said motor and housing including a gear casing carried by said motor, a crank arm and a link, said base having a lateral arm connected with said link, said crank arm, lateral arm and link being enclosed within said housing, a cover for said gear casing, means for securing said cover to said casing and to said motor, and means for securing said housing to said cover.

2,357,054
HOISTING HOOK FOR APERTURED ARTICLES
Earll R. Muddiman, Wilkinsburg, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application August 18, 1943, Serial No. 499,152
3 Claims. (Cl. 294—83)



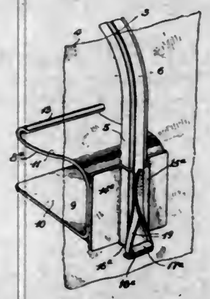
1. A hoisting hook for articles having a tapered aperture therein, including an elongate shank having means at its upper end for suspending said hook, said shank having a hook at its lower end including a free terminal inclined from the horizontal at an angle substantially corresponding to the angle of taper of the said aperture, and a latch movable with respect to the terminal portion to selectively permit engagement and prevent disengagement of the terminal portion and the aperture of said article.

2,357,055
SPEED CONTROL AND SYNCHRONIZING DEVICE
William E. Mydans, Cambridge, Mass.
Application August 18, 1941, Serial No. 407,341
2 Claims. (Cl. 175—355)



1. In a stroboscopic speed synchronizing apparatus, speed determining means comprising a pulsating light source having means for causing said light pulsations to occur at a predetermined substantially uniform recurrent reference speed determining frequencies, a pair of light responsive speed control devices arranged to receive light from the light source, and located in adjacent relation, a rotating member to be synchronized, a rotary shutter member driven by said rotating member in a fixed speed ratio thereto, positioned to intercept the passage of light between said light source and both of said light responsive speed control devices, said shutter having a light passing opening therein movable with the shutter member to progressively expose the light source to each of said light responsive speed control devices during a portion of each rotation of the shutter member, speed accelerating and decelerating means for controlling the speed of said member to be synchronized and an operating connection between said speed accelerating and decelerating means and each of said light responsive speed control devices for causing acceleration of said member to be synchronized upon light activation of one of the light responsive devices, and deceleration of said member to be synchronized upon light activation of the other light responsive speed control device whereby the rotation of said shutter member, with relation to said pulsating light source causes a stroboscopic light beam to progressively move in either direction toward one or the other of the light responsive devices to activate the same, depending upon the relative rotative velocity of the shutter and the pulsation frequency of the light from the light source.

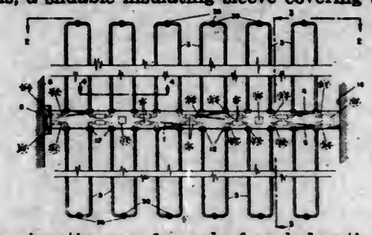
2,357,056
ATTACHING BRACKET FOR CANOPY SUPPORTS AND CANOPIES
Virginia P. Nelson, New York, N. Y.
Application April 16, 1943, Serial No. 483,311
6 Claims. (Cl. 135—7.1)



1. A socket and loop for canopies having bows and comprising a vertical portion having a pair of clip arms extending in vertically spaced relation from said vertical portion in one direction, angled socket portions extending vertically of said vertical portion and having their proximal edges spaced, said socket portions being adapted to receive the bottom end of a bow, stop means extending inwardly of the angled portion to limit downward movement of the bow, inwardly opening hook means extending outwardly from the lower ends of the angled portions, and a loop securable to a canopy web and engageable in said hook means.

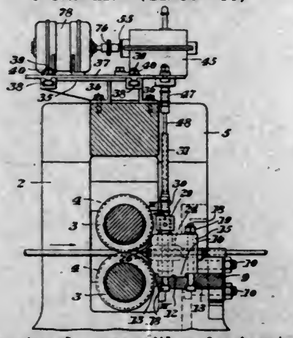
2,357,057
LIGHTING FIXTURE
Harold Ray Owen, Los Angeles, Calif., assignor to Electrical Products Corporation, Los Angeles, Calif., a corporation of California
Application June 15, 1943, Serial No. 490,925
4 Claims. (Cl. 240—1)

1. The combination with an interior ceiling of a lighting fixture comprising: an elongated open-top trough suspended along and a short distance below the ceiling, said trough having a series of notches along the upper edges of each side thereof, a series of elongated U-form gaseous conduction lighting tubes positioned along each side of said trough in grid formation covering the adjacent ceiling areas with the ends of the tubes resting in said novches and the terminals thereof within the trough, the two terminals of each of said tubes being turned from each other so that adjacent terminals of adjacent tubes are turned toward each other and make contact with each other at their ends through suitable contact means, a slidable insulating sleeve covering each



of the junctions so formed of such length that it may be slid back over one of the terminals of the junction pair to fully expose the other terminal to permit of ready removal of individual tubes, additional ceiling suspension means supporting the outer ends of said tubes, a transformer at one end of the trough with its terminals connected to the end terminals of the tube series so formed, and a cross connection between the end terminals of the tube series at the opposite end of the trough.

2,357,058
APPARATUS FOR ROLLING BOUNDS
Charles S. Ramsay, Gary, Ind.
Application March 24, 1942, Serial No. 436,053
5 Claims. (Cl. 80—36)

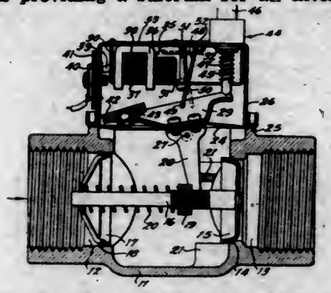


1. Apparatus for use with a horizontal rolling mill having a housing and a pair of horizontally disposed rolls, comprising a movable horizontal rest bar having a pair of vertically disposed rolls arranged thereon, said vertical rolls being arranged within said housing in close proximity to the pass between said horizontal rolls, means for adjusting said rolls to any position along said rest bar, means for adjustably attaching said rest bar to said housing, means for driving said vertical rolls, and flexible means interconnecting said driving means with each of said vertical rolls.

2,357,059
INDICATOR FOR MANUAL RESET VALVES
William A. Ray, Los Angeles, Calif.
Application March 31, 1942, Serial No. 436,937
3 Claims. (Cl. 116—125)

1. In combination: a pivoted actuating arm; means for rocking said arm between limiting posi-

tions; and means for indicating the position of said arm, comprising a member pivotally connected at one end to said arm and having at its other end an indicating device, and stationary means providing a fulcrum for an intermediate



portion of said member and on which the member can slide, said fulcrum and the pivot points of said member and of said arm being substantially in alignment when the arm is between its limiting positions.

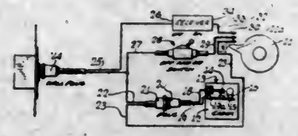
2,357,060
RATE OF ASCENT AND DESCENT INDICATOR FOR AIRCRAFT
John Robinson, Altadena, Calif.
Application August 21, 1942, Serial No. 455,645
10 Claims. (Cl. 73—179)



1. A rate of ascent and descent indicator for aircraft comprising: a body having a pair of passages therein, elements movably disposed in said passages which are responsive to changes in atmospheric pressure, opposite extremities of said passages being open to the atmosphere in which the craft is situate, an air container sealed against the prevailing atmosphere and connected with the other extremities of said passages and open to the atmosphere only through said passages, selectively, depending upon the ascent or descent of the craft, the movement of said elements under variable atmospheric pressures serving to indicate the vertical speed of the craft.

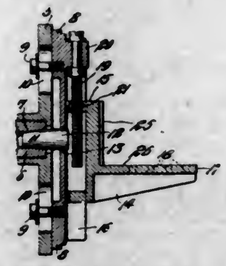
2,357,061
CLOCK CONTROL FOR RADIOS
Joseph T. Stattner, New York, N. Y.
Application April 1, 1942, Serial No. 437,190
2 Claims. (Cl. 161—1)

1. In combination with a radio receiving circuit, a wall plug, a wire connecting one terminal of the wall plug to one side of said circuit, a switch element, means to connect said element to the other side of said circuit, a second switch element, a second wire connecting the other terminal of said wall plug with said second switch element, a manual on and off switch interposed in said second wire, a clock controlled switch, a second plug, wires connecting the terminals of the clock control switch with the terminals of said second plug, an electric socket adapted to receive the blades of said second plug, a wire connecting one terminal of said socket to said sec-



ond wire on one side of the on and off switch, a third switch element, a wire connecting the other terminal of said socket with said third switch element, said first and second switch elements being normally open, but adapted to be interengaged, said third element being normally spaced from one of said first two elements but being movable into contact therewith, a handle, and means on the handle to cause said first and second elements to interengage and said third element to contact one of said first two elements.

2,357,062
ANGLE PLATE FOR LATHES
Henry C. Stoll, Jackson Heights, N. Y.
Application October 20, 1943, Serial No. 507,217
1 Claim. (Cl. 82—40)



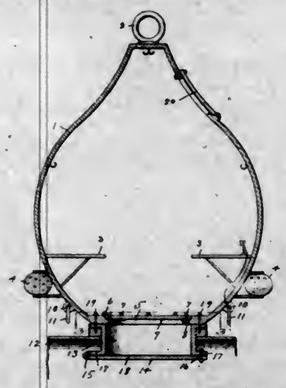
An angle plate for a lathe having the usual hollow spindle and face plate mounted thereon, comprising a nose plug having a tapered stem engageable in the end of such a hollow lathe spindle and a short projecting substantially cylindrical portion, a base applicable over the face of such a face plate and having a central opening engageable over the projecting portion of the nose plug, means for detachably securing said base in such centered position on a face plate, said base having a radially extending undercut guideway in the exposed face of the same, an angle block having a base portion slidable in said guideway and an angularly projecting work supporting portion, a feed screw on the base for shifting said angle block in said guideway, releasable means for securing said angle block in various positions of radial adjustment on said base, said base portion of the angle block being hollowed at the back, over the end of said nose plug to provide a clear space for the feed screw and the feed screw being rotatably mounted on the base in line with and extending into the clear space so provided.

2,357,063
ICE GUARD
Raymond F. Swing, Seattle, Wash.
Application May 6, 1942, Serial No. 441,969
1 Claim. (Cl. 210—163)



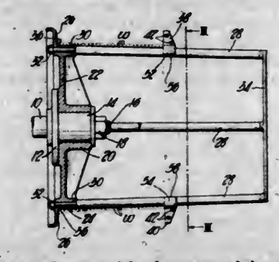
An ice-guard for use in a drinking glass for holding ice out of contact with the lips of a drinker and comprising a screening member functional to the ice for trapping the ice while passing the liquid therethrough; an inverted-U resilient clip supporting the screening member and arranged to hook over the rim of the glass for holding the screening member in operative position within the glass; and a stabilizing disk carried by the outer leg of said U-clip at the free end of the latter and by the spring characteristic of the clip bearing against the outside surface of the glass, the inner face of said disk being given a curvilinear configuration, considered in a horizontal direction, conforming to the curve of the glass.

2,357,064
SUBMARINE ESCAPE AND COMMUNICATION DEVICE
Rudolf Wolf, Fajardo, P. R.
Application July 11, 1942, Serial No. 450,607
1 Claim. (Cl. 114—16.7)



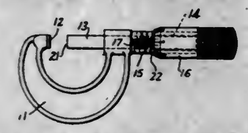
In combination with a submarine having an escape hatch frame formed on its external wall and having bolt holes therein, of an escape chamber unit, comprising a pear shaped hollow structure converging and tapering about its vertical axis gradually from the bottom portion thereof to an upper end flattened and restricted end portion, with the bottom formed with a horizontal closeable opening therein flanged for bolting on and around the said escape hatch to provide access to and from the interiors of the unit and submarine, bolts for removably attaching the flanged portion to the hatch operable from the interior of the unit, a door for closing the said opening hinged to bottom of the said structure and having holes therein for bolts to pass through same accessibly over the hatch frame, bolts for said last mentioned holes for securing the door tightly to the bottom of the structure and preventing leakage therethrough, a door in the side wall of the chamber near the upper end thereof for facilitating the removal of passengers from the interior thereof when floating at sea or water level when detached from the submarine, spaced channel plates formed peripherally and externally about the structure disposed below but adjacent to the widest portion of the structure, a resilient buoyant member held to the structure by the said plates and extending out therefrom for facilitating the floating of the unit and dampening tendencies to rock, and means inside the structure for supporting passengers therein near the bottom thereof and close the door therein, and a rigid ring in the flat upper end of the structure.

2,357,065
TAKE-UP BLOCK
Frank S. Zaica, Bethany, Conn.
Application March 27, 1944, Serial No. 528,326
4 Claims. (Cl. 242—78)



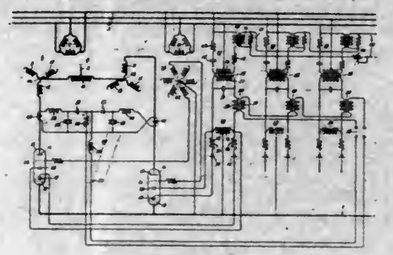
1. A wire take-up block comprising a rotary member carrying a plurality of longitudinally extending rods at least one of which slidably supports a keeper, said keeper having a recessed portion housing a resilient member and a rod-engaging friction member coacting therewith adapted to impositively hold the keeper in various positions on said rod.

2,357,066
MICROMETER CALIPER
Frederick V. Adams, Branford, Conn.
Application October 26, 1943, Serial No. 507,749
4 Claims. (Cl. 33—166)



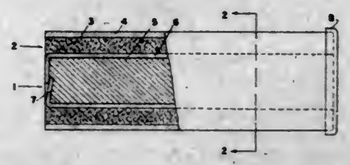
1. In a micrometer-caliper, an anvil, a spindle having an end cooperating with said anvil to receive an article therebetween to be measured, a frame for supporting said anvil and said spindle, a barrel on said frame, a sleeve secured to said spindle and encircling said barrel, said sleeve having an end edge, means to move the spindle toward the anvil and said sleeve along the barrel, a base line provided on said barrel and a series of oblique lines extending from equally spaced apart points along said base line and away from the end edge of said sleeve whereby a measurement may be read by comparison between the said end edge and the said points.

2,357,067
ELECTRIC VALVE TRANSLATING SYSTEM
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 29, 1941, Serial No. 408,779
9 Claims. (Cl. 175—363)



1. In combination, an alternating current supply circuit, a load circuit, electric translating apparatus connected between said circuits and comprising a plurality of groups of electrically displaced phase windings and a plurality of electric discharge paths each associated with a different one of said phase windings and each including an anode and a control member, a plurality of excitation circuits connected to said control members for transmitting thereto periodic voltages of peaked wave form, and means for controlling the division of load between the groups of phase windings and comprising a pair of differentially connected current responsive means one of which is responsive to the current conducted by one phase winding of one group and the other of which is responsive to the current conducted by one phase winding of another group, an impedance element, means comprising a pair of unidirectional conducting devices responsive to the current of said current responsive means and connected to transmit current in opposite directions through said impedance element and means for controlling said excitation circuits in response to the voltage across said impedance element.

2,357,068
BLASTING CARTRIDGE
Jacob Barab, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application April 18, 1941, Serial No. 389,125
10 Claims. (Cl. 102—24)

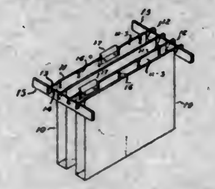


1. An improved blasting assembly including an explosive cartridge surrounded by a preformed, annular, tubular sheath comprising from about 10% to about 30% of a carbonaceous material selected from the group consisting of balsa, bagasse and cork and from about 40% to about 90% of a flame-quenching salt, said sheath characterized by a semi-rigid, cellular, favose structure which is adapted to provide a cushioning action for the initial explosive shock.

2,357,069
IRON FORTIFICATION OF FLOUR
Rufus A. Barackman, Chicago Heights, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application April 7, 1941, Serial No. 387,363
12 Claims. (Cl. 99—93)

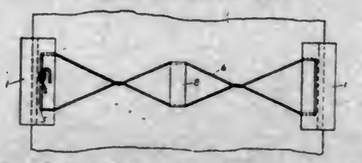
1. A stable food product including a fat capable of becoming [illegible]cid, and a small significant proportion of a complex-bound iron-alkali metal salt of a molecularly dehydrated phosphoric acid having a pH of at least approximately 7.0.

2,357,070
FILE FOLDER AND INDEX TAB CONSTRUCTION
Charles J. Bates, Englewood, N. J., assignor to Diebold, Incorporated, a corporation of Ohio
Application July 3, 1943, Serial No. 493,334
5 Claims. (Cl. 129—16.7)



1. In file folder and index tab construction, folder walls forming a longitudinally extending sleeve, one of the sleeve walls having formed therein longitudinally spaced transverse slots, an index tab including a sleeve located between the folder sleeve slots, and a bar extending through the folder sleeve at opposite sides of the slots and through the slots and the index tab sleeve therebetween.

2,357,071
ADJUSTABLE PICTURE HANGER
Harry E. Bawden, Bettendorf, Iowa, assignor to Bawden Brothers, Inc., Davenport, Iowa, a corporation of Iowa
Application December 28, 1943, Serial No. 516,125
2 Claims. (Cl. 248—29)



1. Suspending means for pictures and the like, comprising a pane of glass of suitable size having a picture lying flat against one face thereof, a pair of grooved blocks engaging opposite edges of said glass, said edges being engaged in the grooves of the blocks, each of said blocks having a pair of spaced holes extending transversely therethrough and shallow grooves extending from said holes to the adjacent edges of the blocks, flexible means extending through said four holes serially to connect said blocks by a pair of strands lying adjacent the back of the picture or the like, and a block provided in its two ends with grooves for the reception of said strands of the flexible connecting means, said last mentioned block being rotatable transversely of the flexible connecting means to cause twisting thereof between the last mentioned block and the pair of grooved blocks whereby a tension is placed upon said flexible means, to thereby hold the pair of blocks engaged with the edges of the glass, the back of the suspended means normally preventing the flexible means from untwisting.

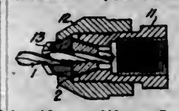
2,357,072
ELECTRICAL INSULATING COMPOSITIONS
Bjorn O. Beck, Newark, Ohio, Hubert L. Beck, Western Springs, Ill., and Cecil H. Gunthorp, Indianapolis, Ind.
No Drawing. Application July 31, 1940, Serial No. 348,822
1 Claim. (Cl. 201—64)

The method of making an electrical resistance element heating unit which comprises those steps of mixing an ammonium phosphate salt in water; mixing an amount of the water-phosphate salt mixture with fused magnesium oxide to a consistency permitting the mass to be poured; pouring the mass into a metallic resistance wire holder to flow the mass around the resistance wire; and drying the mass so formed.

2,357,073
ADHESIVE COMPOSITION
Wyly M. Billing, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 27, 1940, Serial No. 367,382
15 Claims. (Cl. 106—144)

1. An adhesive composition comprising a film-forming material capable of being solubilized in aqueous media and a glycol ester of a rosin acid, said ester having a melting point between about 25° C. and about 80° C.

2,357,074
CUTTING TOOL
John Cockbain Briggs, Harrogate, England
Application November 4, 1942, Serial No. 464,499
In Great Britain November 1, 1940
4 Claims. (Cl. 77—66)



1. For combination with a fluted cutting tool, a holder comprising a compressible collet hollow throughout and internally conforming to the flutes and external surface of the tool so that it will thread upon the tool in close-matched engagement, the holder being provided with a recess to accommodate varying lengths of tool within it so that a tool may be threaded through the collet to any desired extent to leave such operative length projecting from the holder as is required, and means for compressing the collet to clamp the tool in the desired position and securing the collet in the holder, so that the collet will take the drive and longitudinal thrust on the tool.

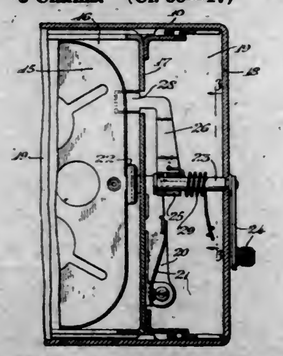
2,357,075
PUMP
Thomas E. Brinton, Cedar Falls, Iowa
Application October 9, 1941, Serial No. 414,295
3 Claims. (Cl. 103—195)

1. In a pump of the character described, a tubular housing with an apertured top closure, a reciprocatory pump rod traversing said closure and housing, an imperforate piston fixed on the upper inner part of the rod, an upwardly cupped rigid member positioned below and in spaced relation to the lower end of the housing, and having a central opening traversed by said rod, a depending pipe seated in said opening, a rigid plate mounted upon said cupped member, an elastic member and the rigid plate being clamped peripherally together between the adjacent faces of the housing and the cupped member, an internal housing member, tubular and having a plurality of side wall apertures therein, and rigidly removably mounted between the bottom part of the cupped member and said rigid plate, a flanged tubular valve member slidably mounted on the



pump rod within the housing member, an elastic ring mounted on the valve member contacting its flange, said valve member being removably engaged with said internal housing member, elastic means mounted on the valve member and having an upturned inner rim to slidably yieldably engage the pump rod, and a delivery spout device in communication with the internal housing member, with a turnable device therefor.

2,357,076
MAGAZINE EJECTOR MECHANISM FOR CAMERAS
Theodore S. Briskin, Chicago, Ill., and Philmore F. Sperry, deceased, late of Chicago, Ill., by Helen B. Sperry, executrix, Chicago, Ill., assignors to Revere Camera Company, Chicago, Ill., a corporation of Delaware
Original application November 10, 1941, Serial No. 418,526. Divided and this application November 25, 1942, Serial No. 466,864
3 Claims. (Cl. 88—17)



1. In a magazine type motion picture camera, the combination of a casing, lens means operatively mounted in said casing, a magazine carrier movable in said casing toward and from said lens means, a shaft rotatably mounted in said casing opposite to the rear face of said carrier, an arm mounted on said shaft so as to be adapted to swing transversely across the path of the carrier,

yielding means normally holding said arm swung to one side out of the path of said magazine, and means for giving said shaft and arm a rocking movement adapted when the carrier and magazine are in their backwardly retracted position to press the magazine transversely out of the grip of the carrier.

2,357,077

ORGANIC PARASITICIDAL COMPOSITIONS

Kenneth R. Brown, Kennett Square, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 25, 1941, Serial No. 408,217
18 Claims. (Cl. 167—22)

1. A process for controlling insects which comprises applying to the insects an insecticide containing as an active ingredient a partial capric acid ester of a low molecular weight neutral aliphatic polyhydroxylic organic compound.

2,357,078

PARASITE CONTROL

Kenneth R. Brown, Kennett Square, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 25, 1941, Serial No. 408,218
13 Claims. (Cl. 167—22)

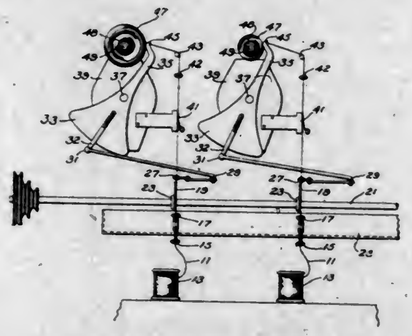
1. A process for controlling insects which comprises applying to the insects an insecticide containing as an active ingredient a water-dispersible composition comprising a partial lauric acid ester of a low molecular weight aliphatic polyhydroxylic compound selected from the class consisting of polyhydric alcohols, di- and poly-condensation products of polyhydric alcohols, and carbohydrates.

2,357,079

WINDING APPARATUS

Odell T. Brown, Old Hickory, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application August 1, 1940, Serial No. 349,074
10 Claims. (Cl. 91—51)



1. In a yarn winding apparatus of the type in which the linear speed of the yarn increases as the yarn package increases in circumference, an oiling disc, means for passing the yarn in contact with the flat, end face of said oiling disc, and means for gradually increasing the surface of contact of the yarn on said disc.

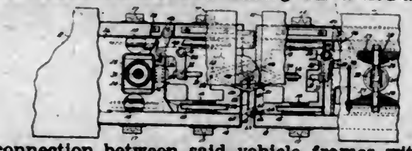
2,357,080

RESTRAINT DEVICE

Basil S. Cain, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application July 22, 1942, Serial No. 451,868
10 Claims. (Cl. 105—3)

1. A restraint device for vehicles having a pair of vehicle frames and having an articulating



connection between said vehicle frames with a truck for each of said vehicle frames, each of said trucks having a truck frame, a truck nosing restraining means including an equalizing frame for limiting relative movements between said truck frames and said vehicle frames, means for pivotally connecting said equalizing frame to one of said vehicle frames substantially along the longitudinal center line thereof, means for providing a sliding and universal connection between said equalizing frame and the other of said vehicle frames substantially along the longitudinal center line of said other vehicle frame, resilient means including a link pivotally connected to said equalizing frame for connecting said equalizing frame to one of said truck frames, and means for movably connecting together said truck frames.

2,357,081

RESTRAINT AND EQUALIZING DEVICE

Basil S. Cain, Erie, Pa., assignor to General Electric Company, a corporation of New York

Original application July 22, 1942, Serial No. 451,868. Divided and this application April 14, 1943, Serial No. 483,038
4 Claims. (Cl. 105—176)

1. A restraint device for vehicles having a pair of vehicle frames and having an articulating connection between said vehicle frames with a truck for each of said vehicle frames, each of said trucks having a truck frame, a laterally movable center plate for supporting each of said vehicle frames, a guiding linkage including a tie bar extending between adjacent ends of said trucks, means for connecting said tie bar adjacent each end thereof to the adjacent vehicle frame and truck frame adjacent one side thereof, said connecting means including a bell crank having a pair of arms, means for pivotally connecting one of said crank arms to the adjacent end of said tie bar, means for pivotally connecting said bell crank to the adjacent vehicle frame, and means including a link pivotally connected to one side of said truck frame and pivotally connected to the other of said bell crank arms for transmitting forces between said bell crank and said truck frame.

2,357,082

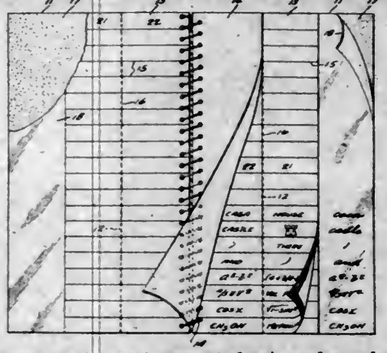
MEMORIZER

Guy Carolin, New York, N. Y.

Application April 9, 1942, Serial No. 438,242
6 Claims. (Cl. 35—22)

1. A practice and testing book which comprises a binding, a sheet having lines defining rows of

spaces extending across columns, said columns being adapted for inscription of problems and answers respectively, a mask sheet bound with said first-named sheet and hingedly positioned to cover and to be turned away from one of the



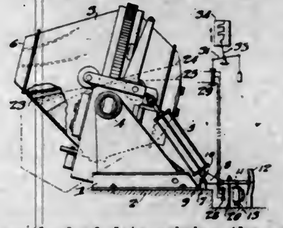
columns of the first-named sheet, and an abstersible recording sheet positioned beneath said first-named sheet and projecting laterally beyond the rows thereof temporarily to receive written answers and to be cleared of writing repeatedly.

2,357,083

METHOD OF DETERMINING THE CONSISTENCY OF CONCRETE MIXTURES

William H. Clagett, Jr., Mason City, Wash., assignor to Koehring Company, Milwaukee, Wis., a corporation of Wisconsin

Original application November 9, 1938, Serial No. 239,712. Divided and this application November 19, 1941, Serial No. 419,784
2 Claims. (Cl. 265—11)



1. The method of determining the consistency of a concrete mixture which includes the steps of continouusly agitating combined different fluent aggregate materials of different specific gravities to cause shifting of the center of mass of the materials to create a moving force, and while so agitating said materials measuring the extent of the shifting of the center of mass of the materials by said moving force to indicate the variation in the uniformity of the mixture of said materials.

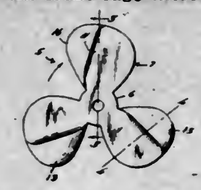
2,357,084

PADDLE WHEEL STRUCTURE

Lawrence Cleofe, New York, N. Y.

Application October 24, 1940, Serial No. 362,674
1 Claim. (Cl. 171—141)

A paddle wheel of substantially clover-leaf formation and having co-planer radially extending blades provided with flat surfaces for the greater portion of their areas and at one side edge to form the leading edge of the blades, and a bulbous portion on one surface of each of the blades at their outer ends, and extending substantially throughout the other side edge of the blade to form a longitudinally off-balanced trailing edge, the rear edge of the bulbous portion being rounded and the front edge thereof being longi-



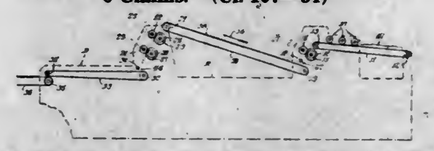
tudinally curved in an arc eccentric to the axis of the wheel and also curved transversely to gradually merge with the flat surface of the blade and constituting the working face of the blade.

2,357,085

METHOD AND MEANS FOR SHEETING AND ELONGATING DOUGH

Morris Cohen, Kansas City, Mo., and Duard W. Enoch, George Hasty, and Gerald A. Jorgenson, Chicago, Ill., assignors to Interstate Bakeries Corporation, Kansas City, Mo., a corporation of Delaware

Application May 4, 1942, Serial No. 441,580
6 Claims. (Cl. 107—54)



5. The method of the character described which comprises the steps of partially sheeting and elongating a lump of dough to form a continuous relatively narrow flat dough strip on a line extending and with the dough strip moving downwardly and somewhat forwardly, moving the dough strip forwardly while changing the direction of movement thereof on an angle approximating a right angle and with the dough strip extending upwardly and forwardly, the dough strip being caused to move upwardly and forwardly at a substantially faster rate than its said downward movement, whereby a continuous dough strip of relatively uniform width and thickness is produced for baking purposes.

2,357,086

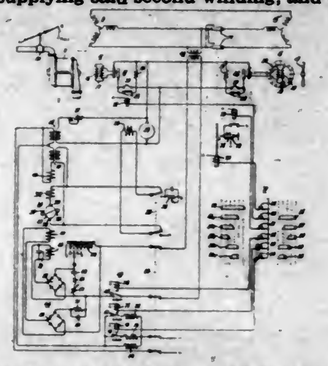
ELECTRIC SHIP PROPULSION SYSTEM

Frederick E. Crever, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application February 26, 1943, Serial No. 477,258
9 Claims. (Cl. 172—8)

9. A variable speed motor control system comprising a variable speed alternating current generator and an alternating current motor connected thereto, a field winding for said generator, means including a cross-armature-reaction-excited direct current exciter for energizing said field winding, a series field winding on said exciter for substantially neutralizing the normal armature reaction of said exciter, first and second control field windings on said exciter, means dependent upon the voltage of said generator for differentially energizing said first and second control windings to maintain a predetermined voltage frequency characteristic of said system, said means including a first rectifier and an input circuit for said rectifier having a linear impe-

dance current characteristic for supplying said first control winding and a second rectifier having a non-linear impedance current characteristic for supplying said second winding, and means



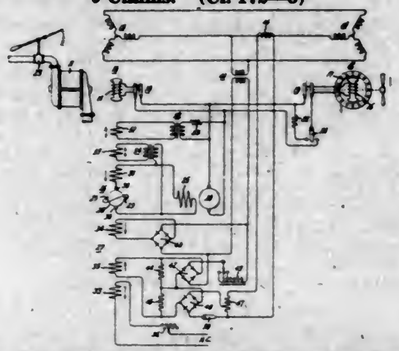
including a condenser and a resistance in parallel and connected in series in said first rectifier input circuit for lowering the voltage-frequency characteristic of said system in the lower portion of the frequency range of said system.

2,357,087

ELECTRIC SHIP PROPULSION SYSTEM

Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 26, 1943, Serial No. 477,259
9 Claims. (Cl. 172—8)



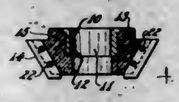
9. An electric ship propulsion system comprising a variable speed synchronous generator and a synchronous propeller driving motor, field windings for said motor and said generator, means including a main exciter and a pilot exciter for energizing said windings, said pilot exciter being a cross-armature-reaction-excited direct current machine, a series field on said pilot exciter for neutralizing the normal armature reaction of said pilot exciter, means including control field windings on said pilot exciter and dependent upon the angle of displacement between said generator and said motor for operating said exciter to produce forced stability under all operating loads, and means including a control field winding on said pilot exciter connected in series with said main exciter for increasing the effect of said neutralizing series field and for producing a damping force dependent upon variations in the current in said motor and generator field windings whereby said system may be operated with substantially no normal torque margin.

2,357,088

CUTTING TOOL

Frank W. Curtis, Springfield, Mass., assignor to Van Norman Company, a corporation of Massachusetts

Application September 28, 1942, Serial No. 459,916
4 Claims. (Cl. 29—103)



4. A milling cutter comprising a sleeve, having its interior formed to receive an arbor, a series of blades located around the sleeve but spaced therefrom, a body of organic plastic connecting the sleeve and the blades, said blades being formed to interfit with the plastic and prevent relative movement therebetween, said organic plastic having the properties of a flexural strength above 10,000 pounds per square inch, a tensile strength above 7,000 pounds per square inch, and an impact strength in excess of 1 pound per notch inch.

2,357,089

PRODUCTION OF IMPROVED PIGMENTS

William Hammett Daiger, Linthicum Heights, and George Reel Seidel, Baltimore, Md., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 10, 1941, Serial No. 392,942
7 Claims. (Cl. 106—300)

1. A process for the production of an improved pigment which comprises mixing an acidic solution of a compound of a fourth group metal with an alkali metal silicate solution in the presence of an aqueous suspension of a pigment and utilizing such amount and composition of solution reagents in the mixing operation that the resulting pigment suspension possesses an acidic reaction.

2,357,090

PROCESS OF PREPARING A LIGNIN-PHENOL-FORMALDEHYDE RESIN DISPERSION

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application April 17, 1941, Serial No. 389,042
2 Claims. (Cl. 260—17.5)

1. The process of preparing a dispersion of a potentially reactive resinous composition which comprises forming a solution consisting of lignin dissolved in a phenol, reacting said solution with from 0.5 to 0.95 mol formaldehyde per mol phenol in the presence of an acid catalyst and at reflux temperatures for a period of time sufficient to react a major portion of the formaldehyde, adding sufficient alkali to convert the reaction mixture to an alkaline condition, reacting the alkaline reaction mixture at reflux temperatures with additional formaldehyde in an amount such that the total formaldehyde content of the reaction mixture is in excess of one mol formaldehyde per mol phenol, continuing said alkaline reaction until all but about 1.5 to 4.0 per cent of the formaldehyde has reacted, introducing a dispersing agent into the hot alkaline resinous reaction product, at least partially neutralizing the excess alkali content of said alkaline mixture to a pH of about 7.0 to 8.0, and introducing additional dispersing agent and sufficient ammonia to react with the free aldehyde contained in said neutralized mixture to form a dispersion of the resinous product, the said lignin comprising a substantial proportion, not exceeding 35 per cent by weight, of the resinous reaction product.

2,357,091

DISPERSION OF PINE-WOOD PITCH-PHENOL-FORMALDEHYDE RESINOUS REACTION PRODUCTS

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application April 17, 1941, Serial No. 389,043
4 Claims. (Cl. 260—25)

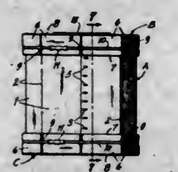
1. The process of preparing a potentially reactive resinous composition which comprises forming a solution consisting of extracted pine wood pitch dissolved in a phenol, reacting said solution with from 0.5 to 0.95 mol formaldehyde per mol phenol in the presence of an acid catalyst and at reflux temperatures for a period of time sufficient to react a major portion of the formaldehyde, adding sufficient alkali to convert the reaction mixture to an alkaline condition, reacting the alkaline reaction mixture at reflux temperatures with additional formaldehyde in an amount such that the total mol formaldehyde content of the reaction mixture is in excess of one mol formaldehyde per mol phenol, continuing said alkaline reaction until all but about 1.5 to 4.0 per cent of the formaldehyde has reacted, introducing a dispersing agent into the hot alkaline resinous reaction product, at least partially neutralizing the excess alkali content of said alkaline mixture to a pH of about 7.0 to 8.0, and introducing additional dispersing agent and sufficient ammonia to react with the free aldehyde contained in said neutralized mixture to form a dispersion of the resinous product, the said pine wood pitch comprising a substantial proportion of the resinous reaction product.

2,357,092

CONTAINER

Stanley De Mian and Cecil E. Taylor, New York, N. Y., assignors to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland

Application July 13, 1942, Serial No. 450,652
1 Claim. (Cl. 229—5.5)



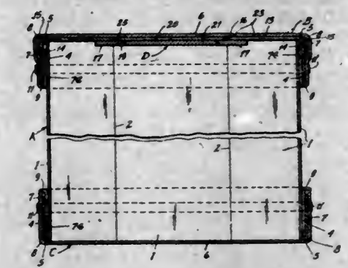
In a heavy duty shipping carton having a tubular body and a closure for one end thereof, said body and end closure being made of fiberboard or like material, said end of said body having a series of flaps that are folded alongside the outer face of said body and said end closure having a series of marginal flaps that are folded over said body flaps and are thence rebent so as to lie therebeneath, the combination of a stiff metal interior end closure extending between said end of said fiberboard body and said fiberboard end closure next to the inner face of the latter and having a series of preformed marginal flanges disposed between the series of cooperating flaps of said fiberboard body and end closure, said fiberboard and metal end closures having an opening extending therethrough, and said metal end closure having an inwardly extending flange surrounding said opening, and a metal plug having a friction fit in said opening and an outstanding outer end flange seating against the outer face of said fiberboard end closure around said opening.

2,357,093

CONTAINER

Stanley De Mian, Teaneck, N. J., and Cecil E. Taylor, Harrison, N. Y., assignors to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland

Application August 10, 1942, Serial No. 454,274
1 Claim. (Cl. 229—5.5)



A shipping carton comprising a body and a closure construction therefor, said closure construction comprising separate load sustaining inside and outside closure members, each having a rigid marginal connection with said body, said inside closure member having an opening therethrough, an annular member fixed to the inner face of said inside closure member around the opening therethrough and forming a reinforcement therefor and an inwardly projecting ledge at the lower end of said opening, and a separate detachable plug cap having a head portion fitting in the opening in said inside closure member substantially flush with the outer face thereof and seating on said ledge and a plug portion fitting the opening in said annular member, said inside closure member and plug cap being entirely covered by said outside closure member, whereby access may be had to said carton through the opening in said inside closure member by cutting away the portion of said outside closure member that covers said plug cap and removing said plug cap from said opening through the cut-away portion of said outside closure member.

2,357,094

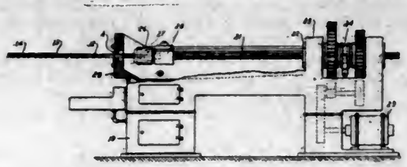
BROACHING METHOD

John Edgar, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Original application November 29, 1935, Serial No. 52,061. Divided and this application April 22, 1939, Serial No. 269,346
8 Claims. (Cl. 90—33)

1. The method of broaching tubular work pieces with internal keyways tapered in width and having helicoidal sides with leads in opposite directions, comprising first simultaneously broaching a plurality of straight parallel keyways corresponding in number and peripheral spacing to said first mentioned keyways, then simultaneously cutting one series of sides of said last men-

tioned keyways with helicoidal surfaces having a constant lead in one direction, and then simul-



taneously cutting the opposed sides of said last mentioned keyways with helicoidal surfaces having a constant lead in the opposite direction.

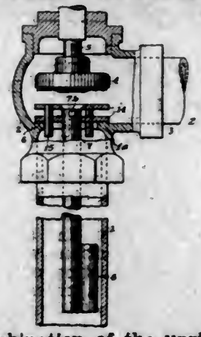
2,357,095
PROCESS FOR THE MANUFACTURE OF ANHYDROUS HYDROGEN HALIDE
Theodore W. Evans, Oakland, and Harry de V. Finch, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 4, 1941, Serial No. 413,690
3 Claims. (Cl. 23—154)

3. A process for the production of a substantially anhydrous hydrogen halide which comprises introducing an aqueous 10% to 40% solution of a hydrogen halide into the intermediate portion of a fractionation zone wherein it is contacted with an aqueous hygroscopic salt solution having a vapor pressure not greater than 8 mm. of mercury at 20° C., said salt solution being introduced into the upper portion of the fractionation zone, applying a cooling medium to the upper portion of the fractionation zone to maintain it at a temperature of from 20° C. to 35° C., applying heat to the lower portion of the fractionation zone to maintain the temperature therein at from 110° C. to 120° C. and thereby expel the dissolved hydrogen halide from the aqueous salt solution, withdrawing the diluted aqueous salt solution substantially free of dissolved hydrogen halide from the bottom of the fractionation zone, and withdrawing the substantially anhydrous hydrogen halide from the top of the fractionation zone.

2,357,096
TRANSPARENT IRON OXIDE PIGMENTS
Peter Fireman, Lambertville, N. J., assignor, by mesne assignments, to Columbian Carbon Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 30, 1942, Serial No. 445,209
2 Claims. (Cl. 23—200)

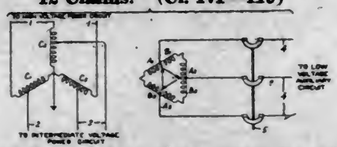
1. The method of preparing a transparent brown pigment which comprises, adding to a solution of a ferrous compound a base in proportions such that a few percent only of the iron remains in solution, simultaneously heating the solution to raise the temperature to approximately 110° Fahrenheit and introducing air to agitate the material, discontinuing the application of heat while continuing the introduction of air during a period of from two to three hours, again applying heat when the ratio of ferrous to ferric iron is about 1:3, causing the temperature to gradually rise to about 212° Fahreinheit, holding such temperature until the ratio of ferrous to ferric iron is of the order of 1:15, discontinuing the heating and separating the pigment from the solution.

2,357,097
VALVE STRUCTURE FOR STEAM CONDUCTING SYSTEMS
Charles L. Fantan, Paterson, N. J.
Application June 11, 1943, Serial No. 490,425
2 Claims. (Cl. 277—55)



1. The combination of the upright part of a steam conductor having an annular support formed around its axis and providing an annular valve-seat, structure in the conductor comprising a head resting on said support and a portion depending from said head, said head having a passage permitting flow of steam through the conductor upwardly past said support and said structure having a passage, independent of the first-named passage and permitting flow of water downwardly past said support, which depends into and has its discharge outlet in said portion, said structure coacting with said support to prevent fluid-flow past said support except via said passages, a check-valve normally urged into closing relation to said outlet but displaceable therefrom by liquid accumulating in the second-named passage, and a conductor valve movable into closing relation to the first-named, independently of the second-named, passage.

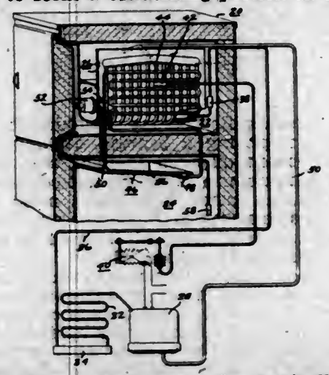
2,357,098
TRANSFORMER
Alexis N. Garin, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 23, 1940, Serial No. 346,917
12 Claims. (Cl. 171—119)



7. A system of three-phase power transformation comprising, in combination, Y-connected primary and secondary windings, a delta-connected tertiary winding, and terminals for a three-phase load circuit connected to the electrical midpoints of the phases of the tertiary winding, the coils of the two halves of each of said phases being axially displaced with respect to each other.

2,357,099
REFRIGERATING APPARATUS
Richard S. Gaugler, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 25, 1939, Serial No. 258,519
13 Claims. (Cl. 62—116)

1. A refrigerating apparatus comprising in combination, a primary refrigerating system including a refrigerant liquefying unit and an evaporator connected in closed circuit relation, said evaporator having metal walls in which the refrigerant is located, a closed secondary circuit containing a volatile liquid enclosed in metal walls and having an evaporating portion, a portion of the metal walls of said primary evaporator being in direct metal-to-metal contact with a portion of the metal walls of the secondary circuit to form a condensing portion in the sec-



ondary circuit, and means for controlling the temperature of the evaporating portion of the secondary circuit, said means consisting of means for elevating a part intermediate the condensing portion and the evaporating portion of said secondary circuit above the plane of the condensing portion thereof whereby said volatile liquid will be trapped in that portion of the metal walls of the secondary circuit which is in contact with the walls of the primary evaporator.

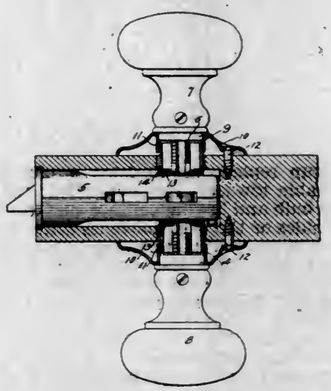
2,357,100
TRANSPARENT SHEET MATERIAL AND METHOD OF MAKING SAME
Erich Gebauer-Fuelnegg, Evanston, Ill., and Louis K. Eilers and Eugene W. Moffett, Gary, Ind., assignors, by mesne assignments, to Marbon Corporation, a corporation of Delaware
No Drawing. Application April 14, 1933, Serial No. 666,222
8 Claims. (Cl. 117—145)

1. As a new article of manufacture, a flexible, transparent, moisture proof sheet comprising a base formed of a sheet of non-fibrous, transparent, cellulosic material coated with a moisture proofing composition containing a wax and a thermoplastic, resin-like rubber derivative of the "Plioform" type.

2,357,101
TITANIUM PIGMENTS AND PROCESS FOR PRODUCING THE SAME
John Albert Geddes, Richardson Park, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 7, 1941, Serial No. 405,784
5 Claims. (Cl. 106—300)

1. A process for improving the discoloration, chalking and gloss and gloss retention characteristics of a previously calcined titanium oxide pigment which comprises admixing with an alkali dispersed, aqueous suspension of said pigment having a pH ranging from about 9 to 11 a soluble aluminum salt of an organic acid to reduce said pH to about 5, thereafter admixing a sufficient amount of an alkaline earth metal hydroxide to raise the pH of the suspension to a pH of from about 9 to 11 and precipitate from substantially .01% to 10% of an insoluble, basic organic aluminum compound, calculated as Al_2O_3 and on the pigment basis, on said pigment, thence adjusting the pH of the pigment slurry to about 7, and then drying and recovering the resulting product.

2,357,102
LOCK DEVICE
Russell S. Gold, Berlin, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application September 5, 1941, Serial No. 409,609
1 Claim. (Cl. 292—356)

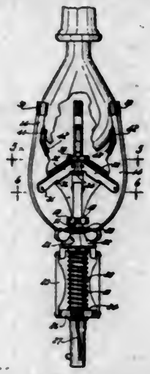


In a device of the character indicated, a lock case having an upstanding generally cylindrical boss thereon, a rosette, and a sleeve within the bore of said rosette, said sleeve being of a size to interfit with said generally cylindrical boss on said lock case whereby said sleeve when placed over said boss by means of said rosette serves to pilot said rosette relatively to said lock case.

2,357,103
PREPARATION OF PYROGEN-FREE UROGASTRONE
John S. Gray, San Antonio, Tex., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application August 4, 1942, Serial No. 453,605
10 Claims. (Cl. 260—236.5)

6. In a process for the purification of urogastrone, the steps comprising treating an acidified aqueous acetone extract solution of crude urogastrone with alcohol, acetone and aniline to obtain a precipitate, treating an acidified aqueous solution of such precipitate with acetone and a small amount of a substance selected from the group consisting of aniline and pyridine to form a precipitate, separating the urogastrone-containing supernatant liquor, drying, treating an acidified concentrated methanol solution thereof with n. butyl alcohol, acetone and a small amount of aniline until a precipitate is formed, and recovering urogastrone from the last mentioned precipitate.

2,357,104
UNIVERSAL SCREW TYPE LAMP REPLACER
Harold D. Grinnell, Pittsfield, Mass., assignor to The G. C. A. Manufacturing Co., Pittsfield, Mass., a corporation of Massachusetts
Application June 19, 1943, Serial No. 491,426
7 Claims. (Cl. 294—20)



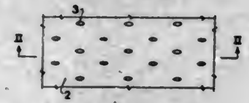
1. A lamp replacer comprising a plurality of jaws movable towards and away from the sides of a lamp bulb and having contact surfaces to engage the sides of the bulb above its zone of maximum diameter, a pad mounted for movement towards and away from the end of the bulb, and means for moving the pad towards the end of the bulb as the jaws approach each other.

2,357,105
PULL TYPE LAMP REPLACER
Harold D. Grinnell, Pittsfield, Mass., assignor to The G. C. A. Manufacturing Co., Pittsfield, Mass., a corporation of Massachusetts
Application June 19, 1943, Serial No. 491,427
4 Claims. (Cl. 294—20)



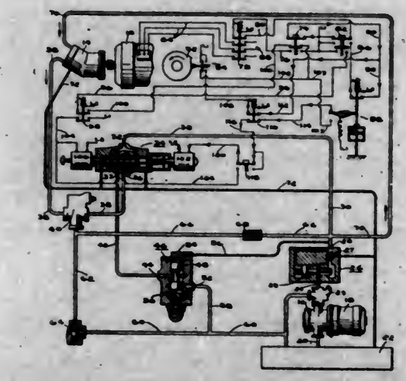
1. A lamp replacer of the swinging jaw type comprising a base, a journal member having a plurality of pivot bearings, lamp grasping jaws, pivot pins received in the pivot bearings and passing into the jaws, a cap member having lugs extending past the ends of the pivot pins to block their removal, and means for securing the journal member and cap member to the base.

2,357,106
BEARING CONSTRUCTION
Leo D. Grenot, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 29, 1943, Serial No. 481,054
4 Claims. (Cl. 308—237)



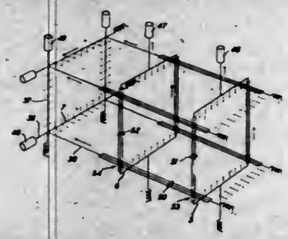
1. In a composite bearing structure the combination comprising a bearing backing and a bearing element disposed thereon, said bearing element comprising a relatively soft corrosion resistant bearing metal including a mesh screen formed of a relatively hard fatigue and pressure flow resistant bearing metal disposed therewithin, said mesh screen being fixedly attached to said bearing backing, the warp strands of said mesh screen being larger in diameter than the woof strands thereof at least some of said warp strands extending to the upper surface of said bearing element to form a plurality of exposed surfaces flush with the surface of said first named bearing metal, the greatest linear dimension of said exposed surfaces lying in the direction of relative movement of the supported element over the bearing surface.

2,357,107
POWER TRANSMISSION
Ferris T. Harrington and Raymond C. Griffith, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application October 12, 1938, Serial No. 234,634
9 Claims. (Cl. 60—53)



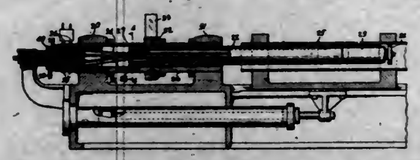
2. In a fluid power transmission system the combination of a prime mover operatively connected to a load device, a fluid pressure energy translating device operatively connected to the load device, pump means forming a source of pressure fluid, conduit means connecting the source and the said translating device, and means for causing the said device at times to be driven by the prime mover to act as a pump and at other times to act as a motor and drive the prime mover by fluid supplied from the source.

2,357,108
SWITCHING MECHANISM
Ralph V. L. Hartley, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 4, 1942, Serial No. 449,741
6 Claims. (Cl. 179—27.54)



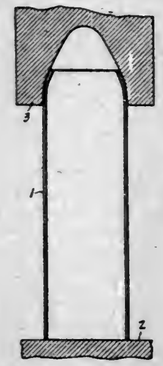
1. In a switching device, a plurality of crossbar switching units arranged with a plurality of longitudinal movable groups of bare wires running across the face of each unit, means in each unit for longitudinally moving all of the groups of wires therein simultaneously a plurality of longitudinally movable groups of bare wires with each group running perpendicular to the faces of said unit and each group crossing a corresponding group of wires of said first-mentioned groups in each of said units, means at each crosspoint of two groups of wires for establishing electrical connections between the individual wires in one group and corresponding individual wires of the other group on the movement of said two groups of wires in their assigned directions, another crossbar switch comprising horizontal and vertical bars longitudinally movable, means at each point where a horizontal bar crosses a vertical bar operative on the movement of said bars to move a particular group of said second-mentioned wires longitudinally so that on such movement of a group of said second-mentioned wires followed by the longitudinal movement of said first-mentioned wires in one of said units corresponding electrical connections are established between said moved groups of the second-mentioned wires and one of the moved groups of said first-mentioned wires in the corresponding unit.

2,357,109
GRINDING MACHINE
William C. Heath, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application April 27, 1942, Serial No. 440,617
5 Claims. (Cl. 51—90)



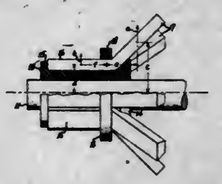
1. In a grinding machine, a tubular rotary sleeve having an inside bore eccentric to the outside, bearings for supporting said sleeve for rotation, a motor spindle secured in said sleeve for rotation therewith and independently thereof, an electric motor carried by said spindle eccentrically thereof and having a grinding wheel mounted on the motor shaft, a gear element on said spindle inside said sleeve, a worm gear meshing with said element with its shaft bearing in the wall of said sleeve, and means at the end of said worm gear shaft exposed externally of said sleeve for turning the same to adjust the eccentricity of the motor and the bearing support for said sleeve.

2,357,110
METHOD OF MAKING BOMBSHELLS
Warren F. Heineman, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application September 15, 1941, Serial No. 410,833
5 Claims. (Cl. 78—81)



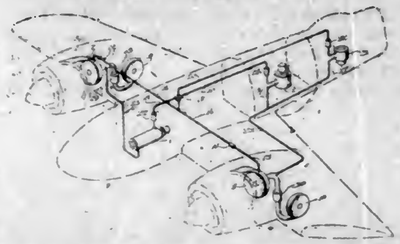
1. The method of nosing a cylindrical blank inwardly at one end to provide a curved end of substantially greater cross-sectional area of metal than that of the blank, comprising alternately heating and upsetting the end of the blank by endwise forging action and with the heat softening of the metal restricted substantially to the previously formed portion in each step.

2,357,111
COMMUTATOR
Lawrence F. Hemphill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application December 5, 1942, Serial No. 467,959
3 Claims. (Cl. 171—321)



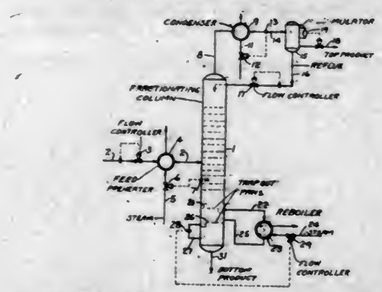
1. A commutator including an insulating support, a plurality of commutator segments arranged on said support, and pivotal retaining means arranged intermediate the ends of said segments providing a brush seat portion and a portion on the other side of said retaining means for securing said segments on said support, the weight and center of gravity of said other side segment portions being such relative to that of said brush seat segment portions that the moment of said other side portions about said securing means is greater than the moment of said brush seat portions thereabout.

2,357,112
AIRPLANE HEATING SYSTEM
Seymour E. Heymann, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 2, 1943, Serial No. 481,552
5 Claims. (Cl. 237—12.3)



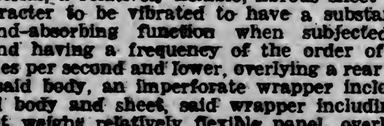
2. In an airplane heating system two engines each having a pair of superchargers serially connected to provide two stages of compression, a carburetor in the conduit between said superchargers, two internal combustion heaters, a conduit connecting the high pressure chambers of the second stage superchargers with each other and with the intakes of said internal combustion heaters, an exhaust pipe connecting the discharge from one of said heaters to the intake of one of the second stage superchargers, and an exhaust pipe connecting the discharge of the other of said internal combustion heaters to the intake of the other of said second stage superchargers, the connections of said exhaust pipes to the supercharger intakes being between the carburetors and the intakes of the second stage superchargers.

2,357,113
APPARATUS FOR DISTILLATION CONTROL
Glen S. Haughland, New York, N. Y., and Charles C. King, Roselle, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application November 30, 1940, Serial No. 368,022
7 Claims. (Cl. 196—132)



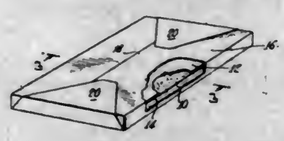
1. The combination with a fractionating column having means associated with the top and bottom thereof for condensing distillate vapors and vaporizing bottoms liquid respectively, each of said means being adapted to permit the return of the changed fluid phase produced by it to the adjacent end of the column, of a flow controller for holding a constant column feed rate, means responsive to the rate at which fluid is being withdrawn from one of the ends of said column for automatically varying the rate of return of changed fluid phase to said end in direct proportion to said rate of withdrawal, temperature-measuring means situated in said column between said end and the feed inlet and relatively close to said feed inlet, and means coupled and responsive to said temperature-measuring means for automatically varying the net heat input to the mid-section of the column to rapidly compensate for temperature variations in said column.

2,357,114
SHOVEL
Andrew F. Howe, University City, Mo., assignor of one-third to Ralph J. Niehaus, Jennings, Mo., and one-third to William F. Niehaus, St. Louis, Mo.
Application October 13, 1943, Serial No. 506,036
4 Claims. (Cl. 294—55)



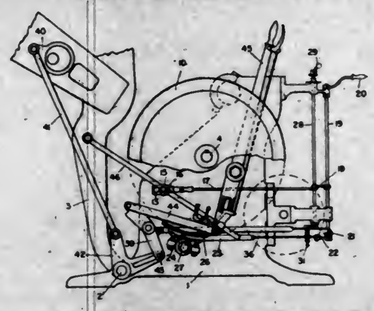
1. A shovel comprising separate lower and upper metallic sections forming, respectively, a bottom and a top of a closed shovel body having an opening only at its forward end, integral margins having their edges adjacent to each other along the sides and rear end of said sections, means rigidly attaching together said adjacent edges and holding said lower and said upper sections rigidly connected to form a shovel open at its forward end and closed along its said sides and rear end, separate metallic lower and upper semi-tubular elements cooperating to form a tubular socket inclining upwardly and rearwardly from said attached edges, dished plate portions integral with the forward ends of said elements diverging from each other and fitting against the outer surfaces of said lower and upper sections, means rigidly attaching said dished plate portions to said lower and upper sections, respectively, below and above said attached edges, a handle extending into said socket, and fasteners preventing said socket elements and said sections from spreading apart and also attaching said handle in said socket.

2,357,115
SOUND-ABSORBING UNIT
William A. Jack, 3rd, North Plainfield, and Andrew Mensak, Jr., Manville, N. J.
Application March 10, 1942, Serial No. 434,034
5 Claims. (Cl. 20—4)



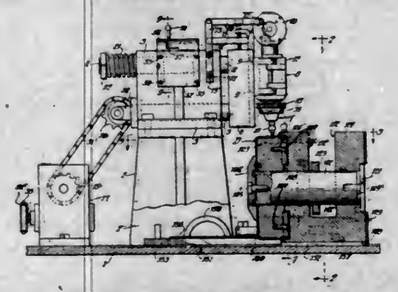
1. A sound absorbing unit comprising a porous, fibrous, self-sustaining body of sound absorbing material, a relatively flexible, fibrous sheet of a character to be vibrated to have a substantial sound-absorbing function when subjected to sound having a frequency of the order of 500 cycles per second and lower, overlying a rear face of said body, an imperforate wrapper inclosing said body and sheet, said wrapper including a light weight relatively flexible panel, overlying the front face of said body and adapted to transmit sounds of both high and low frequency.

2,357,116
PLATEN PRINTING PRESS
Lawrence R. Johnson, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application April 16, 1941, Serial No. 388,831
6 Claims. (Cl. 101—299)



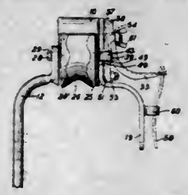
1. In a platen printing press having throw-off means automatically operative upon failure of the vacuum in the sheet handling mechanism, a drive shaft, a flywheel keyed to said shaft, a second flywheel freely rotatably mounted on said shaft, clutch means for connecting said second flywheel in driving engagement with said shaft, means for rotating said second flywheel, brake means operative upon said first-named flywheel; control means for said clutch comprising a vertically mounted rotatable shaft, an arm on said vertical shaft, and link means connected to said arm operative upon reciprocation to engage and disengage said clutch; control means for said brake comprising an arm on said vertical shaft and link means connected to said arm operative upon reciprocation to apply and release said brake; another arm on said vertical shaft, link means adapted to engage said last-named arm and operable by said throw-off means to rotate said vertical shaft to disengage said clutch and apply said brake; and means for maintaining said last-named link means out of engagement with said last-named arm when it is desired to render the brake and clutch control means non-responsive to functioning of the throw-off means.

2,357,117
GRADUATING AND ENGRAVING MACHINE
Helge S. Jonsson, Villa Park, Ill., assignor to The C. H. Hanson Company, Chicago, Ill., a corporation of Illinois
Application October 8, 1941, Serial No. 414,187
17 Claims. (Cl. 90—14)



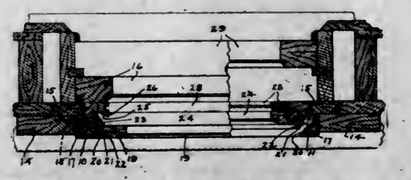
1. In a machine of the kind described, the combination of a supporting member, a cross-head carried by and movable relative to said member, a cam engageable with a portion of said cross-head for reciprocating the same in one direction, and spring means for moving said head in the opposite direction, stop means for adjustably limiting the movement of said head in said opposite direction, a rotary cutting spindle operatively carried by said head, drive means for rotating said spindle, means for axially feeding said spindle during reciprocation of said head, and work supporting means operatively related to said cutting spindle.

2,357,118
LINEMAN'S CABLE CAR
Robert J. Kent, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 28, 1940, Serial No. 372,210
1 Claim. (Cl. 74—230.7)



In a lineman's cable car, a hanger assembly including a wheel adapted to traverse a suspended cable, said wheel comprising a metal hub member having spaced integral flanges flared at their peripheries, and a ring of tough resilient material confined between said flanges, the outer surface of said ring being shaped to form with portions of the peripheries of said flanges a curved composite bearing surface for said cable, the inner surfaces of said flanges and the sides of said ring being corrugated, the corrugations extending slightly into the flared peripheral portions of said flanges, whereby the joints between said ring and the peripheral portions of said flanges have wave-like configurations thereby preventing the cable from forcing itself in between the ring and said flanges.

2,357,119
STORM SASH AND WINDOW SCREEN STRUCTURE
Scott C. Kirkpatrick, Indianapolis, Ind.
Application May 19, 1943, Serial No. 487,592
7 Claims. (Cl. 160—101)



5. For a window frame having an outer casing therearound, an outer upper and an inner lower sash, and a blind stop extending from the inner edges of said casing overlapping the outer sash, the combination of a storm sash and window screen frame formed of side rails and top and bottom rails to fit within the inner edges of said casing and said stop, a screen sash slidingly carried by said side rails to have the plane of its inner face substantially within the plane of the outer face of said outer window sash; an inner storm sash slidingly carried by

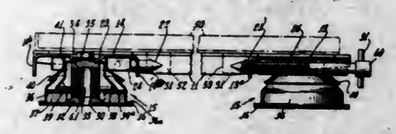
said side rails to have its inner face substantially in the same plane as that of the outer face of said screen sash; and an outer storm sash slidingly carried by said side rails to have its inner face in substantially the same plane as that of the outer face of said inner storm sash; and angularly disposed means interengaging said side rails and said storm sashes maintaining said sliding supports therebetween.

2,357,120

SHOCK ABSORBING SUPPORTING DEVICE

Edward J. Kuebert, Bellmore, and Joseph P. Della Corte, Brooklyn, N. Y., assignors to Fairchild Camera and Instrument Corporation, a corporation of Delaware

Application May 20, 1941, Serial No. 394,248
9 Claims. (Cl. 248—22)



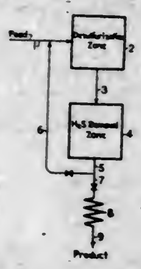
2. In apparatus of the character described, a metal frame including spaced front and rear plates, a pair of stationary cone points secured to said rear plate in spaced relation, a pair of movable cone points secured to said front plate in spaced relation and movable toward and away from said stationary cone points for releasably securing to said frame an instrument or the like, a mounting member associated with each of said plates, and vibration absorbing means for securing each of said mounting members to said plates.

2,357,121

PROCESS FOR DESULPHURIZING A HYDROCARBON DISTILLATE

Lawrence L. Lovell, Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application March 1, 1943, Serial No. 477,661
12 Claims. (Cl. 196—28)



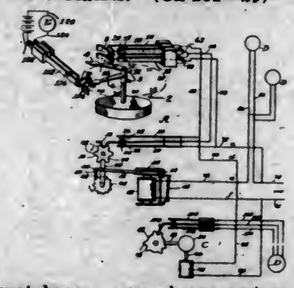
1. A process for desulphurizing a hydrocarbon distillate containing organic sulphur compounds comprising contacting said distillate at a temperature below that of incipient cracking with a catalyst which converts said organic sulphur compounds to hydrogen sulphide whereby a treated distillate vapor is produced containing hydrogen sulphide, removing said hydrogen sulphide from said vapor, dividing the resulting vapor free from hydrogen sulphide into two unequal portions, recirculating the larger of said portions to recontact said catalyst along with more of said distillate, and withdrawing the smaller of said portions.

2,357,122

ELECTRIC CONTROL DEVICE

Harold Machinist, Chicago, Ill., assignor to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois

Application August 24, 1940, Serial No. 354,046
5 Claims. (Cl. 161—29)



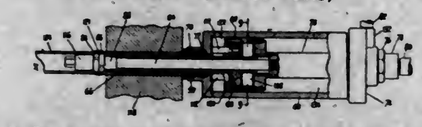
1. A watchman supervisory system comprising an alarm device, electrical means for controlling the operation of said alarm device, and a control circuit for controlling said electrical means, switch means in said circuit comprising a pair of timer actuated switches connected in series in said circuit and control switches in said circuit, there being a control switch in parallel relationship with respect to each of said timer actuated switches, biasing means normally urging each of said timer actuated switches toward a normal switch position, timer actuated means for throwing said timer actuated switches each to an abnormal switch position at successive intervals during a predetermined time cycle, said control switch means being operative when actuated during said predetermined time cycle to control said electrical means independently of its respective parallel timer actuated switch to prevent the ringing of said alarm device, and said timer actuated switch being operative to control said electrical means during said predetermined time cycle to cause the ringing of said alarm device when its parallel control switch is not actuated during said time cycle, and means operable by a watchman for alternately actuating said control switches to cause alternate opening and closing thereof during successive time cycles including means for closing one of said control switches when the other is opened and vice versa.

2,357,123

APPARATUS FOR PRODUCING PRESSURE-TIGHT TUBE AND TUBE SEAT CONNECTIONS

Carl A. Maxwell, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Original Application May 20, 1939, Serial No. 274,749. Divided and this application May 23, 1941, Serial No. 394,758
6 Claims. (Cl. 153—80.5)



2. In a pull type tube expanding and drawing tool for effecting pressure tight connections between tubes and a wall preventing tube seats in which the tubes are fitted, an expander head contractible to a tube entering condition and including tube engaging components, a mandrel embraced by said components, the mandrel having a head expanding tapered portion effective upon the head components when the mandrel has longitudinal movement relative to the expander head, pulling means coupled to the mandrel and acting to pull the expanded head along a tube and toward its adjacent end, and expander head holding means operatively associated with the expander head and the pulling means and holding the tube enclosed expander head against movement with the mandrel until the former has expanded the tube.

2,357,124

STABILIZATION OF SOIL

Abraham B. Miller, deceased, late of Newark, Del., by Hazel E. Miller, administratrix, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 14, 1942, Serial No. 454,836
10 Claims. (Cl. 106—123)

1. The method of stabilizing soil which comprises admixing therewith an aqueous suspension of a mixture of tall oil and a substantially petroleum-hydrocarbon insoluble pine wood resin, said suspension containing a dispersing agent for the mixture.

2,357,125

LIGHT METAL FLUX

Mike A. Miller, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application November 25, 1941, Serial No. 420,345
9 Claims. (Cl. 148—26)

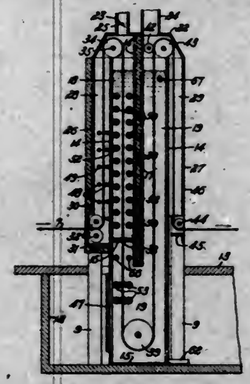
1. An alkali metal chloride base flux for joining light metal members containing about 2 to 15 per cent total of at least one strontium halide, said flux being characterized by a higher wetting power than that of the same flux devoid of said strontium halide.

2,357,126

ALLOYING AND FUSING PROCESS

John S. Nachtman, Beaver, Pa.

Application May 5, 1938, Serial No. 206,257
5 Claims. (Cl. 204—28)



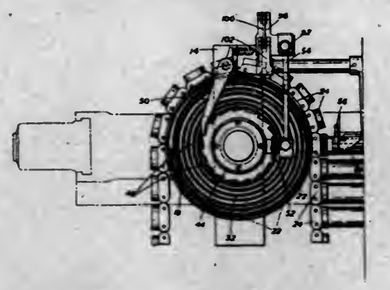
1. In a method of treating metal strip having a metal plating on surface portions thereof to provide a bright, uniform and adherent coating of improved characteristics, the steps of heating the strip to bring the entire strip to a temperature approaching but short of the melting point of the plating in one heating zone, then further heating the strip in a second heating zone communicating with the first zone to melt the plating, then cooling the strip in a cooling zone communicating with the second heating zone to solidify the plating, controlling the temperatures of the heating and cooling steps so that the plating is melted for only a relatively short period of time, and protecting the strip by non-oxidizing fluids during the heating and cooling steps and the passing between zones.

2,357,127

MEANS FOR FEEDING BELT AMMUNITION TO HEAVY MACHINE GUNS

John Dudley North, Wolverhampton, England, assignor to Boulton Paul Aircraft Limited, Wolverhampton, England, a British company

Application May 12, 1942, Serial No. 442,713
In Great Britain February 10, 1939
3 Claims. (Cl. 89—33)



1. Means for feeding belt ammunition to heavy machine guns designed for magazine feed and mounted for rotation about an axis parallel to the direction in which the rounds enter the breech port of the gun, comprising an ammunition belt from which the rounds of ammunition are withdrawn from the side in a direction perpendicular to the long axis of the round, means for feeding the ammunition belt to the breech port of the gun in a plane normal to the axis of rotation of the gun, arcuate guide means disposed about said axis of rotation for guiding the rounds to a position of correct alignment with the breech port irrespective of the angular position of the gun, a stop located on the gun adjacent the breech port for stopping each round as it reaches said port and a member carried by the gun and normally resiliently urged in a direction to push the round laterally from the belt into said port when the port opens.

2,357,128

WORK HOLDER

Wesley E. Parks, Bedford, Ohio, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio

Application November 22, 1943, Serial No. 511,292
3 Claims. (Cl. 82—1)

3. A work holder comprising a base, a first work table slidably mounted on said base, a second work table slidably mounted on the first work table, means for moving the second work table along a sliding track on the first work table, fric-

tional abutment and indexing means on the first work table to hold and align one end of a piece of work, abutment means on the second work table to hold and to clamp the opposite end of the work as said motivating means moves the work holding means of the second work table toward the holding means on the first work table, spring means for opposing movement of the first work

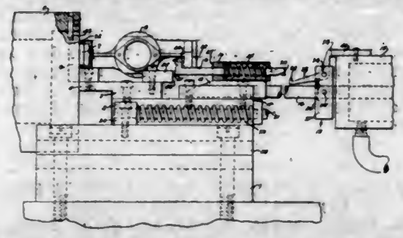
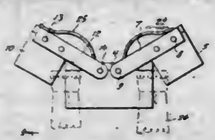


table along its sliding engagement with the base as the motivating force of the second work table is transmitted through the clamped work to the first work table, and means responsive to the reversal of direction of the motivating force means of the second work table to remove the work from the frictional abutment and indexing means on the first work table in order to facilitate the removal of the work from the work holder.

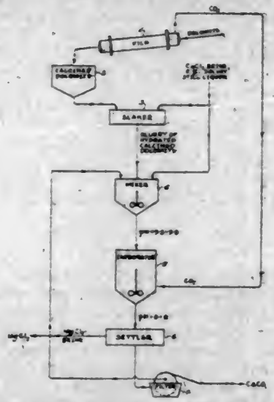
2,357,129
REMOVABLE PARTITION CARRIER FOR BOTTLES
Abraham J. Perlman, Brooklyn, N. Y.
Application January 24, 1942, Serial No. 428,097
2 Claims. (Cl. 294—87)



1. A bottle carrier comprising a body block, a pair of additional blocks at opposite sides of said body block and pivoted thereto by sets of hinges, cooperative openings in said body block and said additional blocks adapted to surround the neck of a bottle therebetween, and means for holding said additional blocks against said body block to grip said bottles, said means including cords having the ends secured in said additional blocks, the cords passing through the sides of said body block and out through the top to provide a carrier handle.

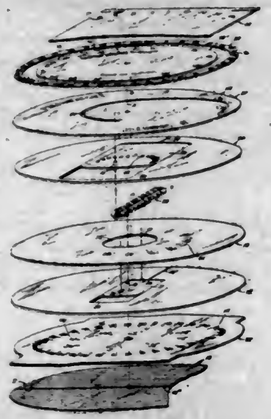
2,357,130
PRODUCTION OF MAGNESIUM CHLORIDE FROM CALCIUM CHLORIDE AND DOLOMITE
Robert D. Pike, Pittsburgh, Pa., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 5, 1942, Serial No. 441,966
10 Claims. (Cl. 23—66)

2. That method of making magnesium chloride and calcium carbonate which comprises mixing calcined dolomite, calcium chloride brine, and magnesium chloride brine to produce a slurry of hydrated magnesia and calcium chloride and containing substantially no lime and having a pH of about 9:1 to 9.7 and then passing carbon dioxide gas into said slurry and thereby producing magnesium chloride solution and calcium carbonate precipitated in a form which settles rapid-



ly and filters and washes freely, and separating said calcium carbonate from the magnesium chloride mother solution.

2,357,131
NAVIGATION INSTRUMENT
John P. Putnam, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application September 28, 1942, Serial No. 459,922
17 Claims. (Cl. 33—1)

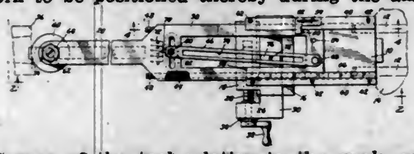


1. A navigation instrument, comprising two relatively coaxially turnable discs, a straight link parallel to said discs, a first transverse pivot on said link radially slidable in one disc, another pivot parallel to said first pivot slidable on said link and radially slidable in the other disc, and mechanism for adjusting either pivot radially of its respective disc.

2,357,132
TAPER BORING TOOL
Murlin Reeve, Royal Oak, Mich.
Application August 25, 1943, Serial No. 499,985
8 Claims. (Cl. 77—58)

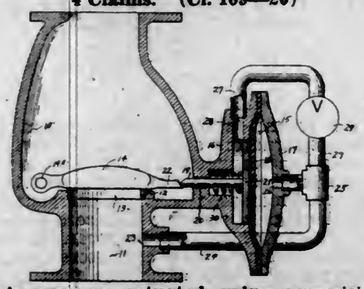
1. In combination with a tool-carrying fixture supported to advance a tool axially relative to a

piece of work being acted upon by the tool and provided with a tool-carrying slide mounted upon the fixture for radial adjustment during such axial advance, a taper guide attachment including means spring urged into contact with the work to be positioned thereby during the axial



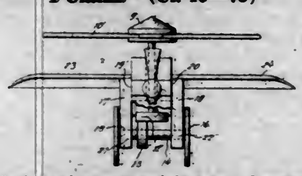
advance of the tool relative to the work, said means mounted upon the fixture and coupled with the tool-carrying slide to control the radial adjustment of such slide during its axial advance while permitting axial advance of said slide relative to said means.

2,357,133
PRESSURE ACTUATED VALVE
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Original application November 2, 1942, Serial No. 464,169. Divided and this application March 26, 1943, Serial No. 480,718
4 Claims. (Cl. 169—20)



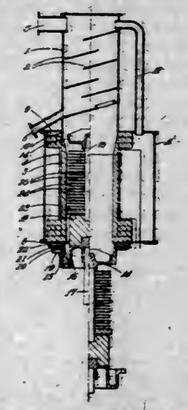
1. A pressure actuated valve comprising in combination a valve body having a clapper hinged therein adapted to close a passageway therethrough, pressure actuated means including a diaphragm normally engaging the said clapper so as to retain it in closed position means to release said clapper, means establishing communication between the space on one side of said diaphragm and the inlet portion of the said valve, and means for equalizing fluid pressures on the two sides of the said diaphragm so as to permit the said clapper to open.

2,357,134
HELICOPTER TOY
Adolf Robins, White Plains, N. Y., assignor to Tip Top Toy Company, New York, N. Y., a copartnership
Application March 9, 1944, Serial No. 525,673
1 Claim. (Cl. 46—75)



A toy helicopter comprising an elongated fuselage, a pair of driving wheels secured to an axle, said fuselage being mounted on said axle so as to allow rotation of said axle relative thereto, a friction wheel secured to said axle intermediate said wheels and parallel thereto, said friction being of lesser diameter than said driving wheels, a horizontal friction disk above said friction wheel and contacting therewith along its rim, a central cylindrical rod fixed to said disk and extending vertically upward through a vertical opening in said fuselage, said opening being cylindrical and its diameter being substantially greater than that of said rod, said rod and disk being free from direct connection with said body and being adapted for lateral and vertical movement relative to said body, a set of helicopter blades mounted on the upper end of said rod and providing pressure on said friction wheel and disk, the outer edges of said blades extending beyond the rim of said disk, wings extending laterally from the sides of said fuselage on opposite sides of said opening, said driving wheel mounting being secured to said fuselage below said wings, said wings being supported on said mounting, and a tail skid secured to the rear end of said fuselage, the height of said skid being such as to maintain said rod in vertical position when said toy is on an approximately horizontal surface, said skid being a vertically placed flat member joined to said fuselage by a tongue and groove arrangement and extending above said fuselage to simulate a tail.

2,357,135
HIGH TEMPERATURE REACTION AND FURNACE THEREFOR
Frank Roper-Lowe, Burnham, and Robert Sandison, Worsley, near Manchester, England, assignors to Magnesium Elektron Limited, London, England, a British company
Application September 17, 1943, Serial No. 502,838
In Great Britain February 13, 1942
15 Claims. (Cl. 75—10)



1. A process for effecting high temperature reactions of the kind referred to wherein the reaction materials are heated in a reaction chamber, the volatile reaction products are condensed in a condenser connected with the upper end of the reaction chamber, the reaction residues are withdrawn as a whole downwards out of the lower end of the reaction chamber whilst inert gas is introduced into the reaction chamber to prevent ingress of air, and the lower end of the reaction chamber is closed to at least a substantial extent whilst preparation is made for introducing a new charge.

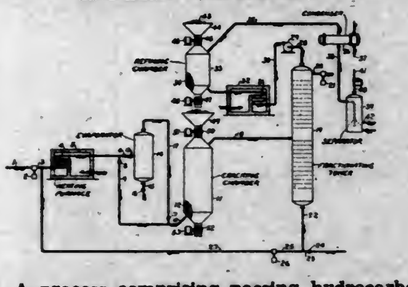
2. A furnace comprising a reaction chamber having a movable base, a condenser in communication with the upper part of the reaction chamber, means whereby relative movement between the base of the reaction chamber and the furnace can be effected so that the whole of the reaction residues can be withdrawn through the lower end of the furnace in a single operation, a closure member movable in sequence to the movement of said base for at least substantially closing the lower end of the reaction chamber when said base is removed, and means whereby an inert gas is introduced into the furnace at a pressure sufficient to prevent ingress of air at the base of the furnace.

2,357,136

METHOD OF CATALYTICALLY CONVERTING HYDROCARBON OILS

Louis C. Rubin, West Caldwell, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application February 28, 1941, Serial No. 381,040
12 Claims. (Cl. 196—52)



1. A process comprising passing hydrocarbon oil higher boiling than gasoline through a cracking zone in the vapor phase in contact with finely divided solid silica-alumina cracking catalyst under cracking conditions of temperature, pressure and time of contact to effect substantial cracking of said hydrocarbon oil and formation of gasoline constituents of high anti-knock value, separating from the products of said cracking operation a light fraction containing gasoline constituents, superheating said light fraction substantially above its dew point, passing said superheated light fraction through a treating zone in contact with another portion of said finely divided solid cracking catalyst under polymerizing conditions of temperature, pressure and time of contact effective to remove color-imparting and gum-forming constituents from said light fraction while avoiding substantial decomposition of gasoline constituents of said light fraction, limiting the time of residence of said catalyst in said treating zone to restrict the accumulation of deposited polymerized hydrocarbons to an amount which maintains the activity of said catalyst for the promotion of cracking reactions, and transferring catalyst from said treating zone to said cracking zone.

2,357,137

SHUTTER CONSTRUCTION

Fred B. Schneider, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York

Application November 22, 1941, Serial No. 420,109
8 Claims. (Cl. 189—62)

1. A shutter construction including a plurality of shutters, pivotal means on said shutters, means including bearings for pivotally supporting said pivotal means, means having openings with other bearing surfaces around the openings



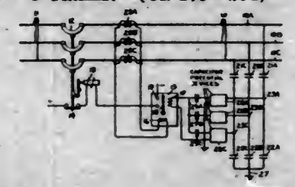
arranged to cooperate with said bearings for clamping said pivotal means, and means for biasing said bearing surfaces transversely relative to said pivotal means.

2,357,138

PROTECTIVE SYSTEM

Harold T. Seeley, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application June 30, 1942, Serial No. 449,047
3 Claims. (Cl. 175—294)



1. In a ground-fault protective system for a polyphase alternating current circuit having no available ground connection at the relaying point, an electroresponsive device of the wattmetric type having two windings, means for energizing one of said windings in response to a zero phase sequence quantity of said circuit, means including a star-connected network of capacitors associated with said circuit for establishing a floating neutral for said polyphase circuit, and means for connecting the other of said windings to the neutral of said star-connected network, said network of capacitors being constructed to neutralize a predetermined portion of the inductive reactance of said other winding so that the current flowing through said other winding has a predetermined phase relationship with respect to the current in said one winding so as to produce a high torque on said electroresponsive device in the event of a ground fault on said circuit.

2,357,139

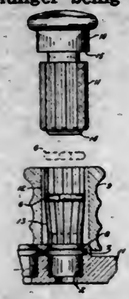
SNAP RING ASSEMBLING TOOL

John J. Seme, Maple Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio

Application July 1, 1943, Serial No. 492,986
2 Claims. (Cl. 29—235)

1. In a hand tool for forcing split snap retaining rings into sockets for retaining sub-assemblies in position, said tool comprising a hollow tapered splined barrel and a splined plunger having a uniform diameter, said barrel including a plurality of splines spaced around the inner periphery thereof, each spline extending longitudinally of and having their bottom surface parallel with the axis of the barrel, forming ribs providing said taper and said plunger having splines to receive said ribs, said splines forming ribs on said plunger whose outer surfaces are parallel with the axis

of the plunger and together form said uniform diameter, said plunger being operable to force



the ring through said barrel and into reduced diameter and into a groove in said socket into expanded retaining position.

2,357,140

TEMPERATURE INDICATOR

Frederick R. Sias, Marblehead, Mass., assignor to General Electric Company, a corporation of New York

Application June 10, 1943, Serial No. 490,347, which is a division of application Serial No. 465,079, November 9, 1942. Divided and this application February 5, 1944, Serial No. 521,255
1 Claim. (Cl. 171—95)



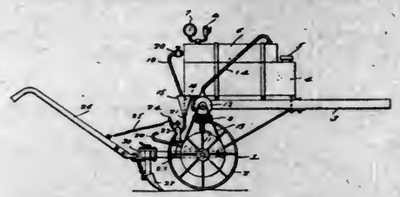
A current responsive measuring system comprising a double bridge circuit and a current ratio responsive instrument of the type having a pair of coils, said double bridge circuit comprising a first bridge having first and second pairs of resistors in series parallel between input terminals adapted to have a current source connected thereto, each series pair of resistors having a junction terminal serving as a diagonal arm terminal, one of the coils of the current responsive instrument being connected between said diagonal arm terminals, and a second bridge comprising a pair of series connected resistors already included in the first-mentioned bridge and a third pair of series connected resistors also connected between said input terminals, the third pair of resistors having a junction terminal serving together with the junction terminal of the second series pair of resistors as a pair of diagonal arm terminals for the second bridge, and the second coil of the current responsive device being connected between said latter pair of diagonal arm terminals, one of the resistors of the first series pair and one of the resistors of the second series pair which is connected to the same input terminal as said resistor just mentioned, each having a resistance which varies in accordance with the quantity which is to be measured, said current responsive instrument having a scale determining the range within which measurements may be made, one of said bridges having resistances of such value as to be balanced with the instrument indication substantially within the lower half of its scale range and the other of said bridges having resistances of such value as to be balanced with the current responsive instrument indication in the upper half of its scale range.

2,357,141

POISON OR FERTILIZER DISTRIBUTING MACHINE

John Henry Singleton, Prattville, Ala.

Application January 27, 1943, Serial No. 473,729
3 Claims. (Cl. 97—179)



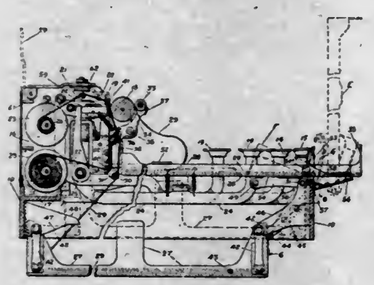
1. In a device of the character described, a wheeled frame, a tank, for the reception of a fluid, mounted on the frame, a funnel carried by the tank and including chambers, one of said chambers communicating with the fluid tank, a discharge pipe for the fluid connected to the funnel chambers, a compressed air tank mounted on the frame and connected to the other chamber of the funnel, a normally closed control valve for the discharge pipe, and means for opening the control valve.

2,357,142

TYPEWRITING MACHINE

Howard B. Smith, Washington, D. C.

Original application March 4, 1938, Serial No. 193,974. Divided and this application May 12, 1942, Serial No. 442,673
7 Claims. (Cl. 197—186)



1. In a typewriting machine, a frame, a plurality of keys mounted in said frame and disposed in groups spaced apart from one another, a pair of superposed paper mounting trays disposed between said groups of keys, the lowermost of said trays being supported for movement vertically between a position within the frame and a position below the frame to accommodate different sizes of pads of paper, and means engageable with said tray within the frame for releasably holding it within the frame.

2,357,143

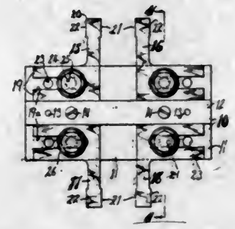
ADJUSTABLE GAUGE

Robert C. Smith, New Haven, Conn.

Application September 22, 1942, Serial No. 459,245
2 Claims. (Cl. 33—168)

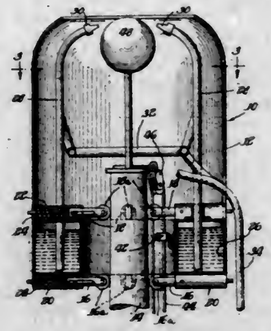
1. An adjustable gauge including in combination: a relatively-wide body-plate; a relatively-narrow seat-rib located on one face of the said body-plate intermediate the respective opposite

side-edges thereof so as to leave a portion of the face of the said body-plate adjacent each side-edge of the said seat-rib exposed for engagement by a pair of gauging-members; a pair of L-shaped gauging-members constructed and arranged to be mounted on either of the respective opposite sides of the said seat-rib and each gauging-member including an anchoring-arm having its inner edge seated against one edge of the said seat-rib and having one of its faces bearing against the face



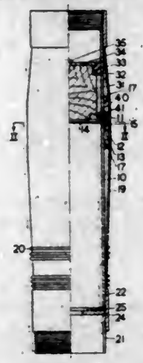
of the said body-plate adjacent the said seat-rib, each of the said L-shaped gauging-members also including a gauging-arm extending substantially perpendicularly from its complemental anchoring-arm and projecting outwardly beyond the adjacent side-edge of the said body-plate; and clamping-means adjustably holding the said gauging-members against the said body-plate and against the said seat-rib.

2,357,144
SURFACE TREATING APPARATUS FOR POLES
Carlyle B. Stair, Downers Grove, Ill.
Application March 16, 1942, Serial No. 434,844
2 Claims. (Cl. 91—45)



1. A device for treating the external surface of a flagpole including guide means adapted for engagement with and movement longitudinally of the external surface of a vertically disposed flagpole, spraying mechanism associated with said guide means and operable during the vertical movement thereof for contemporaneously spraying a continuous circumferential area of said exterior surface of the flagpole, and halyard coupling means movable as a unit with said guide means and said surface spraying mechanism whereby vertical movement may be imparted to said surface spraying mechanism as an incident to the shifting of the halyard of an associated flagpole.

2,357,145
FULL HOLE CEMENTING DEVICE
Rufus B. Standefer, Mene Grande, Venezuela, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 15, 1943, Serial No. 472,529
1 Claim. (Cl. 166—1)

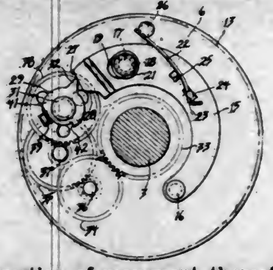


Apparatus for use in the cementing of a casing string in a well, which casing string carries screening means at its lower end, including in combination with the casing string, a tubular member made up with the casing string above the screening means, lateral ports in said tubular member, plugs inserted into the ports from the outside of the tubular member and normally closing said ports, frangible means traversing the bore of said tubular member and connecting the several plugs for holding said plugs in closing position on said ports, annular stop means within said tubular member substantially below said ports, a flexible sleeve surrounding said tubular member and having its lower end securely fastened to said tubular member below said ports and its upper end releasably attached thereto above said ports, and a plug member adapted to be inserted into the casing string directly below the charge of cement and to be pumped down through the casing string and into the tubular member together with the charge of cement, said plug member having means for forming a seal with walls of the casing string and having shearing means on its lower end for cutting said frangible means holding the plugs in place in the lateral ports, whereby when the plug member and the cement is forced down into the tubular member by fluid pressure applied thereabove, the ports are opened, the plug member comes to rest on the annular stop means and the cement is ejected through the ports into the sleeve, causing its upper connection to break and to allow the sleeve to be expanded against the borehole walls for preventing flow of cement downwards outside the tubular member.

2,357,146
SIGNAL DEVICE
Bruno Stechbart, Park Ridge, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application July 16, 1942, Serial No. 451,134
6 Claims. (Cl. 185—44)

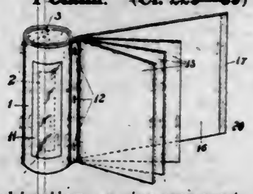
1. In a device of the character described, the combination with a first movably mounted signal member yieldably urged in one direction, a second movably mounted signal member, cam means periodically operative between said signal

members incident to movement of said second signal member in both directions of movement thereof to actuate said first signal member in the



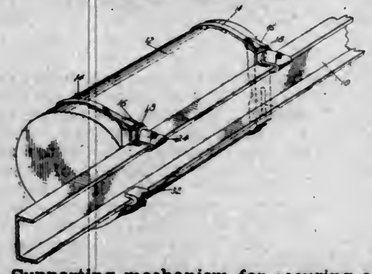
other direction of movement thereof and to release the same, a driven member, and lost motion drive means for driving said second signal member from said driven member.

2,357,147
WRAPPER FOR BOTTLES OR PHIALS
George Wright Taylor, Leeds, England
Application May 24, 1941, Serial No. 395,027
In Great Britain May 27, 1940
1 Claim. (Cl. 229—89)



In combination, a transparent container, a wrapper surrounding the container, a viewing opening in said wrapper by which the contents of the container are revealed, a multi-layer flap-like extension united to the wrapper, the outer layer of said flap-like extension having a length sufficient to completely encircle the wrapped container, said flap-like extension serving to cover the opening to exclude light, adding to the thickness of the wrapper to protect the container from breakage and providing a handle for holding when the flap is extended.

2,357,148
TANK MOUNTING
James H. Turner, Detroit, Mich., assignor to Allied Equipment Company, Detroit, Mich., a corporation of Michigan
Application April 14, 1943, Serial No. 483,041
5 Claims. (Cl. 280—5)

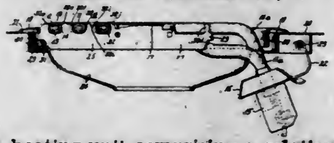


1. Supporting mechanism for securing a tank to a vehicle frame member of channel cross section, comprising a pair of bracket elements secured to the tank, each bracket element provided with a pair of bolts projecting outwardly from the tank, one bolt of each pair projecting above the upper flange of the frame member and the other bolt of each pair projecting below the lower flange of the frame member, and a U-shaped clamp secured to each bolt and engaged over the adjacent flange of the frame member, one of the bolts of each pair being adjustable upon the bracket toward or away from the other bolt on the same bracket.

2,357,149
PROCESS FOR THE PRODUCTION OF THIOUREA
Jacob van de Kamp, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 30, 1941, Serial No. 404,657
3 Claims. (Cl. 260—552)

1. The process comprising heating sodium sulfide, calcium cyanamide, and calcium chloride in aqueous solution, at a temperature of about 75–80° C.

2,357,150
HEATER
Oliver G. Vegel, Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application December 10, 1942, Serial No. 468,511
5 Claims. (Cl. 219—37)

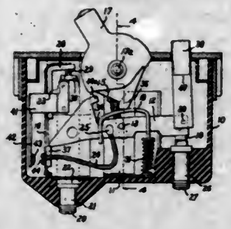


1. A heating unit comprising a relatively rigid rod-like heating element having a curved length that expands and contracts as the heating element heats and cools, said heating element being flattened so that it has a cross-section having a relatively long dimension and a relatively short dimension, and a grid for supporting said heating element having a strip with a notch therein for receiving and retaining said curved length in its operative position with the long dimension of said section positioned crosswise of said notch, said notch being preformed in said strip from the body thereof and having at least one side that over-hangs a part of said heating element along the long dimension thereof to prevent movement of the element out of said notch, the length of the opening of said notch between the inner edge of the over-hanging side and the opposite side of the notch being less than said relatively long dimension but long enough so that it will pass said relatively short dimension into the notch, whereby the heating element can be assembled with said strip only by inserting said short dimention through said opening into said notch and then by rotating the heating element relative to said strip so that said long dimension is positioned crosswise of said notch.

2,357,151
CIRCUIT BREAKER
Fred G. von Hoorn, Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application April 10, 1943, Serial No. 482,605
7 Claims. (Cl. 200—116)

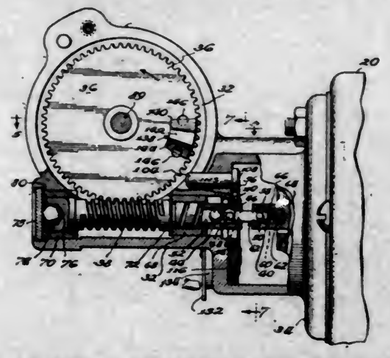
7. A circuit breaker comprising a movably mounted contact member, a handle operatively

connected to said contact member for moving said contact member between closed and open circuit positions, means biasing said contact member to an open circuit position independently of said handle when said contact member is held by said handle in said closed circuit position, a latch for holding normally said contact member in said closed circuit position against said bias when said handle is in said closed circuit position, a thermostat responsive to the current in said contact member for actuating said latch to release said contact member upon the occurrence of a predetermined high current



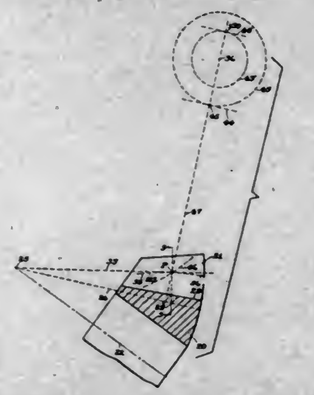
therethrough for opening movement independently of said handle, a second handle operatively connected to said contact member for moving said contact member to said closed circuit position irrespective of the position of said first handle and for holding said contact member in said closed circuit position even though said latch is released by said thermostat in response to a predetermined high current, and a normally open switch operated by said thermostat to short-circuit said thermostat in response to an excessive current through said contact member when said contact member is held in its closed circuit position by said second handle.

2,357,152
ELECTRIC WINDSHIELD WIPER
John B. Whitted, Glencoe, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 2, 1941, Serial No. 386,490
11 Claims. (Cl. 15—253)



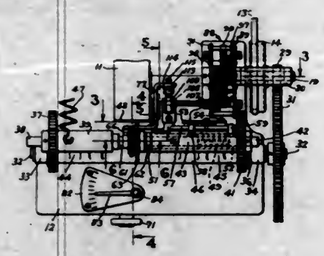
1. An electric windshield wiper for a vehicle having a battery, said wiper having wiper blades, an electric motor for driving said wiper blades, a manual switch for connecting said motor with said battery, a make and break switch operative in a circuit parallel with the circuit controlled by the manual switch, driving mechanism interposed between said motor and said wiper blades, said driving mechanism comprising in combination, a rotatable element driven by said motor, cranking means revolving with the rotatable element, linkage between said cranking means and said wiper blades, a camming member for operating said make and break switch, and braking means to stop the windshield wiper momentarily after said make and break switch has cut off the current to the motor, said braking means comprising a braking cam on said rotatable element, a brake shoe to engage said braking cam and means resilient to urge said brake shoe against said braking cam, said braking cam comprising a braking incline on the portion of the braking cam which first meets the brake shoe, a reverse slope on the side opposite the braking incline, and a flat dwell between said incline and said slope, said brake shoe having opposed surfaces complementary to said braking incline and said reverse slope, said braking means being inoperative to stop the windshield wiper when the motor is under power, but being operative to stop the windshield wiper when the power to the motor is cut off, said braking means being positioned in relation to said cranking means and said camming member to stop the wiper blades in a predetermined location.

2,357,153
METHOD OF CUTTING GEARS
Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Original application December 22, 1937, Serial No. 181,177, now Patent No. 2,267,181, dated December 23, 1941. Divided and this application October 9, 1940, Serial No. 360,437
37 Claims. (Cl. 90—9)



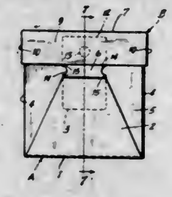
1. The method of producing a gear which comprises positioning a disc milling cutter, that has a plurality of radially disposed cutting blades whose corresponding side cutting edges have uniform profile curvature but varying inclination to a plane of rotation perpendicular to the axis of the cutter, in engagement with a gear blank, and cutting each tooth of the blank by rotating said cutter on its axis while producing a relative feed movement at a varying velocity between the cutter and blank longitudinally of the tooth in time with the cutter rotation so that successive blades of the cutter cut at progressively different points from one end of the tooth to the other during a revolution of the cutter, and indexing the blank periodically.

2,357,154
LENS GRINDING MACHINE
Paul Wilhelm, Waterbury, Conn.
Application April 17, 1943, Serial No. 483,471
12 Claims. (Cl. 51—101)



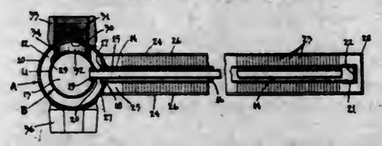
11. In a disc periphery-forming machine having operating means positioned to be engaged by the periphery of a disc to form a peripheral shape on the disc, means to support the disc for movement into and out of engagement with said operating means, intermittently operable driving means to rotate the disc, brake means arranged to control the intermittent action of said driving means, and mechanically operable means actuated by the contact of an unformed portion of the disc with said operating means to set the brake means and stop rotation of said disc.

2,357,155
CONTAINER
Benjamin M. Williams, St. Louis, Mo., and Fred L. Rushing, Tampa, Fla., assignors to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application January 18, 1943, Serial No. 472,658
1 Claim. (Cl. 229—35)



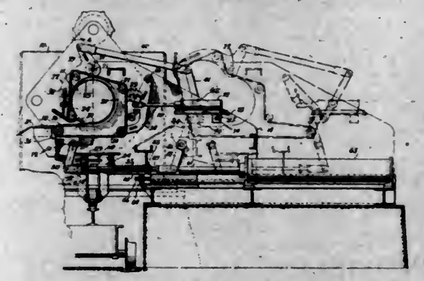
A container comprising a body and a cover therefor, said body comprising end walls including overlapped flaps with registering substantially rectangular openings therethrough and locking flaps that extend upwardly along the respective end walls and are bent inwardly through the openings therein and downwardly around the lower edges thereof, the ends of said cover having tabs depending therefrom that extend downwardly along the outer sides of said end walls and are bent inwardly through said openings and upwardly around the upper edges thereof, said openings being large enough to facilitate such bending of said body and cover flaps, withdrawal of said cover flaps from said openings and handling of said container by inserting the fingers in said openings, said openings have notches in the upper and lower corners thereof adapted to receive the inwardly bent body and cover locking strips, respectively, and space them far enough apart to provide clear spaces therebetween for the fingers.

2,357,156
RADIATOR
Donald P. Wilson, St. Louis Park, Minn., assignor to McQuay, Inc., Minneapolis, Minn., a corporation of Minnesota
Application March 2, 1942, Serial No. 433,035
2 Claims. (Cl. 257—146)



1. In a radiator, a return header, a supply header, one thereof being disposed within the other, tubes connected to the outer header and communicating therewith, tubes connected to the inner header and communicating therewith, said second named tubes extending into said first named tubes and communicating therewith, said outer header and said inner header having complemental openings in the side walls thereof, and a single connection joining said headers one to the other, said connection opening the interior of the inner header to the exterior of the outer header through said openings and comprising a tubular flange drawn from one of said headers about the opening therein and secured to the other of said headers at the marginal portion thereof about the opening therein, each header being free from the other, except through said connection, to contract and expand along its entire length and about its entire circumference.

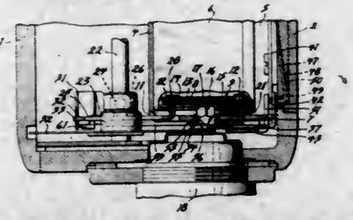
2,357,157
BELT WRAPPER
Frank J. Wood, Riverside, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 17, 1942, Serial No. 439,337
8 Claims. (Cl. 242—78)



1. A belt wrapper for strip metal comprising a frame, a wrapping arm pivoted on said frame and having a plurality of rollers thereon, a plurality of vertically and horizontally spaced rollers on said frame, a belt trained around said rollers on said arm and frame and adapted to be partially wrapped around a coiling block by said arm, means for positively moving said frame towards or away from said coiling block including a rectilinearly movable member, a rocking arm mounted on said frame and connected with said rectilinearly movable member, whereby movement of said frame is effected through said rocking arm, a linkage connection between said rocking arm and said wrapping arm, for moving said arm towards or away from said block, a yieldable member having operative connection with said linkage connection for holding said rocking arm from rock-

ing movement until a predetermined point is reached, as said rectilinearly movable member moves said frame towards said drum, to prevent said wrapping arm from moving in a direction to wrap said belt around said coiling block until said frame is properly positioned with respect to said coiling block.

2,357,158
PHOTOGRAPHIC CAMERA
John G. Zuber, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application May 8, 1943, Serial No. 486,171
10 Claims. (Cl. 88—17)



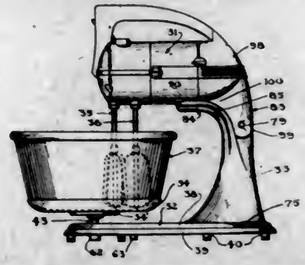
1. In a photographic camera, the combination with an enclosure forming a film magazine chamber and including a door movable out of closed position to provide access thereinto for the installation and removal of a film magazine, of a latch member operative to latch said door in closed position and movable into and out of latching position, a lock member operative to lock said latching member out of latching position and movable into and out of locking position, a spring member yieldably urging said lock member into locking position, abutment means operative between said door and lock member to position said lock member out of locking position with closure of said door and comprising a spring urged member, stop means operative to limit movement of said lock member out of locking position, and magazine light shutter actuating means under the control of said latch member and operative to actuate a light shutter of a film magazine in said chamber into open and closed positions respectively with actuation of said latch member into and out of latching position.

2,357,159
DOUBLE GAFF OR SPUR AS USED ON POLE CLIMBERS
Clyde Bennington, Ferndale, Mich.
Application May 7, 1943, Serial No. 486,021
1 Claim. (Cl. 227—27)



In a climbing hook or leg iron for a pole climber, a spur formed with twin points disposed side by side and of different lengths, whereby the shorter point will serve in case the longer one fails to hold.

2,357,160
TURNTABLE SLIDE SUPPORT
Sam Behar, Berwyn, Ill., assignor to A. F. Dormeyer Mfg. Co., Chicago, Ill., a corporation of Illinois
Original application October 6, 1938, Serial No. 233,541. Divided and this application July 12, 1941, Serial No. 402,204
4 Claims. (Cl. 259—84)



1. In an electric food mixer, the combination of a base with a motor driving unit having depending beating means, a turntable for supporting a bowl, a track below the base, a bearing carriage slidably mounted on the track below said base, means securing said carriage in the track and bearing the load of the weight carried by said carriage a bearing carried by said carriage, a trunnion carried by said turntable and rotatably mounted in said bearing, whereby a bowl carried by said turntable may be moved to any of a plurality of different positions with respect to said beating means.

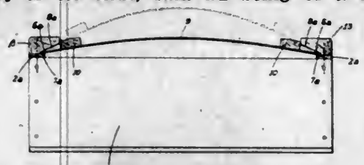
2,357,161
PAPER CUP
Cesare Barbieri, New York, N. Y., assignor to Dixie Cup Company, a corporation of Delaware
Application June 12, 1942, Serial No. 446,698
7 Claims. (Cl. 229—1.5)



1. As an article of manufacture, a conical paper drinking cup made from a convolutely wound blank, and a latching tab partially disposed within a convolution of the cup with the projecting part of said tab springing outwardly from the body of the cup for automatic engagement with a cup holder, said tab being knurled on one side to give it a permanent arc to increase its tendency to stand away from the body of the cup.

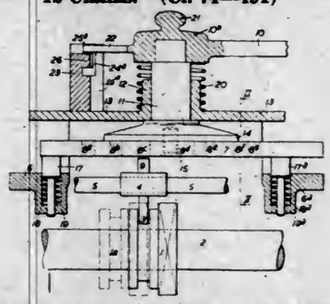
2,357,162
LUG BOX
Roswell P. Barbour, Lodi, Calif., assignor of one-half to Charles Beckman, Jr., Lodi, Cal'f.
Application January 11, 1943, Serial No. 471,926
1 Claim. (Cl. 217—40)

A lug box and lid assembly comprising a box including spaced end members, transverse horizontal grooves being formed in facing relation at the ends of the box adjacent the upper edges thereof, and a vertically flexible and resilient lid having rigid cross cleats thereon adjacent but short of its ends, said lid being of a length



greater than the distance between said end members, and said cleats being positioned to engage said end members when the ends of the lid are seated against the bottom of corresponding grooves.

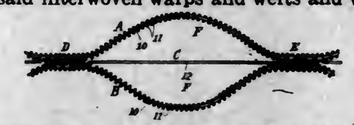
2,357,163
STEP-BY-STEP CONTROLLING MECHANISM
Guy Barrett, Market Harborough, England, assignor to Wycliffe Foundry & Engineering Co. Limited, Lutterworth, England, a British company
Application June 3, 1943, Serial No. 489,549
In Great Britain June 9, 1942
12 Claims. (Cl. 74—491)



1. A step-by-step controlling mechanism comprising, in combination, a part adapted to be moved step-by-step to predetermined positions, a selector having a series of formations which correspond with the said positions and are adapted for interengagement one at a time with a complementary formation on the said movable part, the selector and the said part being arranged for relative approaching and receding movement as well as for movement to the required predetermined extents, means for effecting the said relative movement, means for shifting the selector from one position to another, and means for limiting the shift of the selector to that required to move the said part from one position to the next, said means being also adapted to permit of engagement of the said part and the selector prior to shifting and to permit of disengagement of the part and selector after shifting.

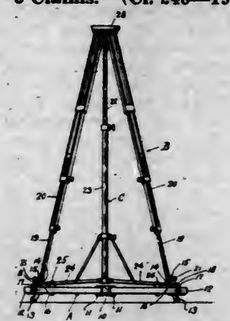
2,357,164
BLANKET
Gustav Berg, Glasgow, Scotland, assignor of one-half to Eric Low-Beer, "Sunnyside," Melrose, Roxburghshire, England
Application August 12, 1942, Serial No. 454,538
In Great Britain September 13, 1941
4 Claims. (Cl. 139—410)

1. A blanket or like fabric comprising two outer fabric layers each composed of interwoven warps and wefts of loose bulky blanket-material which layers are interconnected by being woven together along intersecting sets of lines forming between said layers a multiplicity of pockets, in combination with an intermediate layer consisting solely of warps of binding-yarn material which are substantially tensioned in comparison with said interwoven warps and wefts and which



interweave with the wefts of both of said outer layers at said lines of intersection and which when the blanket is extended take the strain and stretch taut across the loose pocket-forming outer layers said intermediate-layer warps serving to space said outer layers apart from said intermediate-layer warps and provide air pockets at both sides of the intermediate layer.

2,357,165
TRIPOD BASE
Henry Brady, Beckley, W. Va.
Application February 9, 1944, Serial No. 521,677
3 Claims. (Cl. 248—194)



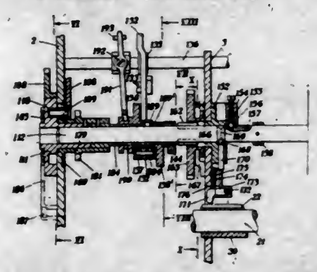
1. A device of the kind described, comprising a center hub, arms hinged to the hub and adapted to spread radially therefrom and also foldable with respect thereto, swiveled casters fitting the arms at their outer ends, and leg stirrups carried by the arms for receiving the legs of a tripod.

2,357,166
HAND SANDING MACHINE
James L. Brickley, Spokane, Wash., assignor of one-third to Sidney Orr Wheeler, Hamilton, Mont., and one-third to Leslie Terrence Wheeler, Spokane, Wash.
Application February 14, 1944, Serial No. 522,299
3 Claims. (Cl. 51—187)



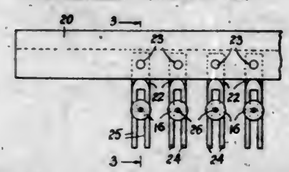
3. A sand paper holder comprising a body, a member disposed above the upper surface of the body and having lower inclined surfaces, and rollers having rolling movement between the inclined surfaces and the upper surface of the body, the rollers cooperating with the upper surface of the body to form sand paper grips.

2,357,167
CALCULATING MACHINE
Daniel Broido, Cockfosters, near Barnet, England
Application February 9, 1942, Serial No. 430,071
In Great Britain April 24, 1941
2 Claims. (Cl. 235—60)



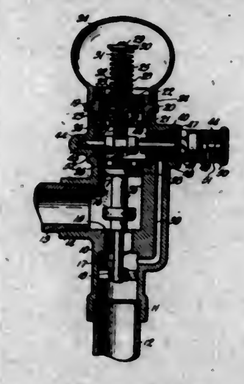
1. In a calculating machine comprising axially shiftable rotary set-up mechanism and, value-entering means axially fixed, result registering mechanism adapted to be actuated by said value-entering means, and axially fixed printing mechanism, a main driving shaft, bearings in which the main driving shaft is rotatably and shiftably mounted, an operating handle operatively connected to said main driving shaft by means of which said shaft may be rotated and shifted axially, an axially fixed gear wheel loosely mounted on said main driving shaft, an axially fixed gear wheel in permanent mesh with said loosely mounted gear wheel and adapted to be driven thereby to rotate said value-entering means in any axial position thereof, actuator means for operating said printing mechanism to effect the printing operation and means for limiting the extent of axial shift of said shaft in either direction to bring the shaft into one of two operating positions, in one of which the shaft is coupled to said loosely mounted gear wheel to drive said rotary value-entering means and in the other of which the shaft is coupled to said actuator means to operate said printing mechanism to effect the printing operation.

2,357,168
WIRE-ENAMELING APPARATUS
Carl Bruining, Muskegon, Mich., assignor to Anaconda Wire and Cable Company, a corporation of Delaware
Application May 19, 1942, Serial No. 443,569
4 Claims. (Cl. 91—53)



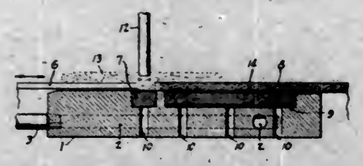
4. In a wire-enameling apparatus, the improvement which comprises a plurality of dies for passing the enameled wire therethrough, a supporting member, a plurality of forked die-holding members pivotally connected to the supporting member with the fork prongs in a depending position, each die having a rounded bearing surface and each prong having a long bearing surface against which the rounded bearing surface of the die is held by the wire when it is pulled through the die whereby the die may adjust itself to irregular movement of the wire.

2,357,169
VALVE
Roy S. Budd, Slater, Mo.
Application November 13, 1941, Serial No. 418,935
11 Claims. (Cl. 137—139)



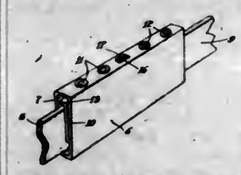
1. A valve comprising a body having an internal chamber provided with spaced inlet and outlet ports, a main valve mounted at one side of the inlet port to open and close the outlet port, said main valve having an enlarged head portion at the opposite side of the inlet port and in slight circumferentially spaced relation with the chamber wall to provide a pressure surface against which the fluid in the chamber may react to open the valve and a restricted space through which the fluid may flow into the proximate end of the chamber, a bypass of restricted dimensions communicating between the said proximate end of the chamber and the body at the discharge side of the main body, externally operated valve means normally closing the said bypass, and means for locking the externally operated valve in the open position, said means being automatically responsive to reduction of pressure in the mentioned proximate end of the chamber to move to the valve locking position.

2,357,170
ARC WELDING CHILL
Albert W. Burggraf, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 3, 1940, Serial No. 350,371
3 Claims. (Cl. 219—17)



1. An arc welding chill comprising a water cooled block of a heat conducting material, a removable plug of heat conducting material set into the block directly beneath the arc in good thermal contact with the block and adapted to be readily removed and replaced when worn by the heat of the arc, and a metallic insert set in the block with its upper surface below the level of the upper surface of the block and extending in the direction of the welded seam trailing the arc.

2,357,171
BUS BAR CONNECTING CLAMP
Elmer T. Carlson, Wyoming, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application April 13, 1943, Serial No. 482,859
4 Claims. (Cl. 287—65)

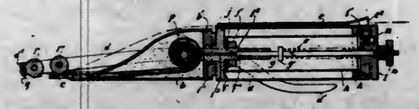


2. A rigid connecting sleeve having a flat passage to receive bus bars, a single clamp plate slidable edgewise in said passage and having tapered projecting ribs on one face and clamp screws in opposite ends of said sleeve for forcing said plate edgewise in said passage to clamp the bars therein and means for limiting longitudinal movement of said plate in said passage.

2,357,172
MONO-GLYCOSIDES OF 2-METHYL-1,4-NAPHTHOHYDROQUINONE
Gustaf H. Carlson, Pearl River, and Bernard R. Baker, Nanuet, N. Y., assignors to Lederle Laboratories, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 1, 1941, Serial No. 417,473
3 Claims. (Cl. 260—210)

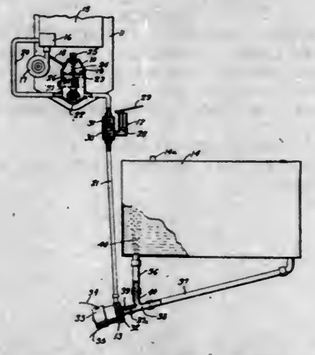
1. A method for preparing a mono-glycoside of 1,4-dihydroxy-2-methylnaphthalene which comprises preparing an acetoxy-2-methyl naphthyl glycoside polyacetate by reacting an aceto bromo sugar in chloroform with the mono-acetate of 2-methyl-1,4-hydroquinone in acetone and in the presence of an alkali metal carbonate under anhydrous conditions, and subsequently deacetylating the acetoxy-2-methyl naphthyl glycoside polyacetate by boiling with methanol containing dissolved sodium.

2,357,173
STRIP AFFIXING DEVICE
Francis Joseph Connolly, London, England
Application November 19, 1942, Serial No. 466,229
In Great Britain November 20, 1941
9 Claims. (Cl. 216—33)



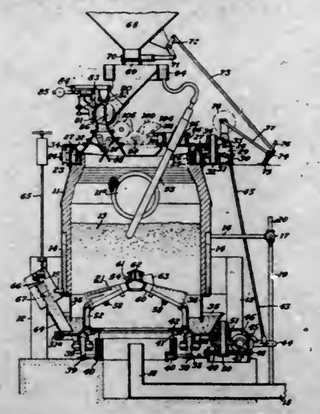
6. Appliance for affixing adhesive strip comprising a nozzle device, a wick housed within said nozzle device and extended through the orifice thereof, a liquid reservoir formed to serve as a hand grip, coupling means detachably connecting said reservoir with said nozzle device and formed with an intercommunicating water duct, strip guiding means mounted on said reservoir, a two-armed lever pivotally mounted on said nozzle device and having one of its arms extended as a handle beneath said reservoir, and strip presssing means mounted on the other arm of said lever so as to be operative just beyond the orifice of said nozzle device.

2,357,174
FUEL PUMPING SYSTEM
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application September 5, 1941, Serial No. 409,646
17 Claims. (Cl. 158—36.3)



1. In a fuel delivery system having a vented fuel tank with a pair of outlet openings and a fuel delivery pipe, a booster pump in said delivery pipe at a level below the tank, a fuel conduit from said booster pump to one of the outlet openings in said tank, and a second fuel conduit from another of the outlet openings in said tank and connected to said first conduit between said one outlet opening and said booster pump.

2,357,175
FUEL-FEEDING MEANS FOR GAS PRODUCERS
Reinhardt Daae, Youngstown, Ohio
Original application January 27, 1939, Serial No. 253,081. Divided and this application July 7, 1942, Serial No. 450,019
2 Claims. (Cl. 214—35)

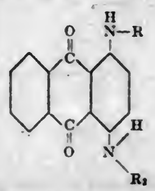


1. In a gas producer, a generally cylindrical body providing a combustion chamber adapted to contain a fuel bed, a cover on said body, means for effecting relative rotation between the body and cover, an opening in said cover for admitting fuel to said chamber, a pair of chutes below said opening, said chutes sloping in opposite directions generally radially of said body and being spaced apart whereby a portion of the fuel

delivered through said opening falls between said chutes directly onto said fuel bed intermediate the center and periphery thereof, and other portions of the fuel striking said chutes are diverted toward the center and periphery of said bed, respectively.

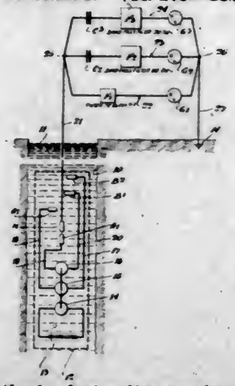
2,357,176
ANTHRAQUINONE COMPOUNDS
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 19, 1940, Serial No. 361,975
5 Claims. (Cl. 260—379)

1. Anthraquinone compounds having the general formula:



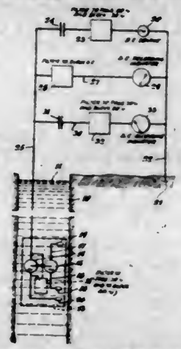
wherein R represents a member selected from the group consisting of a $-CH_2CH_2OCH_2CH_2OH$, a $-CH_2CH_2-O-CH_2CH_2-O-CH_2CH_2OH$ and a $-CH_2CH_2-O-CH_2CH_2-O-R_1$ group, wherein R_1 represents an unsubstituted alkyl group, and R_2 represents an unsubstituted alkkyl group.

2,357,177
METHOD AND APPARATUS FOR CONDUCTING DIFFERENT INVESTIGATIONS SIMULTANEOUSLY IN BOREHOLES
Henri Georges Doll, Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application December 12, 1939, Serial No. 308,767
In France December 16, 1938
13 Claims. (Cl. 175—182)



11. A method of simultaneously investigating electrical characteristics at different depths of investigation of the formations surrounding a bore hole, comprising the steps of simultaneously generating in the bore hole a plurality of alternating currents of different frequencies, passing all of said generated currents through the adjoining formations by applying them to the formations in such a way as to be differently affected by electrical characteristics of the formations at different depths of investigation, obtaining electrical values from said respective currents resulting from their passage through said formations, which values are functions of the electrical characteristics of the formations at different depths of investigation, respectively, combining said electrical values, applying said combined electrical values to a single electrical circuit, and obtaining therefrom at the surface of the earth, separate simultaneous indications of said electrical values.

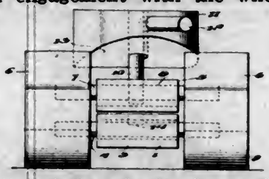
2,357,178
METHOD AND APPARATUS FOR INVESTIGATING BOREHOLES
Henri Georges Doll, Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application December 13, 1939, Serial No. 308,942
In France December 16, 1938
11 Claims. (Cl. 175—182)



9. A method of simultaneously investigating electrical characteristics at different depths of investigation of the formations surrounding a bore hole, comprising the steps of generating electrical current of given character at the surface of the earth, transmitting said current of given character through a single electrical circuit to a given location in the bore hole, converting said current of given character at said location to a plurality of alternating currents of different frequencies which are different in character from said current of given character, simultaneously passing all of said converted alternating currents of said different frequencies through the adjoining formations by applying them to the formations in such a way as to be differently affected by electrical characteristics of the formations at different depths of investigation, obtaining electrical values from said respective currents of different frequencies resulting from their passage through said formations, which values are functions of the electrical characteristics of the formations at different depths of investigation, respectively, combining said electrical values, applying said combined electrical values to said single electrical circuit, and obtaining therefrom at the surface of the earth separate simultaneous indications of said electrical values.

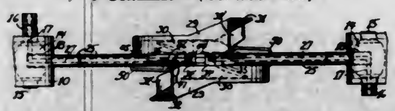
2,357,179
TOY
Frederick J. Ebeling, Staunton, Va.
Application November 23, 1943, Serial No. 511,445
7 Claims. (Cl. 46—201)

1. A wheeled toy including two superposed unconnected units each having a rigid member provided with a plurality of wheels on opposite sides thereof, the wheels of each unit being in frictional engagement with the wheels of the



other unit and the wheels of one of said units being arranged to overlap opposite sides of the rigid member of the other unit for preventing relative lateral movement of said units.

2,357,180
AUTOMATIC AIR COUPLER
James G. Edwards, Wilkes Barre, Pa., assignor to Caleb M. Edwards, Glencoe, Ill.
Substituted for abandoned application Serial No. 680,028, July 12, 1933. This application May 6, 1941, Serial No. 392,054
6 Claims. (Cl. 285—58)

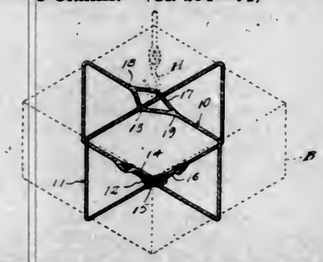


3. In a support for a pipe coupling arm, means for holding said arm in position and allowing lateral movement only when coupled comprizing a housing having a curved wall provided with a slot increasing in width toward the bottom thru which said arm extends.

2,357,181
PREPARATION OF SULPHANILYLAMINOGUANIDINES
Herman E. Faith, Stamford, and Philip S. Winnek, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 31, 1942, Serial No. 453,101
12 Claims. (Cl. 260—397.7)

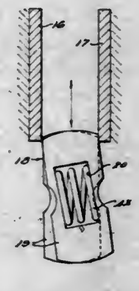
1. The process of producing an acyl sulphanilylaminoguanidine which comprises reacting a salt of a carboxylic acid acylsulphanilyl cyanamide with a salt of hydrazine.

2,357,182
SLING
George G. Farmer, Washington, D. C.
Application January 13, 1944, Serial No. 518,147
3 Claims. (Cl. 294—74)



1. A sling comprising a pair of crossed cords spliced together at their crossing point, coupling means at the ends of said cords, and a cross cord spanning said crossing point and spliced at its ends to one of said crossed cords whereby said cord will be tightened about an article as the latter is lifted.

2,357,183
SWITCH
William H. Frank, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application October 20, 1943, Serial No. 506,967
6 Claims. (Cl. 200—164)



1. For bridging two stationary contacts, a movable contact mounted to slide between them comprising a plate arranged so that its edges only engage the stationary contacts, and spring means arranged to bias the plate to rotate so that diagonally opposite edge portions of the plate are spring pressed against both stationary contacts when the movable contact is at rest between the stationary contacts, but, when the movable contact is at rest away from the stationary contacts, the transverse distance between the said two diagonally opposite edge portions of the plate is greater than the space between the stationary contacts.

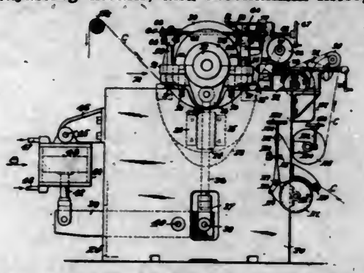
2,357,184
FUEL FOR MOTOR VEHICLES
Jean Leon Maurice Frejacques, Paris, France; vested in the Alien Property Custodian
No Drawing. Application April 7, 1942, Serial No. 438,045. In France October 21, 1940
2 Claims. (Cl. 44—52)

1. A fuel for internal combustion engines consisting of liquid ammonia with a partial vapor pressure of approximately ten kilograms per square centimeter at 25° C. and containing from three to twenty per cent by weight of dissolved acetylene.

2,357,185
ROTARY CLOTH FINISHING PRESS
David Gessner, Worcester, Mass.; Gertrude C. Gessner, executrix of said David Gessner, deceased, assignor to David Gessner Company, Worcester, Mass., a corporation of Massachusetts
Application December 16, 1940, Serial No. 370,328
3 Claims. (Cl. 38—59)

1. A cloth finishing press comprising a rotated pressing cylinder, a non-rotated ironing member underlying said cylinder, hydraulic means to raise and lower said cylinder and to increase the ironing pressure relative to said ironing member, means at both ends to limit the ap-

proach of said cylinder to said ironing member, an adjusting means, and mechanism interposed



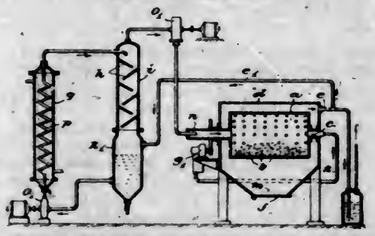
between said adjusting means and said limiting means to simultaneously adjust said limiting means at both ends of said cylinder.

2,357,186

METHOD AND APPARATUS FOR COOLING AND DRYING ACETYLENE

Ernst Gfeller, Prattein, near Basel, Switzerland; vested in the Alien Property Custodian

Application April 20, 1943, Serial No. 483,828
In Switzerland March 17, 1942
7 Claims. (Cl. 48—4)



1. In the dry production of acetylene from calcium carbide by reaction with a minor excess of water, the method of controlling the temperature and humidity of the reaction which consists in drawing off a portion of the hot humid acetylene gas from the reaction chamber, cooling this portion to condense water vapor, separating the condensate from this gas portion and returning the gas portion to the reaction zone.

2,357,187

PROCESS FOR THE MANUFACTURE OF HYDROPHILIC POLYMERIZATION PRODUCTS OF THE SUPERPOLYAMIDE TYPE

Max Hagedorn, Dessau, Germany; vested in the Alien Property Custodian

No Drawing. Application September 5, 1940, Serial No. 355,455. In Germany July 18, 1939
2 Claims. (Cl. 260—78)

1. Process for the manufacture of hydrophilic synthetic linear polyamides which comprises heating hexamethylenediamine sebacate together with glycocolethylester hydrochloride in substantially equal molar proportions, until condensation occurs.

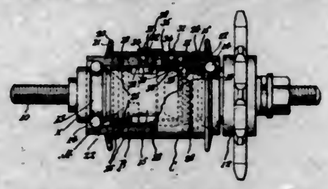
2,357,188

HUB FOR COASTER BRAKES

John M. English, Norwich, Conn.

Application July 1, 1943, Serial No. 493,087
3 Claims. (Cl. 301—106)

1. In a hub of the character described, a hardened shell member having a generally cylindrical periphery provided to each side of the central portion thereof with a pair of annular, longitudinally extending, relatively short teeth projecting beyond the periphery of the shell member, and a groove between each pair of rings of teeth; and a pair of sheet metal sleeves each provided at its extreme end with an outwardly



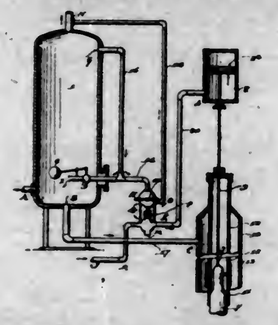
extending, pierced flange, said sleeves being of substantially the same internal diameter as the external diameter of said shell so that they will closely fit thereabout when driven thereon and said teeth are embedded in the internal walls of the sleeves, said sleeves having beads or corrugations respectively fitting in said grooves.

2,357,189

FLOW REGULATION APPARATUS FOR BRINE INJECTION WELLS

Ransome W. Erwin, Tyler, Tex., assignor to Salt Water Control, Inc., Fort Worth, Tex.

Application June 8, 1942, Serial No. 446,193
13 Claims. (Cl. 166—1)



10. A device of the character described comprising an upright tubing having a valve seat therein, a weighted plunger adapted to reciprocate in said tubing, including a reduced end portion adapted to fit said valve seat to close the same, and having an enlarged body portion frictionally engaging the wall of the tubing to thereby exert a braking effect on the travel of the plunger, and means including a flexible cable attached to the upper portion of the plunger for raising the plunger.

2,357,190

COPPER BASE ALLOYS

Frank Charles Evans, Farnham Common, England, assignor to Langley Alloys Limited, Langley, England

No Drawing. Application December 9, 1941, Serial No. 422,295. In Great Britain April 16, 1940
3 Claims. (Cl. 75—159)

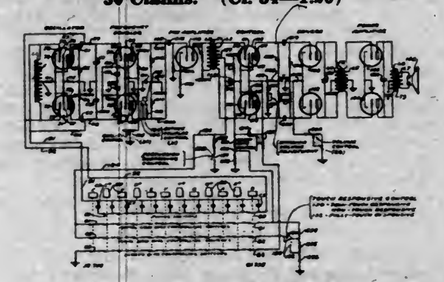
1. Copper base alloys hardenable by heat treatment containing from 0.5% to 5% nickel, from 0.1% to 1.25% silicon, from 0.05% to 0.5% cerium, and from 93% to 99% copper.

2,357,191

ELECTRICAL MUSICAL INSTRUMENT

John M. Hanert, Wilmette, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware

Application May 29, 1941, Serial No. 395,754
30 Claims. (Cl. 84—1.26)



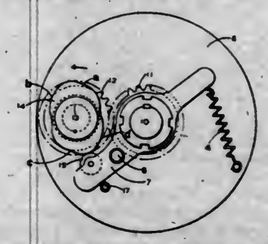
1. In an electrical musical instrument, means for controlling the transmission of the tone signal comprising, a pair of electron discharge devices of the remote cutoff type, each having a control grid, a cathode, a second grid, and a plate; a circuit impressing the tone signal on the control grids of said devices in push-pull manner; a condenser connecting the cathodes of said devices to the control grids thereof; a first circuit normally maintaining a direct current potential on said control grids of such value that said devices are substantially cut off; a normally ineffective second circuit for increasing the direct current potential on said control grids; a high impedance third circuit capable of increasing the direct current potential on said second grids to their normal operating voltage; a low impedance fourth circuit normally rendering said third circuit ineffective and maintaining said second grids at direct current potentials of value such that said devices are cut off; three normally closed switches respectively in said first, second and fourth circuits, a playing key operable to open the switch in said first circuit and after an interval determined by its velocity of operation to open the switches in said second and fourth circuits.

2,357,192

METHOD OF PRODUCING RELIEF IN SCREW THREADS

Stanley Jaffa Harley and John Ernest Wainwright, Coventry, England

Original application March 11, 1941, Serial No. 382,818, now Patent No. 2,309,313, dated January 26, 1943. Divided and this application January 29, 1942, Serial No. 428,776. In Great Britain March 2, 1940
3 Claims. (Cl. 76—101)



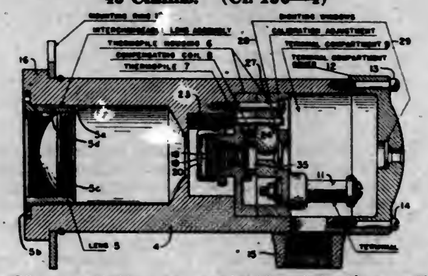
1. The method of producing relief in a screw-threading tool having a plurality of lands and intervening flutes alternating around the axis thereof, which method consists in rotating said tool about its axis with its external peripheral surface in engagement with a cutter and causing relative axial movement between said cutter and tool at a constant rate of speed while progressively accelerating the normal speed of rotation of the tool during a thread forming operation on the lands thereof by said cutter in one revolution of the tool and in subsequently progressively decelerating said speed of rotation during a thread forming operation on said lands by said cutter in the immediately next succeeding revolution of the tool.

2,357,193

RADIATION PYROMETER

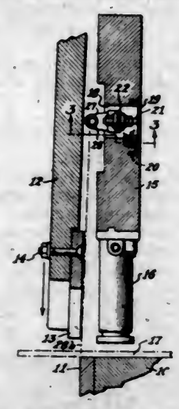
Thomas R. Harrison, Wyncote, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 24, 1941, Serial No. 412,071
43 Claims. (Cl. 136—4)



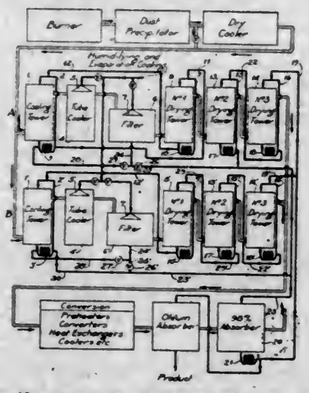
26. A radiation pyrometer for detecting radiation including a thermopile having a radiation receiver and a plurality of cold junctions, a first housing for said thermopile comprising a mass of material having high thermal conduction characteristics to insure uniformity of temperature throughout said housing, the cold junctions of said thermopile being positioned in close thermal contact with said housing whereby the temperature of the cold junctions is maintained substantially the same as that of said housing irrespective of heat conducted thereto from the radiation receiver of said thermopile, said first housing having a small chamber formed therein in which the radiation receiver is arranged out of direct physical contact with said housing and having an opening through which the radiation to be detected passes into said chamber to said radiation receiver, a resistance connected in circuit with said thermopile and having a temperature coefficient of resistance in close thermal conducting relation with said inner housing to compensate for variations in ambient temperature to which said structure is subjected, a lens, a second housing for said thermopile in which said lens is mounted to focus the radiation to be detected upon said radiation receiver and in which a binding post compartment is provided, said second housing having high thermal conduction characteristics and surrounding said first housing being in good thermal contact therewith to insure equality of temperature between said lens and said thermopile, an adjustable diaphragm in good thermal conductive relation with said housings to vary the irradiation of said radiation receiver as required to effect the desired calibration adjustment of said pyrometer, binding posts connected to said thermopile and disposed in said binding post compartment in good thermal conductive relation with said first housing, and means for attaching a conduit to said second housing.

2,357,194
GAUGING DEVICE
Merrill W. Hazelton, Cincinnati, and Ralph S. Diserens, Mount Healthy, Ohio, assignors to The Cincinnati Shaper Company, Cincinnati, Ohio, a corporation of Ohio
Application January 13, 1942, Serial No. 426,644
4 Claims. (Cl. 164—47)



3. In combination with a shear or the like, optical means for indicating the position of the cutting edge on a work piece and means for mounting said optical means in a shockproof manner, said last mentioned means comprising a stud fixed to the frame of the machine, a bracket having a rubber core fitting over said stud and rubber washers bearing against said bracket from both sides and means for holding said washers in position on said stud.

2,357,195
CONTACT PROCESS FOR MANUFACTURING SULPHURIC ACID
Carl V. Herrmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 8, 1941, Serial No. 392,455
4 Claims. (Cl. 23—175)



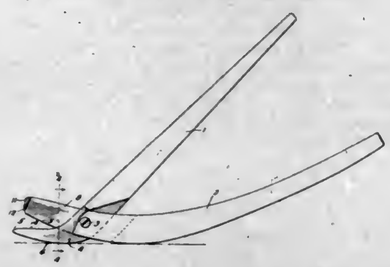
3. In the manufacture of contact sulphuric acid by a contact process from burner gas containing impurities the steps of cooling and humidifying said burner gas until a dilute acid is condensed, said cooling and humidifying including passing the burner gas through a cooling tower over which is continuously circulated an acid of at least 55° Bé. strength in a circuit including an external cooler while the burner gas is still hot enough to concentrate said acid in its passage through the tower, separating said dilute acid from said burner gas, drying the burner gas by passing the humidified burner gas into a drying tower over which is circulated dilute drying acid in an external circuit including a cooler whereby part of the water contained in the humidified burner gas is transferred to the dilute drying acid, withdrawing the make from said drying tower and introducing it into the acid circulated over the cooling tower and withdrawing the make of said cooling tower and introducing it into the system at a point subsequent to the humidifying of the burner gas.

2,357,196
CAGE FOR USE IN BALL BEARINGS
Frederick Osgood Hickling, West Bridgford, Nottingham, England, assignor to Ransome and Marles Bearing Company Limited, Newark-on-Trent, Nottingham, England, a British company
Application March 27, 1942, Serial No. 436,523
In Great Britain August 6, 1940
10 Claims. (Cl. 308—201)



1. A cage for use in ball bearings of the type including an inner race, an outer race, and balls cooperating with said races, said cage including a unitary member having ball spacing elements to cooperate with and space the balls and locking members forming relatively movable parts of said elements to have endwise abutment against one of the races of the bearing.

2,357,197
SHEARING DEVICE
Arthur James Hood, Reno, Nev.
Application November 20, 1943, Serial No. 511,145
4 Claims. (Cl. 30—258)

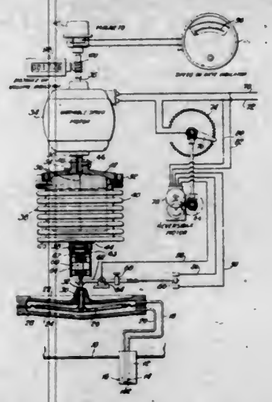


1. Shearing device comprising pivoted members providing handle and jaw parts, the jaw part of one member slotted to form a U-shaped cutting edge, the jaw part of the other member arranged to partially enter the slot of the slotted jaw part, and having an upper face adapted to shearingly cooperate successively with parts of the U-shaped cutting edge.

2,357,198
SINTERING
William C. Hoocy, South Orange, N. J., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 20, 1942, Serial No. 431,665
4 Claims. (Cl. 75—5)

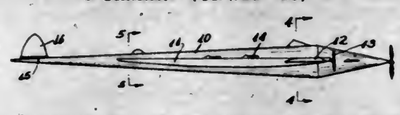
1. In a sintering operation in which a blast of oxidizing gas is passed through a non-agglomerated pervious solid metal-bearing charge having an oxidizable constituent distributed therein to burn this constituent and heat the charge to a high temperature with resultant agglomeration of the particles of the charge to form a sinter, the improvement which comprises forming a series of fine intercommunicating pores in the charge as the sintering progresses by incorporating in and distributing throughout the charge prior to heating a finely divided water-swollen argilloid substance, said substance being selected from the group consisting of bentonite and saponite characterized by the capacity of imbibing water freely with pronounced swelling at room temperature and pronounced shrinkage upon the evaporation of the imbibed water, and heating the charge to the high temperature of the sintering operation and thereby evaporating the water imbibed in swelling the argilloid substance and shrinking the substance with the resultant formation of a series of fine intercommunicating pores throughout the charge.

2,357,199
SHIP'S SPEED INDICATOR
Knute Arnold Holst, Astoria, N. Y., assignor to Pitometer Log Corporation, New York, N. Y., a corporation of New York
Application April 5, 1943, Serial No. 481,928
3 Claims. (Cl. 73—205)



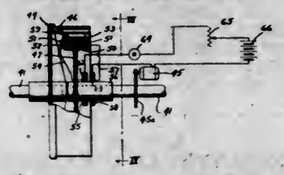
1. In apparatus of the character described means for producing a force indicative of the flow of a fluid to be measured, a variable speed motor, a liquid containing bellows driven by said motor and axially expansible due to centrifugal force acting on the liquid when the bellows is revolved, means for causing force produced by expansion of said bellows to oppose the force produced by the first mentioned means, regulating means for controlling the speed of operation of said motor to balance the opposed forces and speed responsive indicating means responsive to the speed of operation of said motor.

2,357,200
AIRCRAFT
Campbell Hollingsworth, New York, N. Y.
Application September 23, 1943, Serial No. 503,475
5 Claims. (Cl. 244—13)



1. In an airplane, a fuselage, hollow strip-like members mounted upon the sides of said fuselage and having slots at different elevations extended inwards from their back ends, front wings mounted upon the front portions of said members, back wings slidably mounted through certain of said slots and engageable in the other of said slots, and resilient means releasably holding said back wings in position.

2,357,201
DRIVE FOR PAPERMAKING MACHINES
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application May 8, 1941, Serial No. 392,442
5 Claims. (Cl. 92—38)

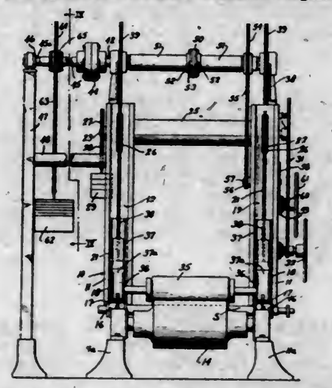


1. A drive assembly for a paper making machine having a drier cylinder and a press roll, which comprises a prime mover directly coupled to the drying cylinder for rotating the same, an armature drum driven by said prime mover, a magnetic spider and coil driven by said armature drum, means coupling said magnetic spider and coil with the press roll, a direct current circuit for energizing the coil of said magnetic spider, an electrical governor controlled by the speed of rotation of said spider for directly regulating the degree of energization of the coil whereby any desired amount of driving energy from the prime mover can be supplied to the press roll and the speed of the press roll is automatically maintained in constant coordinated relation to the speed of the drying cylinder for imparting a desired degree of tension to a sheet of paper passing between the press roll and the drying cylinder.

2,357,202
APPARATUS FOR WINDING WEB MATERIALS
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application July 8, 1942, Serial No. 450,150
24 Claims. (Cl. 242—66)

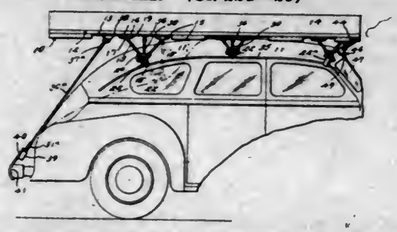
3. A web winding machine comprising a pair of spaced opposed end frames, bearing supports mounted on top of said end frames, a tubular member extending between said end frames and rotatably mounted in said bearing supports, sprockets secured on said tubular member near the ends thereof, chains trained around said sprockets, a rider roll assembly on said machine, means connecting said chains to said rider roll

assembly, means for rotating said tubular means to raise and lower the rider roll assembly, a counterweight shaft extending into said tubular means, means securing said shaft to the tubular means at a point midway between the sprockets, a shiftable sprocket on said counterweight shaft,



means for eccentrically adjusting the sprocket on the shaft, a chain secured on said shiftable sprocket, and a counterweight supported by said chain whereby said counterweight will act through the shiftable sprocket and sprocket shaft to apply equal turning torque to each of the first mentioned sprockets.

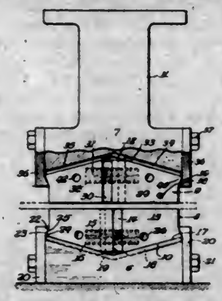
2,357,203
MOTOR VEHICLE TOP CARRIER
Earl F. P. Jimmes, Milwaukee, Wis.
Application September 4, 1941, Serial No. 409,575
2 Claims. (Cl. 224—29)



1. A structure of the class described comprising a carrier body, supporting legs pivoted thereto and depending therefrom, sleeves pivoted to the lower ends of said legs, foot members to rest on the upper surface of the motor vehicle top, said foot members having lugs between which the sleeves are disposed, and means to limit swinging movement of the legs relatively to the body connected to the latter and having portions mounted in the lugs and passing through the sleeves to form journals for the latter.

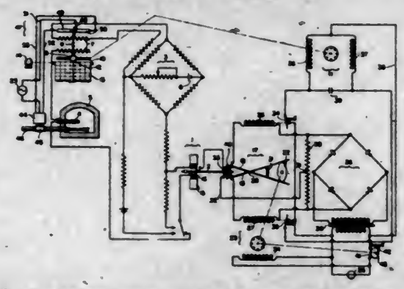
2,357,204
SHEET METAL SHRINKING MACHINE
George F. Joyner, Norwalk, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application March 29, 1943, Serial No. 480,989
11 Claims. (Cl. 78—61)

8. A machine designed for use in shrinking a piece of sheet metal and embodying a supporting member having a pair of adjoining inwardly convergent cam surfaces and provided with elements disposed adjacent and projecting beyond the outer edges of the cam surfaces and having undercut inner faces, and a composite jaw associated with the supporting member and comprising a pair of side by side jaw sections having cam surfaces in sliding engagement with the cam surfaces of the supporting member, respectively, adapted when urged in the direction of the member to move towards one another as the result



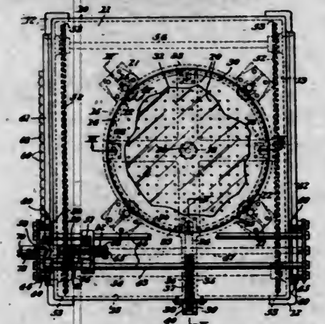
of the coaction of the various cam surfaces, provided between them with spring means for urging them apart, and embodying on the outer portions thereof and in opposed relation with the elements angularly disposed faces adapted in response to outward movement of the jaw sections by spring means to fit flatly against said undercut faces of the elements and coact therewith releasably to hold the jaw sections in connected relation with the member.

2,357,205
MEASURING AND CONTROL APPARATUS
Earl A. Keeler, Norristown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 16, 1940, Serial No. 365,866
16 Claims. (Cl. 171—95)



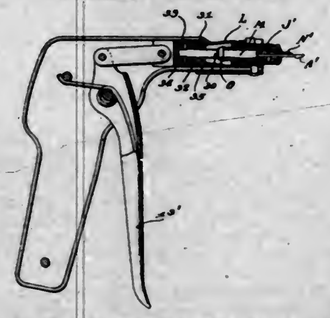
1. A system comprising a normally balanced electrical network, means for producing an unbalanced electromotive force in said network, a device adjustable to reduce said unbalanced electromotive force, motive means for adjusting said device, a device responsive to the state of balance of said network, said last mentioned device having a deflectable member which when said network is balanced assumes a predetermined position and upon unbalance of said network deflects away from said position, reciprocating members disposed on opposite sides of said deflectable member and adapted to engage said deflectable member when the latter is deflected from said predetermined position to return said deflectable member to said position, an electrical circuit adapted to be energized through contact of said deflectable member with said reciprocating members, means included in said circuit adapted to be selectively energized upon contact of said deflectable member with said reciprocating members to control said motive means, additional means operative upon contact of said deflectable member with said reciprocating members to increase the contact pressure therebetween to thereby ensure positive energization of said electric circuit, and means independent of said deflectable member and operated in synchronism with said reciprocating members to deenergize said electrical circuit before said deflecting member and said reciprocating members are separated.

2,357,206
APPARATUS FOR SCORING COVER GLASS
Norman H. Kiages, Pittsburgh, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 14, 1942, Serial No. 434,730
5 Claims. (Cl. 33—32)



1. In an apparatus for scoring glass sheets, a table for supporting a sheet, a carriage movable across said table, a slide movable along said carriage, a scoring tool mounted on said slide adapted to engage a sheet on said table, and means mounted on the carriage and adapted to be released by said slide, for locking said carriage in a plurality of predetermined positions along its path.

2,357,207
FASTENER APPLYING TOOL
Harold W. Kost, Birmingham, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application September 6, 1943, Serial No. 501,401
2 Claims. (Cl. 29—270)



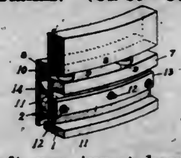
1. A tool for applying a fastener provided with a spring tensioned pin reciprocable in a housing having an external shoulder, said tool comprising a frame providing a guideway, one end of said frame providing a trough-like portion, a plunger reciprocable in said guideway, means for actuating said plunger, said plunger having a pin-like projection, a cup-shaped fastener engaging member having a central aperture through which said pin-like projection is slidable, a spring between said plunger and said cup-shaped member, and a shoulder in the region of said trough-like portion against which the shoulder on the fastener is adapted to abut with the spring-tensioned pin of the fastener facing the plunger whereby the pin is advanced against the spring tension upon advancing movement of the plunger.

2,357,208
RAZOR BLADE STACK
Leopold Kuhnl, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application September 26, 1940, Serial No. 358,452
7 Claims. (Cl. 206—46)



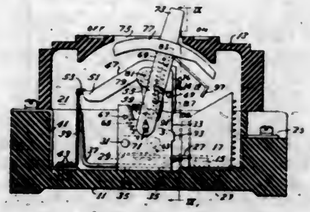
1. For use in loading a razor blade magazine of the type in which blades are ejected therefrom one by one by means of a reciprocable plunger, a pile of blades with their cutting edges flush with each other and uncovered, each blade being contiguous to adjacent blades and provided with an aperture and all the apertures being in registry forming a continuous passage through the pile, a plate on the top of the pile and a second plate on the bottom of the pile, the plates extending beyond the edges of the blades and the plates also being provided with apertures registering with those of the blades, the blades and the plates being bound together by a filament of soft easily shearable material extending through the passage formed by the said apertures.

2,357,209
ARMED ROTATING TURRET FOR AIRCRAFT
Ettore Lanciani, Milan, Italy; vested in the Alien Property Custodian
Application December 16, 1939, Serial No. 309,569
In Italy January 4, 1939
2 Claims. (Cl. 89—37.5)



1. An aircraft gun turret having a revoluble turret ring formed with a plurality of circumferential outside ribs, a supporting ring formed with a plurality of outside circumferential ribs, a circular series of rollers mounted on the uppermost rib of the supporting ring to rotate in a horizontal plane and engaging the uppermost rib of the turret ring to centralize the same, a circular series of axles carried by said supporting ring and extending through another rib thereof, rollers inside said supporting ring and mounted on said axles to rotate in a vertical plane said latter roller engaging a rib of said turret ring to support said turret ring.

2,357,210
CIRCUIT BREAKER
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 4, 1942, Serial No. 464,441
20 Claims. (Cl. 200—116)



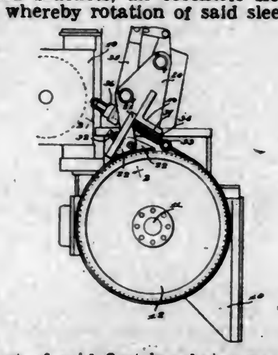
14. In a circuit breaker the combination of relatively movable contacts, operating mechanism for said contacts including a toggle for restraining said contacts in closed position and operable to effect opening of said contacts, an actuating member normally engaging said toggle, an operating handle for operating said actuating member to open and closed positions to effect opening and closing of the contacts, current responsive means for effecting automatic opening operation of said toggle and said contacts irrespective of the position of said actuating member, said toggle being disengaged from said actuating member upon automatic opening movement of said toggle, and said handle being operable to effect reengagement of the actuating member and the toggle.

2,357,211
SULPHURIZED OILS
Bert H. Lincoln and Waldo L. Steiner, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application January 4, 1940, Serial No. 312,408
2 Claims. (Cl. 252—48)

1. A lubricant comprising in combination a major amount of a lubricating oil and a minor amount of a sulphurized ester of phenol and an unsaturated organic acid, said ester being sulphurized by a compound containing phosphorus and sulphur.

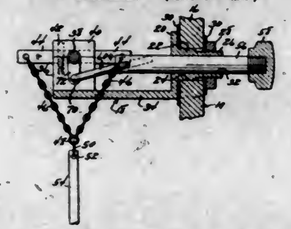
2,357,212
BRAKE BAND STRUCTURE FOR WINCHES
Robert B. Magee, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio
Application June 13, 1942, Serial No. 446,891
2 Claims. (Cl. 188—77)

1. In a winch of the planetary type having an operating shaft and a planetary gear controlling drum rotatable about said shaft, a brake band for said drum, means to exert a force against one end of the brake band in a direction substantially tangentially of the drum, a bracket secured to the opposite end portion of said brake band and extending over a substantial length thereof, one end of said bracket being disposed in close juxtaposition to said first end of the brake band, a rigid mounting bracket arranged adjacent said first bracket, a pin providing a connection between said brackets, an eccentric sleeve fitting said pin whereby rotation of said sleeve enables



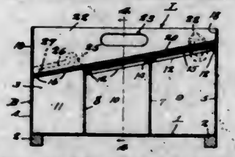
adjustment of said first bracket toward or away from said drum, and means for holding said sleeve in adjusted position.

2,357,213
FLUSH VALVE ACTUATOR
George D. Maige, El Dorado, Ark.
Application August 17, 1943, Serial No. 499,004
5 Claims. (Cl. 4—67)



1. In a flush tank having a valve, a bracket attached to the flush tank, a rock shaft rotatably mounted on said bracket and provided with an arm, a valve lifting means at one end of said shaft for lifting the valve upon rotation of the shaft in either direction, a plunger at right angles to said arm, and a link connecting the plunger and said arm.

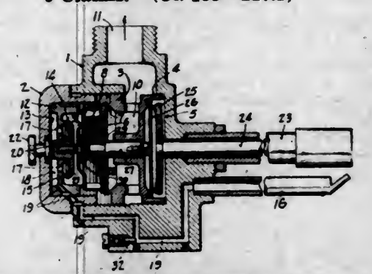
2,357,214
FISHING TACKLE BOX AND CHAIR
John Kenneth McDole, Bradner, Ohio
Application June 11, 1943, Serial No. 490,469
2 Claims. (Cl. 43—31)



1. A fishing tackle receptacle comprising a box-like base embodying a bottom, end walls, and forward and rear walls, spaced forward and rear partitions extended upwardly from the bottom and between the end walls and defining forward, intermediate and rear compartments, a closure for the forward and intermediate compartments and supported by the partitions, a lid having an upstanding rear wall, and means for assembling the lid with the rear portion of the base for upward swinging movement and for forward sliding movement to a fixed position,

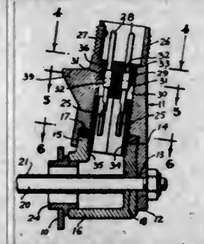
the height of the rear wall of the lid being so nearly equal to the distance between the rear partition and the rear wall of the base that when the lid is opened and slid forwardly to said fixed position, the rear wall of the lid will form a closure for the rear compartment.

2,357,215
PILOT CONTROL VALVE FOR GAS HEATERS
Frank R. Maronek, Whitefish Bay, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 28, 1941, Serial No. 376,345
9 Claims. (Cl. 158—117.1)



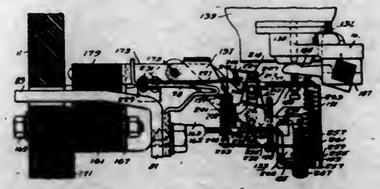
1. In a control for gas burners, a housing providing a valve chamber, an inlet port for gas into the central portion of said chamber, an outlet port at one end of the chamber for supplying gas to a burner, an outlet port at the opposite end of said chamber for supplying gas to another burner, a separate normally closed valve at each end of the chamber and interposed between the central portion of said chamber and the respective end outlet port, means for opening one of said valves independently of the other, and additional means for holding said independently operable valve open when the other valve is opened.

2,357,216
DISCONNECT PLUG RECEPTACLE
Roscoe I. Markey, East Orange, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey
Application December 16, 1942, Serial No. 469,262
5 Claims. (Cl. 174—86)



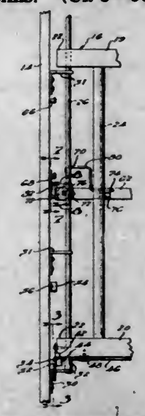
1. A disconnect plug receptacle having in combination, a body member, an insulator carried in said body member, electrical contact pins carried by said insulator, a downwardly extending ear from said body member, a base element telescopically receiving the body member, a mounting member upon which said receptacle is carried, said ear, said base element and the mounting member having aligned openings; and a bolt passing through said aligned openings for securing said receptacle to said mounting member and providing of pivotal adjustment of the receptacle in relation to the mounting member.

2,357,217
CIRCUIT BREAKER
John W. May, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 26, 1941, Serial No. 424,421
24 Claims. (Cl. 200—88)



1. In a circuit breaker, a switch member biased to open position, operating mechanism for said switch member comprising an operating toggle connected to the switch member, a linkage connected to the toggle for holding one end of the toggle in operative position, said linkage constituting the sole means for holding said end of the toggle in operative position, and a trip device comprising a member operable to move the linkage to effect an opening operation of the switch member, a plurality of biasing means opposing operation of said member, and a bimetal element fixedly secured at one portion thereof to a fixed support and operable in response to overload currents to disconnect one of said biasing means from the trip member.

2,357,218
CRIB CONSTRUCTION
Earle E. Merrett, Manitowoc, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application January 19, 1942, Serial No. 427,317
2 Claims. (Cl. 5—93)



1. In a bed, a pair of end members, side members connecting said end members, a mattress support, and means selectively connecting said support to said end members at one of a plurality of vertical positions, said means including vertically spaced supporting elements fixed to said end members adjacent the corners thereof and having heads spaced from said end members, and longitudinally slidable members mounted on said mattress support adjacent the corners thereof, said slidable members having hooked portions disposed in planes normal to the direction of sliding

movement; so that said hooked portions are releasably engageable with certain of said elements to selectively support said mattress support at various heights, said movable members having upwardly extending hand gripping portions which extend above said mattress support.

2,357,219

CORROSION-RESISTANT FERROUS ALLOYS

Norman S. Mott, Westfield, N. J., assignor of one-half to Joseph P. Moran, Westfield, N. J.

No Drawing. Application January 10, 1942, Serial No. 426,315
8 Claims. (Cl. 148—6.5)

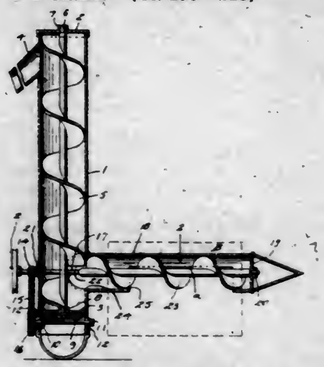
7. A chemical bath for the treatment of stainless steel articles to provide a mirror finish thereon which contains from 10 to 30% by weight of nitric acid, effective amounts up to 30% by weight of hydrofluoric acid, 5 to 15% by weight of a chloride of a metal selected from the group consisting of cobalt, nickel, iron, chromium and titanium, and the balance substantially all water.

2,357,220

GRAIN ELEVATOR

Albin N. Olson, Oshkosh, Nebr.

Application June 29, 1943, Serial No. 492,756
1 Claim. (Cl. 198—213)



A fluent material elevator comprising a tubular housing, a foot secured to one end of the housing upon which the housing is maintained upright, said foot being designed to facilitate the support of the housing vertically and at an inclination from the vertical as required, a wall extending across the lower end of the housing inwardly of such end, a discharge outlet at the opposite end of the housing, a screw conveyer disposed within the housing and supported for rotation upon said wall, said conveyer having the screw transversely broken adjacent to said wall, a lateral tubular housing connected with the first housing adjacent the break of the screw and having a downwardly directed wall opening, a screw conveyer in the lateral housing having a central shaft extending transversely across the first housing within the break of the screw and through the wall of said first housing, means carried by said shaft facilitating the application of rotary power thereto, a gear in the first housing beneath the said wall and connected with the first screw, a stub shaft extending transversely of the first housing beneath the said wall and said gear and supported for rotation, a pinion gear carried by the last mentioned shaft and meshing with the first gear, and a driving connection between the two shafts.

2,357,221

ALKYD RESIN AS PLASTICIZER

Carl Opp, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application July 27, 1943, Serial No. 496,311
1 Claim. (Cl. 260—75)

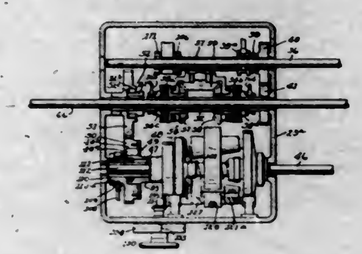
As a plasticizer for cellulose acetate, cellulose aceto-propionate, and the like, the resinous reaction product of approximately 37.5% sebacic acid, 28.6% succinic anhydride, 19.3% ethylene glycol, and 14.6% glycerol.

2,357,222

TRANSMISSION AND CONTROL MECHANISM

Fred A. Parsons, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Original application September 9, 1937, Serial No. 162,977, now Patent No. 2,204,693, dated June 18, 1940. Divided and this application April 1, 1940, Serial No. 327,275
9 Claims. (Cl. 74—281)



1. In a transmission and control mechanism the combination of piston and cylinder elements relatively movable to provide a variable volume chamber having an outlet vent when said elements are in a relative position for a predetermined chamber capacity, said elements being arranged in said transmission for the transmitted load to urge relative movement of the elements in a direction to reduce the volume of said chamber whereby to urge closure of said vent, and a pump connected to supply fluid to said chamber at sufficient pressure to maintain a substantially continuous flow of fluid through said vent.

2,357,223

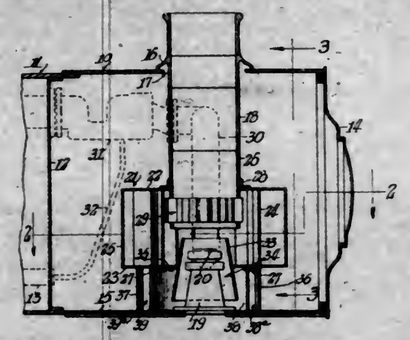
LOCOMOTIVE FRONT END

Leslie R. Pyle, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware

Application May 28, 1943, Serial No. 488,823
11 Claims. (Cl. 230—97)

1. In combination with the smoke box shell of a locomotive boiler, means providing a spark arrester including a casing in said shell, a smoke stack having a portion arranged in said shell and operatively disposed with respect to the upper portion of the casing, an exhaust nozzle opening through the bottom of said shell and arranged to discharge into the lower portion of said casing, and means surrounding a portion of said nozzle in a manner defining a space therearound and which space communicates at its top end with the interior of the casing and at its bottom end with an interior part of the smoke box shell above its bottom, at that elevation wherein said means

cooperates with the blast action of said nozzle in causing movement of the products of combustion



resting on the bottom of said shell, into and up through said space into said casing for entrainment up and out through the stack.

2,357,224

PROCESS FOR THE MANUFACTURE OF ESTERS OF THE SUPRARENAL CORTICAL HORMONE SERIES

Tadeus Reichstein, Basel, Switzerland, assignor to the firm of Roche-Organon Incorporated, Nutley, N. J.

No Drawing. Application May 16, 1941, Serial No. 393,832. In Switzerland June 15, 1940
11 Claims. (Cl. 260—397.4)

1. A process for the manufacture of sulfonic acid esters, which comprises treating a member of the group consisting of saturated and unsaturated 21-diazo-pregnane-20-ones with a dry organic sulfonic acid at a temperature sufficient to cause reaction.

2,357,225

ELECTRICAL SWITCH

Stephen J. Roesch and Joseph W. Myers, Philadelphia, Pa., assignors to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application March 4, 1942, Serial No. 433,394
18 Claims. (Cl. 200—4)



3. In an electrical switch, a plurality of relatively movable contacts, means for supporting said contacts in mutually cooperative relation, a manual operating member arranged for rotational and translational movement, means operable by translational movement of said member for effecting relative movement of said contacts to effect a circuit conditioning function, means for automatically retaining the relative positions of said contacts established by said last means, thermal responsive means for automatically releasing said retaining means after a time interval, and means for releasing said retaining means at will in response to rotation of said member to a predetermined position.

2,357,226

STABILIZED DIAZO PRINTING PASTES

Swanie S. Rossander, Chiles E. Sparks, and Carl W. Maynard, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 29, 1943, Serial No. 516,054
4 Claims. (Cl. 8—71)

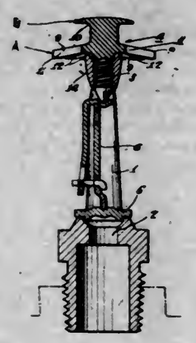
1. A printing paste comprising water, a reaction product of a diazonium halide with an aryl sulfonic acid, and a non-coupling member from the group consisting of aryl carboxylic acids, the soluble metallic salts thereof and their anhydrides.

2,357,227

ATOMIZING SPREADER FOR SPRINKLER HEADS

Arthur C. Rowley, Drexel Hill, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 13, 1943, Serial No. 479,088
4 Claims. (Cl. 169—39)



1. In an atomizing spreader, the combination with a primary deflector comprising a plurality of narrow radiating arms and intervening open spaces, of a secondary deflector axially spaced from and of smaller radial extent than the said primary, said secondary deflector overlying the inner portions only of the said intervening spaces.

2,357,228

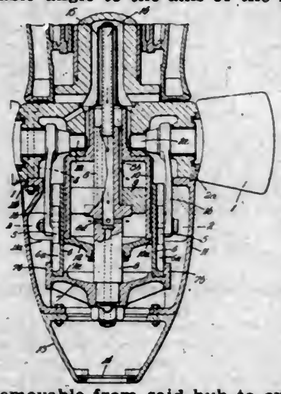
HYDRAULIC TURBINE

Paul Werner Seewer, Rugby, England, assignor to The English Electric Company Limited, London, England, a British company

Application March 13, 1942, Serial No. 434,628
In Great Britain March 7, 1941
4 Claims. (Cl. 253—148)

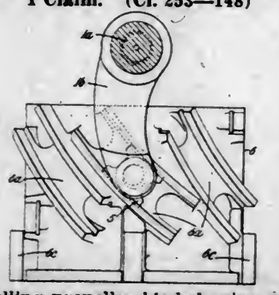
1. A vertical hydraulic turbine rotor comprising a hub incorporating a plurality of horizontal bearings, a plurality of swivelling propeller blades mounted in said bearings and projecting from said hub, a reciprocating hydraulic servo-motor inside said rotor below the blade bearings and reciprocable axially of the rotor, a crank substantially rigid with and extending downwardly from each swivelling blade and located inside the rotor but at the side of and outside of said servo-motor, an operative connection between the servo-motor and the lower end of each said crank for transmitting to said

end a blade-swivelling force in a direction at a considerable angle to the axis of the rotor, and



a hood removable from said hub to expose said servo-motor, cranks and operative connections.

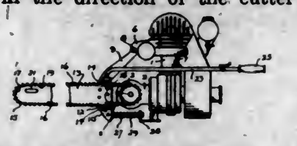
2,357,229
OPERATING GEAR FOR ADJUSTABLE PROPELLER BLADES
Paul Werner Seewer, Rugby, England, assignor to The English Electric Company Limited, London, England, a British company
Application August 13, 1943, Serial No. 498,559
In Great Britain August 21, 1942
1 Claim. (Cl. 253—148)



A swivelling propeller bladed rotor comprising a hub, bearings incorporated therein, a plurality of swivelling propeller blades mounted in said bearings and projecting from said hub, a crank inside the rotor substantially rigid with each swivelling blade and extending therefrom, in one of its working positions, parallel to the rotor axis, a slider block pivotally mounted on the end of each of the said cranks and a member reciprocable axially within said hub having therein a plurality of curved channels, one per crank, extending obliquely across the said member, the sides of said channels being cylindrical arcuate surfaces struck about an axis parallel to but not coincident with the pivotal axis of the crank and appearing of concave form when viewed from the axis of the crank while the said slider blocks have arcuate sides conforming to and a sliding fit within said channels.

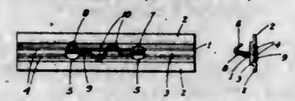
2,357,230
POWER CHAIN SAW
Robert William Shade, Vancouver, British Columbia, Canada
Application June 30, 1942, Serial No. 449,138
3 Claims. (Cl. 143—32)

1. A power driven chain saw comprising a strut having a pair of spaced supports extending rearwardly therefrom, a cutter bar extending forwardly from said strut and being rigidly connected thereto, a prime mover connected to the strut and having movement between the spaced supports in the direction of the cutter bar, a



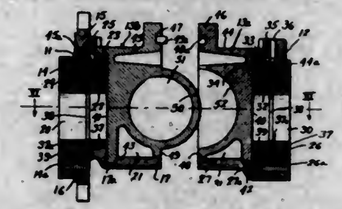
chain saw extending around the cutter bar, said prime mover having a sprocket for driving the chain saw and spring means interposed between the strut and the prime mover for resiliently tensioning the saw upon the cutter bar.

2,357,231
BADGE
Henry A. Sleeper, Sacramento, Calif.
Application May 22, 1943, Serial No. 488,045
1 Claim. (Cl. 40—1.5)



A badge comprising a relatively long stiff body of rectangular shape, flanges on the top and bottom edges of the body, such flanges being parallel to each other and set forwardly from the face of the body to form a forwardly facing channel between such flanges, longitudinal ribs formed on the body within the channel and being of a width less than that of the channel, a safety pin having its hook and spring bar arranged at the back of the body, and a bar connecting the two; the last named bar projecting through spaced apertures formed in the body and being bent back and forth within the channel, the bends thus formed resting in frictional engagement with the ribs and such bar being of such diameter as to project slightly forwardly of the plane of the front faces of the flanges; a flat badge strip of a shape symmetric to the body adapted to extend in front of the body, and a sheath having end flanges adapted to slide over the body flanges in snug frictional contact therewith, such sheath when in position frictionally engaging the badge strip and holding it in frictional contact with the body flanges and with the forwardly projecting bends of the pin bar within the channel.

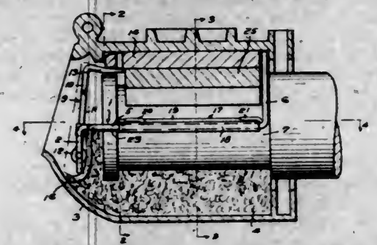
2,357,232
QUICK DISCONNECT COUPLING
Jacob R. Snyder and Arthur Townhill, Cleveland, Ohio, assignors to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio
Application July 27, 1942, Serial No. 452,426
10 Claims. (Cl. 284—4)



1. A coupling comprising a pair of complementary semi cup-like coupling boxes having

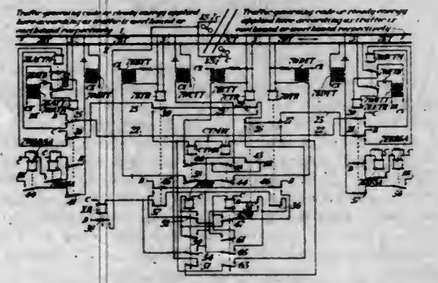
mating inner faces adapted to be placed in abutting position, said boxes, when abutted together providing a cup and defining an open topped closed bottom cylindrical chamber, a cylindrical plug rotatable in said chamber having a top wall ridable on the mouth of the chamber, and means on said boxes overlying said top wall of the plug to retain the plug in position.

2,357,233
WASTE RETAINER
John J. Sohaney and John M. Sammons, Williamson, W. Va.
Application September 17, 1942, Serial No. 458,656
5 Claims. (Cl. 308—89)



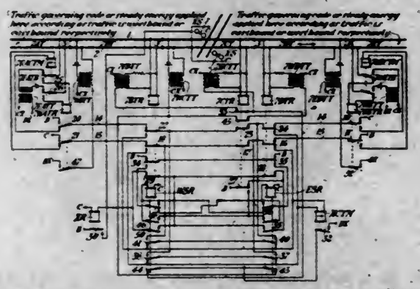
1. A waste retainer comprising a substantially U-shaped frame insertible horizontally in a journal box and adapted to longitudinally straddle a journal therein, said frame including a downturned bight portion, upstanding braces on the free ends of the legs of the frame and adapted for engagement with a part of the box, a rod mounted in said bight portion of the frame, and a brace journaled for swinging movement on said rod and having a free end engageable beneath a wedge in the box, the first and second-named braces comprising means for securing the frame in position in the box.

2,357,234
CODED RAILWAY SIGNALING APPARATUS
Crawford E. Staples, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 3, 1943, Serial No. 512,723
8 Claims. (Cl. 246—63)



1. In cab signal energy supply means for use in a stretch of railroad track over which may move in either direction locomotives equipped with cab signal apparatus responsive to the presence of coded alternating current in the track rails, the rails of the track stretch being divided into a plurality of successive track sections including a first, second, a third and a fourth section, said track stretch being provided with traffic governing apparatus of a type in which coded energy is supplied to one end of the track stretch at given times and is supplied to the other end of the stretch at other times, said second and third track sections each being provided with a track circuit including a track relay, a pair of line wires substantially coextensive with said second and third track sections and governed by the track relays of said track sections, the first and fourth track sections each being provided with track circuits employing coded energy and each having at the end of the section adjacent the end of the line wires coding means responsive to the supply of coded energy over the section rails from the opposite end of the section for supplying coded energy to the line wires and for also supplying coded alternating current to the rails of the adjoining track section, said first and fourth track sections each being provided with coding means operated by coded energy supplied over the line wires and controlling the supply of coded energy to the section rails at the end of the section adjacent the line wires, in combination, a first coding device controlling the supply of coded alternating current to the rails of the third track section at the end of said section adjacent the second track section, a second coding device controlling the supply of coded alternating current to the rails of said second track section at the end of said section adjacent the third track section, means effective on release of the track relay for the second section to prevent the supply of energy over the line wires to the coding means for the first section and to connect the second coding device across the line wires so that said second coding device is operated by coded energy supplied to said line wires at the end thereof adjacent the fourth track section, and means effective on release of the track relay for the third section to prevent the supply of energy over the line wires to the coding means for the fourth section and to connect the first coding device across the line wires so that said first coding device is operated by coded energy supplied to said line wires at the end thereof adjacent the first track section.

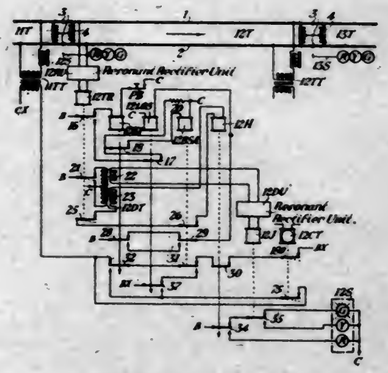
2,357,235
CODED RAILWAY SIGNALING APPARATUS
Arthur L. Jerome, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 31, 1943, Serial No. 516,363
11 Claims. (Cl. 246—38)



1. In a cab signal energy supply means for use in a stretch of railway track over which may move in either direction locomotives equipped with cab signal apparatus responsive to flow of coded alternating current in the track rails, the rails of said track stretch being divided by insulated

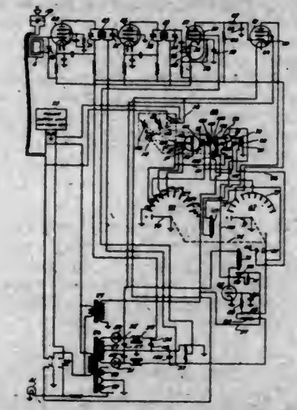
joints into an intermediate section having a first approach section at one side and a second approach section at the other side, said intermediate and approach sections each being provided with a track circuit including a track relay, said track stretch being equipped with traffic governing apparatus for conditioning the track stretch for one direction of traffic or the other and including a pair of line wires substantially coextensive with said approach sections and over which coded energy may be transmitted between the track sections at the ends of the approach sections remote from said intermediate section, said traffic governing apparatus being effective when the stretch is conditioned to permit traffic to move from the first to the second approach section to cause coded energy to be supplied to said line wires at the end thereof remote from the first section and being effective when the stretch is conditioned to permit traffic to move from the second to the first approach section to cause coded energy to be supplied to said line wires at the end thereof remote from the second section, in combination, a coding relay located adjacent said intermediate section and controlling the supply of coded alternating current to the rails of said intermediate section and to the rails of said approach sections at the ends thereof adjacent said intermediate section, means controlled by the track relays of said first approach and intermediate sections for supplying from the line wires to said coding relay energy supplied to the line wires at the end thereof remote from said first approach section, and means controlled by the track relays of said second approach and intermediate sections for supplying from the line wires to said coding relay energy supplied to the line wires at the end thereof remote from said second section.

2,357,236
RAILWAY SIGNALING SYSTEM
Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 26, 1942, Serial No. 436,327
14 Claims. (Cl. 246—38)



1. In a coded railway signaling system, in combination, a stretch of railway track having a pair of track rails divided by insulated joints into a plurality of successive track sections including a forward and a rearward section, means for supplying coded energy to the rails of said forward section, a code following track relay having a winding receiving energy over the rails of said forward section, a first and a second auxiliary relay, a slow releasing control relay, a circuit including a back contact of said first auxiliary relay for supplying energy to said control relay, a circuit including a front contact of said second auxiliary relay for also supplying energy to the said control relay, a circuit including a front contact of the track relay for supplying energy to the first auxiliary relay, a circuit including a back contact of the track relay and front contacts of said first auxiliary relay and of said control relay for supplying energy to the second auxiliary relay, a circuit including a back contact of one of said auxiliary relays for supplying coded energy to the rails of the rearward section, a circuit including front contacts of said first auxiliary relay and of said control relay and a back contact of the second auxiliary relay over which steady energy may be supplied to the rails of said rearward section, and a circuit including front contacts of said first and second auxiliary relays for supplying coded energy to the rails of said rearward section.

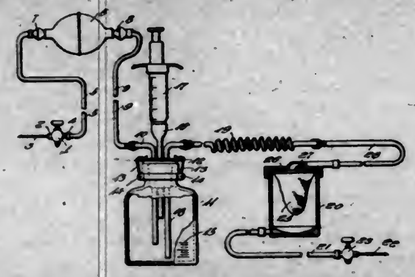
2,357,237
REMOTE CONTROL SYSTEM FOR RADIO RECEIVERS AND THE LIKE
Milton L. Thompson, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 20, 1938, Serial No. 220,356
36 Claims. (Cl. 250—20)



1. In a control system for a radio receiver or the like, means for generating a train of signal impulses of substantially equal duration, means for generating a train of impulses of unequal duration, and common means at the receiver responsive to said first-mentioned impulse train for tuning the receiver to a desired intelligence signal, and responsive to said last-mentioned impulse train for varying the volume level of the intelligence signal being reproduced by the receiver.

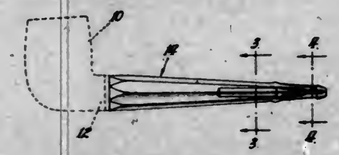
2,357,238
PROCESS AND APPARATUS FOR TREATING BLOOD
Averal T. Trimble, St. Petersburg, Fla.
Application November 18, 1943, Serial No. 510,799
3 Claims. (Cl. 128—295)

1. A blood treating apparatus comprising a hypodermic needle for extracting blood from a vein or artery of a blood circulatory system, a shut-off valve to which the hypodermic needle is connected for regulating the quantity of blood which will be allowed to flow therethrough, a conduit connected to the valve, an inlet valve to which the conduit is connected, a fluid pump operative to draw blood through the needle, said pump comprising a flexible bulb, yokes between which the bulb is located, one of said yokes being movable with relation to the other, magnetic bars associated with the two yokes, means for energizing one of the bars whereby the opposed bar is drawn toward it, a resilient means for forcing the bars apart, and a switch actuated by the pulsations of the circulatory system from which blood is extracted for making and breaking a circuit to the pump operating means, the said pump being in communication with the inlet valve



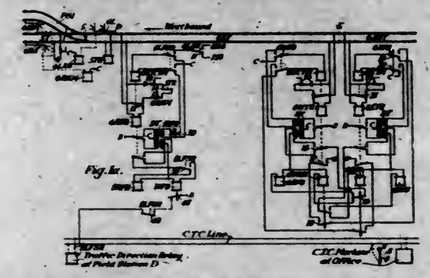
which allows the blood to pass from the shut-off valve to the fluid pump and prevents backflow of the blood from the fluid pump, an outlet valve connected to a discharge end of the fluid pump which is closed by the intake stroke of the fluid pump and opened under the discharge stroke of the fluid pump, a glass container in communication with the outlet valve, the said outlet valve checking the backflow of blood from the container, the said glass container acting as a receptacle for air extracted from the blood, a tube in the container through which blood escapes from it, a spiral tube connected to the last mentioned tube through which the blood from the container is circulated, means for irradiating the blood in the spiral tube, and a hypodermic needle connected to the spiral tube for returning blood to a circulatory system.

2,357,239
SMOKING PIPE
Otto Turinsky, Palatine, Ill.
Application October 9, 1941, Serial No. 414,246
5 Claims. (Cl. 131—227)



4. A bit for smokers comprising, in combination: a tubular body capable of slight plastic yielding under the bite of the user's teeth and substantially incapable of resisting collapse at the point of bite; and a metallic reinforcement inside the body at the point of bite; said reinforcement comprising metal members of U-shaped cross section; the legs of each U section presenting thrust areas facing in opposite directions to receive the force of the bite and prevent collapse of the body.

2,357,240
RAILWAY TRAFFIC CONTROLLING APPARATUS
James J. Van Horn, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 16, 1941, Serial No. 410,987
14 Claims. (Cl. 246—3)



1. In combination with a stretch of track over which traffic may move in either direction, said stretch being divided into a plurality of track circuit sections, a traffic direction control relay adjacent the exit end of said stretch for a given direction of traffic movement, manually controlled means for operating said control relay, a stick circuit for said control relay effective when said relay is operated, means effective when said control relay is operated for cascading track circuit current impulses of a master code of a given relative polarity from said exit end over said sections to the entrance end of the stretch for checking unoccupancy, whereby if said stretch is occupied said master code will be shunted out and so will not reach said entrance end, traffic governing means operated in response to the receipt of master code at said entrance end, a signal for governing the entry of traffic moving in said given direction into said stretch, means controlled by said traffic governing means when operated effective if said signal is at stop for cascading track circuit current impulses of a feed back code of the same relative polarity from said entrance end over said sections to said exit end during off intervals in said master code, and means responsive to the receipt of feed back code at said exit end for rendering said stick circuit ineffective, whereby if said signal is cleared and a train occupies said stretch so that said feed back code is shunted and is not received at said exit end said stick circuit will cause said given traffic direction to be retained.

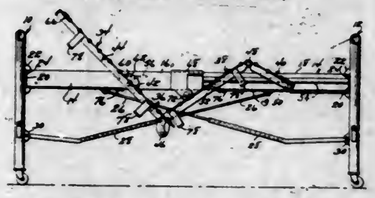
2,357,241
IMPEDANCE ELEMENT
Frederick P. A. Wagner, Atco, N. J., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 1, 1941, Serial No. 391,319
10 Claims. (Cl. 201—67)



1. An electrical impedance device including in combination, a random wound multi layer electrical impedance element which when untreated and unmounted is readily and freely extensible and collapsible along at least one of its axes, a porous member upon which said element is

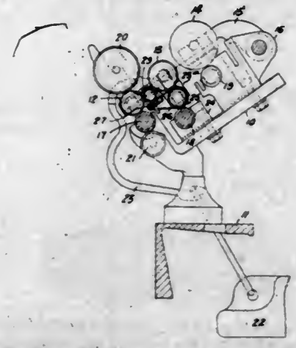
mounted, said porous member when untreated being likewise extensible and collapsible along the same axes along which said electrical impedance element is extensible and collapsible, and a protective material with which said element and said porous member are impregnated acting to predominantly control the incremental expansion and contraction of both the electrical impedance element and said porous member along their corresponding extensible and collapsible axes to prevent cracking of said protective material or the development of a condition of strain at any point between said element and the adjacent portion of said porous member.

2,357,242
FOLDING BED
Frank F. Wahl, Monroe, Mich.
Application August 26, 1942, Serial No. 456,249
3 Claims. (Cl. 5—66)



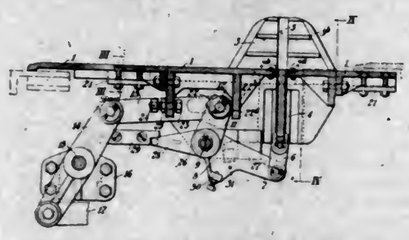
1. In a bed having side rails, a spring comprising first, second and third sections pivotally connected together, said third section being located near the foot of the bed, upper and lower flanges on the rails, means pivoting said first section to the rails, rollers journaled on the foot end of said third section and on the sides of said second section between its ends and mounted between the flanges, said sections being adapted for adjustment into aligned or into angular relation, and means for latching said first section to the rails for securing the sections in selected arrangement.

2,357,243
DRAWING APPARATUS FOR TEXTILE SPINNING AND LIKE TEXTILE FRAMES
Arthur Walker, Oldham, England
Application May 8, 1943, Serial No. 486,144
In Great Britain March 16, 1942
1 Claim. (Cl. 19—131)



Drawing apparatus of the "high-draft" type for textile spinning and like frames comprising roller stands, cap-brackets carried by said stands, cap bars pivotally mounted in said brackets, a first, second and third top roller and weighted apron rollers journalled in said cap bars, a first, second and third bottom roller journalled in parallelism with said top rollers, a stationary guide-bar placed loosely in said cap bars with its forward edge close to the nip of the first top roller and the first bottom roller, said apron rollers being journalled intermediately of said second top roller and said second bottom roller, the axes of said apron rollers being located rearwardly of a plane extending through the axes of said second top roller and said second bottom roller, said apron rollers comprising aligned roller members each of short length, two aprons trained around each apron roller member and said guide bar, said aprons being driven by frictional contact by their outer sides with said second bottom roller, said aprons bearing on said apron rollers over more than one-half of their peripheries, both flights of each apron extending directly from said guide bar to the respective apron roller member, the upper flights of said aprons serving exclusively to convey fibres to the nip of said front top and bottom rollers, each apron roller member being removable without stoppage of the frame or disturbance of adjoining roller members.

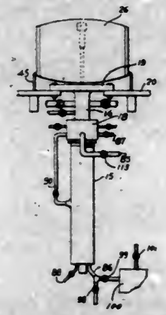
2,357,244
RECIPROCABLE RETORT BASE
Thomas George William Watson, Brookman's Park, England, assignor to Taylor Stoker Company Limited, London County, England, a British Company
Application June 27, 1942, Serial No. 448,776
In Great Britain October 6, 1941
15 Claims. (Cl. 110—44)



1. In a stoker, a reciprocable base element for the bottom of the stoker retort, the said element incorporating a retractable plate movable perpendicularly to said element and operable between a raised position in which said plate projects upwardly from said element and a retracted position in which the upper edge of said plate is lowered to said element and means for operating said plate to its raised and lowered positions, said plate operating means and said base element having cooperating means engaging to shift said element in the direction toward the ash pit whereby fuel is advanced by said plate when said plate is in raised position and to return said element when said plate is in lowered position.

2,357,245
APPARATUS FOR FILLING AND CLOSING CONTAINERS
Arthur Vivian Wetherby-Williams, New York, N. Y., and Washington Kyle Sheffield, New London, Conn.
Application April 22, 1942, Serial No. 439,974
2 Claims. (226—117)

1. A filling apparatus for containers comprising a vent for permitting air to escape while the container is being filled with liquid, a restricted outlet for said vent to produce a rise in pressure on the two sides of said outlet when air-flow



ceases and liquid flow begins, and a pressure-differential-operated valve constructed to close said vent when the pressure rises due to the flow of liquid through said outlet.

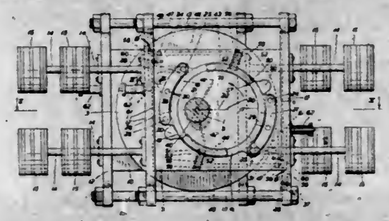
2,357,246
CONTAINER
Roy H. Whitmyer, Patchogue, N. Y.
Application September 15, 1941, Serial No. 410,885
9 Claims. (Cl. 206—2)



1. A container of the character described comprising a plurality of relatively thin gum rubber lining members, a metal shell including perforated side and bottom walls interposed between said lining members, and bonded together therewith through the perforations, a plurality of heavier rubber lining members covering the inner side of said lined shell, a plurality of layers of rubber-impregnated fabric each formed of a relatively narrow band disposed spirally upon said covered shell, and an outer, heavy covering member of rubber enclosing said shell and lining members, all of said rubber portions being coalescently bonded together to form an integral unitary structure.

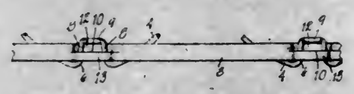
2,357,247
ECCENTRIC DRIVING GEAR
Albert Richard James Wilkinson, Twickenham, England, assignor of one-half to Eric Richardson, Richmond, Surrey, England
Application June 3, 1943, Serial No. 489,537
In Great Britain October 30, 1942
11 Claims. (Cl. 74—50)

1. In a driving mechanism, the combination comprising a frame adapted to be reciprocated, a housing mounted in said frame, said housing sliding in said frame in a direction at right angles to the movement of said frame, said housing having a circular opening therein, an eccentric engaging said opening, a flywheel on which said eccentric is mounted eccentrically on one face of said eccentric, said eccentric being provided



on its opposite face with a recess, said recess being directly opposite said eccentric and being of exactly the same volume and shape as said eccentric, the weight of metal removed from the flywheel for forming said recess corresponding with the weight of said eccentric, and a driven shaft passing axially through said fly wheel and having said flywheel keyed thereto.

2,357,248
SPRING STRUCTURE
Leonard A. Young, Detroit, Mich.
Application March 14, 1941, Serial No. 383,317
6 Claims. (Cl. 5—260)



1. A spring assembly of the type described comprising a border frame having a generally flat section disposed with the wider surfaces thereof in the plane of the frame, said frame having a plurality of elongated slits therein intermediate its inner and outer edges, extending longitudinally of the frame, the material of the latter being distorted in opposite vertical directions on either side of said slits to provide spaced recesses opening laterally of said frame, and a plurality of border springs connected to said frame, the end coils of said springs being provided with inwardly directed loop-like offsets each terminating in a vertically deflected bight adapted to be introduced in one of said recesses between said oppositely distorted frame portions, the offset being laterally positioned by engagement with the ends of the distorted portions and being restrained from outward separating movement relative to the frame by said deflected bight.

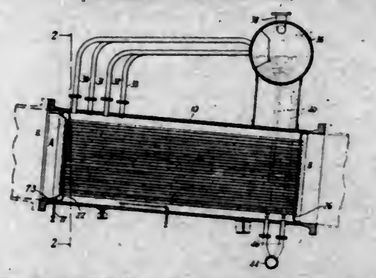
2,357,249
METHOD OF PREPARING SULPHANILYL ARYL GUANIDINES
George W. Anderson, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 10, 1942, Serial No. 430,251
7 Claims. (Cl. 260—397.7)

1. The process of producing sulphanilyl aryl substituted guanidines which comprises reacting a primary aromatic amine with an acyl sulphanilyl nitroguanidine to give an acyl sulphanilyl aryl substituted guanidine and hydrolyzing to give sulphanilyl aryl substituted guanidine.

2,357,250
COATED WELDING ROD
Walter L. Baker, Covington, Va., assignor to West Virginia Pulp and Paper Company, New York, N. Y. a corporation of Delaware
No Drawing. Application March 24, 1943, Serial No. 480,339
3 Claims. (Cl. 219—8)

1. A welding rod for ferrous electric welding of the type having an inner coating of a fluxing substance and an outer covering of paper, the same being characterized by the inner layer consisting of a hard glassy coating of borax pentahydrate.

2,357,251
MULTIFLUE HEAT EXCHANGER
Robert K. Behr, Tuckahoe, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application February 5, 1942, Serial No. 429,635
7 Claims. (Cl. 122—44)

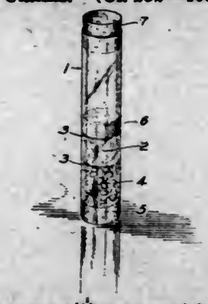


1. In a multi-flue heat exchanger, a shell, spaced tube sheets secured at their peripheries to the shell, a plurality of tubes secured to the tube sheets at positions distributed over the tube sheets and a transverse section of the shell, said tubes being adapted to provide for the passage therethrough of a heat exchange medium at temperatures differing greatly from the temperatures of a fluid within the shell, and restrictors of different flow areas arranged at the inlet ends of the tubes, the restrictors of greater capacity or flow area being disposed in a group limited to a central zone remote from the shell, while the restrictors of smallest flow area are disposed around said group and limited to the tubes next adjacent the shell.

2,357,252
PROCESS FOR THE RECOVERY OF PHENOLS
Henry G. Berger, Edwin M. Nygaard, and Henry S. Angel, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 3, 1942, Serial No. 425,518
4 Claims. (Cl. 260—627)

1. A process for the recovery of phenols from an oil phase containing phenols, mercaptans, and naphthenic acids separated from an aqueous phase after acidification of an aqueous caustic solution containing mercaptides, phenolates, and naphthenates which comprises, distilling the oil phase; dissolving the distillate in a water-immiscible organic solvent and admixing the solution with an alkali carbonate in aqueous solution in an amount just sufficient to convert said naphthenic acids to the alkali naphthenates; separating the aqueous alkali carbonate layer containing the naphthenates from the organic solvent layer containing the phenols and mercaptans, adding to the organic solvent layer an aqueous alkali hydroxide solution and elementary sulphur in amounts sufficient to convert the mercaptans to disulphides and the phenols to phenolates in separate phases; agitating the mixture; separating the alkali hydroxide layer containing the phenolates from the organic solvent layer containing the disulphides; acidifying the aqueous alkali hydroxide layer to liberate the phenols; and separating the liberated phenols from the acidified aqueous solution.

2,357,253
PRESERVATION OF DRIED BLOOD GROUPING SERUM
Arthur F. Coca, Oradell, N. J., assignor to Lederle Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application August 1, 1940, Serial No. 349,053
5 Claims. (Cl. 252—408)



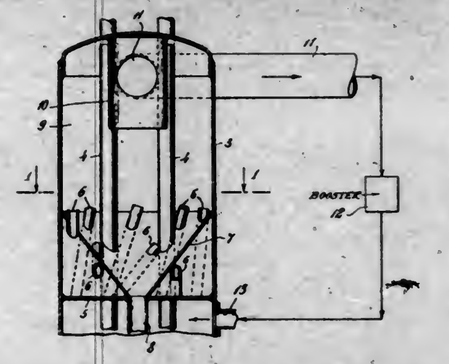
1. A stable composition comprising a dry mixture of about one part by weight of desiccated blood serum containing one of the active blood agglutinants of the group consisting of anti-A and anti-B and one to fifty parts by weight of a dry, water-soluble, inert diluent which does not affect the agglutinating action of the agglutinant, said composition being soluble in water to provide a blood grouping solution of high titer.

2,357,254
MANUFACTURE OF CATALYSTS
Joseph D. Danforth, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 30, 1941, Serial No. 391,129
8 Claims. (Cl. 252—251)

1. A process for the manufacture of [illegible] proved catalyst suitable for use in hydro[illegible]on conversion reactions which comprises impregnating a synthetically prepared hydrocarbon conversion catalyst which has been calcined at a temperature above 600° C. but not substantially in excess of 900° C. with a glycerin-water solution of boric acid, evaporating said solution and heating to incorporate a boron compound into the catalyst.

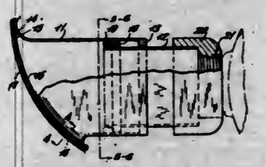
2,357,255
REACTOR WITH SEPARATOR OF ENTRAINED SOLIDS FROM GASES
George S. Dunham, Merion, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 404,794
2 Claims. (Cl. 23—284)

1. In a reactor wherein particle-form solid material is treated with gasiform reagent an assembly for separating entrained solid from effluent gas which comprises a reactor vessel so constructed as to provide an initial gas-solid disengaging space in the upper end of said reactor, a cylindrical separator body thereabove, a downwardly tapering conical partition dividing said separator body from the initial disengaging space, tubular means extending through said partition for the transfer of gas containing en-



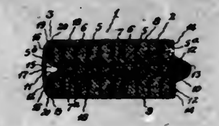
trained solid from the initial disengaging space to the separator, the axis of said tubular means lying in a plane parallel to the axis of the cylindrical separator and being placed at an angle to said axis, means to withdraw separated entrained solid from the apex of said partition and return it to the reactor below said initial gas-solid disengaging space, and means to remove cleaned gas from the central portion of said separator.

2,357,256
APPLICATOR
John N. Eidt, Elyria, Ohio
Application August 20, 1941, Serial No. 407,675
4 Claims. (Cl. 15—133)



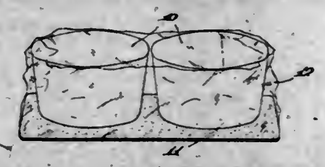
1. An applicator for distributing shaving cream or the like to the face from a collapsible tube comprising: a pair of relatively movable members operatively connected for sliding movement and having communicating passageways therein; one of said members being attachable to the discharge nozzle of a collapsible tube to afford communication with its passageway; said tube being adapted to function as a handle and a source of supply; and the other of said members having a closed outer end adapted for sliding engagement with the face to be coated, said closed end being provided with a discharge opening affording communication with its passageway; said members being relatively extended a predetermined distance by introduction into the passageways of cream under pressure from the tube and thereafter relatively contracted by a force applied to the closed end during its engagement with the face to effect discharge of the cream through the discharge opening from the passageways.

2,357,257
REINFORCED GASKET
Frederick W. Goetze, Franklin Park, N. J., Margie C. Goetze, executrix of said Frederick W. Goetze, deceased, assignor to Goetze Gasket & Packing Co., Inc., New Brunswick, N. J., a corporation of New Jersey
Application December 28, 1942, Serial No. 470,331
6 Claims. (Cl. 288—26)



1. A compressible gasket formed of alternate spirally wound convolutions of packing material and strip metal having a longitudinal median corrugation, said gasket having an outer periphery and an inner periphery defining an opening, and a unitary protecting metallic sheath extending around and engaging one of said peripheries and formed with an intermediate peripheral wall and integral flanges turned radially from said wall upon the top and bottom faces of the gasket adjacent the said one periphery only and pressed into said faces to an extent sufficient to axially compress the corrugated strip metal convolutions interposed between the flanges and to dispose the outer surfaces of said flanges in substantially the plane of the outer surfaces of the remaining portions of the gasket whereby any sealing pressure applied to the gasket compresses the flanges and remaining portions of said surfaces simultaneously.

2,357,258
BAKERY FLAVORING PRODUCT AND METHOD OF MAKING SAME
Clifford G. Harris, Binghamton, N. Y.
Application January 22, 1941, Serial No. 375,529
7 Claims. (Cl. 99—172)

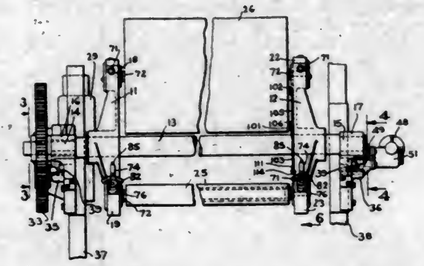


7. A bakery product package comprising a baked product enclosed within a package, and an absorbent sheet providing an inner lining for the package, said sheet being impregnated with a volatile flavoring material free to volatilize, and thereby to provide within the package space and about said product an atmosphere of the flavoring material.

2,357,259
WEB ROLL SUPPORTING MECHANISM
William F. Huck, Richmond Hill, and William C. Wicking, Woodhaven, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application August 22, 1941, Serial No. 407,896
23 Claims. (Cl. 242—58)

1. In a web roll supporting mechanism, a reel adapted to support a plurality of web rolls, means to axially move the reel to align a roll from which a web is running into a machine with a part of the machine operating upon the web, means to

rotate the reel to position it to have a new web roll loaded thereon, means to axially adjust the new web roll being loaded on the reel to align the end thereof adjacent its periphery with the end



of a roll previously loaded on the reel, and a gauge mounted on the mechanism and movable to simultaneously engage both of the said rolls, and to indicate when such alignment has been effected.

2,357,260
INSECTICIDE
Percy E. Joyce, Calcutta, India, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 12, 1940, Serial No. 356,495
14 Claims. (Cl. 167—22)

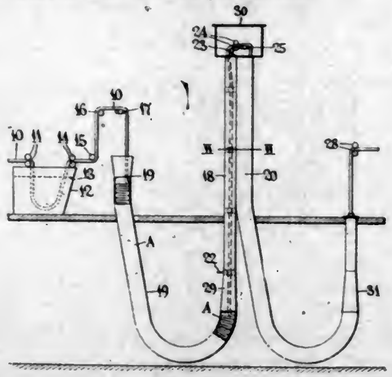
1. An insecticide comprising a carrier and an unsaturated ketone having at least 12 carbon atoms selected from the group consisting of aliphatic ketones and cyclo ketones having the keto group in the ring, said ketones being further characterized by being produced by condensing unsubstituted carbonyl compounds with themselves.

2,357,261
PREPARATION OF DICYANDIAMIDE SALTS
Donald W. Kaiser, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 28, 1942 Serial No. 440,879
9 Claims. (Cl. 23—78)

1. A method of preparing alkali metal and alkaline earth metal salts of dicyandiamide which comprises mixing dicyandiamide with a substantial excess of a compound of the group consisting of water-soluble alkali metal hydroxides and alkaline earth metal hydroxides over that required to react stoichiometrically with the dicyandiamide to form a salt thereof and an amount of water not substantially in excess of that necessary to dissolve the reactants.

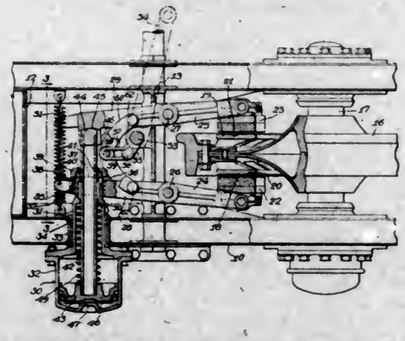
2,357,262
METHOD OF TREATING TEXTILES AND APPARATUS THEREFOR
Hans O. Kauffmann, Eggertsville, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
Application May 9, 1941, Serial No. 392,718
5 Claims. (Cl. 8—152)

1. An apparatus for heating dampened textile goods in roped form which comprises an elongated chute having means at the discharge end thereof for retarding free passage of packed goods therethrough, means for piling and packing the goods in the chute to form a seal, a heating chamber attached to said chute, an attachment on said chamber for introducing heating medium into the chamber, a second elongated chute attached to said chamber having means at the discharge end thereof for retarding free passage of packed goods therethrough, the ingress opening of said first chute and the egress opening of said second chute being open to the atmosphere, means for withdrawing goods from the first chute through the heating chamber in extended roped form and piling and packing the same in the second chute to form a seal, said heating chamber and said chutes having fluid communication whereby heating medium may flow freely between the heating chamber and the chutes.



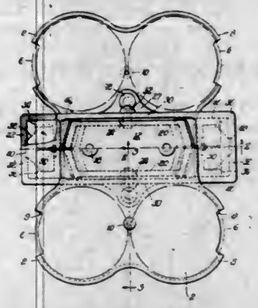
5. A method for continuously heating dampened textile goods in roped form which comprises packing the unheated goods into a chute to form a seal, moving the goods in extended roped form from this chute into a second chute and packing them therein to form a seal, introducing heating medium between the seals of goods in contact with the goods whereby heating is effected in a zone sealed by the two seals and withdrawing the goods from said second chute at substantially the same rate at which they are packed into the first chute.

2,357,263
BRAKE MECHANISM
Joseph Ledwinka, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 19, 1942, Serial No. 435,322
9 Claims. (Cl. 188—153)



1. Brake mechanism for a vehicle having longitudinal members supported by a wheel and axle assembly, spaced braking faces rotating with a wheel of said assembly, brake levers extending generally in the longitudinal direction of said members and supported thereby intermediate the ends of the levers for pivotal movement, brake shoes carried by the adjacent ends of said levers in cooperative relation to the respective braking faces rotating with the wheel, and a brake cylinder and piston assembly floatingly supported by at least one of said longitudinal members and having abutting engagement, the piston and cylinder, respectively, with the ends of the levers remote from their ends supporting the shoes.

2,357,264
SPRING GROUP
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 13, 1941, Serial No. 414,751
31 Claims. (Cl. 267—9)



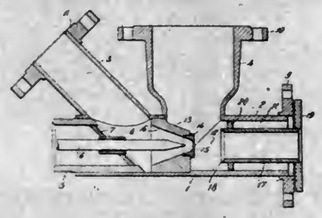
1. In a spring group, top and bottom plates, a coil spring and a friction device confined therebetween, said friction device comprising a top follower with V-shaped tapering friction walls, a bottom follower carrying means at opposite ends thereof for engagement with said walls, said means comprising a housing and spaced friction shoes engaging respective faces of the adjacent V-shaped wall, and resilient means under compression between said shoes and housing, said resilient means being operative to urge said shoes into engagement with said walls and also operative to urge said shoes into engagement with spaced surfaces on said housing.

2,357,265
UNDERCLEARER ROLL
Noah E. Lucas, Norwich, Conn., assignor to Noah Lucas, New Britain, Conn.
Application July 9, 1941, Serial No. 401,621
5 Claims. (Cl. 19—140)



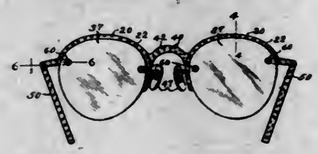
1. An underclearer roll including a body, a sheath including a sheet of Cellophane wrapped several times around the body in tight contact therewith to prevent entrance of moisture thereto, a cap composed of a material impervious to moisture secured to the end of the roll, and a flange on said cap penetrating the end of said sheath in a position spaced from said body.

2,357,266
MIXING JET APPARATUS
Harold O. Malcolm, Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 24, 1941, Serial No. 403,836
2 Claims. (Cl. 196—46)



1. An eductor-mixing device comprising an injection tube, a hollow cylindrical body of substantially uniform internal cross-section throughout its length connected thereto, said body having a radial eduction port therein, a needle valve, a seat for said needle valve disposed concentrically in said body with its discharge end substantially centrally underlying said eduction port, a cylindrical discharge tube of substantially lesser external diameter than the internal diameter of said body, and an annular flange supporting said tube concentrically in said body with its ingress end in a plane substantially tangent to said port, said flange lying in a plane parallel and close to the plane of the ingress end of said tube, whereby the flange serves to define a portion of the mixing chamber wall against which material will impinge during operation.

2,357,267
TOP ARM SPECTACLES
John J. Rohrbach, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application September 20, 1941, Serial No. 411,707
13 Claims. (Cl. 88—41)



1. A semi-rimless ophthalmic mounting comprising a bridge composed at least exteriorly of plastic material, a pair of top arms affixed to said bridge to extend outwardly along the top rims of a pair of lenses, each of said top arms consisting of a metal core wire and a casing of plastic material, a plurality of metal lens straps fastened to each of said top arm wires and projecting beyond said plastic casing, a metal endpiece fastened to each of said top arm wires adjacent the temple end thereof and projecting rearwardly and outwardly beyond said plastic casing, and a pair of temples made at least in part of plastic material pivotally secured one to each of said endpieces, the forward end of each of said temples curving forwardly and inwardly around the pivot point, and said temples, endpieces and top arms being so constructed and arranged that the metal endpieces are substantially wholly concealed from side or front view by the plastic material of the temples and top arms when said mounting is in wearing position.

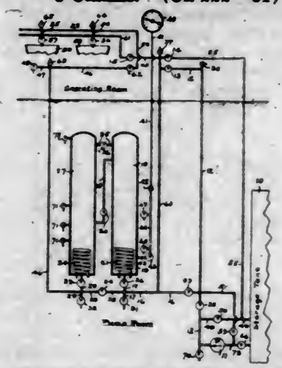
2,357,268
PREPARATION OF SULPHONYL ARYL BIGUANIDES
Richard O. Roblin, Jr., Old Greenwich, and George W. Anderson, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 11, 1942, Serial No. 438,570
7 Claims. (Cl. 260—397.7)

1. The process of producing aryl derivatives of sulphonyl biguanides which comprises reacting an aryl sulphonyl dicyandiamide with an arylamine, said reaction being carried out by heating the reactants in a solvent.

2,357,269
ART OF TREATING FERROUS METAL ARTICLES
David A. Russell and Stanley C. Kyle, Youngstown, Ohio
No Drawing. Application April 22, 1942, Serial No. 440,096
5 Claims. (Cl. 117—49)

1. A method of treating steel preparatory to cold working which comprises the steps of immersing it in a slurry consisting of a colloidal suspension of lime and mono-sodium phosphate in water, removing it from the slurry and permitting the adherent slurry to dry at least in part thereon.

2,357,270
MEANS FOR DISPENSING DISCRETE QUANTITIES OF CORN SYRUP
Paul H. Stambaugh, Columbus, Ind., assignor to Union Starch & Refining Co., Columbus, Ind., a corporation of Indiana
Application January 29, 1943, Serial No. 473,944
5 Claims. (Cl. 222—61)

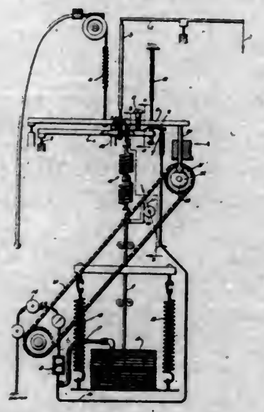


1. In a liquid metering device, a liquid supply tank; a pressure tank; a pump for transferring the liquid to the pressure tank, said pressure tank being formed to have gas entrapped above the level of the liquid as the liquid is forced therein; pipe means for conducting liquid from a lower portion of the pressure tank to a selected point of dispensing of the liquid; valve means between said pump and said pressure tank to be closed during flow of liquid from the pressure tank; and pressure operated means connected with said pressure tank graduated to indicate amounts of liquid withdrawn from the pressure tank; pipe means for conducting liquid from said pressure tank to said supply tank to establish an initial zero reading of said graduated pressure operated means; and valve means in said last pipe means.

2,357,271
HYDROCARBON CONVERSION
Hugh S. Taylor, Harold Fehrer, and John Turkevich, Princeton, N. J., assignors to Process Management Company, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 14, 1941, Serial No. 383,346
10 Claims. (Cl. 260—673.5)

4. A process for the conversion of aliphatic paraffinic hydrocarbons having at least six carbon atoms per molecule to aromatic hydrocarbons by dehydrogenation and cyclization thereof, which comprises contacting said aliphatic paraffinic hydrocarbons with a chromium oxide catalyst containing zinc oxide in intimate mixture therewith whereby the catalytic properties of the chromium oxide are modified by zinc oxide, said contact of said hydrocarbons with said catalyst being effected at a temperature of 450 to 550° C. and at a space velocity of less than two volumes of hydrocarbons (liquid basis) per volume of catalyst space per hour.

2,357,272
MULTIPLE LOAD RANGE WEIGHING SYSTEM
Malcolm C. Tate, Stamford, Conn., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application November 10, 1943, Serial No. 509,950
5 Claims. (Cl. 265—27)

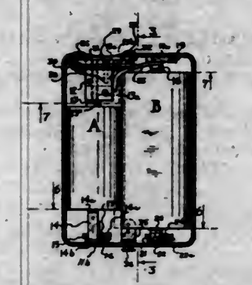


1. A load weighing system comprising, in combination, a load receiving member, means for transmitting a load thereto to move the same, a plurality of load range members, a plurality of springs respectively connected to said load range members, a common servo-motor connected to all of said springs and adapted to impose a force on said load receiving member through any one of said load range members and the springs connected thereto, said force being in opposition to an applied load to be weighed, means controlled by initial movement of said load receiving member in response to a change of load thereby to operate said servo-motor so as to establish a balance between the applied load force and said opposing force, and means for selectively connecting certain of said load range members to said load receiving member so as to cause the system to have a load range in proportion to the flexibility of the spring connected to the selected load range member.

2,357,273
TEXTILE FINISHING
Jack T. Thurston, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 12, 1942, Serial No. 434,349
16 Claims. (Cl. 260—29)

1. A textile finishing composition comprising a dispersion of an alkylated methylol melamine having alkyl groups of not more than four carbon atoms and a compound having an alkyl radical of at least seven carbon atoms and containing a nitrogen atom having attached thereto a carbonyl radical and a reactive substituent selected from the group consisting of H and alkylol radicals.

2,357,274
BATTERY BOX OR CONTAINER
Raleigh E. Tresise, Cleveland Heights, and Paul D. Kendall, Maple Heights, Ohio, assignors to Paraphone Hearing Aid, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 16, 1941, Serial No. 407,182
5 Claims. (Cl. 136—173)



1. A metallic battery box container comprising a rear section and a front or cover section, the rear section having a back wall and top and bottom walls, a contact insulated from and supported adjacent to the top wall, a socket spaced laterally from said contact and comprising a block of insulating material extending downwardly from below the top wall and provided with a contact at its lower end having a hollow stem extending upwardly into said block for the reception of a prong of a plug, a pair of laterally spaced contacts vertically opposed to the former contacts and grounded to the rear section, each vertically opposed pair of contacts adapted to receive a dry battery therebetween with the opposite poles of the battery in engagement with the vertically opposed contacts of such pair, the said socket also having an additional hollow contact stem for the reception of an additional prong of said plug, and means for electrically connecting the first mentioned contact with the second mentioned hollow stem.

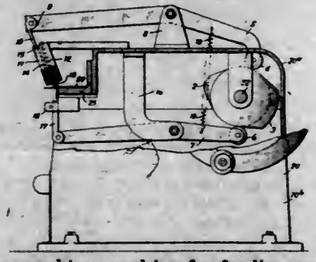
2,357,275
CORROSION INHIBITION COATING COMPOSITION
Aaron Wachter, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 22, 1941, Serial No. 403,533
5 Claims. (Cl. 44—72)

1. A water-soluble corrosion inhibiting coating composition suitable for protecting metal surfaces in contact with hydrocarbons containing small amounts of water against corrosion comprising from 40% to 85% by weight of dextrin, at least .02% by weight sodium nitrite and the balance a water-soluble polyhydric alcohol.

2,357,276
CORROSION INHIBITING COATING COMPOSITION
Aaron Wachter, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 29, 1942, Serial No. 449,019
4 Claims. (Cl. 44—72)

1. A water-soluble corrosion-inhibiting coating composition suitable for protecting ferrous metal surfaces in contact with hydrocarbons containing small amounts of water against corrosion consisting essentially of at least approximately 0.02% by weight, based on the total composition, of sodium nitrite and the remainder of said composition being a plasticized mucilaginous base comprising approximately one part by weight of a water-soluble substantially hydrocarbon insoluble plasticizer and from approximately ½ to approximately 6 parts by weight of "modified starch," said plasticizer being selected from the group consisting of polyhydric alcohols and the esters and ethers thereof.

2,357,277
MARKING MACHINE
Joseph Weimont, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y., a corporation of New York
Application March 21, 1940, Serial No. 325,134
5 Claims. (Cl. 153—25)

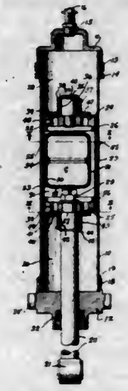


1. In a marking machine for feeding and printing a strip of pin tickets having pins secured to the tickets near one edge of the strip and projecting outwardly beyond said edge substantially parallel to the plane of the ticket, in combination, means to clamp and hold the pin bearing edge of a ticket against bending, and means moving through the plane of the ticket and engaging said pins outside the area of the ticket at a point removed from the ends of said pins to bend said pins at a point inside the area of the ticket from a position substantially parallel to the plane of the ticket to a position substantially perpendicular to the plane of the ticket.

2,357,278
HYDRAULIC DAMPER
Bernard E. O'Connor, Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 21, 1942, Serial No. 459,100
2 Claims. (Cl. 188—96)

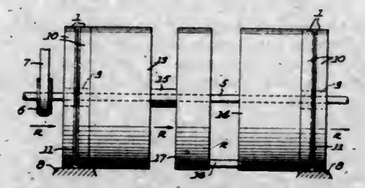
1. A hydraulic damper of the type described comprising a cylinder, a piston movable in said

cylinder and having a rod extending therefrom to the exterior of the cylinder, means controlling the resistance to the flow of displaced fluid in the cylinder from one side of the piston to the other during reciprocation of the piston in the cylinder, said piston having a compensating chamber therein for flow of displaced hydraulic fluid therethrough, a compensating element within said piston chamber of flexible and elastic material, said cylinder being closed and primarily



filled with hydraulic fluid under sufficient pressure for contraction and reduction in volume of said compensating element to an amount greater than the reduction in volume of the fluid under maximum anticipated temperature differential, said compensating element upon movement of the piston rod into the cylinder being further contracted and expanding during outward movement of the piston rod whereby to keep the cylinder fully filled with hydraulic fluid.

2,357,279
BLOWER
Max Rendelstein, Brussels, Belgium; vested in the Alien Property Custodian
Application October 25, 1939, Serial No. 301,295
In Belgium October 24, 1938
1 Claim. (Cl. 230—113)



A blower or the like comprising a first air chamber, a first circular air compressing member positioned across a conforming air intake opening formed in a side of said first air chamber, a ventilator at the opposite end of said first chamber, said ventilator having a substantially axial intake conduit leading from said first chamber and an eccentric discharge conduit, a second air chamber at the opposite side of said ventilator from said first air chamber and with which said discharge conduit is connected, a second circular air compressing member positioned across a conforming air outlet opening formed in the outer side of said second air chamber, each of said air compressing members consisting of a pair of substantially similar slightly axially spaced elements each consisting of a circular rim having uniformly circumferentially spaced radial spokes which have relatively great width in the axial direction and a hub in which the radially inward ends of the spokes terminate, the spaces between adjacent spokes and the rim defining segmental air confining pockets, and a rotary disc substantially occupying the space between the said elements and coaxial therewith, said disc being formed with uniformly circumferentially spaced segmental openings defining imperforate segmental shutters therebetween, the segmental openings being slightly narrower than and the segmental shutters being slightly wider than the segmental spaces between the spokes of said elements in a circumferential direction, a common shaft journalled in the hubs of the elements of said first and second members, and extending through the said first and second air chambers and on which the rotary disks are fixed, and means for driving said common shaft.

2,357,280
WINDSHIELD WIPER ARM
Theodore J. Smulski, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Original application March 10, 1941, Serial No. 382,503. Divided and this application December 24, 1942, Serial No. 470,035
9 Claims. (Cl. 287—53)



3. The combination comprising a windshield wiper arm having means for attaching said arm to a shaft member of a windshield wiper mechanism, said means comprising a thrust surface for a wedge member, a wedge member positioned between said thrust surface and said shaft member, and screw means mounted on said windshield wiper arm for adjustably positioning said wedge member between said thrust surface and said shaft member.

2,357,281
SHOE HEEL
Villor P. Williams, Chicago, Ill.
Application December 2, 1943, Serial No. 512,589
11 Claims. (Cl. 36—38)



1. In a heel for shoes, the combination with a heel of a spring metal plate provided in part with outwardly projecting flange, the front end of said spring plate securely fastened to the adjacent member, and one or more spring fingers projecting inwardly beneath the surface of the same and depending therefrom.

DESIGNS

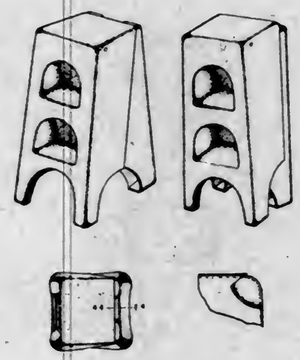
AUGUST 29, 1944

138,619
DESIGN FOR A SUPPORT FOR TOILET ACCESSORIES OR THE LIKE
Wilbur Henry Adams, Millcreek Township, Erie County, Pa.
Application March 13, 1944, Serial No. 112,878
Term of patent 14 years
(Cl. D33—16)



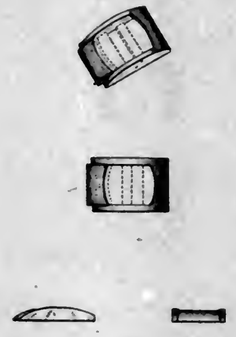
The ornamental design for a support for toilet accessories or the like, as shown and described.

138,620
DESIGN FOR A COMBINATION KITCHEN STOOL AND STEPLADDER
Charles E. Morley, Detroit, Mich.
Application February 12, 1944, Serial No. 112,570
Term of patent 14 years
(Cl. D15—8)



The ornamental design for a combination kitchen stool and stepladder, as shown and described.

138,621
DESIGN FOR A BUCKLE
Paul W. White, Fort Lauderdale, Fla.
Application June 14, 1944, Serial No. 114,009
Term of patent 7 years
(Cl. D17—1)



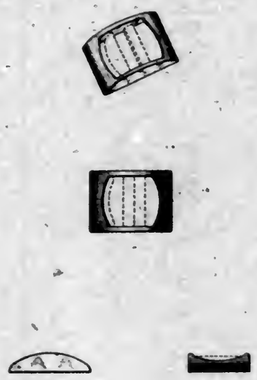
The ornamental design for a buckle, substantially as shown and described.

138,622
DESIGN FOR A BUCKLE
Paul W. White, Fort Lauderdale, Fla.
Application June 14, 1944, Serial No. 114,010
Term of patent 7 years
(Cl. D17—1)



The ornamental design for a buckle, substantially as shown and described.

138,623
DESIGN FOR A BUCKLE
Paul W. White, Fort Lauderdale, Fla.
Application June 14, 1944, Serial No. 114,011
Term of patent 7 years
(Cl. D17—1)



The ornamental design for a buckle, substantially as shown and described.

138,624
DESIGN FOR A BUCKLE
Paul W. White, Fort Lauderdale, Fla.
Application June 14, 1944, Serial No. 114,012
Term of patent 7 years
(Cl. D17—1)



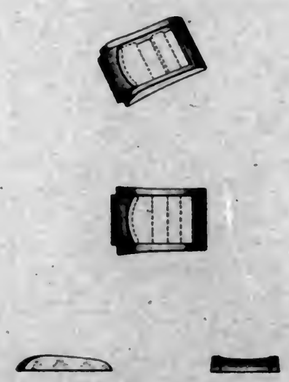
The ornamental design for a buckle, substantially as shown and described.

138,625
DESIGN FOR A BUCKLE
Paul W. White, Fort Lauderdale, Fla.
Application June 14, 1944, Serial No. 114,013
Term of patent 7 years
(Cl. D17—1)



The ornamental design for a buckle, substantially as shown and described.

138,626
DESIGN FOR A BUCKLE
Paul W. White, Fort Lauderdale, Fla.
Application June 14, 1944, Serial No. 114,014
Term of patent 7 years
(Cl. D17—1)



The ornamental design for a buckle, substantially as shown and described.

138,627
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,671
Term of patent 7 years
(Cl. D36—8)



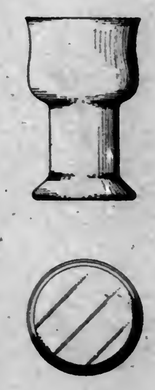
The ornamental design for a drinking glass or the like, as shown.

138,628
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,672
Term of patent 7 years
(Cl. D36—8)



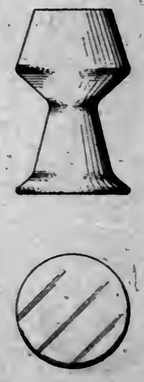
The ornamental design for a drinking glass or the like, as shown.

138,629
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,673
Term of patent 7 years
(Cl. D36—8)



The ornamental design for a drinking glass or the like, as shown.

138,630
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,674
Term of patent 7 years
(Cl. D36—8)



The ornamental design for a drinking glass or the like, as shown.

138,631
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,675
Term of patent 7 years
(Cl. D36—8)



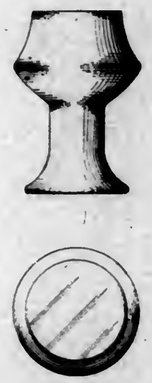
The ornamental design for a drinking glass or the like, as shown.

138,632
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,676
Term of patent 7 years
(Cl. D36—8)



The ornamental design for a drinking glass or the like, as shown.

138,633
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,677
Term of patent 7 years
(Cl. D36—8)



The ornamental design for a drinking glass or the like, as shown.

138,634
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,678
Term of patent 7 years
(Cl. D36—8)



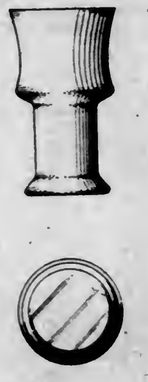
The ornamental design for a drinking glass or the like, as shown.

138,635
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,679
Term of patent 7 years
(Cl. D36—8)



The ornamental design for a drinking glass or the like, as shown.

138,636
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,680
Term of patent 7 years
(Cl. D36—8)



The ornamental design for a drinking glass or the like, as shown.

138,637
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,681
Term of patent 7 years
(Cl. D36—8)



The ornamental design for a drinking glass or the like, as shown.

138,638
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,682
Term of patent 7 years
(Cl. D36—8)



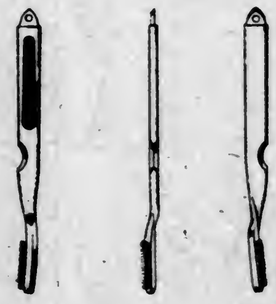
The ornamental design for a drinking glass or the like, as shown.

138,639
DESIGN FOR A DRINKING GLASS OR THE LIKE
Alfred J. F. Erbe, Weston, W. Va.
Application May 18, 1944, Serial No. 113,683
Term of patent 7 years
(Cl. D36—8)



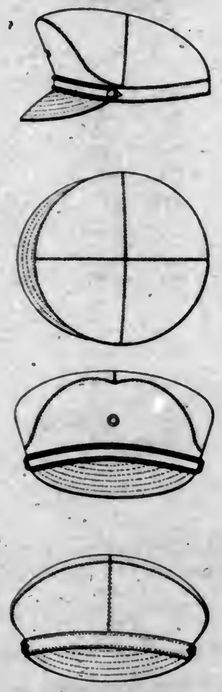
The ornamental design for a drinking glass or the like, as shown.

138,640
DESIGN FOR A MANICURING DEVICE OR SIMILAR ARTICLE
Abraham Moses Baker, Providence, R. I.
Application June 15, 1944, Serial No. 114,015
Term of patent 14 years
(Cl. D86—10)



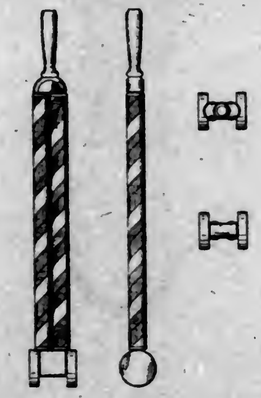
The ornamental design for a manicuring device or similar article, as shown.

138,641
DESIGN FOR A CAP
Samuel H. Baker, Brockton, Mass.
Application April 6, 1944, Serial No. 113,158
Term of patent 14 years
(Cl. D3—13)



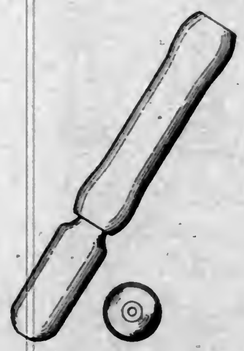
The ornamental design for a cap, as shown.

138,642
DESIGN FOR A PUSH TOY
George Bauerle, Chicago, Ill.
Application June 8, 1944, Serial No. 113,904
Term of patent 7 years
(Cl. D34—15)



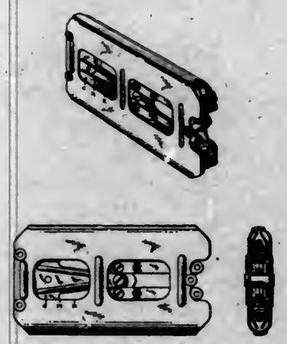
The ornamental design for a push toy, as shown.

138,643
DESIGN FOR A WELDING ELECTRODE HOLDER
Robert H. Buck, Oakland, Calif.
Application June 7, 1944, Serial No. 113,886
Term of patent 14 years
(Cl. D26—1)



The ornamental design for a welding electrode holder, substantially as shown.

138,644
DESIGN FOR A CABLE TENSION REGULATOR
John W. Cade, La Canada, Calif., assignor to Sturgess, Inc., Glendale, Calif., a corporation of California
Application May 23, 1944, Serial No. 113,718
Term of patent 14 years
(Cl. D52—1)



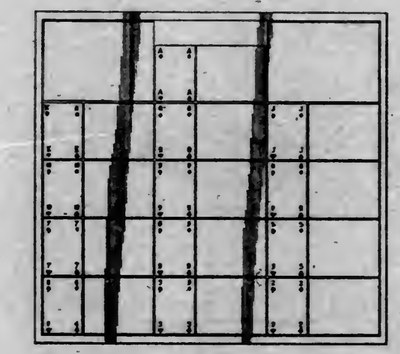
The ornamental design for a cable tension regulator, substantially as shown and described.

138,645
DESIGN FOR A PEN AND PENCIL GUARD
Federico Calderon, Jr., N. Laredo, Tamps., Mexico
Application December 30, 1943, Serial No. 112,129
Term of patent 7 years
(Cl. D74—2)



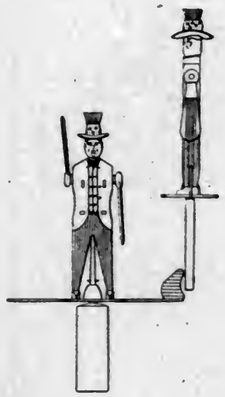
The ornamental design for a pen and pencil guard, as shown.

138,646
DESIGN FOR A GAME BOARD OR SIMILAR ARTICLE
John Dorfman, New York, N. Y.
Application June 27, 1942, Serial No. 107,357
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game board or similar article, substantially as shown and described.

138,647
DESIGN FOR A COMBINED WEATHER VANE AND FIGURE
Frank J. Dubke, Detroit, Mich.
Application January 6, 1944, Serial No. 112,186
Term of patent 7 years
(Cl. D52—1)



The ornamental design for a combined weather vane and figure, as shown.

138,648
DESIGN FOR AN END PLATE FOR BICYCLE PEDALS
Harry Golden, New York, N. Y.
Application June 8, 1944, Serial No. 113,918
Term of patent 14 years
(Cl. D90—14)



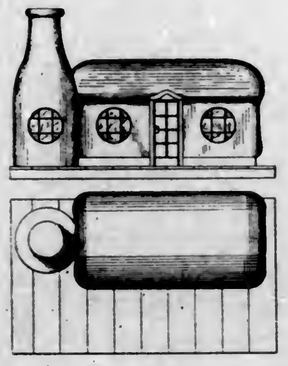
The ornamental design for an end plate for bicycle pedals, as shown.

138,649
DESIGN FOR A HANDBAG OR SIMILAR ARTICLE
Joseph Halpern, New York, N. Y.
Application July 13, 1944, Serial No. 114,382
Term of patent 3½ years
(Cl. D87—3)



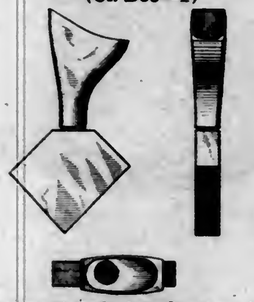
The ornamental design for a handbag or similar article, substantially as shown.

138,650
DESIGN FOR A BUILDING
Roy C. Keeth, McPherson, Kans.
Application April 3, 1944, Serial No. 113,128
Term of patent 14 years
(Cl. D12—1)



The ornamental design for a building, as shown and described.

138,651
DESIGN FOR A URINE SPECIMEN APPARATUS
Dean H. Korotev and Jane M. Korotev, Waukesha, Wis.
Application November 11, 1943, Serial No. 111,656
Term of patent 7 years
(Cl. D82—1)



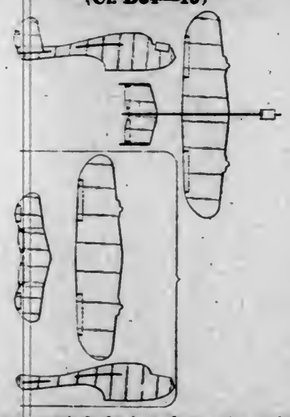
The ornamental design for a urine specimen apparatus, as shown.

138,652
DESIGN FOR A BROOCH PIN
Alfred Philippe, Providence, R. I.
Application July 20, 1944, Serial No. 114,481
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

138,653
DESIGN FOR A TOY AIRPLANE
Dale W. Mason, Lake Villa, Ill., assignor to Leo J. Leibold and himself, copartners doing business as Mabold Mfg. Co., Lake Villa, Ill.
Application April 12, 1944, Serial No. 113,228
Term of patent 3½ years
(Cl. D34—15)



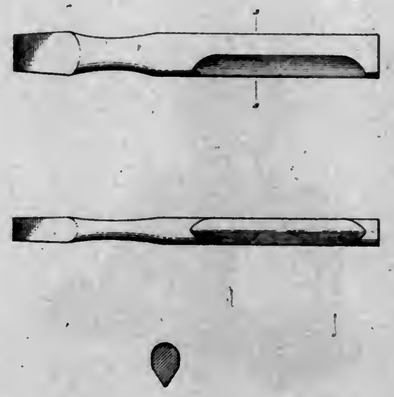
The ornamental design for a toy airplane, as shown.

138,654
DESIGN FOR A BADGE OR SIMILAR ARTICLE
William G. McGregor, Corpus Christi, Tex.
Application June 17, 1944, Serial No. 114,048
Term of patent 3½ years
(Cl. D29—2)



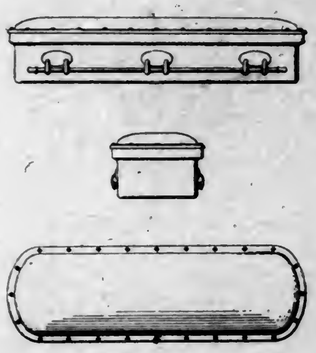
The ornamental design for a badge or similar article, as shown.

138,655
DESIGN FOR A TOOL HANDLE
Henry H. Moeller, Omaha, Nebr.
Application June 19, 1944, Serial No. 114,096
Term of patent 14 years
(Cl. D93—4)



The ornamental design for a tool handle, as shown.

138,656
DESIGN FOR A BURIAL CASKET OR SIMILAR ARTICLE
Harry A. Neff, Bellaire, Ohio, assignor to The Belmont Casket Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application June 3, 1944, Serial No. 113,853
Term of patent 14 years
(Cl. D19—1)



The ornamental design for a burial casket or similar article, as shown.

138,657
DESIGN FOR A FIGURE WHEELED TOY
Ernesto Peruggi, Brooklyn, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application June 6, 1944, Serial No. 113,881
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a figure wheeled toy, as shown and described.

138,658
DESIGN FOR A FIGURE WHEELED TOY
Ernesto Peruggi, Brooklyn, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application June 6, 1944, Serial No. 113,882
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a figure wheeled toy, as shown and described.

138,659
DESIGN FOR A COMPACT
John Rubel, New York, N. Y.
Application June 26, 1944, Serial No. 114,190
Term of patent 7 years
(Cl. D86—10)



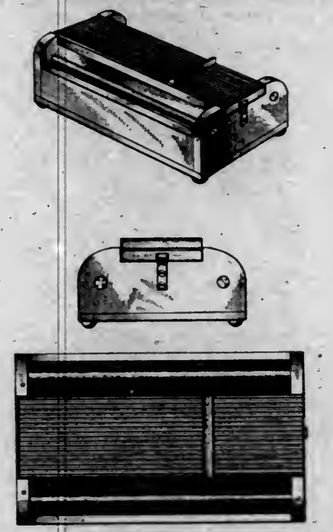
The ornamental design for a compact, substantially as shown.

138,660
DESIGN FOR A FOLDABLE MINIATURE CHRISTMAS CRIB
Rudolph Schulhof, New York, N. Y.
Application April 25, 1944, Serial No. 113,372
Term of patent 3½ years
(Cl. D29—23)



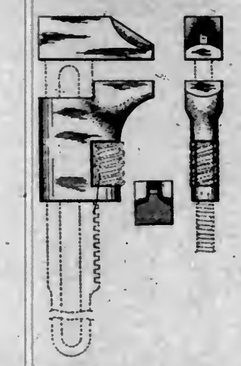
The ornamental design for a foldable miniature Christmas crib, as shown.

138,661
DESIGN FOR A SHOE POLISHING DEVICE
Benjamin Silfen, Chicago, Ill.
Application June 19, 1944, Serial No. 114,098
Term of patent 14 years
(Cl. D7—2)



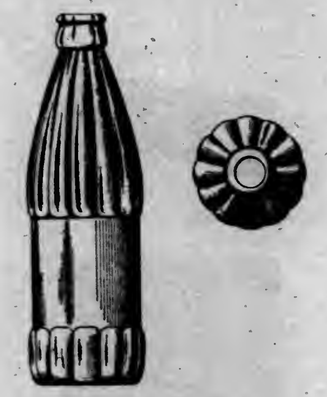
The ornamental design for a shoe polishing device, substantially as shown.

138,662
DESIGN FOR A WRENCH
Otto Swanstrom, Duluth, Minn.
Application February 4, 1944, Serial No. 112,445
Term of patent 14 years
(Cl. D54—16)



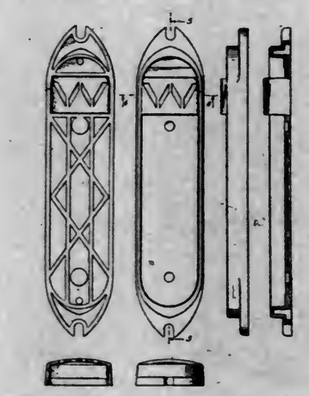
The ornamental design for a wrench, as shown and described.

138,663
DESIGN FOR A BOTTLE
William C. Teuniss, Grand Rapids, Mich.
Application June 14, 1944, Serial No. 114,008
Term of patent 14 years
(Cl. D58—8)



The ornamental design for a bottle, as shown.

138,664
DESIGN FOR A THERMOMETER CASE
Harry Weksler, New York, N. Y., assignor to Weksler Thermometer Corporation, New York, N. Y., a corporation of New York
Application June 13, 1944, Serial No. 113,983
Term of patent 14 years
(Cl. D52—7)



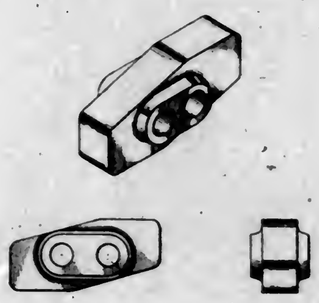
The ornamental design for a thermometer case, as shown.

138,665
DESIGN FOR A BOX FOR PRECISION GAUGE BLOCK SETS
James W. Wilkie, Bloomington, Minn., assignor to Savage Tool Company, Savage, Minn., a corporation of Delaware
Application March 27, 1943, Serial No. 109,832
Term of patent 3½ years
(Cl. D58—13)



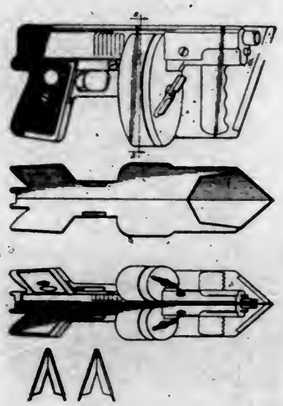
The ornamental design for a box for precision gauge block sets, as shown and described.

138,666
DESIGN FOR A GRID BLOCK FOR A METAL TREATMENT TROUGH
Frank J. Wood, Riverside, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 15, 1944, Serial No. 113,599
Term of patent 7 years
(Cl. D54—1)



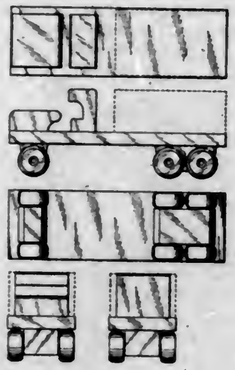
The ornamental design for a grid block for a metal treatment trough, as shown.

138,667
DESIGN FOR A TOY COMMANDO TOMMY GUN
Oliver S. Annable, Brooklyn, N. Y., assignor of one-half to Spotswood Specialty Company, Inc., Lexington, Ky., a corporation of Kentucky
Application March 18, 1943, Serial No. 109,774
Term of patent 7 years
(Cl. D34—15)



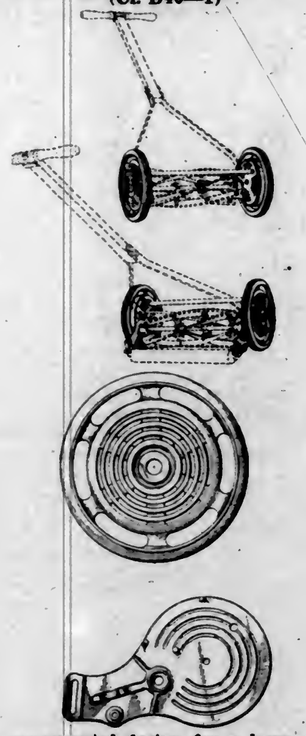
The ornamental design for a toy commando tommy gun, as shown.

138,668
DESIGN FOR A TOY TRUCK
Clifford L. Bates, Des Moines, Iowa
Application May 26, 1944, Serial No. 113,757
Term of patent 3½ years
(Cl. D34—15)



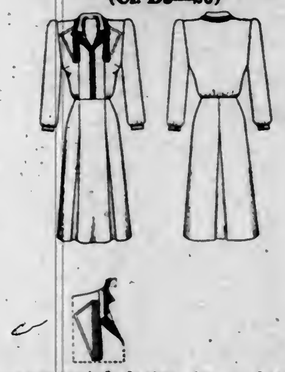
The ornamental design for a toy truck, substantially as shown and described.

138,669
DESIGN FOR A LAWN MOWER
George W. Davis, Richmond, Ind., assignor to G. W. Davis Corporation, Richmond, Ind.
Application June 25, 1943, Serial No. 110,530
Term of patent 7 years
(Cl. D40—1)



The ornamental design for a lawn mower, as shown and described.

138,670
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application August 1, 1944, Serial No. 114,666
Term of patent 3½ years
(Cl. D3—26)



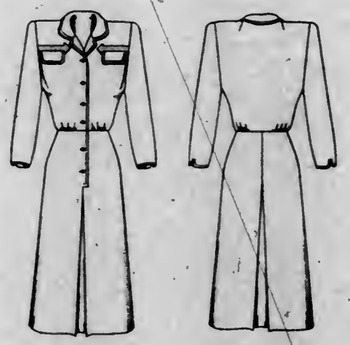
The ornamental design for a dress, substantially as shown.

138,671
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application August 1, 1944, Serial No. 114,667
Term of patent 3½ years
(Cl. D3—26)



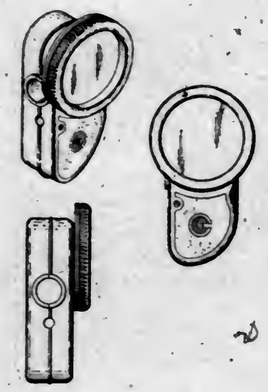
The ornamental design for a dress, substantially as shown.

138,672
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application August 1, 1944, Serial No. 114,668
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,673
DESIGN FOR A CASE FOR MICROMETER CALIPER
William B. Hunter, Wellesley Hills, Mass., assignor to The Comtor Company, Waltham, Mass., a corporation of Massachusetts
Application June 24, 1944, Serial No. 114,189
Term of patent 14 years
(Cl. D52—2)



The ornamental design for a case for micrometer caliper, as shown.

138,674
DESIGN FOR A DRESS
Sam Litt, New York, N. Y.
Application July 29, 1944, Serial No. 114,634
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,675
DESIGN FOR A DRESS
Sam Litt, New York, N. Y.
Application July 29, 1944, Serial No. 114,635
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,676
DESIGN FOR A DRESS
Sam Litt, New York, N. Y.
Application July 29, 1944, Serial No. 114,636
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,677
DESIGN FOR A DRESS
Sam Litt, New York, N. Y.
Application July 29, 1944, Serial No. 114,637
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

138,678
DESIGN FOR A COMBINED MAGNIFYING GLASS AND PAPER WEIGHT
Bernard Labow, New York, N. Y.
Application June 19, 1944, Serial No. 114,092
Term of patent 14 years
(Cl. D57—1)



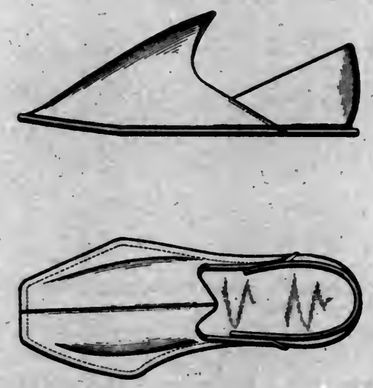
The ornamental design for a combined magnifying glass and paper weight, as shown.

138,679
DESIGN FOR A TELEPHONE DESK STAND
Ernest S. McLarn, Manhasset, and Charles A. Duran, Brooklyn, N. Y., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 11, 1944, Serial No. 113,225
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a telephone desk stand, as shown.

138,680
DESIGN FOR A SLIPPER
Renee B. Montague, New York, N. Y.
Application June 28, 1944, Serial No. 114,227
Term of patent 7 years
(Cl. D7—7)



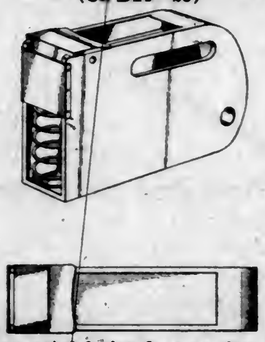
The ornamental design for a slipper, as shown.

138,681
DESIGN FOR A PARKING METER HOUSING OR SIMILAR ARTICLE
Ernest Victor Nelson, Clarendon Hills, Ill., assignor to Miller Meters, Inc., Chicago, Ill., a corporation of Illinois
Application June 12, 1944, Serial No. 113,973
Term of patent 14 years
(Cl. D52—2)



The ornamental design for a parking meter housing or similiar article, substantially as shown.

138,682
DESIGN FOR AN AUTOMOBILE SPRING SHACKLE
Coy Orsett, Boston, Mass.
Application February 4, 1943, Serial No. 109,456
Term of patent 14 years
(Cl. D14—25)



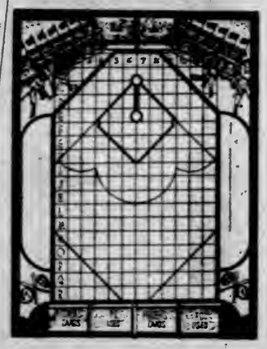
The ornamental design for an automobile spring shackle, as shown.

138,683
DESIGN FOR A BLASTING CAP FASTENER
Fritz Hermann Rolfes, Johannesburg, Transvaal, Union of South Africa
Application May 9, 1944, Serial No. 113,522
In the Union of South Africa March 16, 1944
Term of patent 14 years
(Cl. D30—1)



The ornamental design for a blasting cap fastener, as shown.

138,684
DESIGN FOR A GAME BOARD
Eli Schweid, New York, N. Y.
Application May 24, 1944, Serial No. 113,745
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a game board, substantially as shown.

138,685
DESIGN FOR A DRESS
Ben Sheinbaum, New York, N. Y.
Application July 27, 1944, Serial No. 114,592
Term of patent 3½ years
(Cl. D3—26)



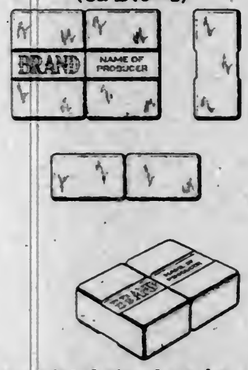
The ornamental design for a dress, substantially as shown.

138,686
DESIGN FOR A BOTTLE
Winfield F. Smith, Vineland, N. J., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application November 5, 1943, Serial No. 111,602
Term of patent 14 years
(Cl. D58—8)



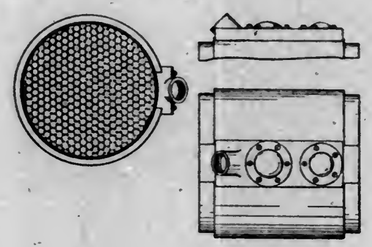
The ornamental design for a bottle, as shown and described.

138,687
DESIGN FOR A BAR OF SOAP
William G. Werner and Charles T. Gerhart, Cincinnati, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application April 25, 1942, Serial No. 106,703
Term of patent 14 years
(Cl. D73—1)



The ornamental design for a bar of soap, substantially as shown and described.

138,688
DESIGN FOR AN AVIATION ENGINE OIL TEMPERATURE REGULATOR HOUSING
Fred M. Young, Racine, Wis.
Application July 26, 1943, Serial No. 110,771
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an aviation engine oil temperature regulator housing, as shown and described.

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